CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : O1232

Project ID : NYCDDC Phase II SCI Arthur Kill Road CEQR

Client : Louis Berger U.S., Inc., A WSP Company

Lab Sample Number	Client Sample Number
O1232-01	B-P-17A
O1232-02	B-P-17B
O1232-03	WC-17
O1232-04	B-P-18A
O1232-05	B-P-18B
O1232-06	B-P-19A
O1232-07	B-P-19B
O1232-08	B-P-35A
O1232-09	B-P-35B
O1232-10	DUP01

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 2/2/2023

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Louis Berger U.S., Inc., A WSP Company
Project Name: NYCDDC Phase II SCI Arthur Kill Road CEQR
Project # N/A
Chemtech Project # O1232
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 01/19/2023.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-PAH, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 15% in the Initial Calibration (Method 8270-BF011923.M) for 2-Nitrophenol ,Benzoic acid, 2-Nitroaniline , 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Butylbenzylphthalate ,Bis(2-ethylhexyl)phthalate, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene this compounds is passing on Linear Regression. Di-n-octyl phthalate is passing on Quadratic regression.

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922
The % RSD is greater than 15% in the Initial Calibration (8270-BP012323.M) for Hexachlorocyclopentadiene, 2-Nitroaniline , 2,6-Dinitrotoluene , 3-Nitroaniline, 4-Nitrophenol, 2,4-Dinitrotoluene, 4-Nitroaniline, Pentachlorophenol these compounds are passing on Linear Regression and 2-Nitrophenol, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol passing on Quadratic regression.

The Continuous Calibration File ID BF132164.D met the requirements except for 2,4-Dinitrotoluene, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BP013562.D met the requirements except for 2,4-Dinitrophenol,2,4-Dinitrotoluene and 4,6-Dinitro-2-methylphenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BP013571.D met the requirements except for 2,4-Dinitrophenol,2,4-Dinitrotoluene,2-Nitrophenol and 4,6-Dinitro-2-methylphenol , The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **O1232**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: **SOHIL JODHANI** **Date:** **02/02/2023**

2nd Level QA Review Signature: _____ **Date:** _____

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O1232	**OrderDate:**	1/19/2023 1:44:00 PM
Client:	Louis Berger U.S., Inc., A WSP Company	**Project:**	NYCDDC Phase II SCI Arthur Kill Road CEQR
Contact:	Jonathan Ganz	**Location:**	N11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O1232-01	**B-P17A**	**SOIL**			**01/18/23**			**01/19/23**
			SVOC-TCL BNA -20	8270E		01/20/23	01/20/23	
O1232-02	**B-P17B**	**SOIL**			**01/18/23**			**01/19/23**
			SVOC-TCL BNA -20	8270E		01/20/23	01/24/23	
O1232-03	**WC-17**	**SOIL**			**01/18/23**			**01/19/23**
			SVOC-PAH	8270E		01/20/23	01/24/23	
			SVOC-TCL BNA -20			01/20/23	01/24/23	
O1232-04	**B-P18A**	**SOIL**			**01/18/23**			**01/19/23**
			SVOC-TCL BNA -20	8270E		01/20/23	01/24/23	
O1232-05	**B-P18B**	**SOIL**			**01/18/23**			**01/19/23**
			SVOC-TCL BNA -20	8270E		01/20/23	01/20/23	
O1232-06	**B-P19A**	**SOIL**			**01/18/23**			**01/19/23**
			SVOC-TCL BNA -20	8270E		01/20/23	01/20/23	
O1232-07	**B-P19B**	**SOIL**			**01/18/23**			**01/19/23**
			SVOC-TCL BNA -20	8270E		01/20/23	01/24/23	
O1232-08	**B-P35A**	**SOIL**			**01/18/23**			**01/19/23**
			SVOC-TCL BNA -20	8270E		01/20/23	01/20/23	
O1232-09	**B-P35B**	**SOIL**			**01/18/23**			**01/19/23**
			SVOC-TCL BNA -20	8270E		01/20/23	01/24/23	
O1232-10	**DUP01**	**SOIL**			**01/18/23**			**01/19/23**
			SVOC-TCL BNA -20	8270E		01/20/23	01/20/23	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: O1232

Client: Louis Berger U.S., Inc., A WSP Company

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**B-P17A**								
O1232-01	B-P17A	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	1,200.000	AB	0	0	ug/Kg
O1232-01	B-P17A	SOIL	Carbonic acid, hexadecyl prop-1-e	*	140.000	J	0	0	ug/Kg
O1232-01	B-P17A	SOIL	n-Hexadecanoic acid	*	120.000	J	0	0	ug/Kg
			Total Tics :		**1,460.00**				
			Total Concentration:		**1,460.00**				
Client ID :	**B-P17B**								
O1232-02	B-P17B	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	1,000.000	AB	0	0	ug/Kg
O1232-02	B-P17B	SOIL	5-Eicosene, (E)-	*	130.000	J	0	0	ug/Kg
O1232-02	B-P17B	SOIL	Butane, 2-methoxy-2-methyl-	*	920.000	J	0	0	ug/Kg
O1232-02	B-P17B	SOIL	n-Hexadecanoic acid	*	160.000	J	0	0	ug/Kg
			Total Tics :		**2,210.00**				
			Total Concentration:		**2,210.00**				
Client ID :	**B-P18A**								
O1232-04	B-P18A	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	920.000	AB	0	0	ug/Kg
O1232-04	B-P18A	SOIL	Benzene, 1,3-dimethyl-	*	130.000	J	0	0	ug/Kg
O1232-04	B-P18A	SOIL	Butane, 2-methoxy-2-methyl-	*	790.000	J	0	0	ug/Kg
O1232-04	B-P18A	SOIL	Heptadecyl heptafluorobutyrate	*	200.000	J	0	0	ug/Kg
O1232-04	B-P18A	SOIL	n-Hexadecanoic acid	*	86.200	J	0	0	ug/Kg
			Total Tics :		**2,126.20**				
			Total Concentration:		**2,126.20**				
Client ID :	**B-P18B**								
O1232-05	B-P18B	SOIL	Fluoranthene		95.300	J	87.1	190	ug/Kg
O1232-05	B-P18B	SOIL	Pyrene		110.000	J	81	190	ug/Kg
O1232-05	B-P18B	SOIL	Benzo(b)fluoranthene		100.000	J	75.3	190	ug/Kg
O1232-05	B-P18B	SOIL	Benzo(a)pyrene		74.200	J	73.9	190	ug/Kg
			Total Svoc :		**379.50**				
O1232-05	B-P18B	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	660.000	AB	0	0	ug/Kg
O1232-05	B-P18B	SOIL	n-Hexadecanoic acid	*	180.000	J	0	0	ug/Kg
O1232-05	B-P18B	SOIL	Pentafluoropropionic acid, pentad	*	130.000	J	0	0	ug/Kg
O1232-05	B-P18B	SOIL	Butyl citrate	*	150.000	J	0	0	ug/Kg
			Total Tics :		**1,120.00**				
			Total Concentration:		**1,499.50**				
Client ID :	**B-P19A**								
O1232-06	B-P19A	SOIL	Phenanthrene		1,000.000		94.7	190	ug/Kg
O1232-06	B-P19A	SOIL	Anthracene		210.000		95.2	190	ug/Kg
O1232-06	B-P19A	SOIL	Fluoranthene		790.000		90.4	190	ug/Kg
O1232-06	B-P19A	SOIL	Pyrene		1,200.000		84.1	190	ug/Kg
O1232-06	B-P19A	SOIL	Benzo(a)anthracene		520.000		98.3	190	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: O1232

Client: Louis Berger U.S., Inc., A WSP Company

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
O1232-06	B-P19A	SOIL	Chrysene		570.000		96.9	190	ug/Kg
O1232-06	B-P19A	SOIL	Benzo(b)fluoranthene		390.000		78.2	190	ug/Kg
O1232-06	B-P19A	SOIL	Benzo(k)fluoranthene		130.000	J	83.4	190	ug/Kg
O1232-06	B-P19A	SOIL	Benzo(a)pyrene		400.000		76.7	190	ug/Kg
O1232-06	B-P19A	SOIL	Indeno(1,2,3-cd)pyrene		190.000		110	190	ug/Kg
O1232-06	B-P19A	SOIL	Benzo(g,h,i)perylene		250.000		110	190	ug/Kg
			Total Svoc :		**5,650.00**				
			Total Concentration:		**5,650.00**				
Client ID :	**B-P19B**								
O1232-07	B-P19B	SOIL	Phenanthrene		1,000.000		94.8	190	ug/Kg
O1232-07	B-P19B	SOIL	Anthracene		180.000	J	95.3	190	ug/Kg
O1232-07	B-P19B	SOIL	Fluoranthene		1,000.000		90.5	190	ug/Kg
O1232-07	B-P19B	SOIL	Pyrene		1,000.000		84.2	190	ug/Kg
O1232-07	B-P19B	SOIL	Benzo(a)anthracene		500.000		98.5	190	ug/Kg
O1232-07	B-P19B	SOIL	Chrysene		480.000		97	190	ug/Kg
O1232-07	B-P19B	SOIL	Benzo(b)fluoranthene		480.000		78.3	190	ug/Kg
O1232-07	B-P19B	SOIL	Benzo(k)fluoranthene		160.000	J	83.5	190	ug/Kg
O1232-07	B-P19B	SOIL	Benzo(a)pyrene		360.000		76.8	190	ug/Kg
O1232-07	B-P19B	SOIL	Indeno(1,2,3-cd)pyrene		190.000		110	190	ug/Kg
O1232-07	B-P19B	SOIL	Benzo(g,h,i)perylene		230.000		110	190	ug/Kg
			Total Svoc :		**5,580.00**				
O1232-07	B-P19B	SOIL	11H-Benzo[a]fluoren-11-one	*	96.100	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	660.000	AB	0	0	ug/Kg
O1232-07	B-P19B	SOIL	3,4-Dimethylphenanthrene	*	100.000	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	3-Octadecene, (E)-	*	160.000	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	7H-Benz[de]anthracen-7-one	*	93.000	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	9,10-Anthracenedione	*	110.000	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	9,10-Dimethylanthracene	*	280.000	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	Anthracene, 1-methyl-	*	100.000	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	Anthracene, 2-methyl-	*	310.000	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	Benzo[e]pyrene	*	310.000	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	Benzophenone	*	180.000	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	Cyclopenta(def)phenanthrenone	*	180.000	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	Naphthalene, 2-phenyl-	*	160.000	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	Phenanthrene, 2-methyl-	*	370.000	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	Phenanthrene, 4-methyl-	*	150.000	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	Pyrene, 1-methyl-	*	130.000	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	Pyrene, 2-methyl-	*	87.400	J	0	0	ug/Kg
O1232-07	B-P19B	SOIL	unknown18.706	*	380.000	J	0	0	ug/Kg
			Total Tics :		**3,856.50**				
			Total Concentration:		**9,436.50**				

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: O1232

Client: Louis Berger U.S., Inc., A WSP Company

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : B-P35A									
O1232-08	B-P35A	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	1,300.000	AB	0	0	ug/Kg
O1232-08	B-P35A	SOIL	Benzophenone	*	100.000	J	0	0	ug/Kg
O1232-08	B-P35A	SOIL	n-Hexadecanoic acid	*	120.000	J	0	0	ug/Kg
O1232-08	B-P35A	SOIL	Pentadecafluorooctanoic acid, oct	*	160.000	J	0	0	ug/Kg
			Total Tics :		**1,680.00**				
			Total Concentration:		**1,680.00**				
Client ID : B-P35B									
O1232-09	B-P35B	SOIL	Chrysene		98.900	J	91.5	180	ug/Kg
O1232-09	B-P35B	SOIL	Bis(2-ethylhexyl)phthalate		110.000	J	94.8	180	ug/Kg
			Total Svoc :		**208.90**				
O1232-09	B-P35B	SOIL	1-Tetracosene	*	190.000	J	0	0	ug/Kg
O1232-09	B-P35B	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	1,100.000	AB	0	0	ug/Kg
O1232-09	B-P35B	SOIL	Benzophenone	*	99.900	J	0	0	ug/Kg
O1232-09	B-P35B	SOIL	n-Hexadecanoic acid	*	94.200	J	0	0	ug/Kg
O1232-09	B-P35B	SOIL	Butane, 2-methoxy-2-methyl-	*	830.000	J	0	0	ug/Kg
			Total Tics :		**2,314.10**				
			Total Concentration:		**2,523.00**				
Client ID : DUP01									
O1232-10	DUP01	SOIL	Benzophenone	*	99.200	J	0	0	ug/Kg
O1232-10	DUP01	SOIL	Butyl citrate	*	210.000	J	0	0	ug/Kg
O1232-10	DUP01	SOIL	n-Hexadecanoic acid	*	160.000	J	0	0	ug/Kg
O1232-10	DUP01	SOIL	11-Methyldodecanol	*	130.000	J	0	0	ug/Kg
O1232-10	DUP01	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	580.000	AB	0	0	ug/Kg
			Total Tics :		**1,179.20**				
			Total Concentration:		**1,179.20**				

CHEMTECH

QC SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Surrogate Summary

SW-846

SDG No.: O1232

Client: Louis Berger U.S., Inc., A WSP Company

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
O1232-01	B-P17A	2-Fluorophenol	150	91.9	61		18	112
		Phenol-d6	150	95.1	63		21	104
		Nitrobenzene-d5	100	65.3	65		27	109
		2-Fluorobiphenyl	100	56.1	56		30	103
		2,4,6-Tribromophenol	150	95.4	64		10	121
		Terphenyl-d14	100	59.5	59		21	107
O1232-02	B-P17B	2-Fluorophenol	150	95.6	64		18	112
		Phenol-d6	150	89.3	60		21	104
		Nitrobenzene-d5	100	66.4	66		27	109
		2-Fluorobiphenyl	100	60.1	60		30	103
		2,4,6-Tribromophenol	150	104	69		10	121
		Terphenyl-d14	100	55.5	55		21	107
O1232-04	B-P18A	2-Fluorophenol	150	93.1	62		18	112
		Phenol-d6	150	88.9	59		21	104
		Nitrobenzene-d5	100	62.4	62		27	109
		2-Fluorobiphenyl	100	53.4	53		30	103
		2,4,6-Tribromophenol	150	114	76		10	121
		Terphenyl-d14	100	66.3	66		21	107
O1232-05	B-P18B	2-Fluorophenol	150	159	106		18	112
		Phenol-d6	150	142	95		21	104
		Nitrobenzene-d5	100	85.4	85		27	109
		2-Fluorobiphenyl	100	98.8	99		30	103
		2,4,6-Tribromophenol	150	151	101		10	121
		Terphenyl-d14	100	100	100		21	107
O1232-06	B-P19A	2-Fluorophenol	150	115	77		18	112
		Phenol-d6	150	105	70		21	104
		Nitrobenzene-d5	100	63.9	64		27	109
		2-Fluorobiphenyl	100	69.1	69		30	103
		2,4,6-Tribromophenol	150	113	75		10	121
		Terphenyl-d14	100	70.2	70		21	107
O1232-07	B-P19B	2-Fluorophenol	150	120	80		18	112
		Phenol-d6	150	110	73		21	104
		Nitrobenzene-d5	100	63.3	63		27	109
		2-Fluorobiphenyl	100	67.7	68		30	103
		2,4,6-Tribromophenol	150	110	74		10	121
		Terphenyl-d14	100	65.3	65		21	107
O1232-08	B-P35A	2-Fluorophenol	150	101	68		18	112
		Phenol-d6	150	105	70		21	104
		Nitrobenzene-d5	100	71.8	72		27	109
		2-Fluorobiphenyl	100	60.6	61		30	103
		2,4,6-Tribromophenol	150	107	71		10	121
		Terphenyl-d14	100	64.3	64		21	107
O1232-09	B-P35B	2-Fluorophenol	150	118	79		18	112
		Phenol-d6	150	112	75		21	104
		Nitrobenzene-d5	100	79.8	80		27	109
		2-Fluorobiphenyl	100	68.9	69		30	103
		2,4,6-Tribromophenol	150	135	90		10	121
		Terphenyl-d14	100	75.4	75		21	107
O1232-10	DUP01	2-Fluorophenol	150	111	74		18	112
		Phenol-d6	150	99.1	66		21	104
		Nitrobenzene-d5	100	61.4	61		27	109
		2-Fluorobiphenyl	100	73.7	74		30	103

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Surrogate Summary

SW-846

SDG No.: O1232

Client: Louis Berger U.S., Inc., A WSP Company

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
O1232-10	DUP01	2,4,6-Tribromophenol	150	107	71		10	121
		Terphenyl-d14	100	70.9	71		21	107
O1233-02MS	B-P34AMS	2-Fluorophenol	150	111	74		18	112
		Phenol-d6	150	118	79		21	104
		Nitrobenzene-d5	100	81.4	81		27	109
		2-Fluorobiphenyl	100	65.7	66		30	103
		2,4,6-Tribromophenol	150	131	88		10	121
		Terphenyl-d14	100	73.6	74		21	107
O1233-02MSD	B-P34AMSD	2-Fluorophenol	150	111	74		18	112
		Phenol-d6	150	117	78		21	104
		Nitrobenzene-d5	100	82.3	82		27	109
		2-Fluorobiphenyl	100	66.1	66		30	103
		2,4,6-Tribromophenol	150	131	87		10	121
		Terphenyl-d14	100	74.4	74		21	107
PB150378BL	PB150378BL	2-Fluorophenol	150	128	85		18	112
		Phenol-d6	150	125	83		21	104
		Nitrobenzene-d5	100	78.9	79		27	109
		2-Fluorobiphenyl	100	67.6	68		30	103
		2,4,6-Tribromophenol	150	131	88		10	121
		Terphenyl-d14	100	70.3	70		21	107
PB150378BS	PB150378BS	2-Fluorophenol	150	146	97		18	112
		Phenol-d6	150	144	96		21	104
		Nitrobenzene-d5	100	90.3	90		27	109
		2-Fluorobiphenyl	100	85.2	85		30	103
		2,4,6-Tribromophenol	150	141	94		10	121
		Terphenyl-d14	100	103	103		21	107

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O1232

Client: Louis Berger U.S., Inc., A WSP Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: O1233-02MS		**Client Sample ID: B-P34AMS**						**DataFile: BF132171.D**			
Benzaldehyde	2000	0	1200	ug/Kg	60				26	163	
Phenol	2000	0	1700	ug/Kg	85				67	126	
bis(2-Chloroethyl)ether	2000	0	1700	ug/Kg	85				74	116	
2-Chlorophenol	2000	0	1800	ug/Kg	90				61	138	
2-Methylphenol	2000	0	1700	ug/Kg	85				66	122	
2,2-oxybis(1-Chloropropane)	2000	0	1700	ug/Kg	85				52	115	
Acetophenone	2000	0	1600	ug/Kg	80				75	111	
3+4-Methylphenols	2000	0	1700	ug/Kg	85				53	132	
N-Nitroso-di-n-propylamine	2000	0	1700	ug/Kg	85				59	119	
Hexachloroethane	2000	0	1800	ug/Kg	90				65	117	
Nitrobenzene	2000	0	1700	ug/Kg	85				70	119	
Isophorone	2000	0	1700	ug/Kg	85				76	122	
2-Nitrophenol	2000	0	2000	ug/Kg	100				54	145	
2,4-Dimethylphenol	2000	0	1700	ug/Kg	85				83	144	
bis(2-Chloroethoxy)methane	2000	0	1600	ug/Kg	80				68	112	
2,4-Dichlorophenol	2000	0	1700	ug/Kg	85				72	118	
Naphthalene	2000	0	1600	ug/Kg	80				72	110	
4-Chloroaniline	2000	0	590	ug/Kg	29				10	100	
Hexachlorobutadiene	2000	0	1600	ug/Kg	80				66	114	
Caprolactam	2000	0	2000	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	2000	0	1800	ug/Kg	90				57	132	
2-Methylnaphthalene	2000	0	1500	ug/Kg	75				59	123	
Hexachlorocyclopentadiene	3900	0	3600	ug/Kg	92				10	175	
2,4,6-Trichlorophenol	2000	0	1700	ug/Kg	85				72	117	
2,4,5-Trichlorophenol	2000	0	1600	ug/Kg	80				72	117	
1,1-Biphenyl	2000	0	1600	ug/Kg	80				75	113	
2-Chloronaphthalene	2000	0	1600	ug/Kg	80				67	118	
2-Nitroaniline	2000	0	1800	ug/Kg	90				69	127	
Dimethylphthalate	2000	0	1600	ug/Kg	80				70	113	
Acenaphthylene	2000	0	1600	ug/Kg	80				79	118	
2,6-Dinitrotoluene	2000	0	2000	ug/Kg	100				70	125	
3-Nitroaniline	2000	0	1300	ug/Kg	65				20	111	
Acenaphthene	2000	0	1800	ug/Kg	90				70	121	
2,4-Dinitrophenol	3900	0	4200	ug/Kg	108				16	160	
4-Nitrophenol	3900	0	3900	ug/Kg	100				45	133	
Dibenzofuran	2000	0	1500	ug/Kg	75				72	110	
2,4-Dinitrotoluene	2000	0	2100	ug/Kg	105				55	128	
Diethylphthalate	2000	0	1700	ug/Kg	85				70	112	
4-Chlorophenyl-phenylether	2000	0	1600	ug/Kg	80				71	108	
Fluorene	2000	0	1600	ug/Kg	80				68	116	
4-Nitroaniline	2000	0	1900	ug/Kg	95				55	120	
4,6-Dinitro-2-methylphenol	2000	0	1900	ug/Kg	95				32	145	
N-Nitrosodiphenylamine	2000	0	1500	ug/Kg	75				73	118	
4-Bromophenyl-phenylether	2000	0	1500	ug/Kg	75				65	121	
Hexachlorobenzene	2000	0	1700	ug/Kg	85				67	118	
Atrazine	2000	0	1800	ug/Kg	90				79	127	
Pentachlorophenol	3900	0	3100	ug/Kg	79				47	128	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O1232

Client: Louis Berger U.S., Inc., A WSP Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Phenanthrene	2000	0	1500	ug/Kg	75				72	113	
Anthracene	2000	0	1500	ug/Kg	75				62	124	
Carbazole	2000	0	1700	ug/Kg	85				59	119	
Di-n-butylphthalate	2000	0	1800	ug/Kg	90				69	118	
Fluoranthene	2000	0	1700	ug/Kg	85				59	125	
Pyrene	2000	0	1600	ug/Kg	80				52	128	
Butylbenzylphthalate	2000	0	1900	ug/Kg	95				64	126	
3,3-Dichlorobenzidine	2000	0	830	ug/Kg	42				10	164	
Benzo(a)anthracene	2000	0	1700	ug/Kg	85				71	114	
Chrysene	2000	0	1600	ug/Kg	80				57	121	
bis(2-Ethylhexyl)phthalate	2000	0	1800	ug/Kg	90				66	127	
Di-n-octyl phthalate	2000	0	1700	ug/Kg	85				71	126	
Benzo(b)fluoranthene	2000	0	1800	ug/Kg	90				67	121	
Benzo(k)fluoranthene	2000	0	1700	ug/Kg	85				74	114	
Benzo(a)pyrene	2000	0	1600	ug/Kg	80				70	142	
Indeno(1,2,3-cd)pyrene	2000	0	1500	ug/Kg	75				61	125	
Dibenz(a,h)anthracene	2000	0	1700	ug/Kg	85				67	130	
Benzo(g,h,i)perylene	2000	0	1500	ug/Kg	75				53	140	
1,2,4,5-Tetrachlorobenzene	2000	0	1500	ug/Kg	75				69	124	
1,4-Dioxane	2000	0	1500	ug/Kg	75				46	112	
2,3,4,6-Tetrachlorophenol	2000	0	1800	ug/Kg	90				56	133	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O1232

Client: Louis Berger U.S., Inc., A WSP Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: O1233-02MSD		**Client Sample ID: B-P34AMSD**						**DataFile: BF132172.D**			
Benzaldehyde	1900	0	1200	ug/Kg	63		5		26	163	20
Phenol	1900	0	1700	ug/Kg	89		5		67	126	20
bis(2-Chloroethyl)ether	1900	0	1700	ug/Kg	89		5		74	116	20
2-Chlorophenol	1900	0	1800	ug/Kg	95		5		61	138	20
2-Methylphenol	1900	0	1700	ug/Kg	89		5		66	122	20
2,2-oxybis(1-Chloropropane)	1900	0	1700	ug/Kg	89		5		52	115	20
Acetophenone	1900	0	1600	ug/Kg	84		5		75	111	20
3+4-Methylphenols	1900	0	1700	ug/Kg	89		5		53	132	20
N-Nitroso-di-n-propylamine	1900	0	1600	ug/Kg	84		1		59	119	20
Hexachloroethane	1900	0	1800	ug/Kg	95		5		65	117	20
Nitrobenzene	1900	0	1700	ug/Kg	89		5		70	119	20
Isophorone	1900	0	1700	ug/Kg	89		5		76	122	20
2-Nitrophenol	1900	0	2000	ug/Kg	105		5		54	145	20
2,4-Dimethylphenol	1900	0	1700	ug/Kg	89		5		83	144	20
bis(2-Chloroethoxy)methane	1900	0	1600	ug/Kg	84		5		68	112	20
2,4-Dichlorophenol	1900	0	1700	ug/Kg	89		5		72	118	20
Naphthalene	1900	0	1600	ug/Kg	84		5		72	110	20
4-Chloroaniline	1900	0	600	ug/Kg	32		10		10	100	20
Hexachlorobutadiene	1900	0	1600	ug/Kg	84		5		66	114	20
Caprolactam	1900	0	2000	ug/Kg	105		5		51	134	20
4-Chloro-3-methylphenol	1900	0	1800	ug/Kg	95		5		57	132	20
2-Methylnaphthalene	1900	0	1500	ug/Kg	79		5		59	123	20
Hexachlorocyclopentadiene	3900	0	3700	ug/Kg	95		3		10	175	20
2,4,6-Trichlorophenol	1900	0	1700	ug/Kg	89		5		72	117	20
2,4,5-Trichlorophenol	1900	0	1600	ug/Kg	84		5		72	117	20
1,1-Biphenyl	1900	0	1600	ug/Kg	84		5		75	113	20
2-Chloronaphthalene	1900	0	1600	ug/Kg	84		5		67	118	20
2-Nitroaniline	1900	0	1800	ug/Kg	95		5		69	127	20
Dimethylphthalate	1900	0	1600	ug/Kg	84		5		70	113	20
Acenaphthylene	1900	0	1600	ug/Kg	84		5		79	118	20
2,6-Dinitrotoluene	1900	0	1900	ug/Kg	100		0		70	125	20
3-Nitroaniline	1900	0	1200	ug/Kg	63		3		20	111	20
Acenaphthene	1900	0	1800	ug/Kg	95		5		70	121	20
2,4-Dinitrophenol	3900	0	4200	ug/Kg	108		0		16	160	20
4-Nitrophenol	3900	0	3900	ug/Kg	100		0		45	133	20
Dibenzofuran	1900	0	1600	ug/Kg	84		11		72	110	20
2,4-Dinitrotoluene	1900	0	2100	ug/Kg	111		6		55	128	20
Diethylphthalate	1900	0	1600	ug/Kg	84		1		70	112	20
4-Chlorophenyl-phenylether	1900	0	1600	ug/Kg	84		5		71	108	20
Fluorene	1900	0	1600	ug/Kg	84		5		68	116	20
4-Nitroaniline	1900	0	1900	ug/Kg	100		5		55	120	20
4,6-Dinitro-2-methylphenol	1900	0	1900	ug/Kg	100		5		32	145	20
N-Nitrosodiphenylamine	1900	0	1500	ug/Kg	79		5		73	118	20
4-Bromophenyl-phenylether	1900	0	1500	ug/Kg	79		5		65	121	20
Hexachlorobenzene	1900	0	1600	ug/Kg	84		1		67	118	20
Atrazine	1900	0	1800	ug/Kg	95		5		79	127	20
Pentachlorophenol	3900	0	3100	ug/Kg	79		0		47	128	20

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O1232

Client: Louis Berger U.S., Inc., A WSP Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Phenanthrene	1900	0	1500	ug/Kg	79		5		72	113	20
Anthracene	1900	0	1500	ug/Kg	79		5		62	124	20
Carbazole	1900	0	1600	ug/Kg	84		1		59	119	20
Di-n-butylphthalate	1900	0	1700	ug/Kg	89		1		69	118	20
Fluoranthene	1900	0	1700	ug/Kg	89		5		59	125	20
Pyrene	1900	0	1600	ug/Kg	84		5		52	128	20
Butylbenzylphthalate	1900	0	1900	ug/Kg	100		5		64	126	20
3,3-Dichlorobenzidine	1900	0	870	ug/Kg	46		9		10	164	20
Benzo(a)anthracene	1900	0	1600	ug/Kg	84		1		71	114	20
Chrysene	1900	0	1600	ug/Kg	84		5		57	121	20
bis(2-Ethylhexyl)phthalate	1900	0	1700	ug/Kg	89		1		66	127	20
Di-n-octyl phthalate	1900	0	1700	ug/Kg	89		5		71	126	20
Benzo(b)fluoranthene	1900	0	1800	ug/Kg	95		5		67	121	20
Benzo(k)fluoranthene	1900	0	1700	ug/Kg	89		5		74	114	20
Benzo(a)pyrene	1900	0	1600	ug/Kg	84		5		70	142	20
Indeno(1,2,3-cd)pyrene	1900	0	1500	ug/Kg	79		5		61	125	20
Dibenz(a,h)anthracene	1900	0	1600	ug/Kg	84		1		67	130	20
Benzo(g,h,i)perylene	1900	0	1500	ug/Kg	79		5		53	140	20
1,2,4,5-Tetrachlorobenzene	1900	0	1500	ug/Kg	79		5		69	124	20
1,4-Dioxane	1900	0	1500	ug/Kg	79		5		46	112	20
2,3,4,6-Tetrachlorophenol	1900	0	1800	ug/Kg	95		5		56	133	20

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O1232

Client: Louis Berger U.S., Inc., A WSP Company

Analytical Method: 8270E **DataFile:** BP013684.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB150378BS	Benzaldehyde	1700	960	ug/Kg	56				10	109	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				59	102	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1400	ug/Kg	82				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	810	ug/Kg	48				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1400	ug/Kg	82				42	122	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3600	ug/Kg	109				45	134	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				53	105	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	2900	ug/Kg	88				37	128	
	4-Nitrophenol	3300	3100	ug/Kg	94				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1300	ug/Kg	76				47	102	
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				48	132	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	125	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O1232

Client: Louis Berger U.S., Inc., A WSP Company

Analytical Method: 8270E **DataFile:** BP013684.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB150378BS	Pentachlorophenol	3300	2800	ug/Kg	85				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				30	89	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				51	114	
	Di-n-octyl phthalate	1700	1300	ug/Kg	76				52	114	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1400	ug/Kg	82				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1300	ug/Kg	76				63	101	
	Dibenz(a,h)anthracene	1700	1300	ug/Kg	76				61	112	
	Benzo(g,h,i)perylene	1700	1200	ug/Kg	71				57	116	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB150378BL

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG NO.: O1232

Lab File ID: BP013572.D Lab Sample ID: PB150378BL

Instrument ID: BNA_P Date Extracted: 01/20/2023

Matrix: (soil/water) SOIL Date Analyzed: 01/24/2023

Level: (low/med) LOW Time Analyzed: 15:50

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B-P35B	O1232-09	BP013581.D	01/24/2023
B-P18A	O1232-04	BP013586.D	01/24/2023
PB150378BS	PB150378BS	BP013684.D	01/31/2023
B-P17A	O1232-01	BF132175.D	01/20/2023
B-P35A	O1232-08	BF132177.D	01/20/2023
B-P34AMS	O1233-02MS	BF132171.D	01/20/2023
B-P34AMSD	O1233-02MSD	BF132172.D	01/20/2023
B-P19A	O1232-06	BG056372.D	01/20/2023
B-P18B	O1232-05	BG056373.D	01/20/2023
DUP01	O1232-10	BG056375.D	01/20/2023
B-P19B	O1232-07	BG056414.D	01/24/2023
B-P17B	O1232-02	BP013566.D	01/24/2023

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM SAS No.: O1232 SDG NO.: O1232

Lab File ID: BF132139.D DFTPP Injection Date: 01/19/2023

Instrument ID: BNA_F DFTPP Injection Time: 10:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.6
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.4
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.4
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	82.8
443	15.0 - 24.0% of mass 442	16 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF132140.D	01/19/2023	11:21
SSTDICC005	SSTDICC005	BF132141.D	01/19/2023	11:53
SSTDICC010	SSTDICC010	BF132142.D	01/19/2023	12:26
SSTDICC020	SSTDICC020	BF132143.D	01/19/2023	12:59
SSTDICCC040	SSTDICCC040	BF132144.D	01/19/2023	13:32
SSTDICC050	SSTDICC050	BF132145.D	01/19/2023	14:05
SSTDICC060	SSTDICC060	BF132146.D	01/19/2023	14:38
SSTDICC080	SSTDICC080	BF132147.D	01/19/2023	15:11

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM SAS No.: O1232 SDG NO.: O1232

Lab File ID: BF132163.D DFTPP Injection Date: 01/20/2023

Instrument ID: BNA_F DFTPP Injection Time: 16:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.5
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.9
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	13.9
442	Greater than 50% of mass 198	89.3
443	15.0 - 24.0% of mass 442	17.6 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF132164.D	01/20/2023	16:40
B-P34AMS	O1233-02MS	BF132171.D	01/20/2023	20:35
B-P34AMSD	O1233-02MSD	BF132172.D	01/20/2023	21:08
B-P17A	O1232-01	BF132175.D	01/20/2023	22:46
B-P35A	O1232-08	BF132177.D	01/20/2023	23:51

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM SAS No.: O1232 SDG NO.: O1232

Lab File ID: BG056125.D DFTPP Injection Date: 12/27/2022

Instrument ID: BNA_G DFTPP Injection Time: 14:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	15.4
68	Less than 2.0% of mass 69	0.2 (0.7) 1
69	Mass 69 relative abundance	23.8
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	34.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	31.4
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	10.6
442	Greater than 50% of mass 198	69.2
443	15.0 - 24.0% of mass 442	14.8 (21.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG056126.D	12/27/2022	14:55
SSTDICC005	SSTDICC005	BG056127.D	12/27/2022	15:36
SSTDICC010	SSTDICC010	BG056128.D	12/27/2022	16:17
SSTDICC020	SSTDICC020	BG056129.D	12/27/2022	16:58
SSTDICCC040	SSTDICCC040	BG056130.D	12/27/2022	17:40
SSTDICC050	SSTDICC050	BG056131.D	12/27/2022	18:21
SSTDICC060	SSTDICC060	BG056132.D	12/27/2022	19:01
SSTDICC080	SSTDICC080	BG056133.D	12/27/2022	19:42

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM SAS No.: O1232 SDG NO.: O1232

Lab File ID: BG056362.D DFTPP Injection Date: 01/20/2023

Instrument ID: BNA_G DFTPP Injection Time: 11:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.1
68	Less than 2.0% of mass 69	0.1 (0.4) 1
69	Mass 69 relative abundance	20.1
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	34.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	35.3
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	80.9
443	15.0 - 24.0% of mass 442	16.8 (20.8) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG056363.D	01/20/2023	11:44
B-P19A	O1232-06	BG056372.D	01/20/2023	18:05
B-P18B	O1232-05	BG056373.D	01/20/2023	18:47
DUP01	O1232-10	BG056375.D	01/20/2023	20:09

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM SAS No.: O1232 SDG NO.: O1232

Lab File ID: BG056402.D DFTPP Injection Date: 01/24/2023

Instrument ID: BNA_G DFTPP Injection Time: 14:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	13.5
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	19.6
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	33.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	34.5
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	13.7
442	Greater than 50% of mass 198	81.6
443	15.0 - 24.0% of mass 442	16.9 (20.8) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG056403.D	01/24/2023	14:59
B-P19B	O1232-07	BG056414.D	01/24/2023	22:35

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM SAS No.: O1232 SDG NO.: O1232

Lab File ID: BP013544.D DFTPP Injection Date: 01/23/2023

Instrument ID: BNA_P DFTPP Injection Time: 10:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.2
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.8
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.9 (19.9) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP013545.D	01/23/2023	11:25
SSTDICC005	SSTDICC005	BP013546.D	01/23/2023	12:00
SSTDICC010	SSTDICC010	BP013547.D	01/23/2023	12:34
SSTDICC020	SSTDICC020	BP013548.D	01/23/2023	13:08
SSTDICCC040	SSTDICCC040	BP013549.D	01/23/2023	13:42
SSTDICC050	SSTDICC050	BP013550.D	01/23/2023	14:17
SSTDICC060	SSTDICC060	BP013551.D	01/23/2023	14:51
SSTDICC080	SSTDICC080	BP013552.D	01/23/2023	16:01

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM SAS No.: O1232 SDG NO.: O1232

Lab File ID: BP013561.D DFTPP Injection Date: 01/24/2023

Instrument ID: BNA_P DFTPP Injection Time: 09:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.8
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	27.3
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	39.7
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.1
275	10.0 - 60.0% of mass 198	24.3
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP013562.D	01/24/2023	09:53
B-P17B	O1232-02	BP013566.D	01/24/2023	12:17

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM SAS No.: O1232 SDG NO.: O1232

Lab File ID: BP013570.D DFTPP Injection Date: 01/24/2023

Instrument ID: BNA_P DFTPP Injection Time: 14:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.8
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	32.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	44.7
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP013571.D	01/24/2023	15:13
PB150378BL	PB150378BL	BP013572.D	01/24/2023	15:50
B-P35B	O1232-09	BP013581.D	01/24/2023	21:02
B-P18A	O1232-04	BP013586.D	01/24/2023	23:52

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM SAS No.: O1232 SDG NO.: O1232

Lab File ID: BP013668.D DFTPP Injection Date: 01/31/2023

Instrument ID: BNA_P DFTPP Injection Time: 10:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	24
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	27.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	34.4
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 60.0% of mass 198	27.4
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP013669.D	01/31/2023	11:21
SSTDICC005	SSTDICC005	BP013670.D	01/31/2023	11:55
SSTDICC010	SSTDICC010	BP013671.D	01/31/2023	12:30
SSTDICC020	SSTDICC020	BP013672.D	01/31/2023	13:04
SSTDICCC040	SSTDICCC040	BP013673.D	01/31/2023	13:38
SSTDICC050	SSTDICC050	BP013674.D	01/31/2023	14:12
SSTDICC060	SSTDICC060	BP013675.D	01/31/2023	14:47
SSTDICC080	SSTDICC080	BP013676.D	01/31/2023	15:56
PB150378BS	PB150378BS	BP013684.D	01/31/2023	21:04

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG NO.: O1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/20/2023

Lab File ID: BF132164.D Time Analyzed: 16:40

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	175584	7.09	590884	8.38	314145	10.14
	UPPER LIMIT	351168	7.59	1181770	8.878	628290	10.642
	LOWER LIMIT	87792	6.59	295442	7.878	157073	9.642
	EPA SAMPLE NO.						
01	B-P17A	179173	7.09	654165	8.38	350949	10.14
02	B-P34AMS	184212	7.09	674454	8.38	369043	10.14
03	B-P34AMSD	185010	7.09	669898	8.38	363370	10.14
04	B-P35A	185310	7.09	674589	8.38	371842	10.14

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG NO.: O1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/20/2023

Lab File ID: BF132164.D Time Analyzed: 16:40

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	631542	11.642	364265	14.307	316916	15.901
	UPPER LIMIT	1263080	12.142	728530	14.807	633832	16.401
	LOWER LIMIT	315771	11.142	182133	13.807	158458	15.401
	EPA SAMPLE NO.						
01	B-P17A	681798	11.64	457343	14.30	397282	15.90
02	B-P34AMS	748390	11.64	455426	14.31	405760	15.90
03	B-P34AMSD	736982	11.64	439968	14.31	406965	15.90
04	B-P35A	723544	11.64	486031	14.30	396449	15.90

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG NO.: O1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/20/2023

Lab File ID: BG056363.D Time Analyzed: 11:44

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	37412	8.307	143761	11.14	115862	14.92
	UPPER LIMIT	74824	8.807	287522	11.639	231724	15.423
	LOWER LIMIT	18706	7.807	71880.5	10.639	57931	14.423
	EPA SAMPLE NO.						
01	B-P18B	44014	8.30	169116	11.13	128743	14.92
02	B-P19A	36892	8.30	139086	11.13	114800	14.91
03	DUP01	47011	8.30	177848	11.13	127856	14.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG NO.: O1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/20/2023

Lab File ID: BG056363.D Time Analyzed: 11:44

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	283626	17.661	257188	21.956	278421	25.399
	UPPER LIMIT	567252	18.161	514376	22.456	556842	25.899
	LOWER LIMIT	141813	17.161	128594	21.456	139211	24.899
	EPA SAMPLE NO.						
01	B-P18B	300749	17.65	276762	21.94	300974	25.39
02	B-P19A	281635	17.65	266133	21.95	294871	25.38
03	DUP01	293543	17.66	269833	21.95	285669	25.39

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG NO.: O1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/24/2023

Lab File ID: BG056403.D Time Analyzed: 14:59

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	39529	8.294	145808	11.13	117421	14.91
	UPPER LIMIT	79058	8.794	291616	11.626	234842	15.41
	LOWER LIMIT	19764.5	7.794	72904	10.626	58710.5	14.41
	EPA SAMPLE NO.						
01	B-P19B	40835	8.29	164752	11.13	126513	14.90

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG NO.: O1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/24/2023

Lab File ID: BG056403.D Time Analyzed: 14:59

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	289164	17.648	265057	21.943	286788	25.369
	UPPER LIMIT	578328	18.148	530114	22.443	573576	25.869
	LOWER LIMIT	144582	17.148	132529	21.443	143394	24.869
	EPA SAMPLE NO.						
01	B-P19B	291766	17.64	274867	21.93	299958	25.36

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG NO.: O1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/24/2023

Lab File ID: BP013562.D Time Analyzed: 09:53

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	306826	8.164	1252680	10.99	763071	14.80
	UPPER LIMIT	613652	8.664	2505360	11.493	1526140	15.299
	LOWER LIMIT	153413	7.664	626340	10.493	381536	14.299
	EPA SAMPLE NO.						
01	B-P17B	250560	8.16	955341	10.99	503514	14.79

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG NO.: O1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/24/2023

Lab File ID: BP013562.D Time Analyzed: 09:53

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1590580	17.551	1270420	21.628	1120190	24.216
	UPPER LIMIT	3181160	18.051	2540840	22.128	2240380	24.716
	LOWER LIMIT	795290	17.051	635210	21.128	560095	23.716
	EPA SAMPLE NO.						
01	B-P17B	1009560	17.55	942607	21.62	1148370	24.21

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG NO.: O1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/24/2023

Lab File ID: BP013571.D Time Analyzed: 15:13

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	306718	8.163	1319960	10.99	845480	14.80
	UPPER LIMIT	613436	8.663	2639920	11.493	1690960	15.298
	LOWER LIMIT	153359	7.663	659980	10.493	422740	14.298
	EPA SAMPLE NO.						
01	PB150378BL	291029	8.16	1295640	10.99	837908	14.80
02	B-P18A	399746	8.16	1629410	10.99	968292	14.79
03	B-P35B	364997	8.16	1463840	10.99	861008	14.79

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG NO.: O1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/24/2023

Lab File ID: BP013571.D Time Analyzed: 15:13

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1830850	17.551	1775330	21.627	1903850	24.215
	UPPER LIMIT	3661700	18.051	3550660	22.127	3807700	24.715
	LOWER LIMIT	915425	17.051	887665	21.127	951925	23.715
	EPA SAMPLE NO.						
01	PB150378BL	1910080	17.55	1883140	21.63	2131870	24.22
02	B-P18A	2094750	17.55	1475320	21.62	1445620	24.20
03	B-P35B	1874320	17.55	1653010	21.62	1474510	24.20

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG NO.: O1232

EPA Sample No.: SSTDICCC040 Date Analyzed: 01/31/2023

Lab File ID: BP013673.D Time Analyzed: 13:38

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	222064	8.14	832306	10.97	549003	14.78
	UPPER LIMIT	444128	8.64	1664610	11.469	1098010	15.281
	LOWER LIMIT	111032	7.64	416153	10.469	274502	14.281
	EPA SAMPLE NO.						
01	PB150378BS	297815	8.14	1192600	10.97	801024	14.78

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG NO.: O1232

EPA Sample No.: SSTDICCC040 Date Analyzed: 01/31/2023

Lab File ID: BP013673.D Time Analyzed: 13:38

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1258360	17.533	1280890	21.61	1494510	24.186
	UPPER LIMIT	2516720	18.033	2561780	22.11	2989020	24.686
	LOWER LIMIT	629180	17.033	640445	21.11	747255	23.686
	EPA SAMPLE NO.						
01	PB150378BS	1851080	17.53	1639740	21.61	1453640	24.18

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P17A	SDG No.:	O1232
Lab Sample ID:	O1232-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF132175.D	1	01/20/23 12:30	01/20/23 22:46	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	370	ug/Kg
108-95-2	Phenol	75.6	U	75.6	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.6	U	89.6	190	ug/Kg
95-57-8	2-Chlorophenol	76.2	U	76.2	190	ug/Kg
95-48-7	2-Methylphenol	120	U	120	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	190	ug/Kg
98-86-2	Acetophenone	89.4	U	89.4	190	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	84.9	U	84.9	89.3	ug/Kg
67-72-1	Hexachloroethane	82.2	U	82.2	190	ug/Kg
98-95-3	Nitrobenzene	82.5	U	82.5	190	ug/Kg
78-59-1	Isophorone	74.3	U	74.3	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	190	ug/Kg
120-83-2	2,4-Dichlorophenol	91.2	U	91.2	190	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	190	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	190	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	190	ug/Kg
105-60-2	Caprolactam	110	U	110	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.8	U	87.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	83.7	U	83.7	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	95.3	U	95.3	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93.3	U	93.3	190	ug/Kg
92-52-4	1,1-Biphenyl	96.5	U	96.5	190	ug/Kg
91-58-7	2-Chloronaphthalene	95.4	U	95.4	190	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	190	ug/Kg
131-11-3	Dimethylphthalate	90.3	U	90.3	190	ug/Kg
208-96-8	Acenaphthylene	76.7	U	76.7	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.2	U	87.2	190	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P17A	SDG No.:	O1232
Lab Sample ID:	O1232-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF132175.D	1	01/20/23 12:30	01/20/23 22:46	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	110	U	110	190	ug/Kg
83-32-9	Acenaphthene	88.0	U	88.0	190	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	370	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	370	ug/Kg
132-64-9	Dibenzofuran	82.8	U	82.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.4	U	94.4	190	ug/Kg
84-66-2	Diethylphthalate	89.8	U	89.8	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	190	ug/Kg
86-73-7	Fluorene	87.9	U	87.9	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	96.2	U	96.2	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	91.7	U	91.7	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	190	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	370	ug/Kg
85-01-8	Phenanthrene	93.3	U	93.3	190	ug/Kg
120-12-7	Anthracene	93.7	U	93.7	190	ug/Kg
86-74-8	Carbazole	94.0	U	94.0	190	ug/Kg
84-74-2	Di-n-butylphthalate	97.1	U	97.1	190	ug/Kg
206-44-0	Fluoranthene	89.1	U	89.1	190	ug/Kg
129-00-0	Pyrene	82.8	U	82.8	190	ug/Kg
85-68-7	Butylbenzylphthalate	92.3	U	92.3	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	U	150	370	ug/Kg
56-55-3	Benzo(a)anthracene	96.9	U	96.9	190	ug/Kg
218-01-9	Chrysene	95.4	U	95.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	98.9	U	98.9	190	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	77.0	U	77.0	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.1	U	82.1	190	ug/Kg
50-32-8	Benzo(a)pyrene	75.6	U	75.6	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	190	ug/Kg

Raw Data: **BF132175.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P17A	SDG No.:	O1232
Lab Sample ID:	O1232-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF132175.D	1	01/20/23 12:30	01/20/23 22:46	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	110	U	110	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	190	ug/Kg
123-91-1	1,4-Dioxane	99.4	U	99.4	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	90.6	U	90.6	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	91.9		18 - 112	61%	SPK: 150
13127-88-3	Phenol-d6	95.1		21 - 104	63%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.3		27 - 109	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.1		30 - 103	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	95.4		10 - 121	64%	SPK: 150
1718-51-0	Terphenyl-d14	59.5		21 - 107	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	179000	7.089			
1146-65-2	Naphthalene-d8	654000	8.378			
15067-26-2	Acenaphthene-d10	351000	10.142			
1517-22-2	Phenanthrene-d10	682000	11.636			
1719-03-5	Chrysene-d12	457000	14.301			
1520-96-3	Perylene-d12	397000	15.895			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1200	AB		5.34	ug/Kg
000057-10-3	n-Hexadecanoic acid	120	J		12.1	ug/Kg
1000382-90-3	Carbonic acid, hexadecyl prop-1-en	140	J		14.1	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132175.D
Acq On : 20 Jan 2023 22:46
Operator : CG\JU
Sample : 01232-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P-17A

Quant Time: Jan 21 03:58:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

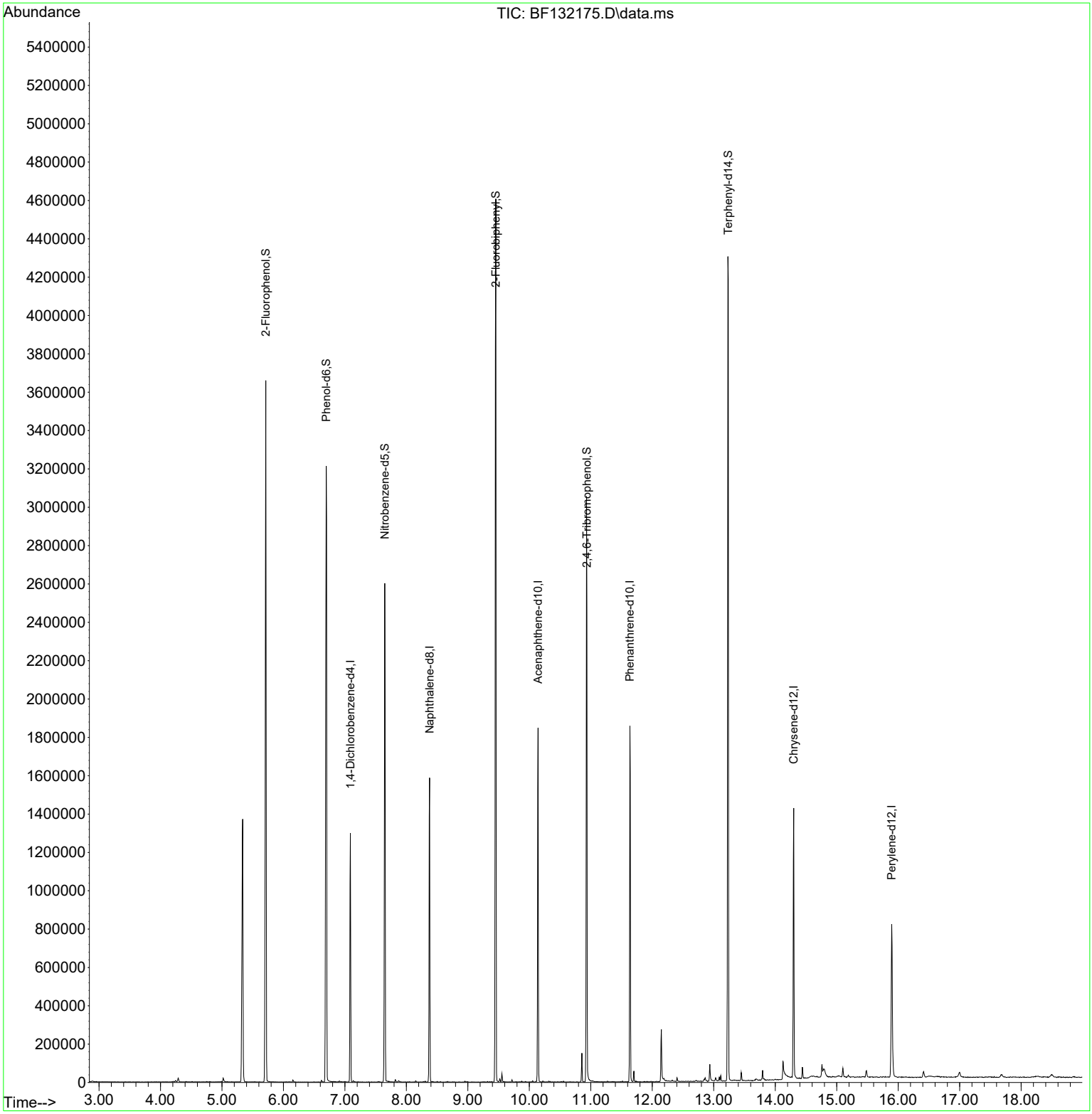
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.089	152	179173	20.000	ng	0.00
21) Naphthalene-d8	8.378	136	654165	20.000	ng	0.00
39) Acenaphthene-d10	10.142	164	350949	20.000	ng	0.00
64) Phenanthrene-d10	11.636	188	681798	20.000	ng	0.00
76) Chrysene-d12	14.301	240	457343	20.000	ng	0.00
86) Perylene-d12	15.895	264	397282	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.713	112	942833	91.923	ng	0.00
7) Phenol-d6	6.695	99	1228481	95.148	ng	0.00
23) Nitrobenzene-d5	7.648	82	803724	65.268	ng	0.00
42) 2,4,6-Tribromophenol	10.936	330	357742	95.432	ng	0.00
45) 2-Fluorobiphenyl	9.454	172	1348330	56.140	ng	0.00
79) Terphenyl-d14	13.236	244	1624364	59.496	ng	0.00
Target Compounds						Qvalue

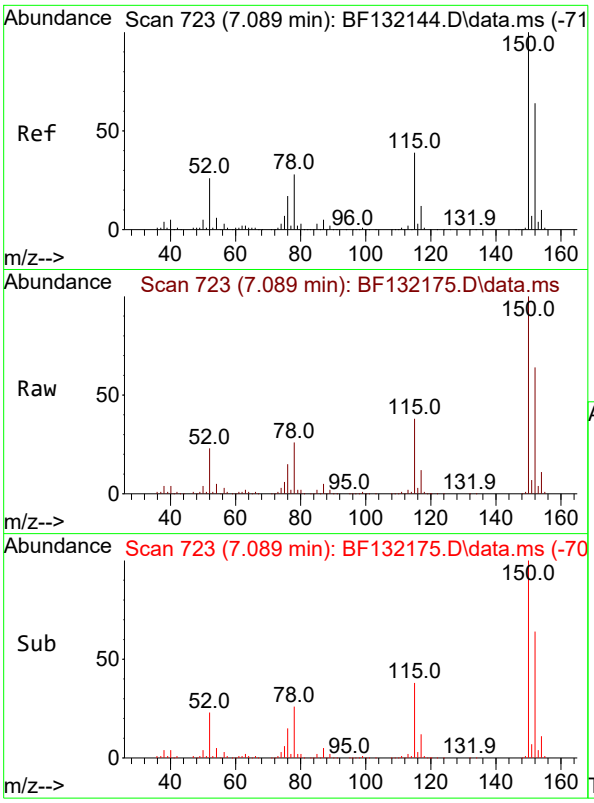
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132175.D
Acq On : 20 Jan 2023 22:46
Operator : CG\JU
Sample : 01232-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P-17A

Quant Time: Jan 21 03:58:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration



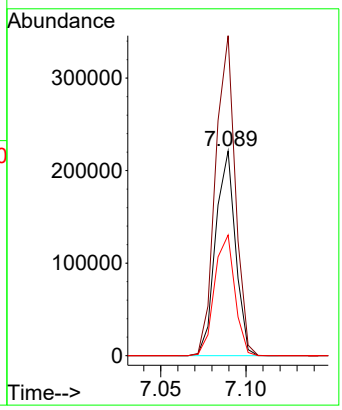


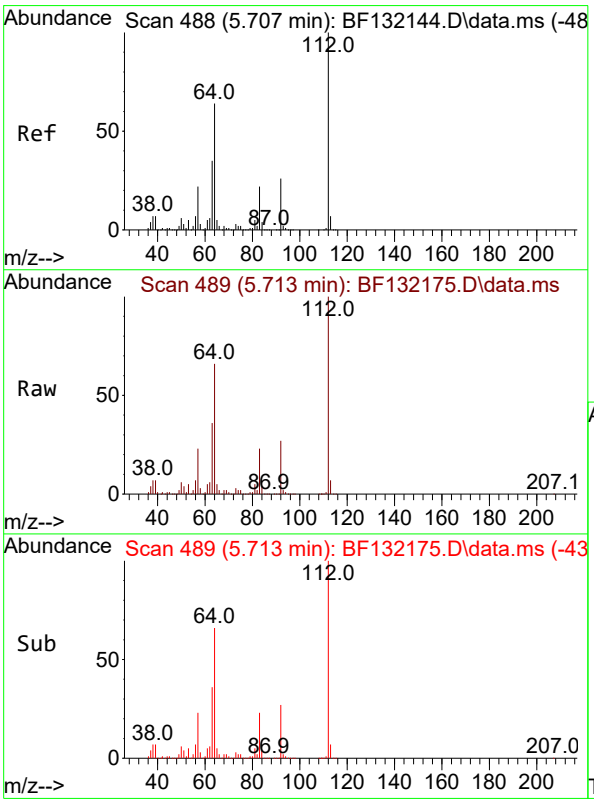
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.089 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132175.D
Acq: 20 Jan 2023 22:46

Instrument :
BNA_F
ClientSampleId :
B-P-17A

Tgt Ion:152 Resp: 179173

Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.8	188.8
115	59.0	49.2	73.8

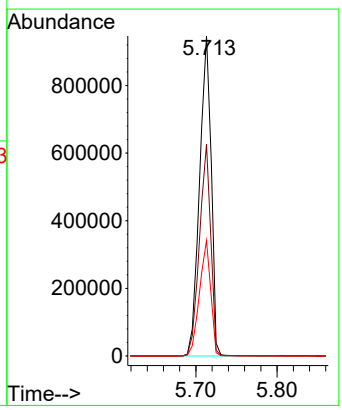


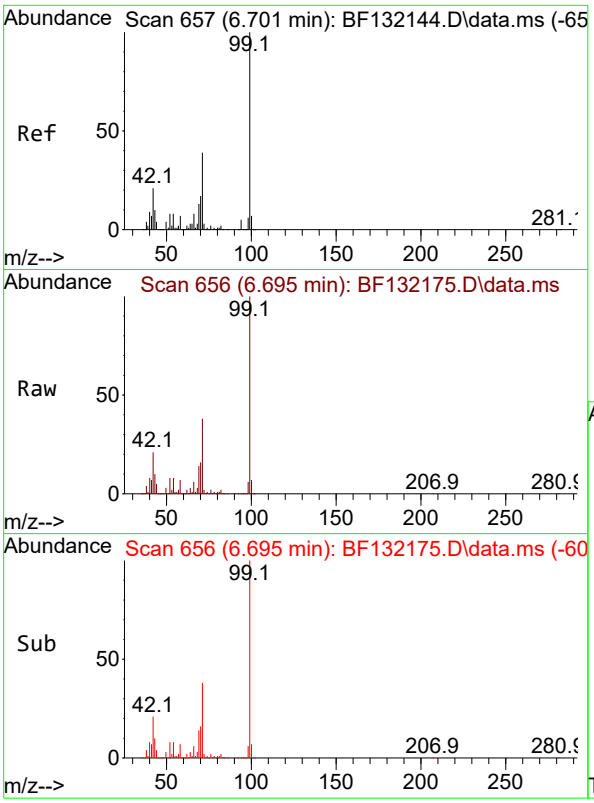


#5
2-Fluorophenol
Concen: 91.923 ng
RT: 5.713 min Scan# 489
Delta R.T. 0.006 min
Lab File: BF132175.D
Acq: 20 Jan 2023 22:46

Tgt Ion:112 Resp: 942833

Ion	Ratio	Lower	Upper
112	100		
64	66.1	51.4	77.0
63	36.1	28.2	42.2



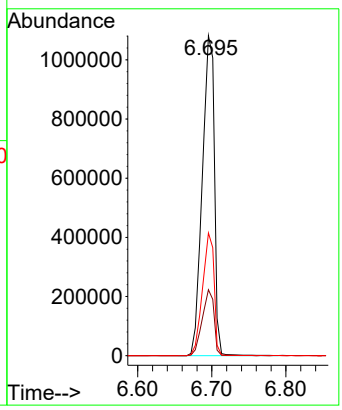


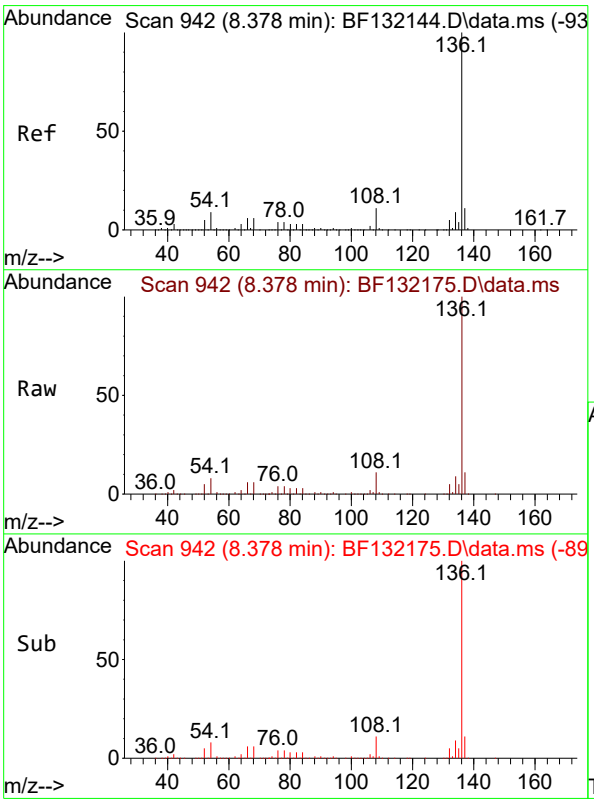
#7
Phenol-d6
Concen: 95.148 ng
RT: 6.695 min Scan# 6
Delta R.T. -0.006 min
Lab File: BF132175.D
Acq: 20 Jan 2023 22:46

Instrument :
BNA_F
ClientSampleId :
B-P-17A

Tgt Ion: 99 Resp: 1228481

Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.6	24.8
71	38.3	30.8	46.2

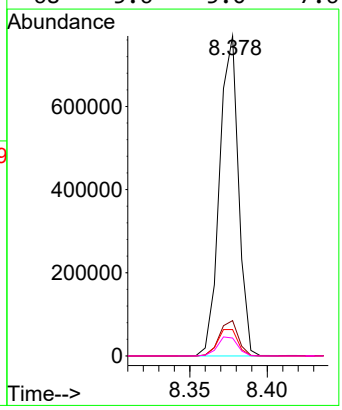


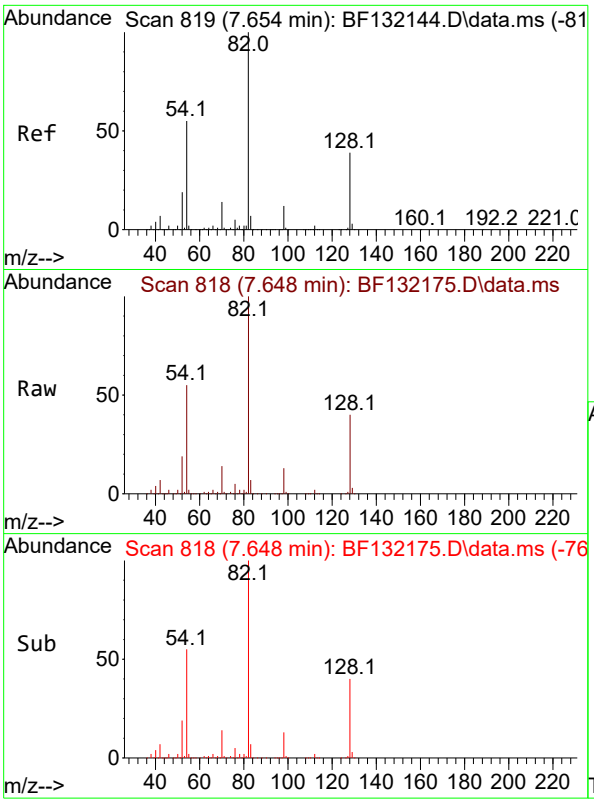


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.378 min Scan# 942
Delta R.T. -0.000 min
Lab File: BF132175.D
Acq: 20 Jan 2023 22:46

Tgt Ion:136 Resp: 654165

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.3	7.0	10.6
68	5.6	5.0	7.6



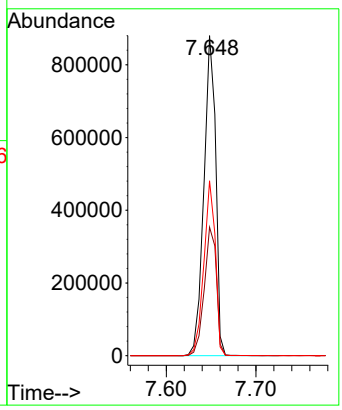


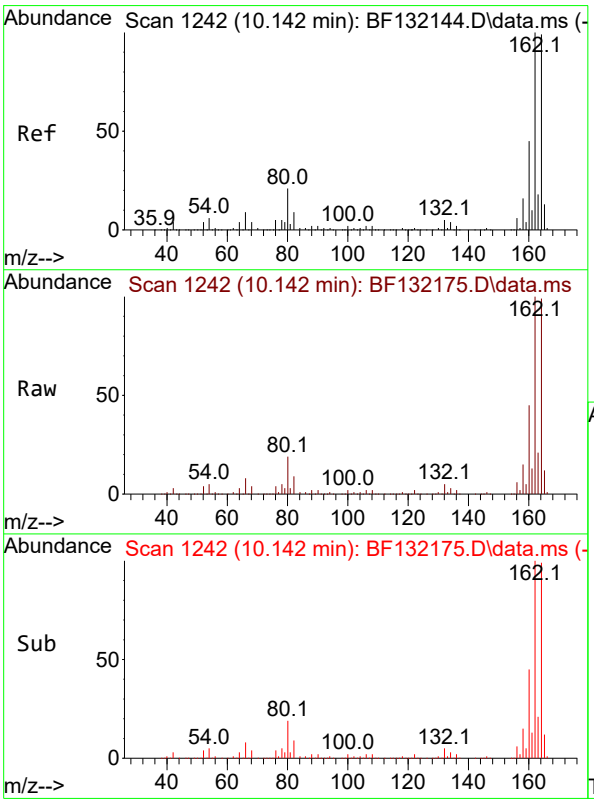
#23
Nitrobenzene-d5
Concen: 65.268 ng
RT: 7.648 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF132175.D
Acq: 20 Jan 2023 22:46

Instrument :
BNA_F
ClientSampleId :
B-P-17A

Tgt Ion: 82 Resp: 803724

Ion	Ratio	Lower	Upper
82	100		
128	40.2	31.1	46.7
54	54.7	43.9	65.9

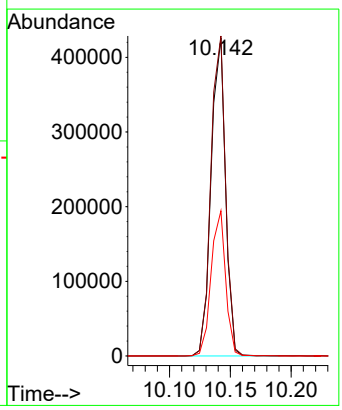


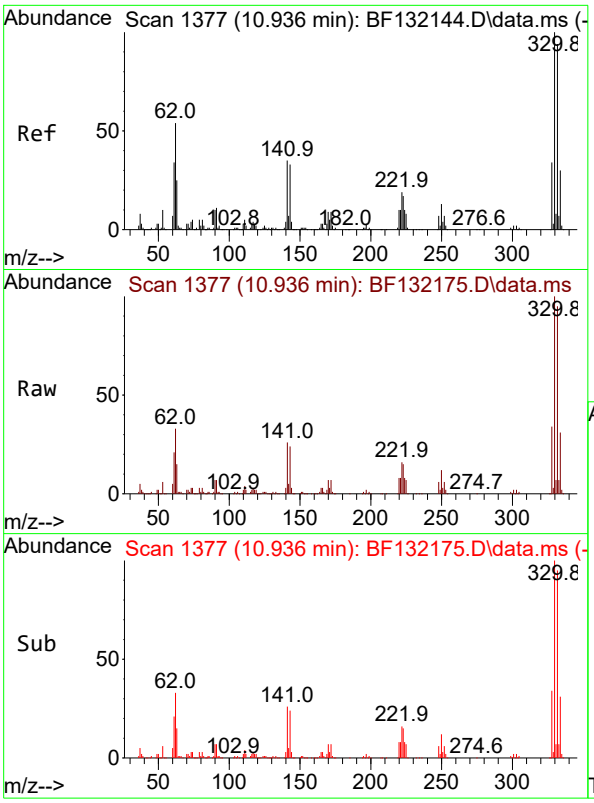


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.142 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF132175.D
Acq: 20 Jan 2023 22:46

Tgt Ion:164 Resp: 350949

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.2	121.8
160	45.6	36.9	55.3



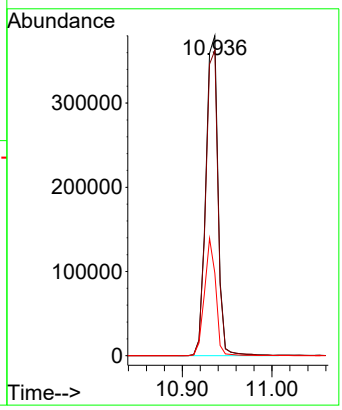


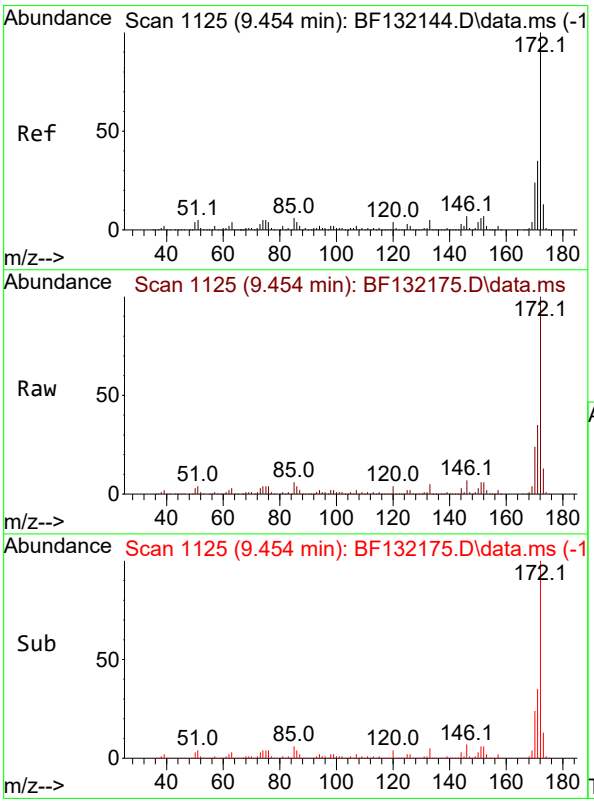
#42
2,4,6-Tribromophenol
Concen: 95.432 ng
RT: 10.936 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132175.D
Acq: 20 Jan 2023 22:46

Instrument :
BNA_F
ClientSampleId :
B-P-17A

Tgt Ion:330 Resp: 357742

Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.6	113.4
141	34.0	27.1	40.7

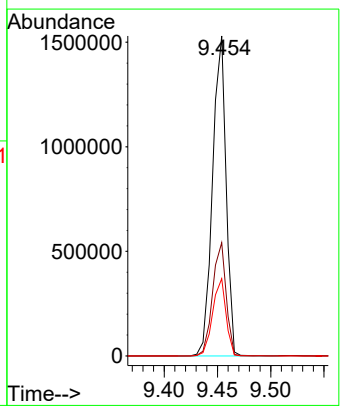


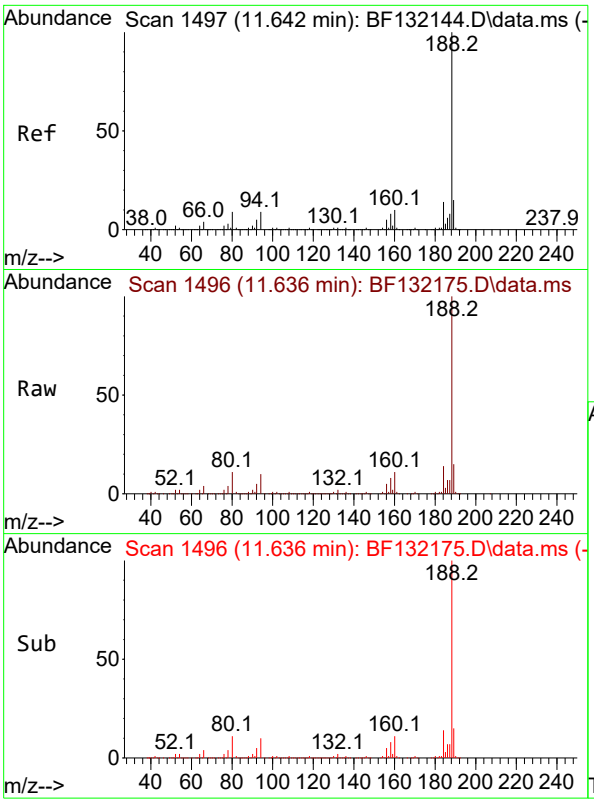


#45
2-Fluorobiphenyl
Concen: 56.140 ng
RT: 9.454 min Scan# 1125
Delta R.T. 0.000 min
Lab File: BF132175.D
Acq: 20 Jan 2023 22:46

Tgt Ion:172 Resp: 1348330

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	24.2	19.6	29.4



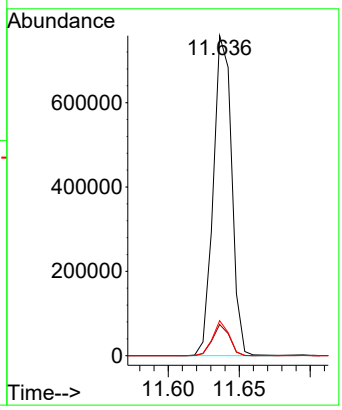


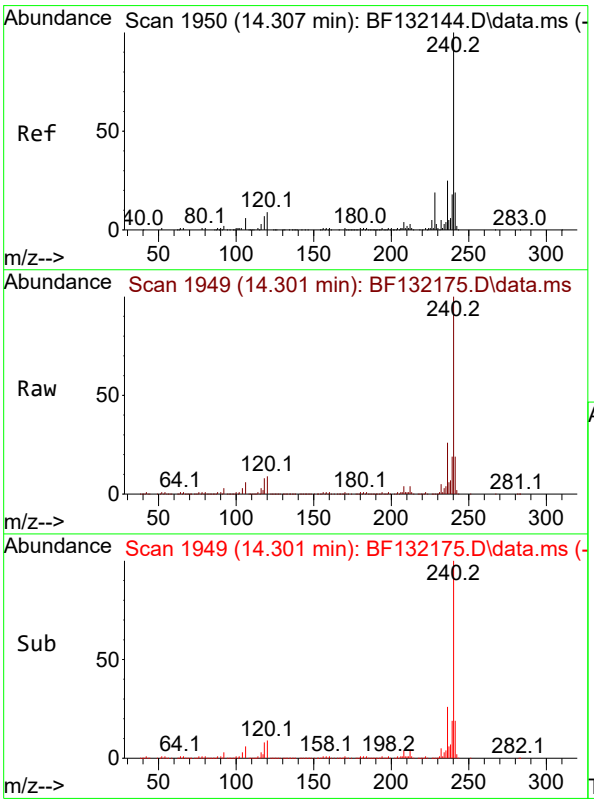
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.636 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF132175.D
Acq: 20 Jan 2023 22:46

Instrument :
BNA_F
ClientSampleId :
B-P-17A

Tgt Ion:188 Resp: 681798

Ion	Ratio	Lower	Upper
188	100		
94	9.8	6.9	10.3
80	11.0	7.5	11.3

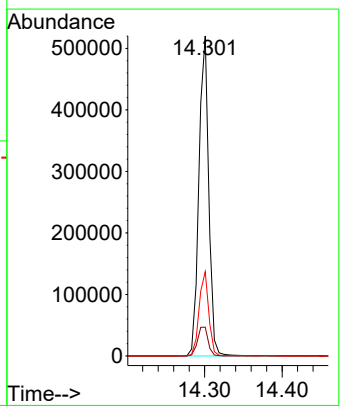


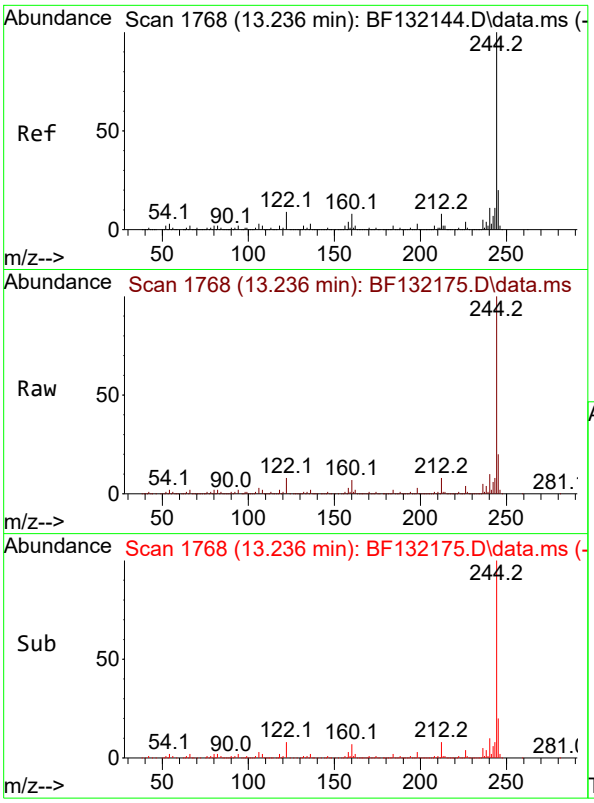


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.301 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BF132175.D
Acq: 20 Jan 2023 22:46

Tgt Ion:240 Resp: 457343

Ion	Ratio	Lower	Upper
240	100		
120	9.0	6.9	10.3
236	26.3	20.3	30.5



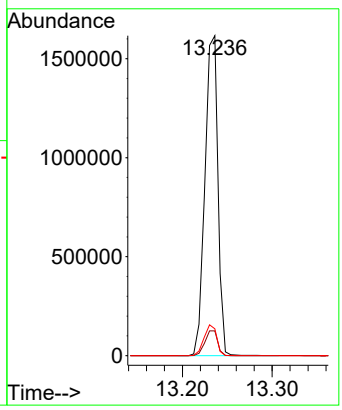


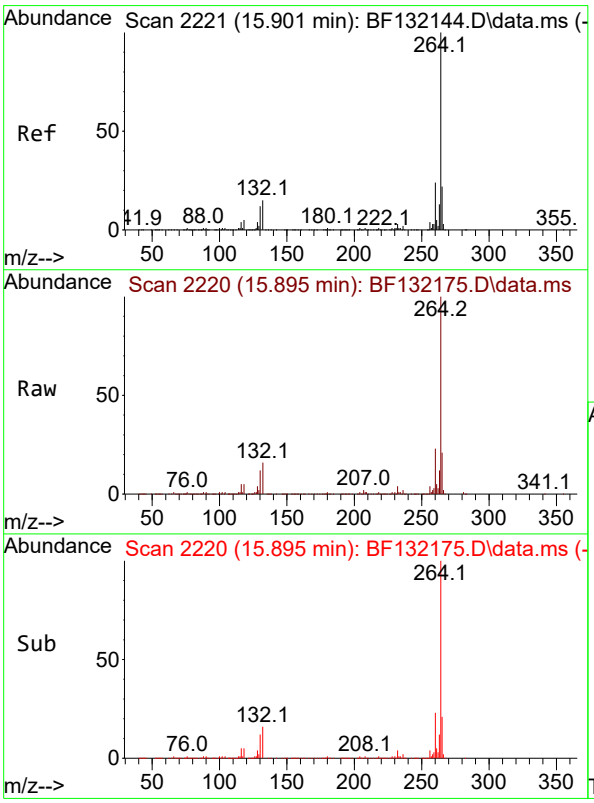
#79
Terphenyl-d14
Concen: 59.496 ng
RT: 13.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132175.D
Acq: 20 Jan 2023 22:46

Instrument :
BNA_F
ClientSampleId :
B-P-17A

Tgt Ion:244 Resp: 1624364

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.7	10.1
122	8.4	7.4	11.2

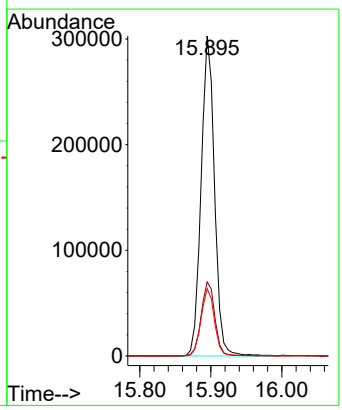




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.895 min Scan# 2220
Delta R.T. -0.006 min
Lab File: BF132175.D
Acq: 20 Jan 2023 22:46

Tgt Ion:264 Resp: 397282

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.1	28.7
265	21.1	17.4	26.0



Sample Results: **BF132175.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132175.D
Acq On : 20 Jan 2023 22:46
Operator : CG\JU
Sample : 01232-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P-17A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132175.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.337	419	425	431	rVB	1369590	1671396	38.81%	5.345%
2	5.713	484	489	492	rBV	3656197	3527435	81.91%	11.281%
3	6.695	651	656	660	rBV	3212301	3606324	83.75%	11.534%
4	7.089	719	723	726	rBV	1297306	1078258	25.04%	3.448%
5	7.648	813	818	821	rBV	2600923	2363902	54.89%	7.560%
6	8.378	938	942	945	rVB	1584067	1365161	31.70%	4.366%
7	9.454	1120	1125	1128	rBV	4604755	4054930	94.16%	12.968%
8	10.142	1238	1242	1245	rBV	1843924	1549541	35.98%	4.956%
9	10.854	1359	1363	1366	rBV	150695	111166	2.58%	0.356%
10	10.930	1372	1376	1380	rBV	3053942	2769747	64.32%	8.858%
11	11.636	1493	1496	1500	rBV	1852959	1634763	37.96%	5.228%
12	11.701	1504	1507	1511	rVB	56143	44611	1.04%	0.143%
13	12.148	1578	1583	1588	rBV	272166	260370	6.05%	0.833%
14	12.936	1713	1717	1722	rBV	87860	83627	1.94%	0.267%
15	13.230	1763	1767	1771	rBV	4297025	4306274	100.00%	13.772%
16	13.795	1858	1863	1865	rBV	52017	46368	1.08%	0.148%
17	14.124	1916	1919	1940	rBV	94596	237559	5.52%	0.760%
18	14.301	1945	1949	1952	rBV	1403955	1237807	28.74%	3.959%
19	14.442	1970	1973	1976	rBV	59471	49771	1.16%	0.159%
20	14.760	2023	2027	2029	rBV	63136	67896	1.58%	0.217%
21	15.101	2081	2085	2089	rBV	45023	47131	1.09%	0.151%
22	15.483	2146	2150	2159	rVB2	35144	48584	1.13%	0.155%
23	15.895	2214	2220	2237	rVB	799313	1105160	25.66%	3.535%

Sum of corrected areas: 31267781

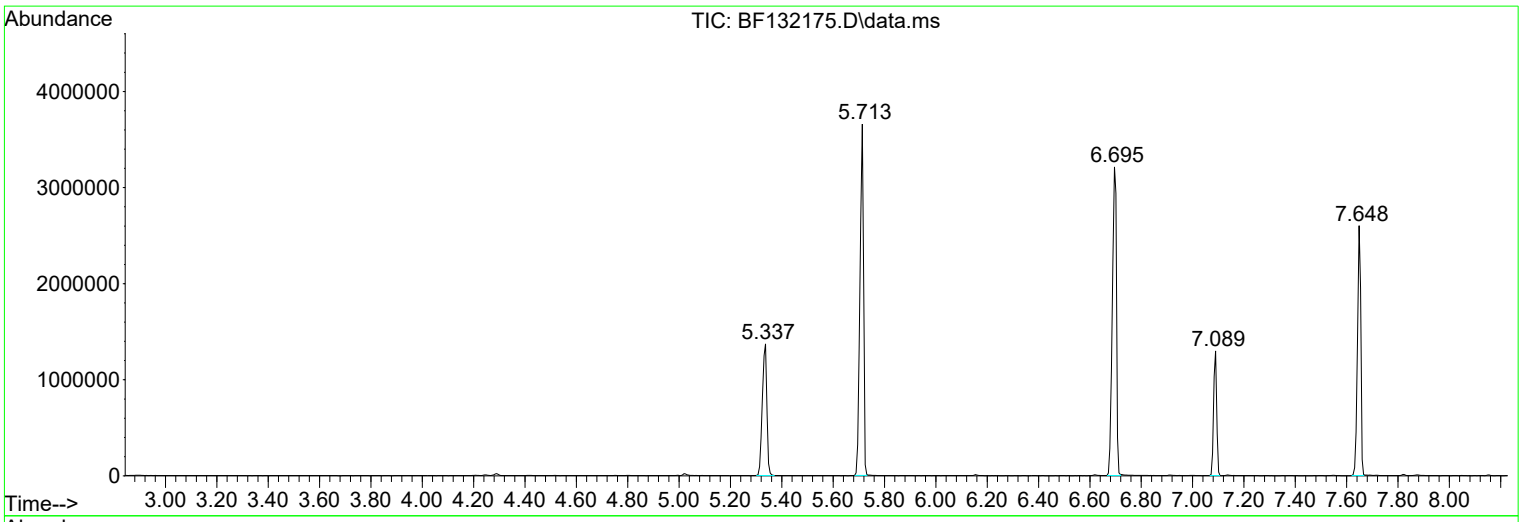
Sample Results: **BF132175.D**

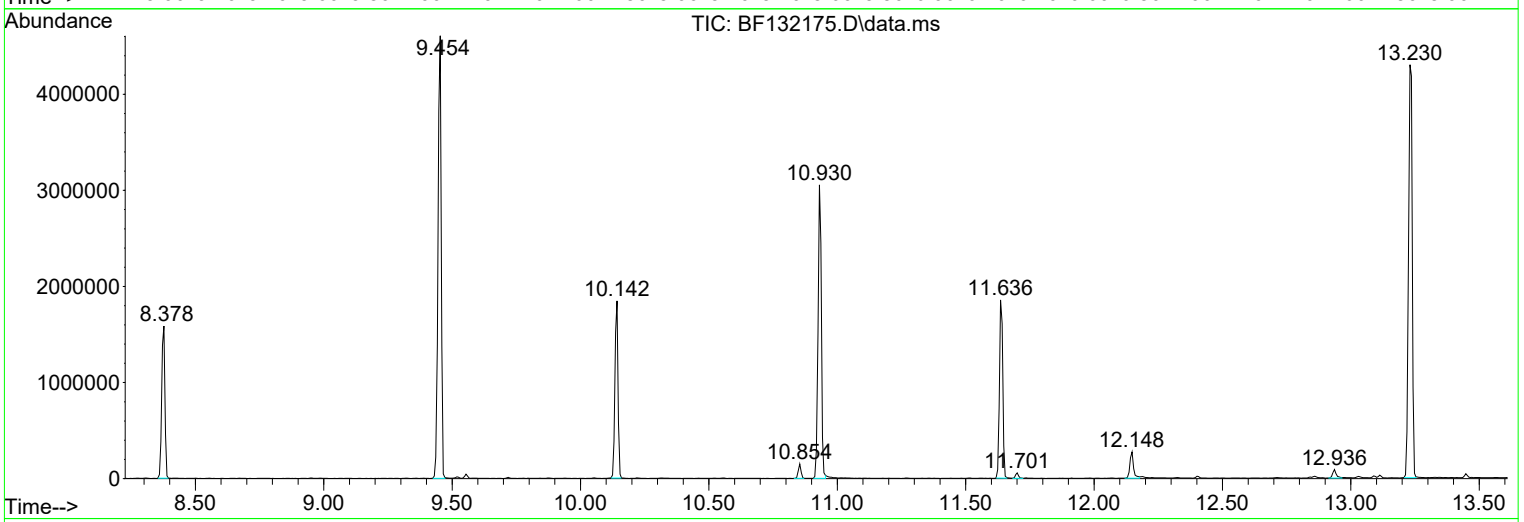
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132175.D
Acq On : 20 Jan 2023 22:46
Operator : CG\JU
Sample : 01232-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

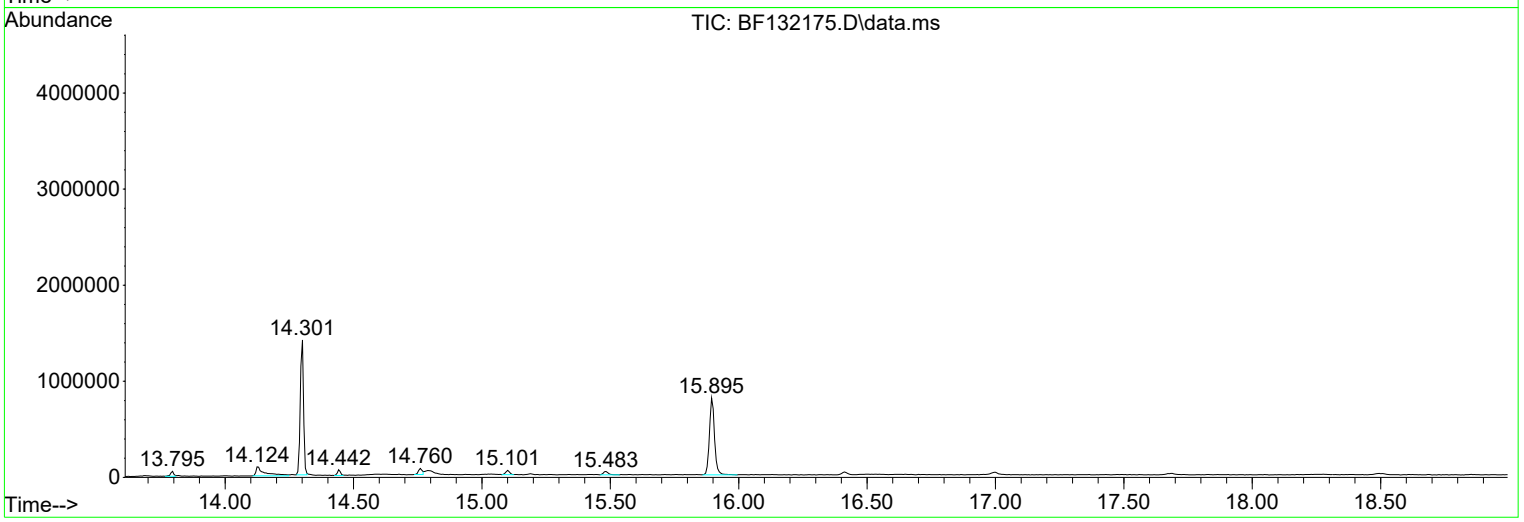
Instrument :
BNA_F
ClientSampleId :
B-P-17A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132175.D
Acq On : 20 Jan 2023 22:46
Operator : CG\JU
Sample : 01232-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P-17A

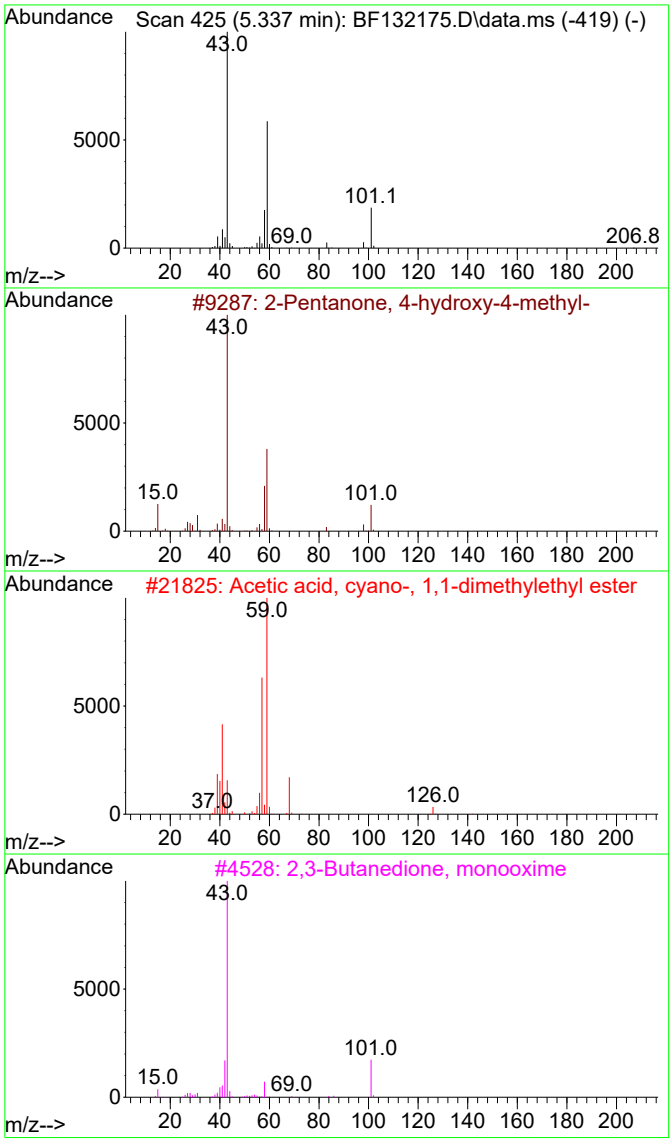
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

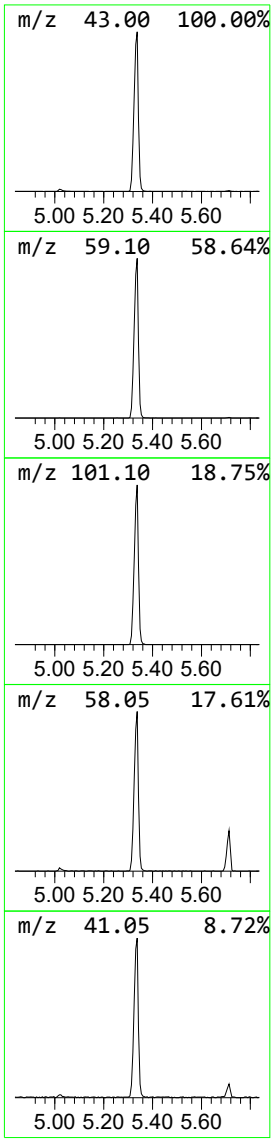
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.337	31.00 ng	1671400	1,4-Dichlorobenzene-d4	7.089

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4	Acetone	58	C3H6O	000067-64-1	12
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132175.D
Acq On : 20 Jan 2023 22:46
Operator : CG\JU
Sample : 01232-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P-17A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

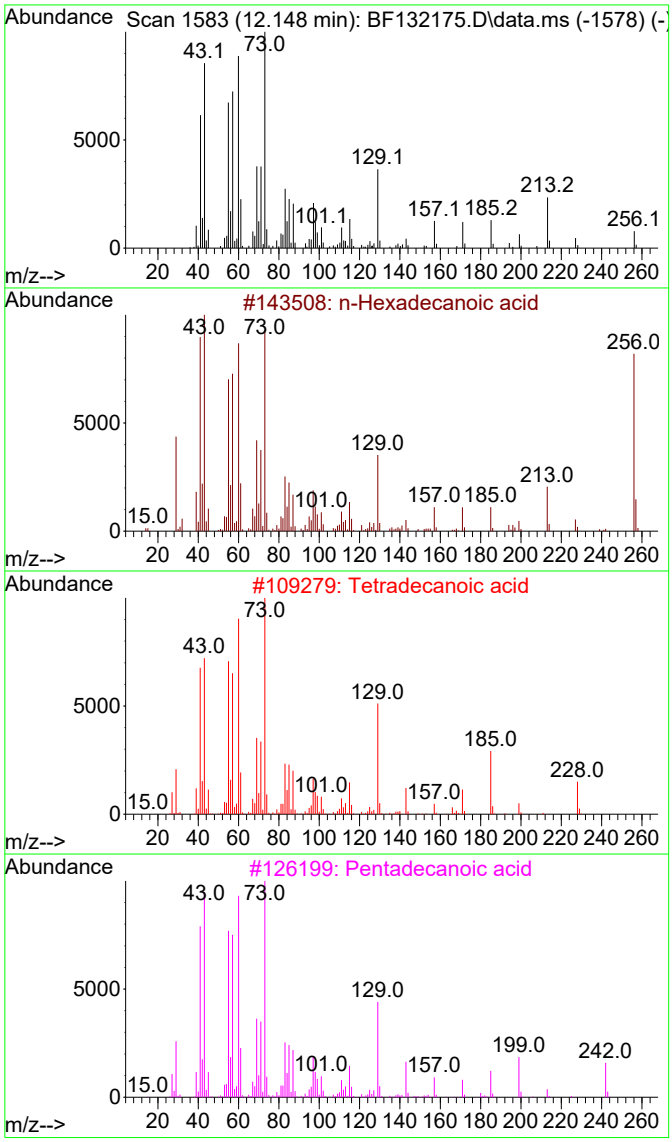
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

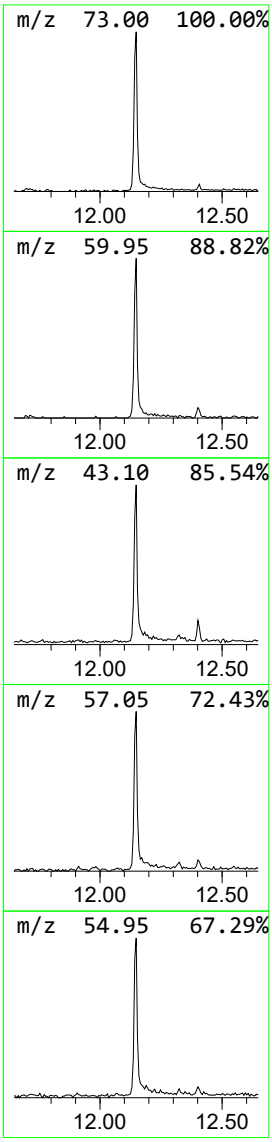
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.148	3.19 ng	260370	Phenanthrene-d10	11.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	87
5	Dodecanoic acid	200	C12H24O2	000143-07-7	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132175.D
Acq On : 20 Jan 2023 22:46
Operator : CG\JU
Sample : 01232-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P-17A

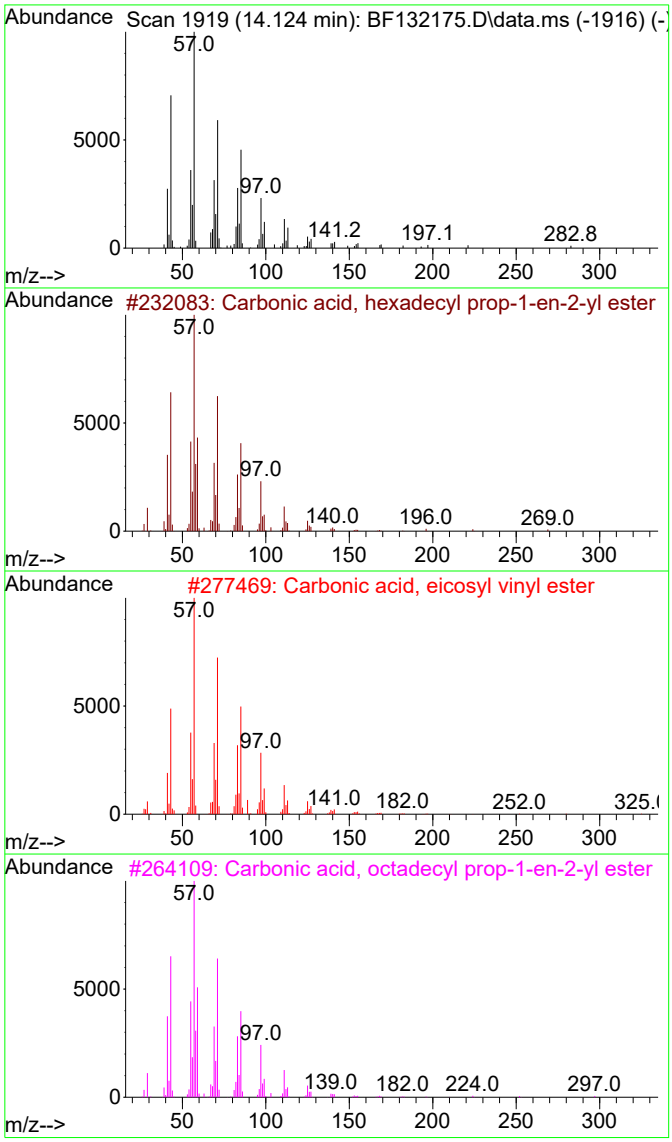
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

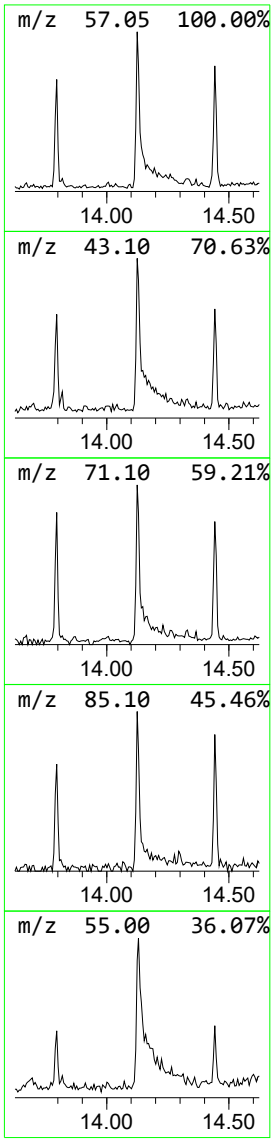
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Carbonic acid, hexadecyl pr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.124	3.84 ng	237559	Chrysene-d12	14.301

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	91
2	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	91
3	Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	91
4	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	91
5	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1010309-12-5	91





Sample Results: **BF132175.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132175.D
Acq On : 20 Jan 2023 22:46
Operator : CG\JU
Sample : 01232-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P-17A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.337	31.0	ng	1671400	1	7.089	1078260	20.0
n-Hexadecanoic ...	12.148	3.2	ng	260370	4	11.636	1634760	20.0
Carbonic acid, ...	14.124	3.8	ng	237559	5	14.301	1237810	20.0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P17B	SDG No.:	O1232
Lab Sample ID:	O1232-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013566.D	1	01/20/23 12:30	01/24/23 12:17	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	380	ug/Kg
108-95-2	Phenol	77.8	U	77.8	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	92.3	U	92.3	200	ug/Kg
95-57-8	2-Chlorophenol	78.5	U	78.5	200	ug/Kg
95-48-7	2-Methylphenol	120	U	120	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	200	ug/Kg
98-86-2	Acetophenone	92.0	U	92.0	200	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	87.4	U	87.4	91.9	ug/Kg
67-72-1	Hexachloroethane	84.7	U	84.7	200	ug/Kg
98-95-3	Nitrobenzene	84.9	U	84.9	200	ug/Kg
78-59-1	Isophorone	76.5	U	76.5	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	200	ug/Kg
120-83-2	2,4-Dichlorophenol	93.9	U	93.9	200	ug/Kg
91-20-3	Naphthalene	84.9	U	84.9	200	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	200	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	200	ug/Kg
105-60-2	Caprolactam	110	U	110	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	90.4	U	90.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	86.2	U	86.2	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	98.1	U	98.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	96.0	U	96.0	200	ug/Kg
92-52-4	1,1-Biphenyl	99.4	U	99.4	200	ug/Kg
91-58-7	2-Chloronaphthalene	98.2	U	98.2	200	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	200	ug/Kg
131-11-3	Dimethylphthalate	92.9	U	92.9	200	ug/Kg
208-96-8	Acenaphthylene	78.9	U	78.9	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.7	U	89.7	200	ug/Kg

Raw Data: **BP013566.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P17B	SDG No.:	O1232
Lab Sample ID:	O1232-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013566.D	1	01/20/23 12:30	01/24/23 12:17	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	120	U	120	200	ug/Kg
83-32-9	Acenaphthene	90.6	U	90.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	380	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	380	ug/Kg
132-64-9	Dibenzofuran	85.2	U	85.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.2	U	97.2	200	ug/Kg
84-66-2	Diethylphthalate	92.5	U	92.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	200	ug/Kg
86-73-7	Fluorene	90.5	U	90.5	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	99.0	U	99.0	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	94.4	U	94.4	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	200	ug/Kg
1912-24-9	Atrazine	100	U	100	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	380	ug/Kg
85-01-8	Phenanthrene	96.0	U	96.0	200	ug/Kg
120-12-7	Anthracene	96.5	U	96.5	200	ug/Kg
86-74-8	Carbazole	96.7	U	96.7	200	ug/Kg
84-74-2	Di-n-butylphthalate	99.9	U	99.9	200	ug/Kg
206-44-0	Fluoranthene	91.7	U	91.7	200	ug/Kg
129-00-0	Pyrene	85.2	U	85.2	200	ug/Kg
85-68-7	Butylbenzylphthalate	95.0	U	95.0	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	380	ug/Kg
56-55-3	Benzo(a)anthracene	99.7	U	99.7	200	ug/Kg
218-01-9	Chrysene	98.2	U	98.2	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	79.3	U	79.3	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	84.6	U	84.6	200	ug/Kg
50-32-8	Benzo(a)pyrene	77.8	U	77.8	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	200	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P17B	SDG No.:	O1232
Lab Sample ID:	O1232-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013566.D	1	01/20/23 12:30	01/24/23 12:17	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	110	U	110	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	200	ug/Kg
123-91-1	1,4-Dioxane	100	U	100	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	93.3	U	93.3	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	95.6		18 - 112	64%	SPK: 150
13127-88-3	Phenol-d6	89.3		21 - 104	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.4		27 - 109	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.1		30 - 103	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	104		10 - 121	69%	SPK: 150
1718-51-0	Terphenyl-d14	55.5		21 - 107	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	251000	8.157			
1146-65-2	Naphthalene-d8	955000	10.987			
15067-26-2	Acenaphthene-d10	504000	14.792			
1517-22-2	Phenanthrene-d10	1010000	17.545			
1719-03-5	Chrysene-d12	943000	21.621			
1520-96-3	Perylene-d12	1150000	24.21			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	920	J		3.22	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1000	AB		5.22	ug/Kg
000057-10-3	n-Hexadecanoic acid	160	J		18.4	ug/Kg
074685-30-6	5-Eicosene, (E)-	130	J		21.3	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013566.D
Acq On : 24 Jan 2023 12:17
Operator : CG/JU
Sample : 01232-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-17B

Quant Time: Jan 25 03:46:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

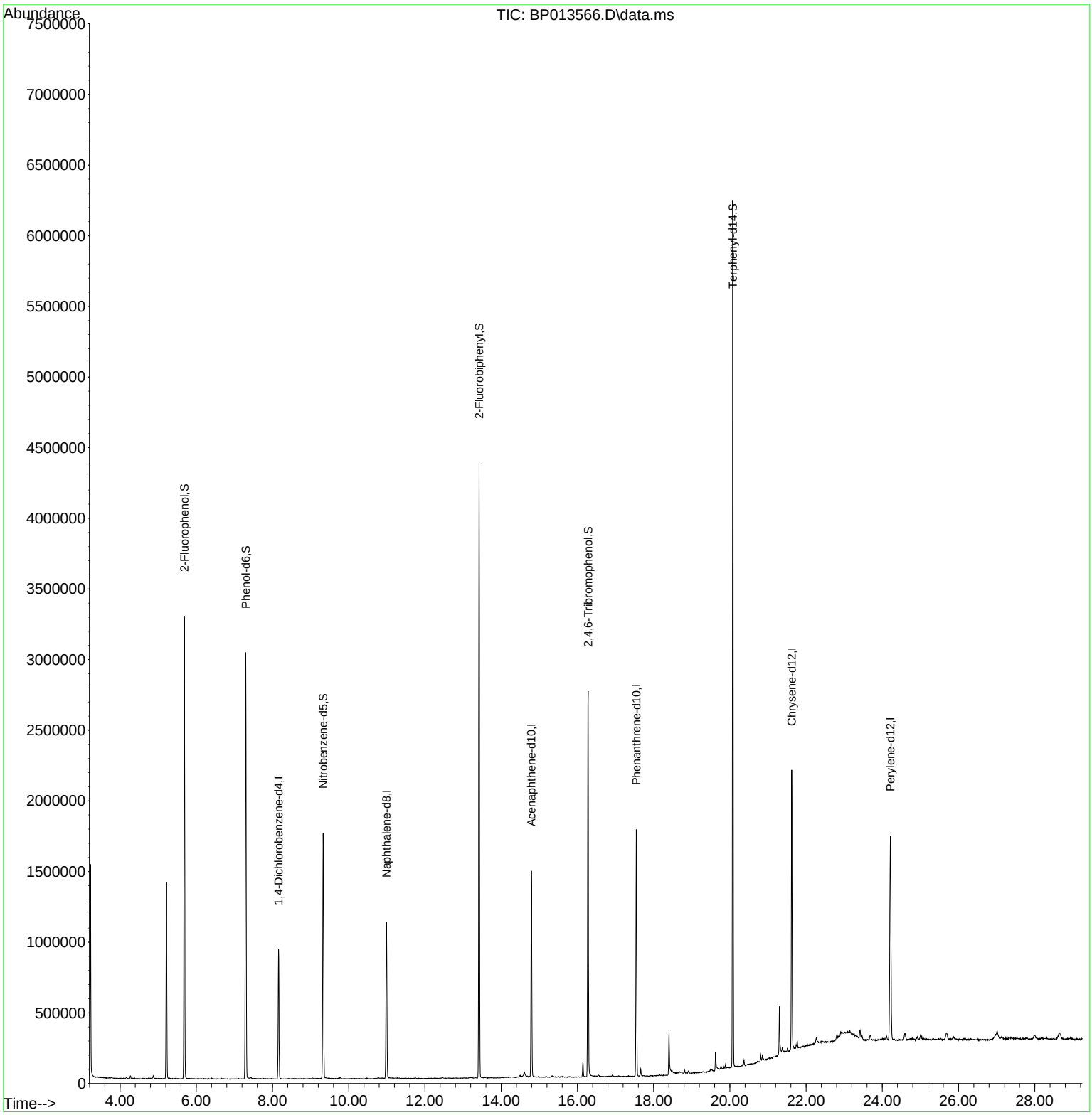
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.157	152	250560	20.000	ng	0.00
21) Naphthalene-d8	10.987	136	955341	20.000	ng	0.00
39) Acenaphthene-d10	14.792	164	503514	20.000	ng	0.00
64) Phenanthrene-d10	17.545	188	1009562	20.000	ng	0.00
76) Chrysene-d12	21.621	240	942607	20.000	ng	0.00
86) Perylene-d12	24.210	264	1148374	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	1398755	95.648	ng	0.00
7) Phenol-d6	7.299	99	1757532	89.297	ng	0.00
23) Nitrobenzene-d5	9.328	82	960769	66.392	ng	0.00
42) 2,4,6-Tribromophenol	16.281	330	526437	104.235	ng	0.00
45) 2-Fluorobiphenyl	13.422	172	2206287	60.147	ng	0.00
79) Terphenyl-d14	20.080	244	2907541	55.491	ng	0.00
Target Compounds						Qvalue

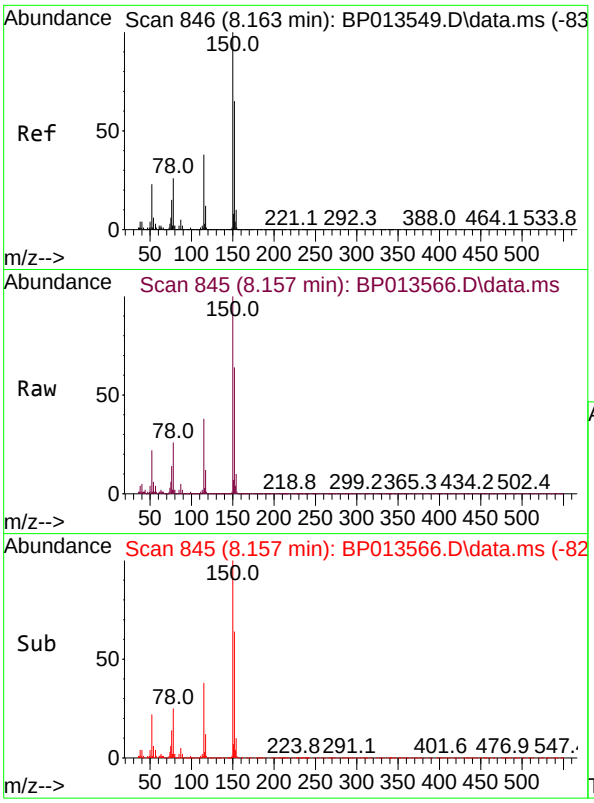
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013566.D
Acq On : 24 Jan 2023 12:17
Operator : CG/JU
Sample : 01232-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-17B

Quant Time: Jan 25 03:46:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration



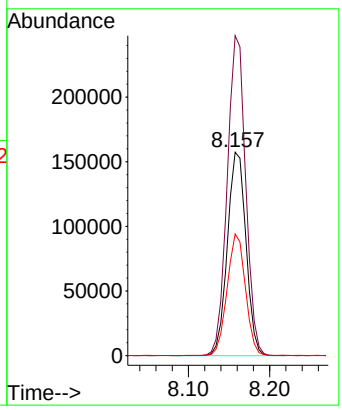


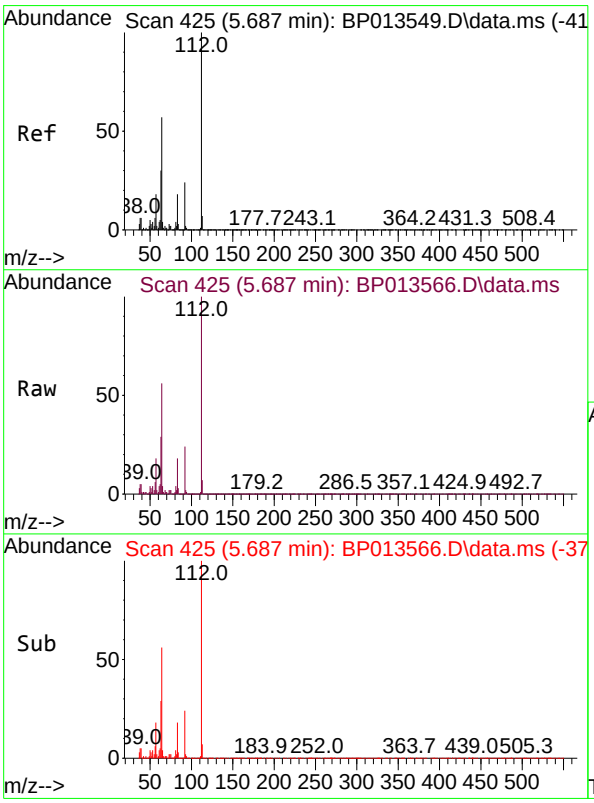
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.157 min Scan# 84
Delta R.T. -0.007 min
Lab File: BP013566.D
Acq: 24 Jan 2023 12:17

Instrument :
BNA_P
ClientSampleId :
B-P-17B

Tgt Ion:152 Resp: 250560

Ion	Ratio	Lower	Upper
152	100		
150	157.3	122.4	183.6
115	59.9	46.1	69.1

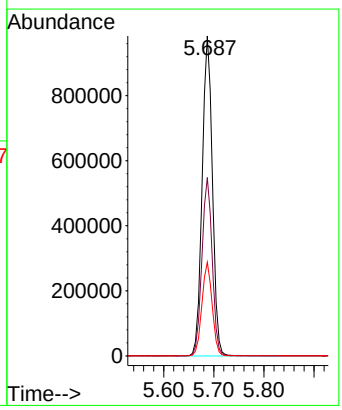


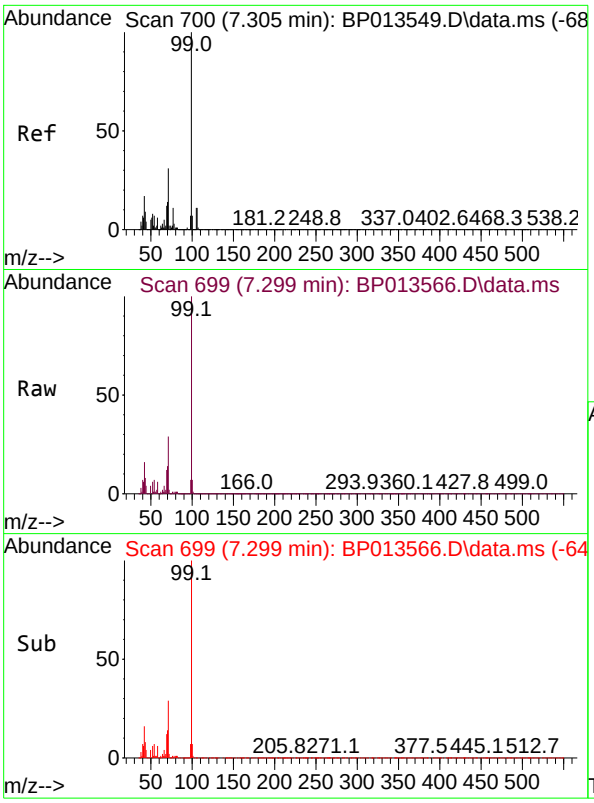


#5
2-Fluorophenol
Concen: 95.648 ng
RT: 5.687 min Scan# 425
Delta R.T. -0.000 min
Lab File: BP013566.D
Acq: 24 Jan 2023 12:17

Tgt Ion:112 Resp: 1398755

Ion	Ratio	Lower	Upper
112	100		
64	55.7	45.4	68.0
63	29.3	24.1	36.1



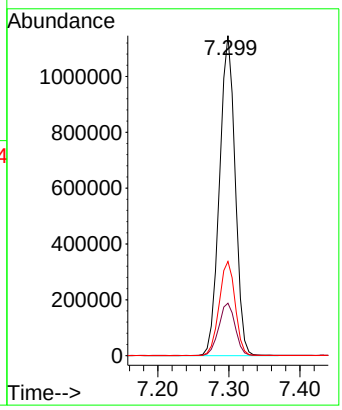


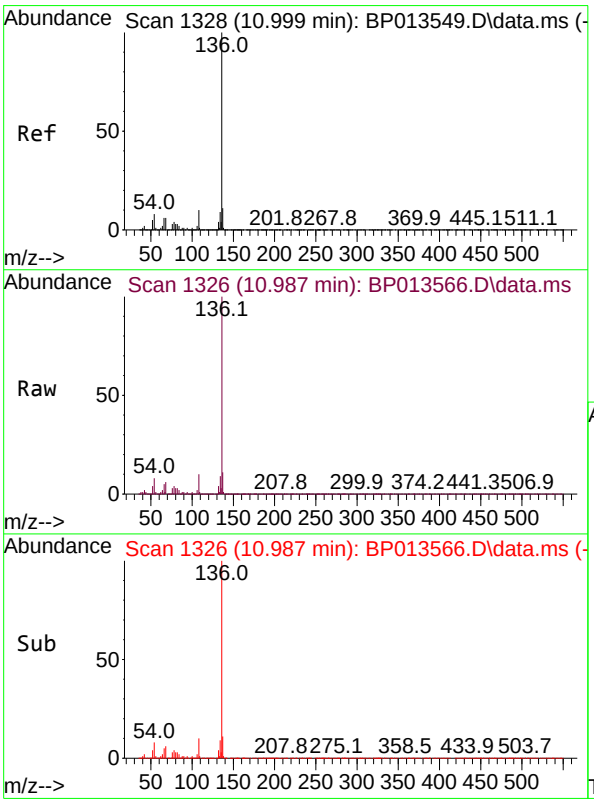
#7
Phenol-d6
Concen: 89.297 ng
RT: 7.299 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP013566.D
Acq: 24 Jan 2023 12:17

Instrument :
BNA_P
ClientSampleId :
B-P-17B

Tgt Ion: 99 Resp: 1757532

Ion	Ratio	Lower	Upper
99	100		
42	16.4	14.0	21.0
71	29.4	24.7	37.1

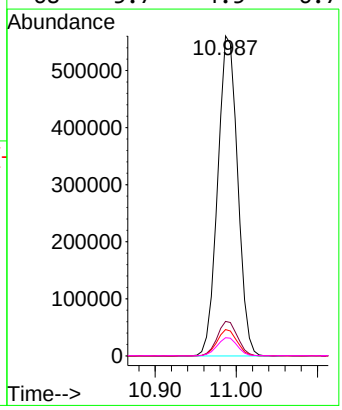


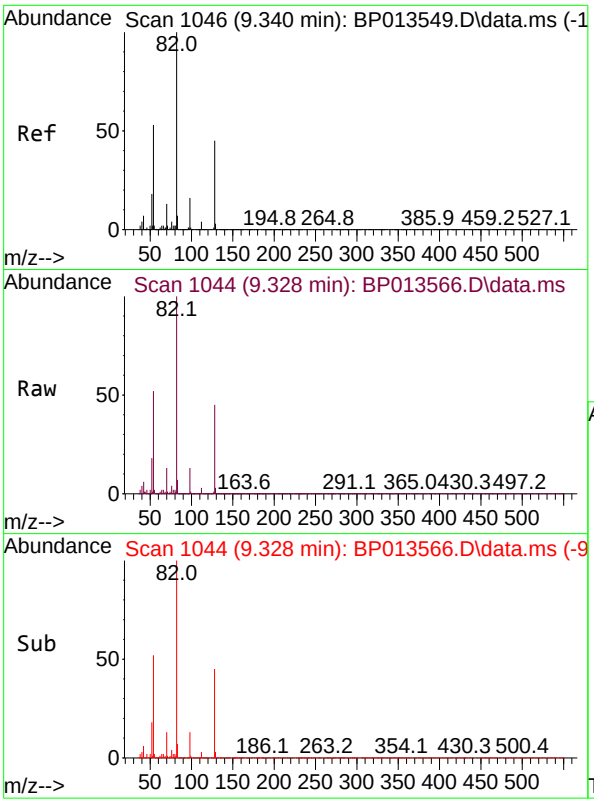


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.987 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP013566.D
Acq: 24 Jan 2023 12:17

Tgt Ion:136 Resp: 955341

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	8.2	6.6	9.8
68	5.7	4.5	6.7



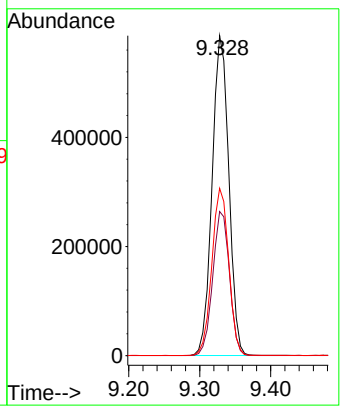


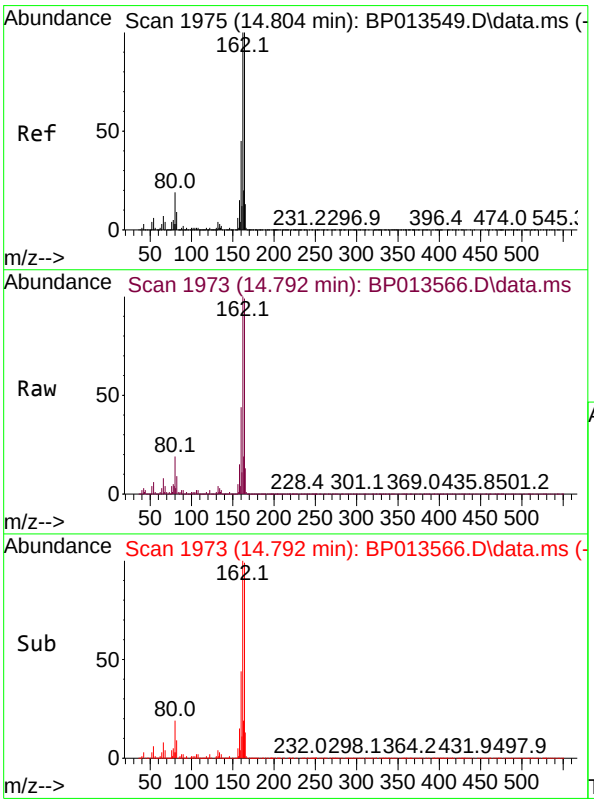
#23
Nitrobenzene-d5
Concen: 66.392 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013566.D
Acq: 24 Jan 2023 12:17

Instrument :
BNA_P
ClientSampleId :
B-P-17B

Tgt Ion: 82 Resp: 960769

Ion	Ratio	Lower	Upper
82	100		
128	45.0	35.8	53.6
54	52.3	42.6	64.0

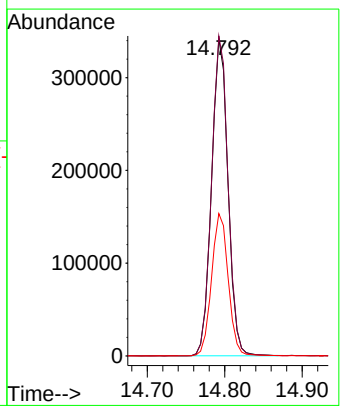


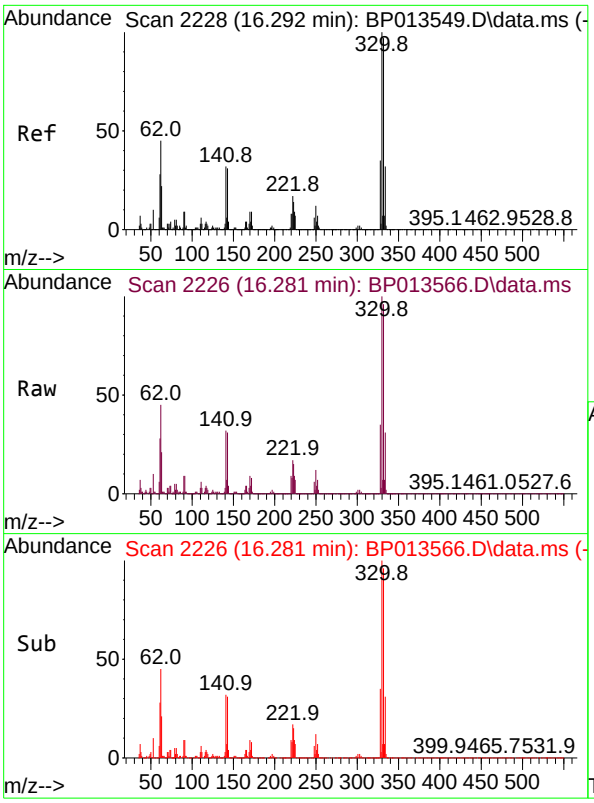


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.792 min Scan# 1973
Delta R.T. -0.006 min
Lab File: BP013566.D
Acq: 24 Jan 2023 12:17

Tgt Ion:164 Resp: 503514

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.1	120.1
160	44.9	35.9	53.9



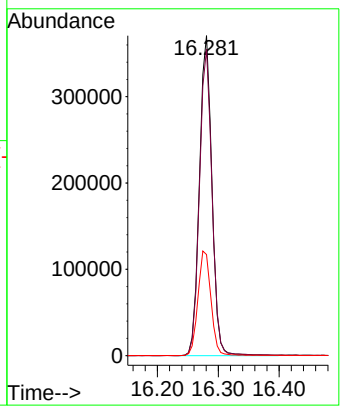


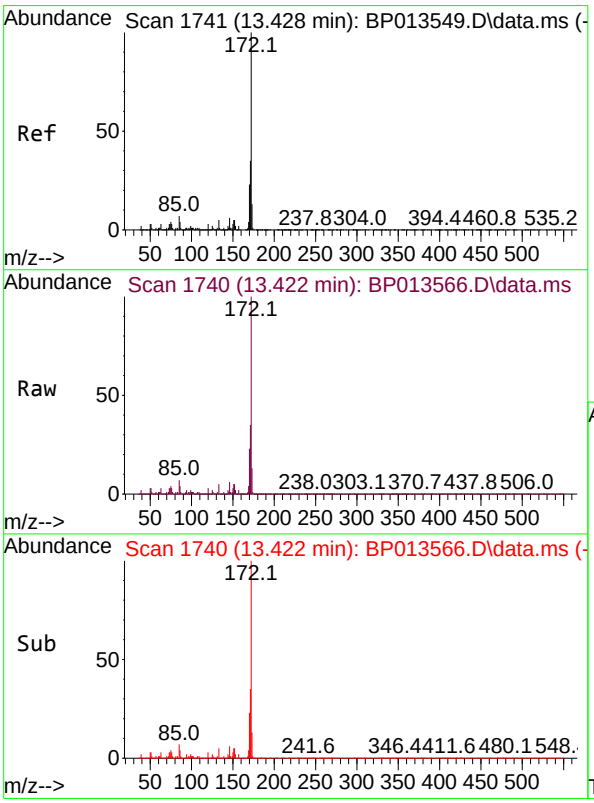
#42
2,4,6-Tribromophenol
Concen: 104.235 ng
RT: 16.281 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP013566.D
Acq: 24 Jan 2023 12:17

Instrument :
BNA_P
ClientSampleId :
B-P-17B

Tgt Ion:330 Resp: 526437

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	34.2	27.6	41.4

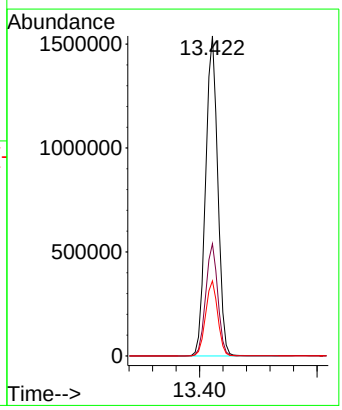


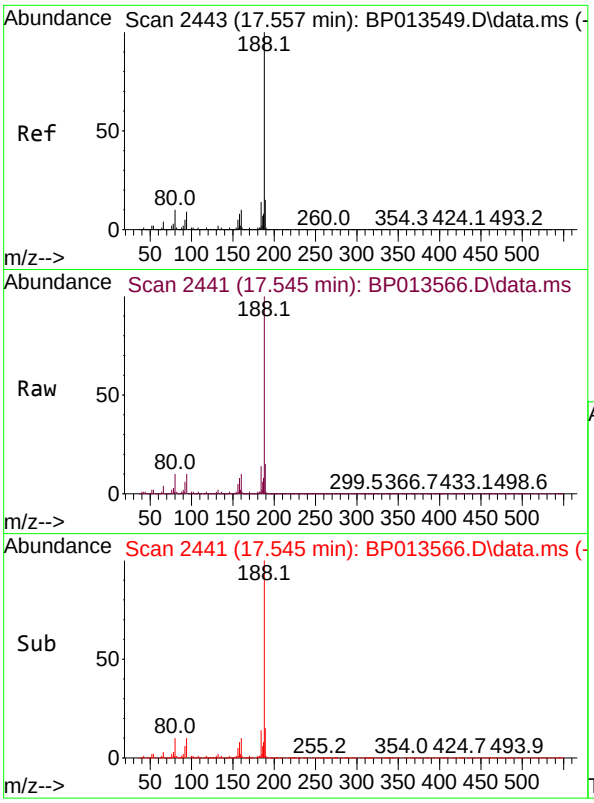


#45
2-Fluorobiphenyl
Concen: 60.147 ng
RT: 13.422 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BP013566.D
Acq: 24 Jan 2023 12:17

Tgt Ion:172 Resp: 2206287

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.8
170	23.4	18.6	27.8



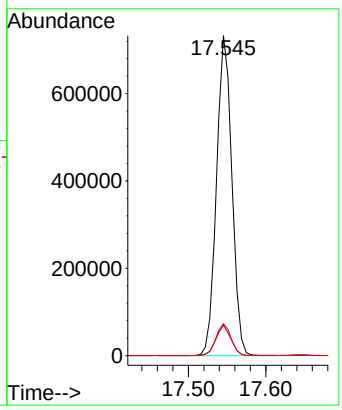


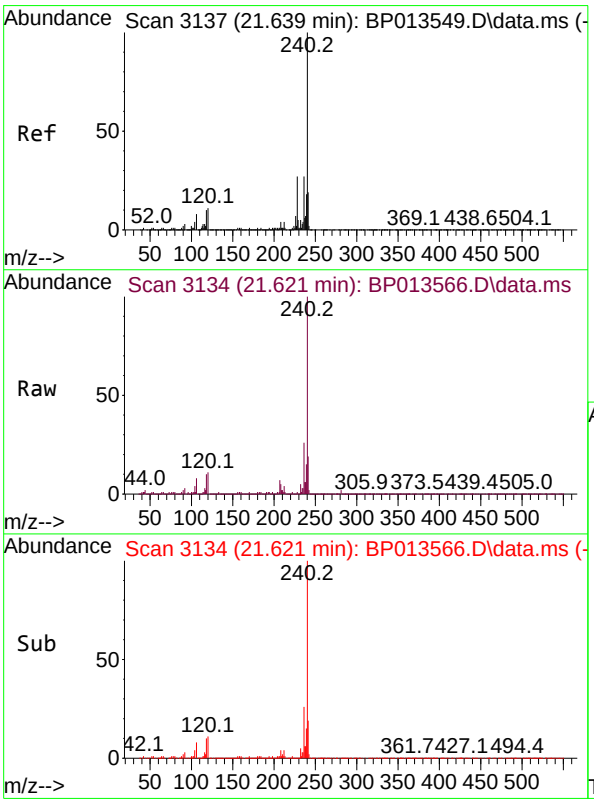
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.545 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP013566.D
Acq: 24 Jan 2023 12:17

Instrument :
BNA_P
ClientSampleId :
B-P-17B

Tgt Ion:188 Resp: 1009562

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.2	10.8
80	10.0	8.2	12.2

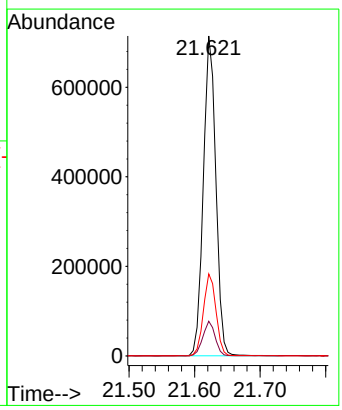


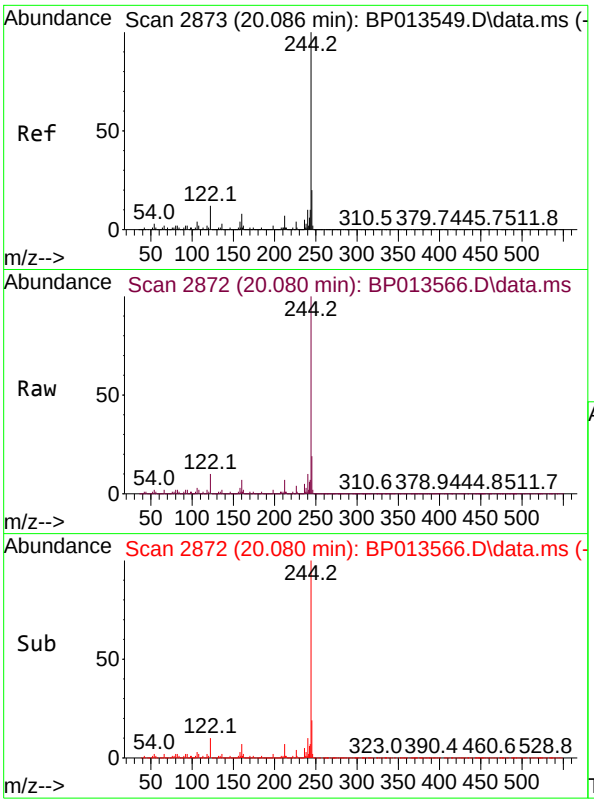


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.621 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BP013566.D
Acq: 24 Jan 2023 12:17

Tgt Ion:240 Resp: 942607

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	25.6	21.3	31.9



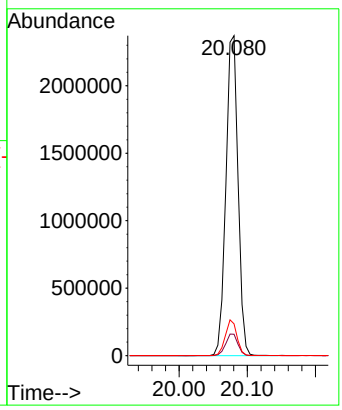


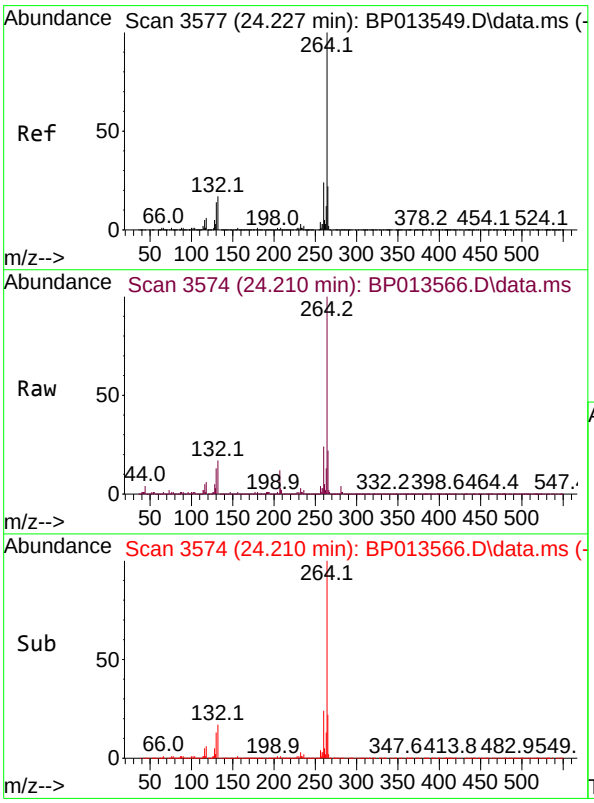
#79
Terphenyl-d14
Concen: 55.491 ng
RT: 20.080 min Scan# 28
Delta R.T. -0.000 min
Lab File: BP013566.D
Acq: 24 Jan 2023 12:17

Instrument :
BNA_P
ClientSampleId :
B-P-17B

Tgt Ion:244 Resp: 2907541

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	9.9	9.2	13.8

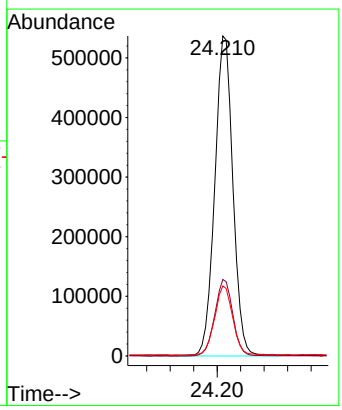




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.210 min Scan# 3574
Delta R.T. -0.006 min
Lab File: BP013566.D
Acq: 24 Jan 2023 12:17

Tgt Ion:264 Resp: 1148374

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	21.9	17.4	26.2



Sample Results: **BP013566.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013566.D
Acq On : 24 Jan 2023 12:17
Operator : CG/JU
Sample : 01232-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-17B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP013566.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.222	3	6	21	rVB	1503619	1732294	22.79%	3.545%
2	5.216	339	345	353	rVB	1387188	1869100	24.59%	3.825%
3	5.687	417	425	437	rBV	3274810	4673777	61.50%	9.564%
4	7.299	690	699	709	rBV	3017974	4737650	62.34%	9.695%
5	8.157	838	845	852	rBV	916921	1438510	18.93%	2.944%
6	9.328	1036	1044	1052	rBV	1736067	2877742	37.86%	5.889%
7	10.987	1319	1326	1334	rBV	1108524	1915989	25.21%	3.921%
8	13.422	1732	1740	1749	rBV	4352377	6256609	82.32%	12.803%
9	14.792	1967	1973	1984	rVB	1458927	2184698	28.75%	4.471%
10	16.145	2198	2203	2209	rBV	104267	142975	1.88%	0.293%
11	16.281	2219	2226	2239	rBV	2731020	4099996	53.95%	8.390%
12	17.545	2434	2441	2450	rBV	1747263	2422748	31.88%	4.958%
13	18.404	2582	2587	2598	rBV	310376	519899	6.84%	1.064%
14	19.627	2790	2795	2807	rBV2	131630	240093	3.16%	0.491%
15	20.074	2866	2871	2881	rBV	6133113	7600021	100.00%	15.552%
16	21.298	3075	3079	3088	rBV	332167	462170	6.08%	0.946%
17	21.621	3129	3134	3140	rBV	1975205	2622544	34.51%	5.367%
18	24.210	3567	3574	3585	rVB2	1443581	3071028	40.41%	6.284%

Sum of corrected areas: 48867843

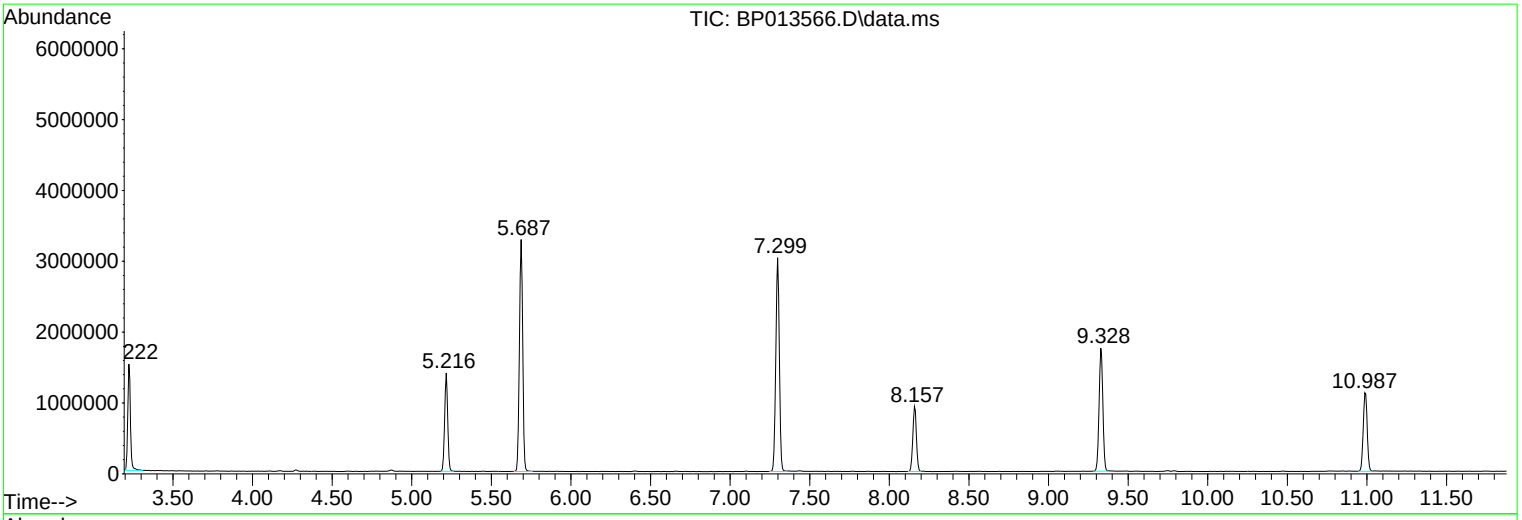
Sample Results: **BP013566.D**

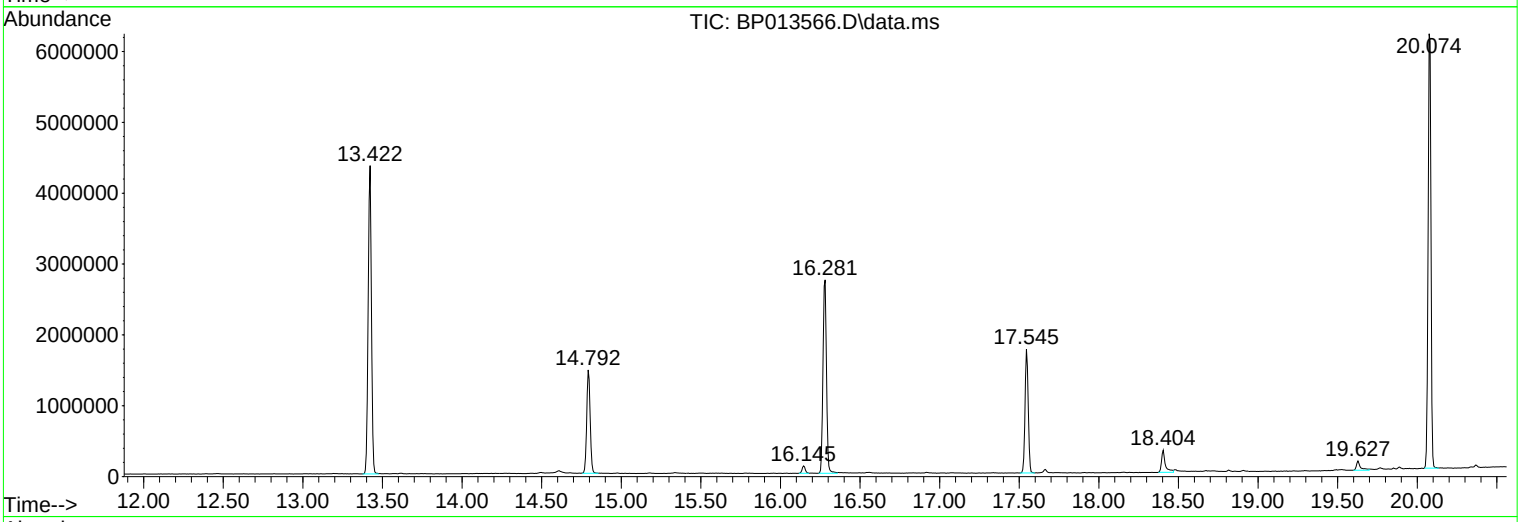
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013566.D
Acq On : 24 Jan 2023 12:17
Operator : CG/JU
Sample : 01232-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

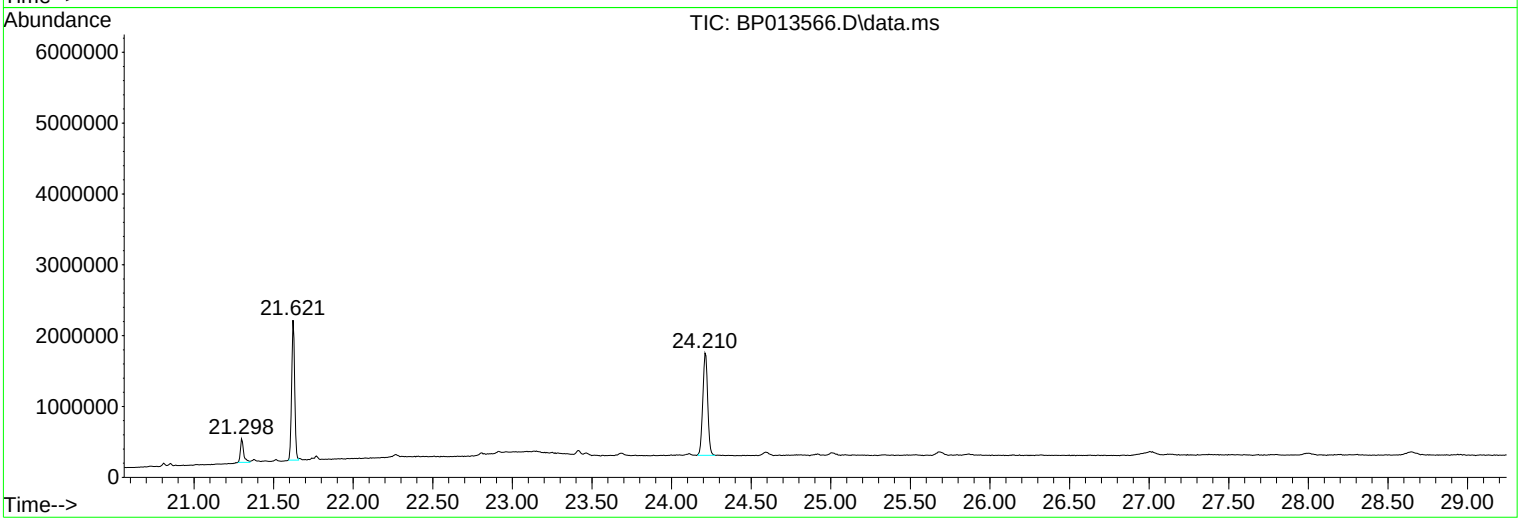
Instrument :
BNA_P
ClientSampleId :
B-P-17B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013566.D
Acq On : 24 Jan 2023 12:17
Operator : CG/JU
Sample : 01232-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-17B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

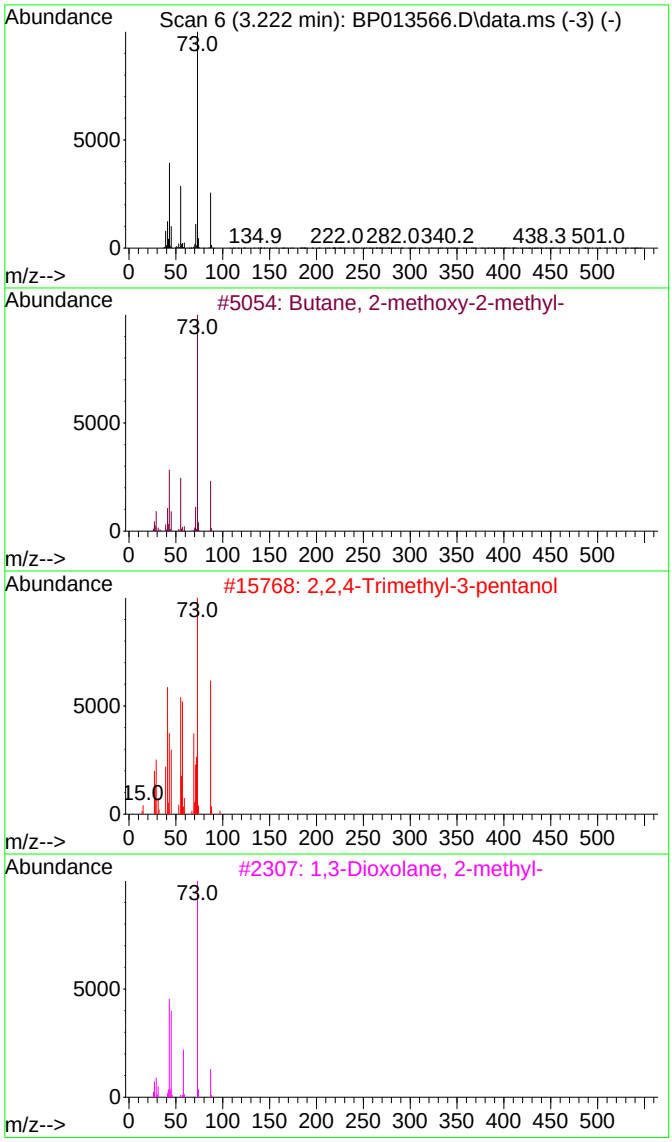
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

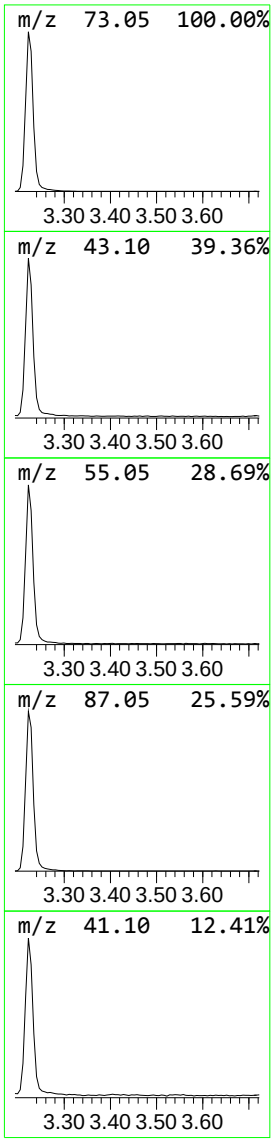
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.222	24.08 ng	1732290	1,4-Dichlorobenzene-d4	8.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013566.D
Acq On : 24 Jan 2023 12:17
Operator : CG/JU
Sample : 01232-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-17B

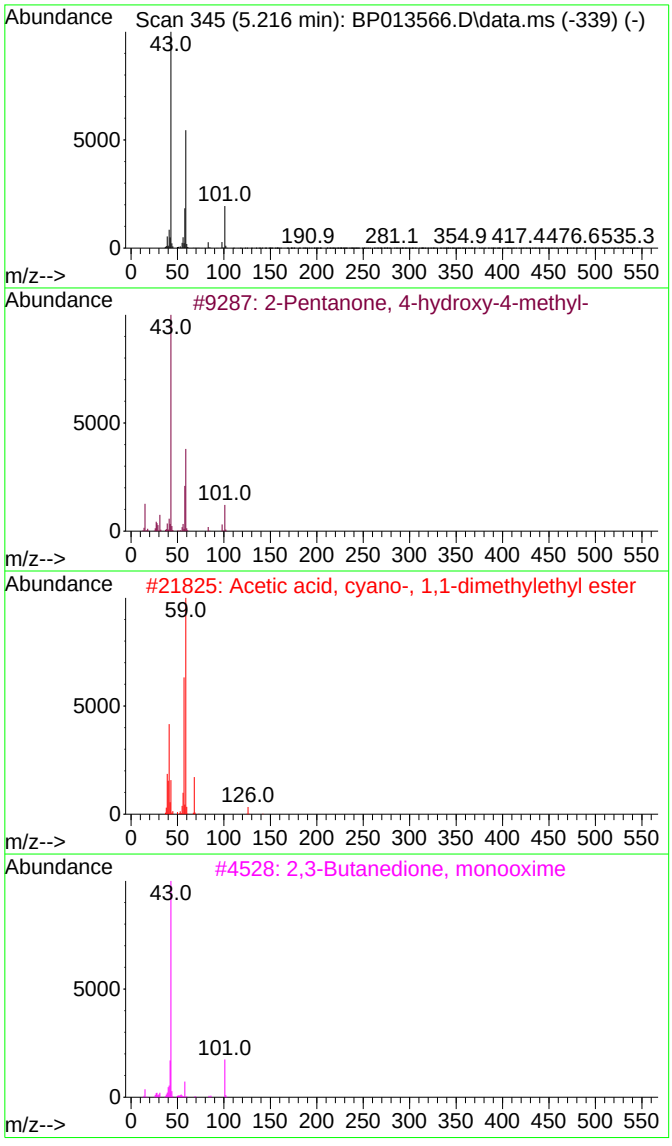
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

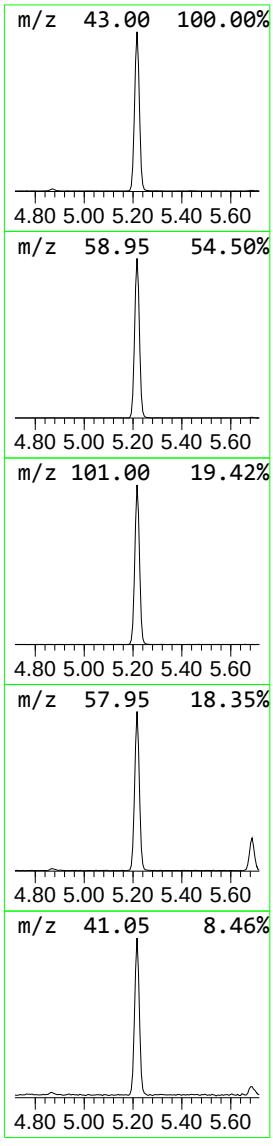
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.216	25.99 ng	1869100	1,4-Dichlorobenzene-d4	8.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013566.D
Acq On : 24 Jan 2023 12:17
Operator : CG/JU
Sample : 01232-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-17B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

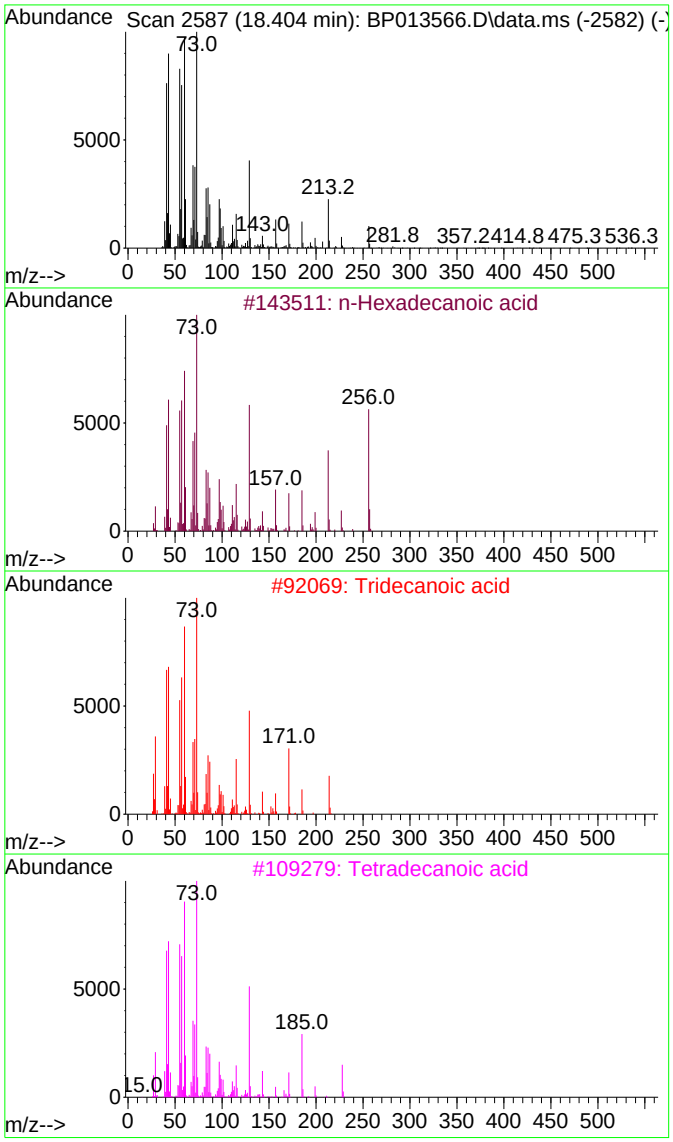
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

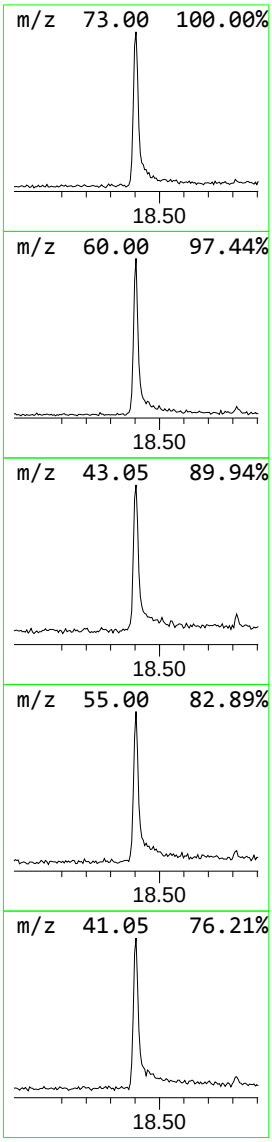
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.404	4.29 ng	519899	Phenanthrene-d10	17.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	87
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013566.D
Acq On : 24 Jan 2023 12:17
Operator : CG/JU
Sample : 01232-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-17B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

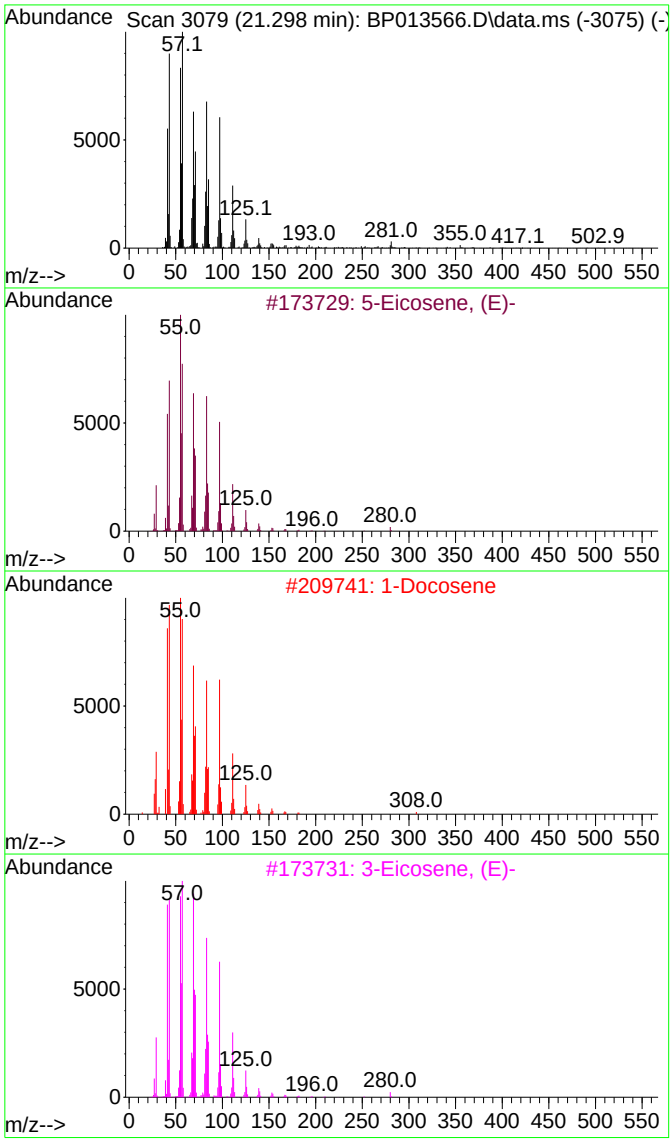
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

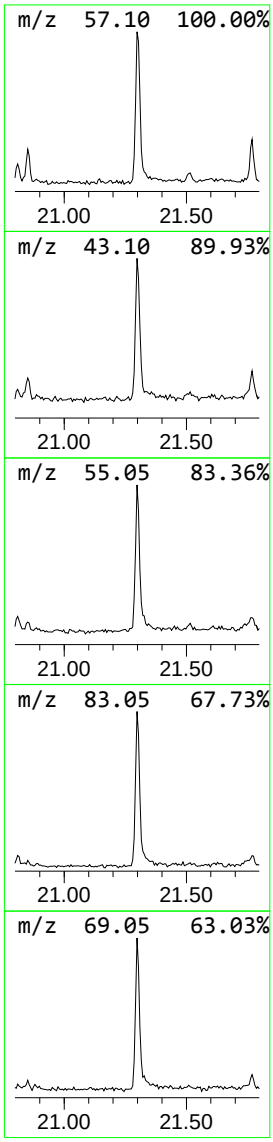
****

Peak Number 4 5-Eicosene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.298	3.52 ng	462170	Chrysene-d12	21.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	1-Docosene	308	C22H44	001599-67-3	95
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	94
4	1-Hexacosene	364	C26H52	018835-33-1	94
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013566.D
Acq On : 24 Jan 2023 12:17
Operator : CG/JU
Sample : 01232-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-17B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.222	24.1	ng	1732290	1	8.157	1438510	20.0
2-Pentanone, 4-...	5.216	26.0	ng	1869100	1	8.157	1438510	20.0
n-Hexadecanoic ...	18.404	4.3	ng	519899	4	17.545	2422750	20.0
5-Eicosene, (E)-	21.298	3.5	ng	462170	5	21.621	2622540	20.0

Raw Data: **BP013586.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P18A	SDG No.:	O1232
Lab Sample ID:	O1232-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013586.D	1	01/20/23 12:30	01/24/23 23:52	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	380	ug/Kg
108-95-2	Phenol	77.2	U	77.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.5	U	91.5	190	ug/Kg
95-57-8	2-Chlorophenol	77.8	U	77.8	190	ug/Kg
95-48-7	2-Methylphenol	120	U	120	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	190	ug/Kg
98-86-2	Acetophenone	91.3	U	91.3	190	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.7	U	86.7	91.2	ug/Kg
67-72-1	Hexachloroethane	84.0	U	84.0	190	ug/Kg
98-95-3	Nitrobenzene	84.2	U	84.2	190	ug/Kg
78-59-1	Isophorone	75.9	U	75.9	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	190	ug/Kg
120-83-2	2,4-Dichlorophenol	93.1	U	93.1	190	ug/Kg
91-20-3	Naphthalene	84.2	U	84.2	190	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	190	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	190	ug/Kg
105-60-2	Caprolactam	110	U	110	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.7	U	89.7	190	ug/Kg
91-57-6	2-Methylnaphthalene	85.5	U	85.5	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	97.3	U	97.3	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	95.3	U	95.3	190	ug/Kg
92-52-4	1,1-Biphenyl	98.6	U	98.6	190	ug/Kg
91-58-7	2-Chloronaphthalene	97.5	U	97.5	190	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	190	ug/Kg
131-11-3	Dimethylphthalate	92.2	U	92.2	190	ug/Kg
208-96-8	Acenaphthylene	78.3	U	78.3	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.0	U	89.0	190	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P18A	SDG No.:	O1232
Lab Sample ID:	O1232-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013586.D	1	01/20/23 12:30	01/24/23 23:52	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	120	U	120	190	ug/Kg
83-32-9	Acenaphthene	89.9	U	89.9	190	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	380	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	380	ug/Kg
132-64-9	Dibenzofuran	84.6	U	84.6	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	96.4	U	96.4	190	ug/Kg
84-66-2	Diethylphthalate	91.8	U	91.8	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	190	ug/Kg
86-73-7	Fluorene	89.8	U	89.8	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	98.3	U	98.3	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.7	U	93.7	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	190	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	380	ug/Kg
85-01-8	Phenanthrene	95.3	U	95.3	190	ug/Kg
120-12-7	Anthracene	95.7	U	95.7	190	ug/Kg
86-74-8	Carbazole	96.0	U	96.0	190	ug/Kg
84-74-2	Di-n-butylphthalate	99.2	U	99.2	190	ug/Kg
206-44-0	Fluoranthene	91.0	U	91.0	190	ug/Kg
129-00-0	Pyrene	84.6	U	84.6	190	ug/Kg
85-68-7	Butylbenzylphthalate	94.3	U	94.3	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	380	ug/Kg
56-55-3	Benzo(a)anthracene	98.9	U	98.9	190	ug/Kg
218-01-9	Chrysene	97.5	U	97.5	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	78.6	U	78.6	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	83.9	U	83.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	77.2	U	77.2	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	190	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P18A	SDG No.:	O1232
Lab Sample ID:	O1232-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013586.D	1	01/20/23 12:30	01/24/23 23:52	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	110	U	110	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	190	ug/Kg
123-91-1	1,4-Dioxane	100	U	100	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	92.6	U	92.6	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	93.1		18 - 112	62%	SPK: 150
13127-88-3	Phenol-d6	88.9		21 - 104	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.4		27 - 109	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.4		30 - 103	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	114		10 - 121	76%	SPK: 150
1718-51-0	Terphenyl-d14	66.3		21 - 107	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	400000	8.158			
1146-65-2	Naphthalene-d8	1630000	10.987			
15067-26-2	Acenaphthene-d10	968000	14.792			
1517-22-2	Phenanthrene-d10	2090000	17.545			
1719-03-5	Chrysene-d12	1480000	21.622			
1520-96-3	Perylene-d12	1450000	24.204			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	790	J		3.22	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	920	AB		5.22	ug/Kg
000108-38-3	Benzene, 1,3-dimethyl-	130	J		5.76	ug/Kg
000057-10-3	n-Hexadecanoic acid	86.2	J		18.4	ug/Kg
959085-66-6	Heptadecyl heptafluorobutyrate	200	J		21.3	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013586.D
Acq On : 24 Jan 2023 23:52
Operator : CG/JU
Sample : 01232-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-18A

Quant Time: Jan 25 03:53:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	399746	20.000	ng	0.00
21) Naphthalene-d8	10.987	136	1629411	20.000	ng	0.00
39) Acenaphthene-d10	14.792	164	968292	20.000	ng	0.00
64) Phenanthrene-d10	17.545	188	2094748	20.000	ng	0.00
76) Chrysene-d12	21.622	240	1475318	20.000	ng	0.00
86) Perylene-d12	24.204	264	1445620	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	2172897	93.133	ng	0.00
7) Phenol-d6	7.299	99	2791835	88.910	ng	0.00
23) Nitrobenzene-d5	9.328	82	1539806	62.386	ng	0.00
42) 2,4,6-Tribromophenol	16.281	330	1110224	114.310	ng	0.00
45) 2-Fluorobiphenyl	13.422	172	3769481	53.436	ng	0.00
79) Terphenyl-d14	20.075	244	5437131	66.300	ng	0.00
Target Compounds						Qvalue

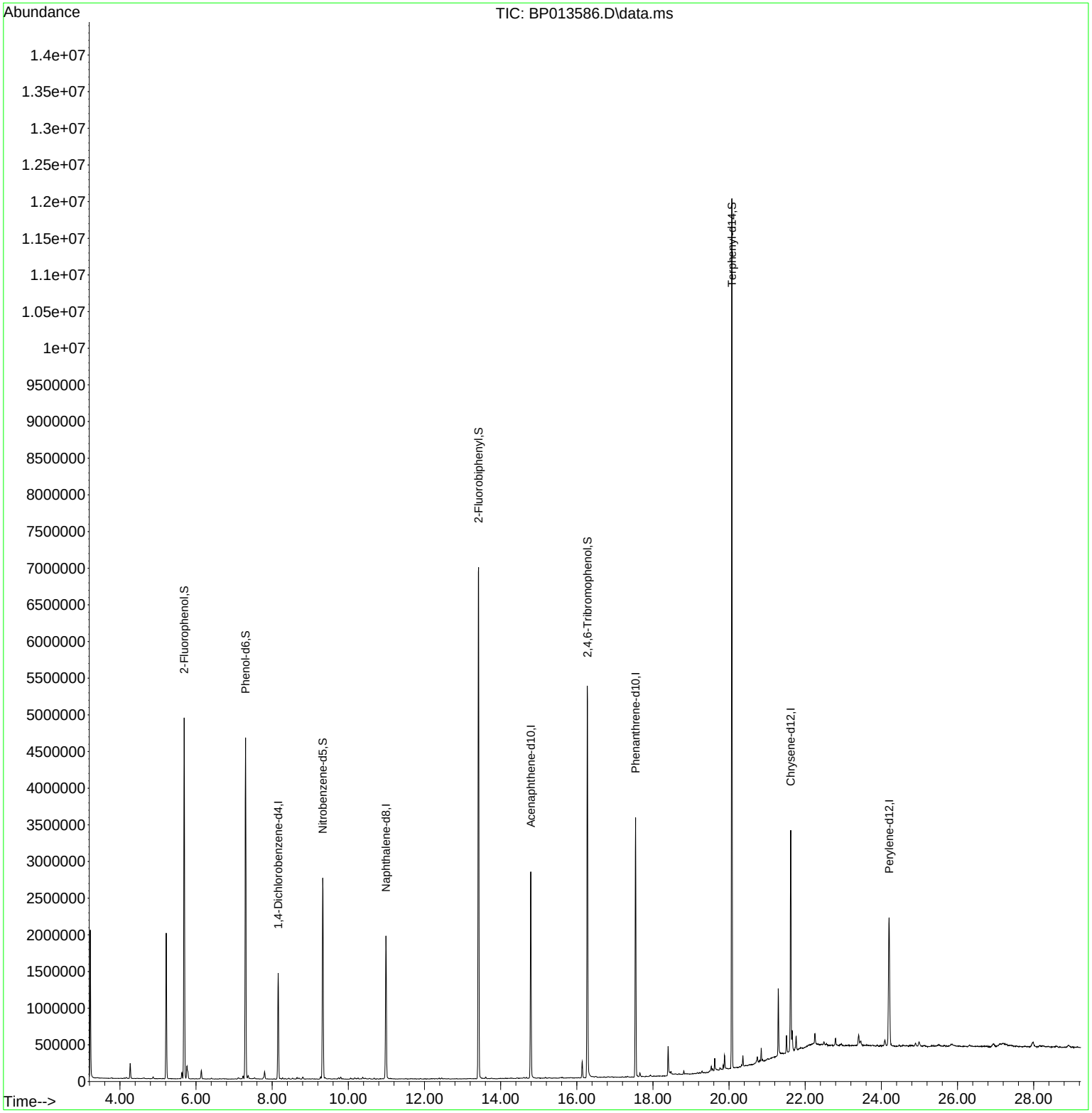
(#) = qualifier out of range (m) = manual integration (+) = signals summed

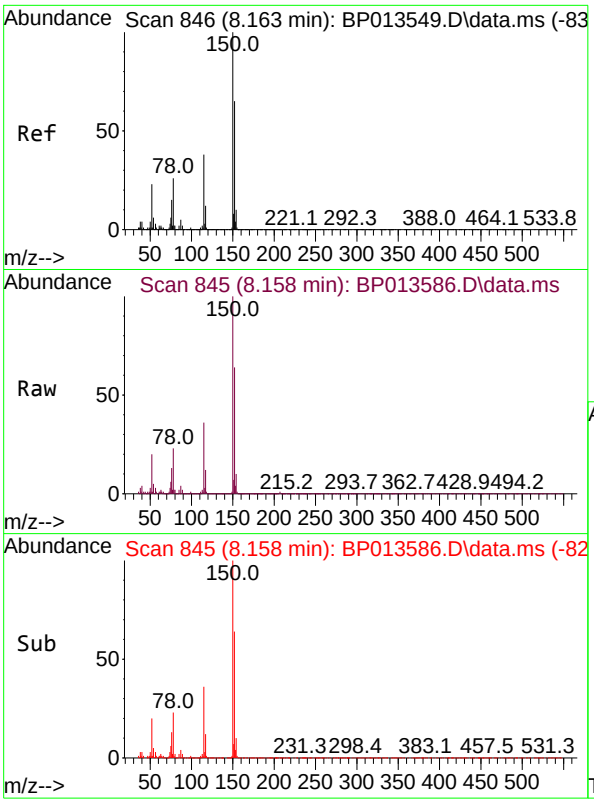
Sample Results: **BP013586.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013586.D
Acq On : 24 Jan 2023 23:52
Operator : CG/JU
Sample : 01232-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-18A

Quant Time: Jan 25 03:53:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration



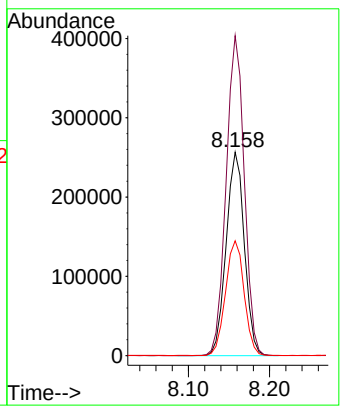


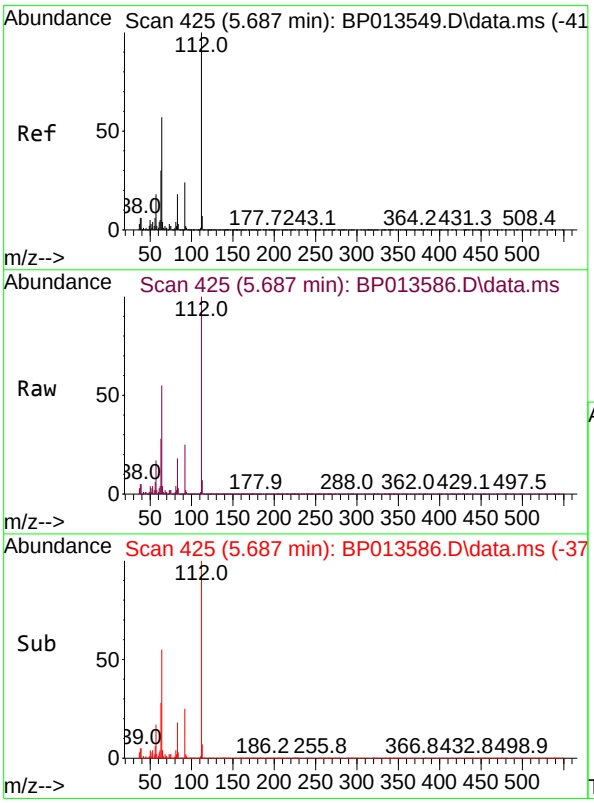
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.158 min Scan# 84
Delta R.T. -0.006 min
Lab File: BP013586.D
Acq: 24 Jan 2023 23:52

Instrument :
BNA_P
ClientSampleId :
B-P-18A

Tgt Ion:152 Resp: 399746

Ion	Ratio	Lower	Upper
152	100		
150	157.3	122.4	183.6
115	56.5	46.1	69.1

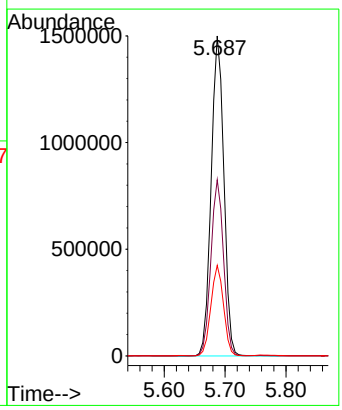


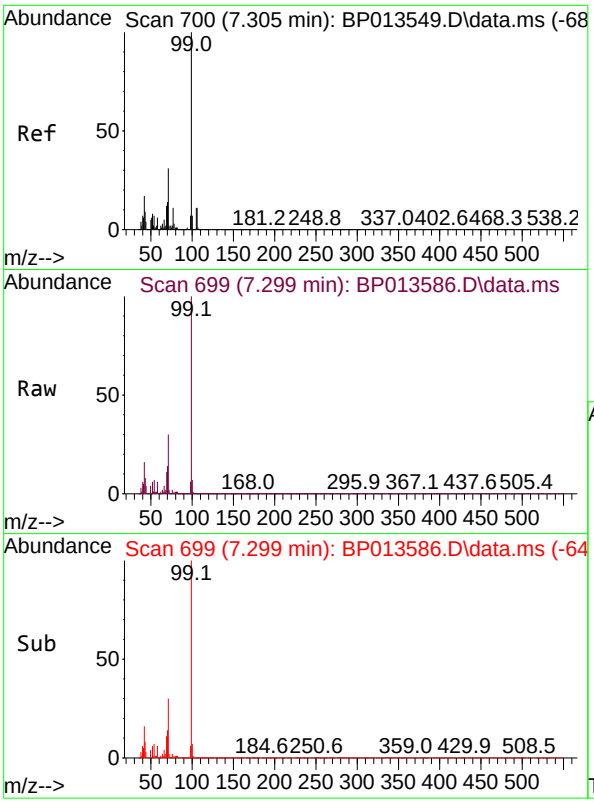


#5
2-Fluorophenol
Concen: 93.133 ng
RT: 5.687 min Scan# 425
Delta R.T. -0.000 min
Lab File: BP013586.D
Acq: 24 Jan 2023 23:52

Tgt Ion:112 Resp: 2172897

Ion	Ratio	Lower	Upper
112	100		
64	55.0	45.4	68.0
63	28.3	24.1	36.1



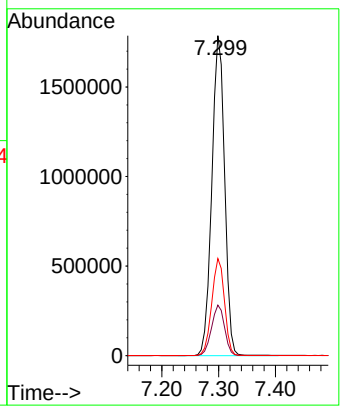


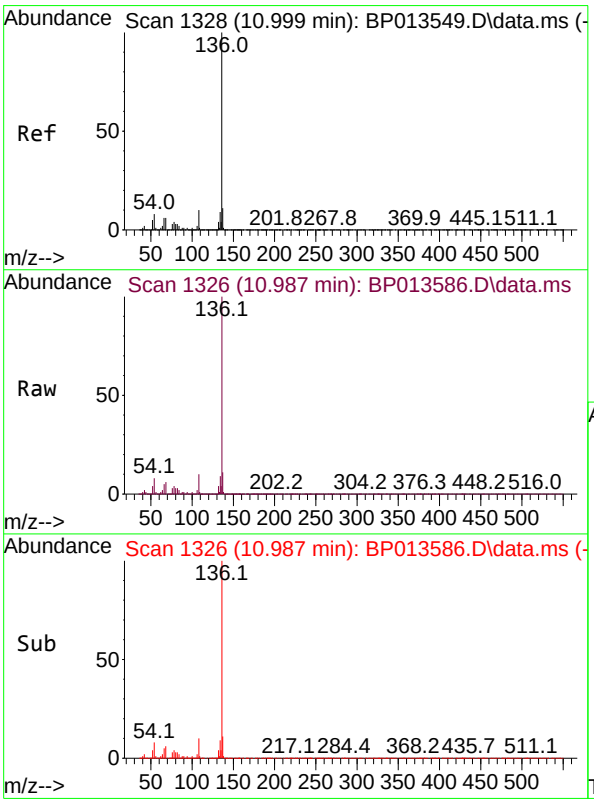
#7
Phenol-d6
Concen: 88.910 ng
RT: 7.299 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP013586.D
Acq: 24 Jan 2023 23:52

Instrument :
BNA_P
ClientSampleId :
B-P-18A

Tgt Ion: 99 Resp: 2791835

Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.0	21.0
71	30.3	24.7	37.1

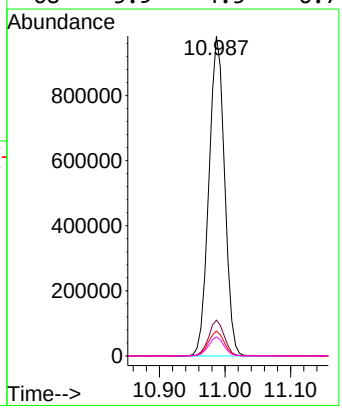


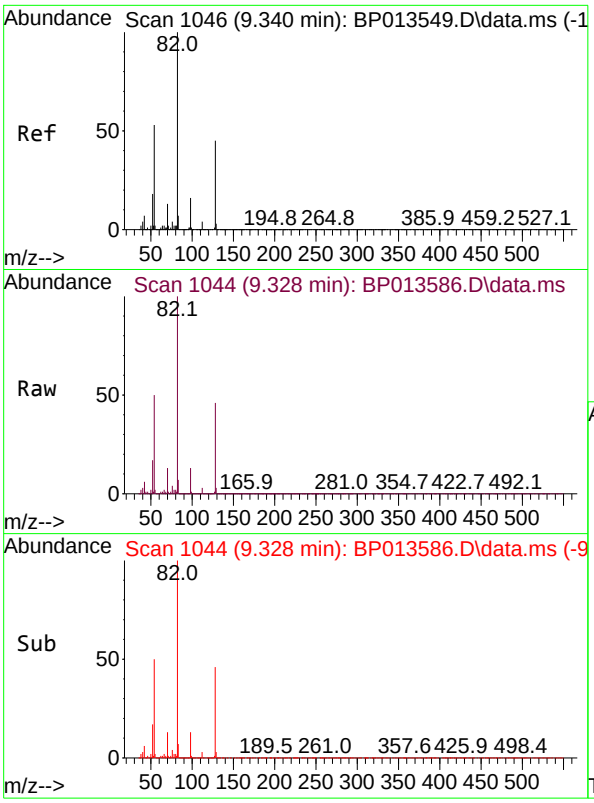


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.987 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP013586.D
Acq: 24 Jan 2023 23:52

Tgt Ion:136 Resp: 1629411

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.7	6.6	9.8
68	5.9	4.5	6.7



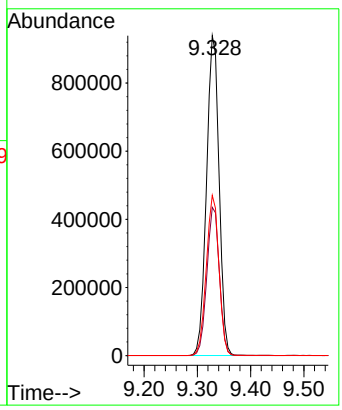


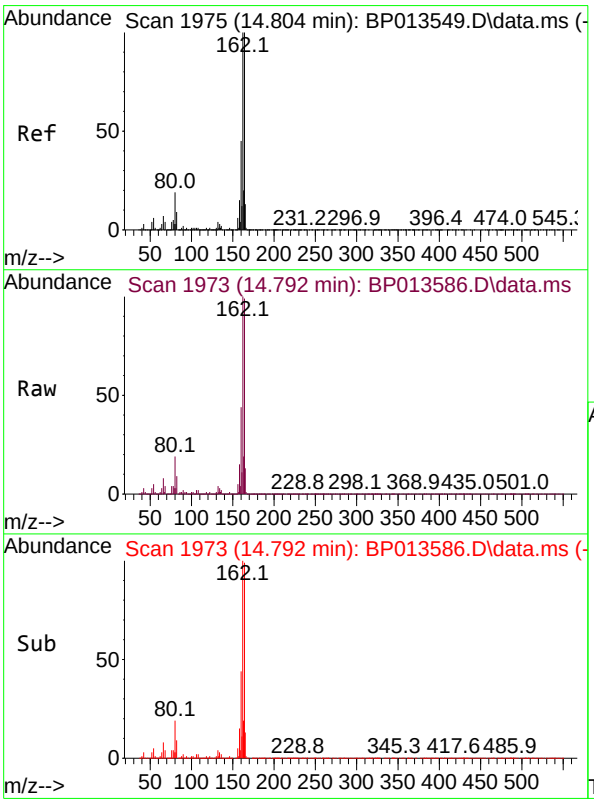
#23
Nitrobenzene-d5
Concen: 62.386 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013586.D
Acq: 24 Jan 2023 23:52

Instrument :
BNA_P
ClientSampleId :
B-P-18A

Tgt Ion: 82 Resp: 1539806

Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.8	53.6
54	50.1	42.6	64.0

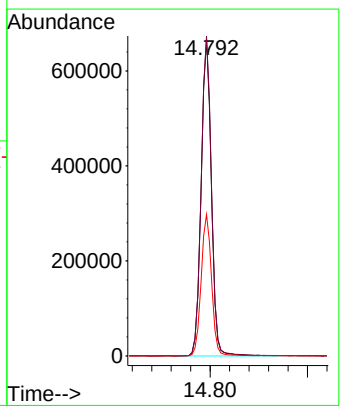


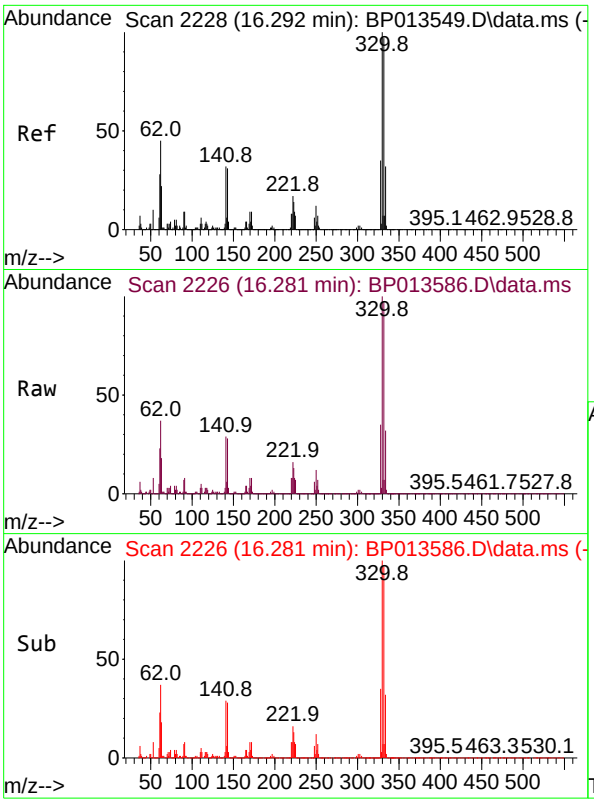


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.792 min Scan# 1973
Delta R.T. -0.006 min
Lab File: BP013586.D
Acq: 24 Jan 2023 23:52

Tgt Ion:164 Resp: 968292

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.1	120.1
160	44.6	35.9	53.9



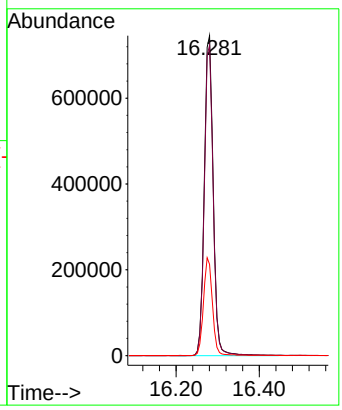


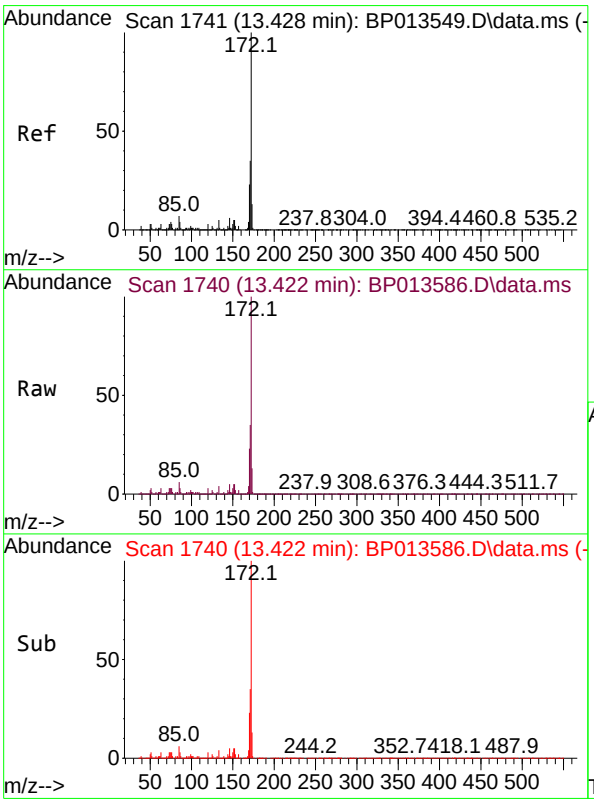
#42
2,4,6-Tribromophenol
Concen: 114.310 ng
RT: 16.281 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP013586.D
Acq: 24 Jan 2023 23:52

Instrument :
BNA_P
ClientSampleId :
B-P-18A

Tgt Ion:330 Resp: 1110224

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.2
141	30.7	27.6	41.4

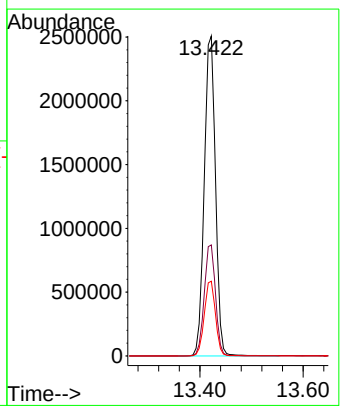


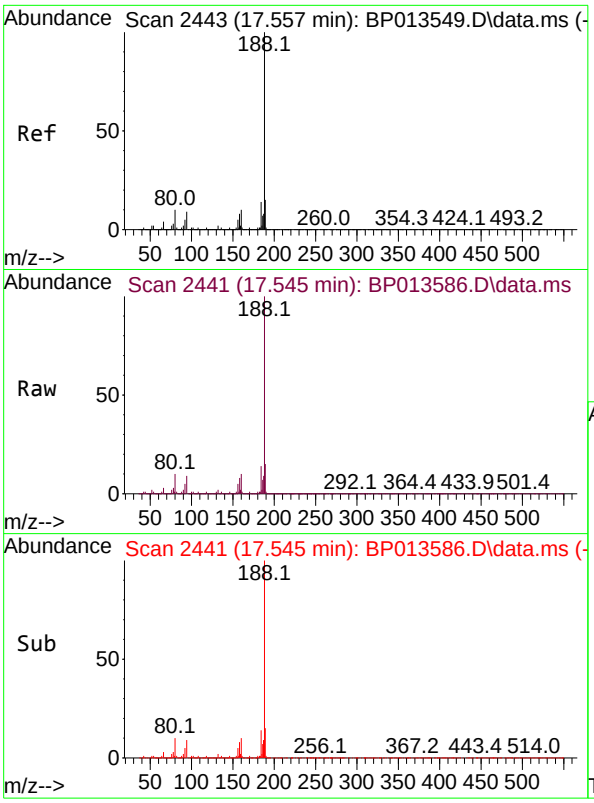


#45
2-Fluorobiphenyl
Concen: 53.436 ng
RT: 13.422 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BP013586.D
Acq: 24 Jan 2023 23:52

Tgt Ion:172 Resp: 3769481

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.8
170	23.3	18.6	27.8



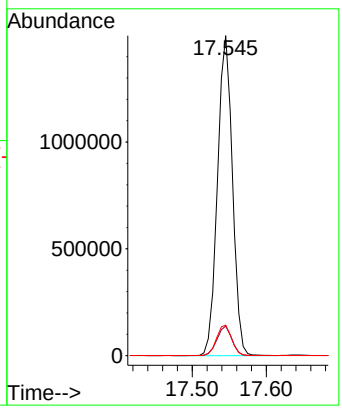


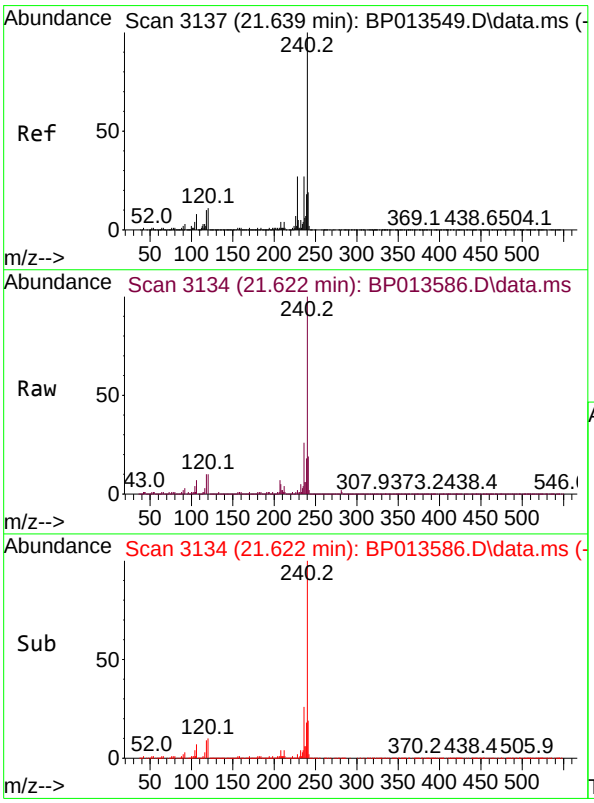
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.545 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP013586.D
Acq: 24 Jan 2023 23:52

Instrument :
BNA_P
ClientSampleId :
B-P-18A

Tgt Ion:188 Resp: 2094748

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	9.5	8.2	12.2

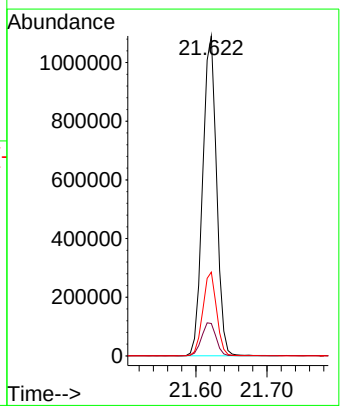


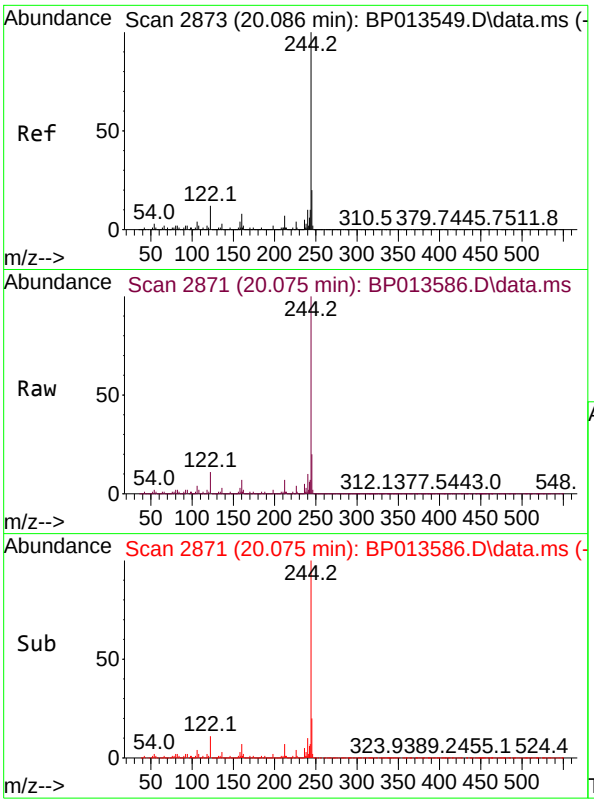


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.622 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BP013586.D
Acq: 24 Jan 2023 23:52

Tgt Ion:240 Resp: 1475318

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.6	13.0
236	26.2	21.3	31.9



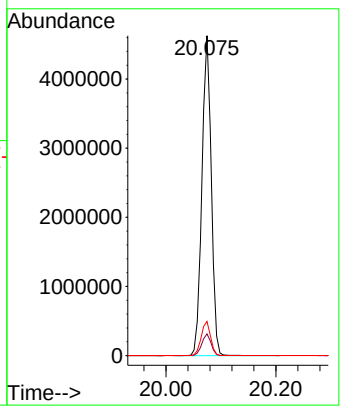


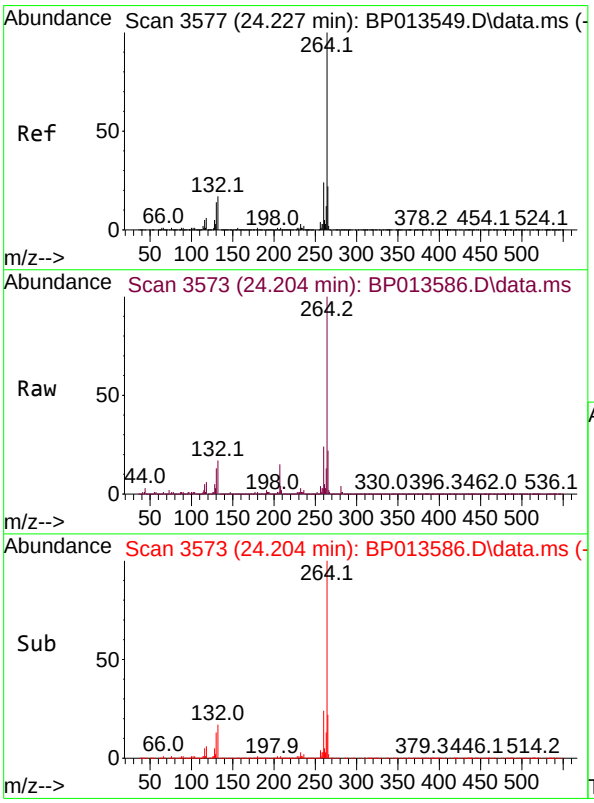
#79
Terphenyl-d14
Concen: 66.300 ng
RT: 20.075 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP013586.D
Acq: 24 Jan 2023 23:52

Instrument :
BNA_P
ClientSampleId :
B-P-18A

Tgt Ion:244 Resp: 5437131

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.7	9.2	13.8

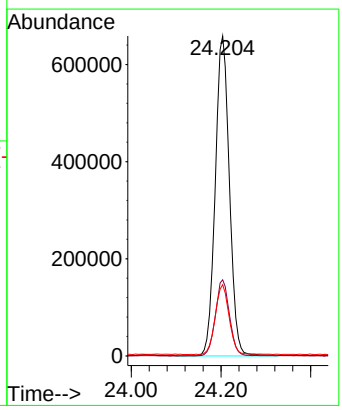




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.204 min Scan# 3573
Delta R.T. -0.012 min
Lab File: BP013586.D
Acq: 24 Jan 2023 23:52

Tgt Ion:264 Resp: 1445620

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	22.2	17.4	26.2



Sample Results: **BP013586.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013586.D
Acq On : 24 Jan 2023 23:52
Operator : CG/JU
Sample : 01232-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-18A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP013586.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.222	3	6	23	rVB	2015216	2375276	16.97%	2.805%
2	4.269	179	184	190	rBV	205578	274714	1.96%	0.324%
3	5.216	339	345	356	rBV	1988208	2763556	19.74%	3.264%
4	5.687	419	425	432	rVV	4922454	7126291	50.90%	8.417%
5	5.764	432	438	449	rVB	174177	386843	2.76%	0.457%
6	6.140	494	502	507	rVB	115347	178331	1.27%	0.211%
7	7.299	692	699	707	rBV	4650173	7383565	52.74%	8.721%
8	7.799	773	784	794	rBV	101157	193019	1.38%	0.228%
9	8.158	836	845	852	rBV	1445051	2283797	16.31%	2.697%
10	9.328	1037	1044	1052	rVB	2730056	4475307	31.97%	5.286%
11	10.987	1315	1326	1340	rBV	1952052	3297084	23.55%	3.894%
12	13.422	1729	1740	1754	rBV	6976049	10593991	75.67%	12.513%
13	14.792	1965	1973	1985	rBV	2814660	4149953	29.64%	4.902%
14	16.145	2197	2203	2208	rBV	221706	325604	2.33%	0.385%
15	16.275	2218	2225	2247	rBV	5344691	8113725	57.96%	9.583%
16	17.545	2434	2441	2447	rBV	3538822	4954520	35.39%	5.852%
17	18.398	2581	2586	2591	rBV	401612	561274	4.01%	0.663%
18	19.622	2790	2794	2801	rBV	172367	244177	1.74%	0.288%
19	19.880	2835	2838	2845	rVB2	180215	237106	1.69%	0.280%
20	20.075	2865	2871	2876	rBV	11864843	13999945	100.00%	16.536%
21	20.363	2917	2920	2925	rVB	142108	152664	1.09%	0.180%
22	20.845	2999	3002	3005	rVB	170323	177663	1.27%	0.210%
23	21.292	3074	3078	3087	rBV	911524	1153702	8.24%	1.363%
24	21.510	3111	3115	3121	rBV	235287	294637	2.10%	0.348%
25	21.622	3127	3134	3138	rBV	3006994	4389213	31.35%	5.184%
26	21.657	3138	3140	3149	rVB	275731	374785	2.68%	0.443%
27	21.763	3155	3158	3163	rVB	179209	214566	1.53%	0.253%
28	22.257	3239	3242	3248	rVB	140933	200810	1.43%	0.237%
29	24.204	3566	3573	3584	rVB2	1743178	3789286	27.07%	4.476%

Sum of corrected areas: 84665404

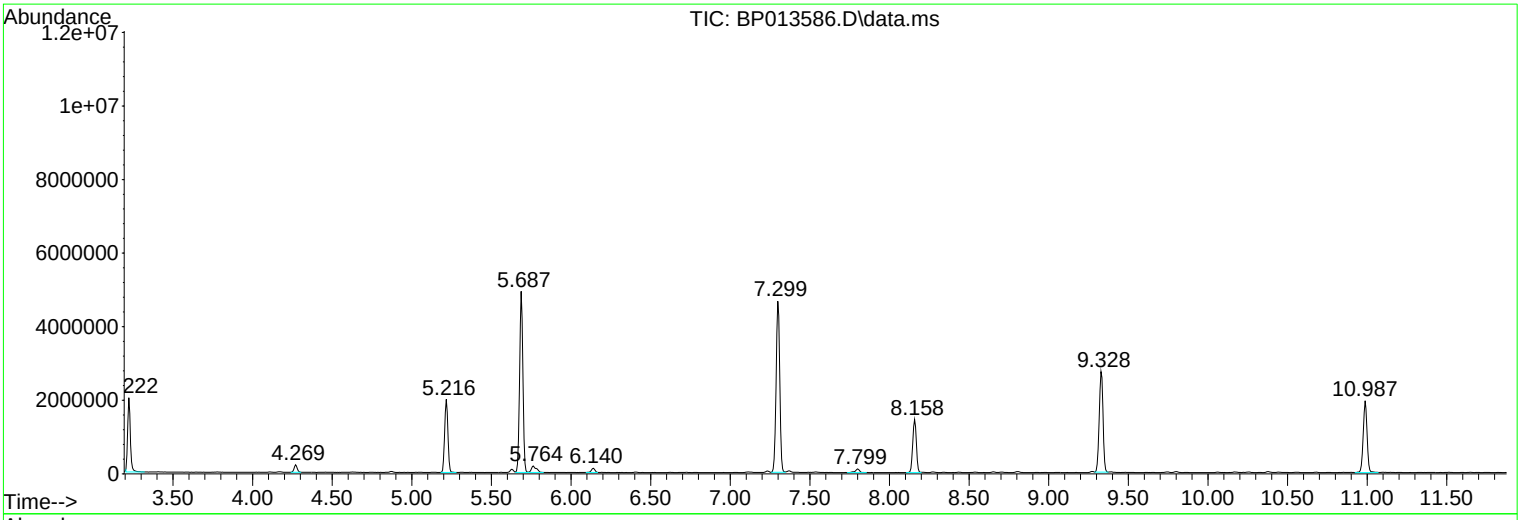
Sample Results: **BP013586.D**

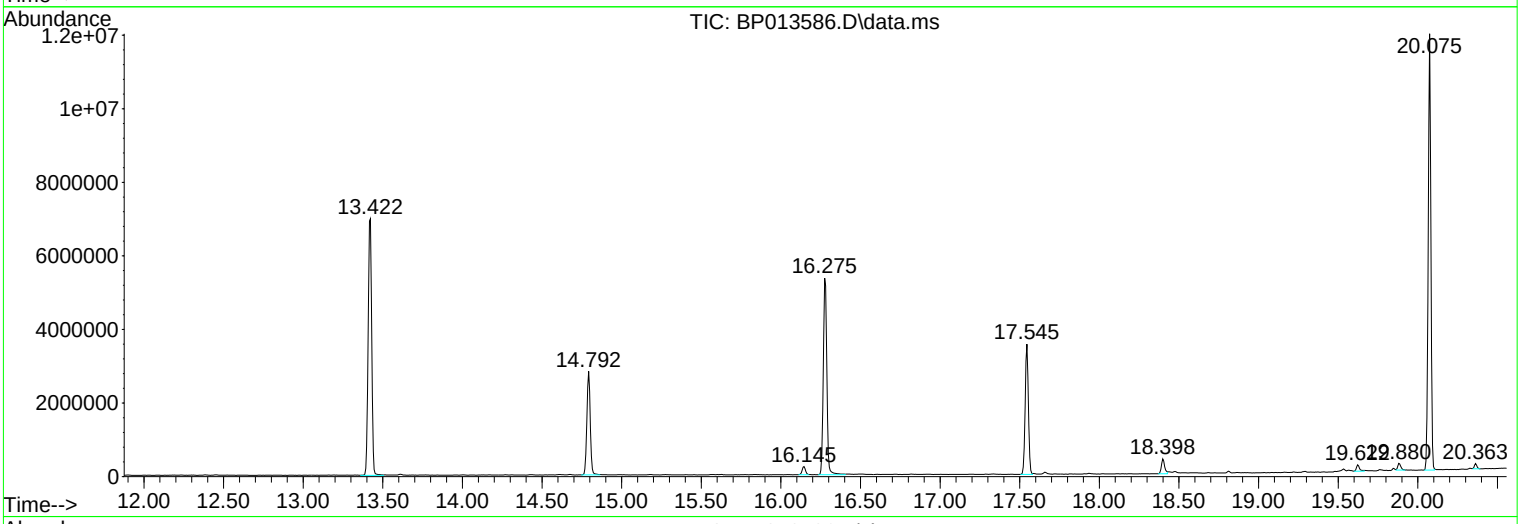
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013586.D
Acq On : 24 Jan 2023 23:52
Operator : CG/JU
Sample : 01232-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

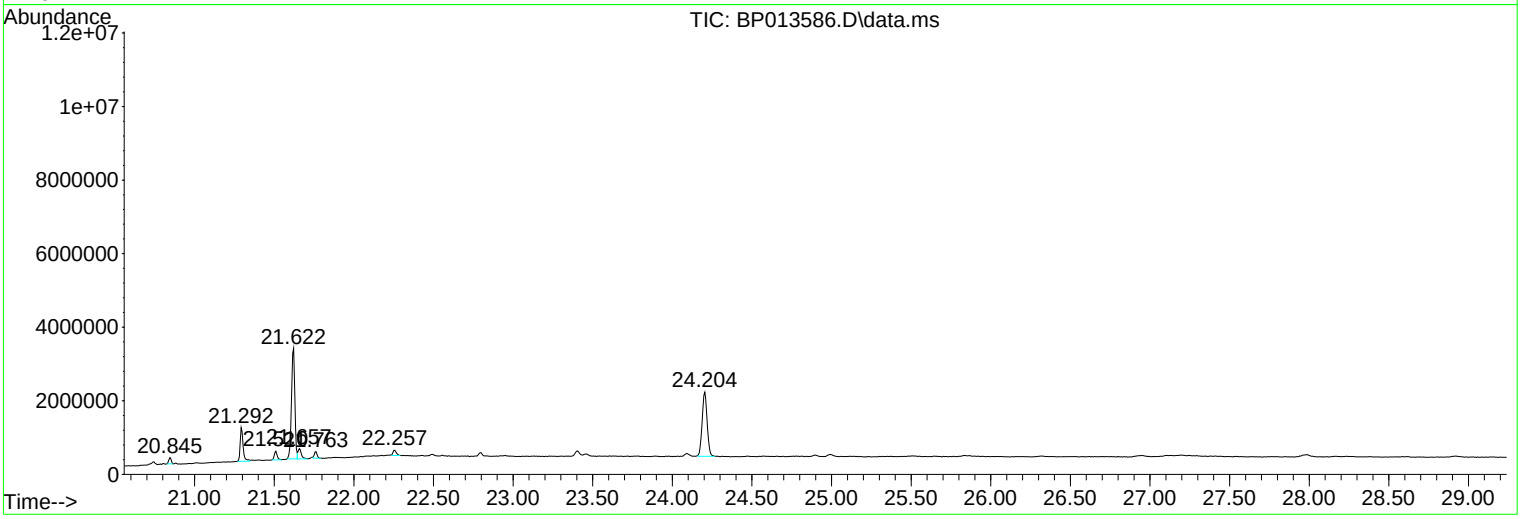
Instrument :
BNA_P
ClientSampleId :
B-P-18A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Sample Results: **BP013586.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013586.D
Acq On : 24 Jan 2023 23:52
Operator : CG/JU
Sample : 01232-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-18A

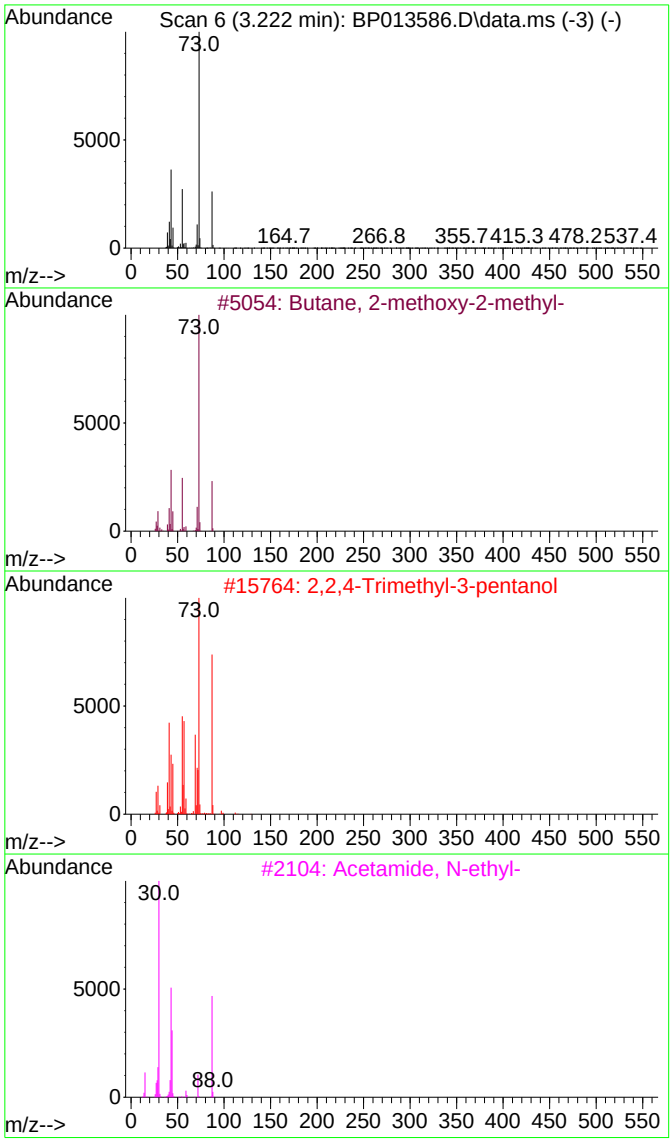
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

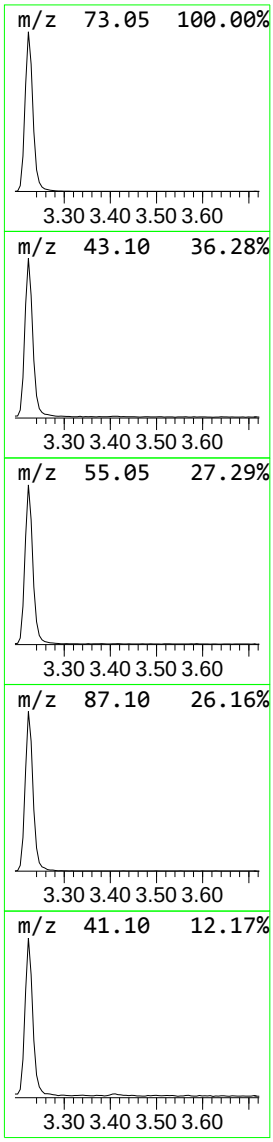
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.222	20.80 ng	2375280	1,4-Dichlorobenzene-d4	8.158

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013586.D
Acq On : 24 Jan 2023 23:52
Operator : CG/JU
Sample : 01232-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-18A

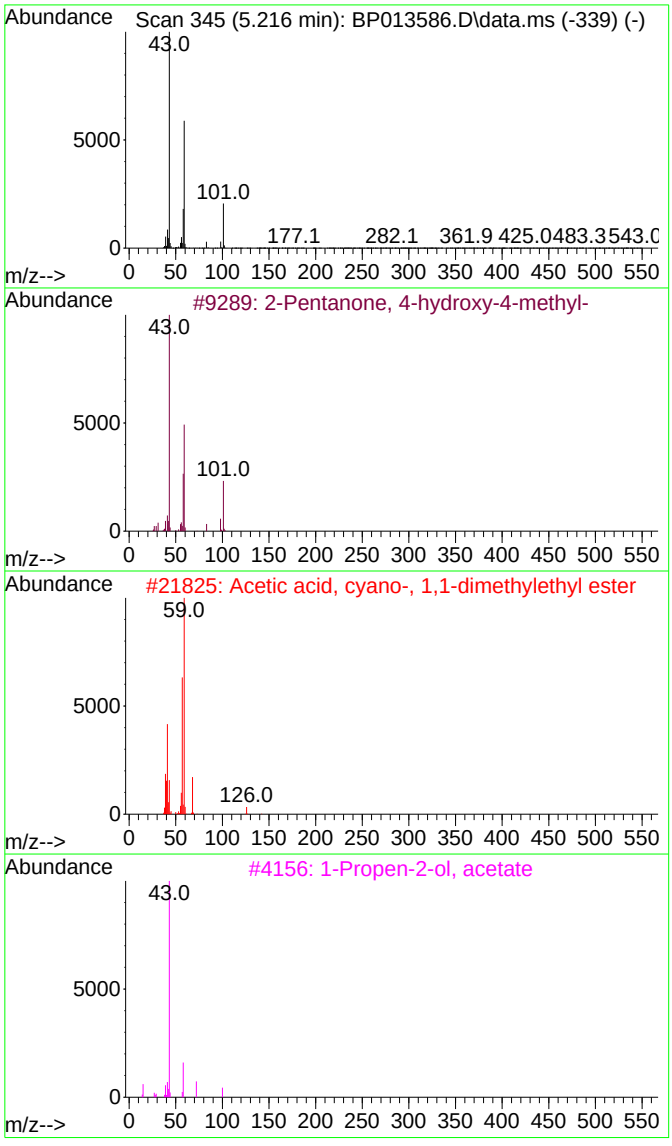
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

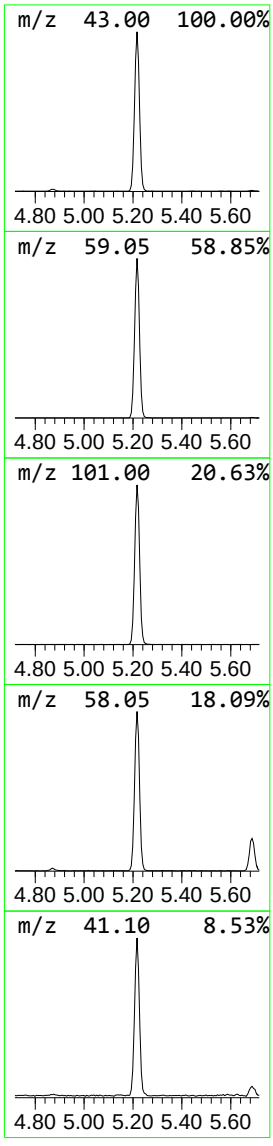
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.216	24.20 ng	2763560	1,4-Dichlorobenzene-d4	8.158

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013586.D
Acq On : 24 Jan 2023 23:52
Operator : CG/JU
Sample : 01232-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-18A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

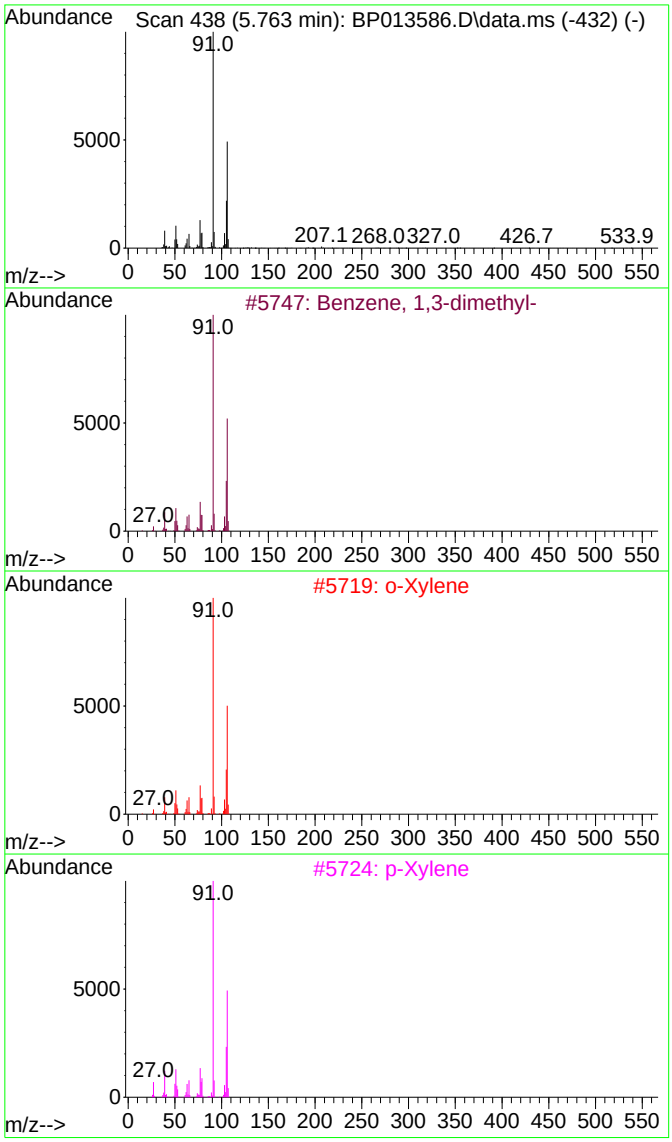
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

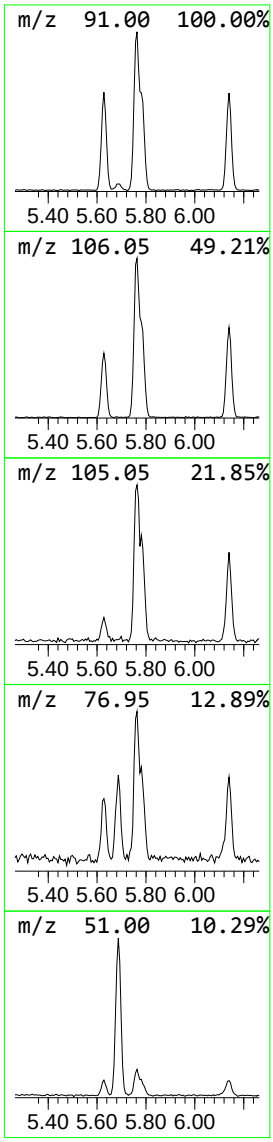
****

Peak Number 4 Benzene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.763	3.39 ng	386843	1,4-Dichlorobenzene-d4	8.158

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	o-Xylene	106	C8H10	000095-47-6	97
3	p-Xylene	106	C8H10	000106-42-3	97
4	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	90
5	Cyclopentene, 1-ethenyl-3-methyl...	106	C8H10	061142-07-2	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013586.D
Acq On : 24 Jan 2023 23:52
Operator : CG/JU
Sample : 01232-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-18A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

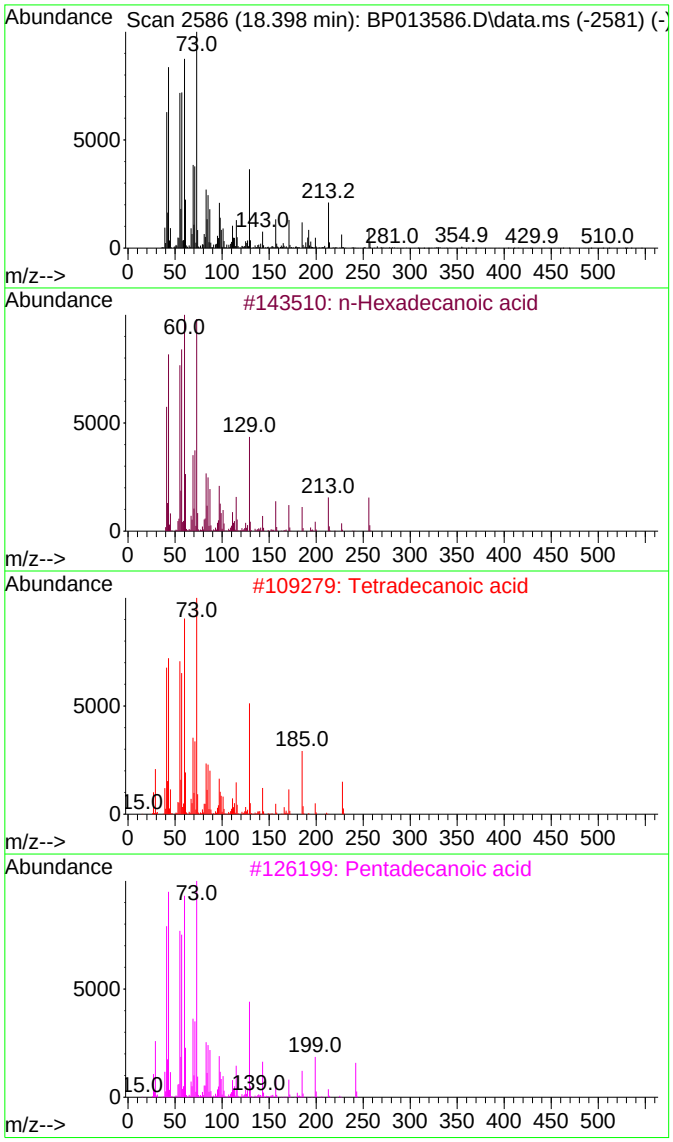
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

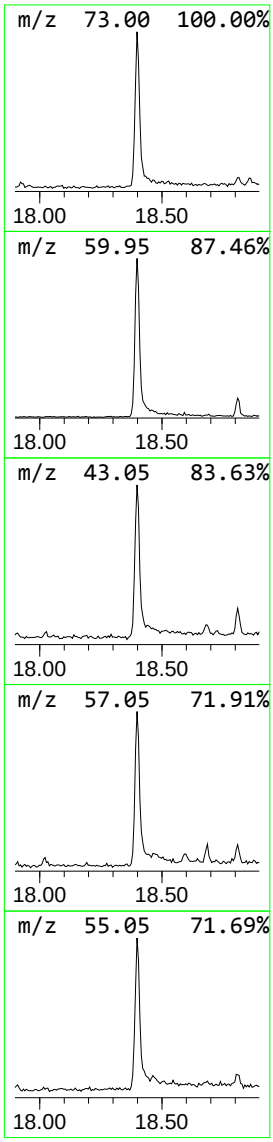
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.398	2.27 ng	561274	Phenanthrene-d10	17.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	96
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tridecanoic acid	214	C13H26O2	000638-53-9	68
5	Octadecanoic acid	284	C18H36O2	000057-11-4	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013586.D
Acq On : 24 Jan 2023 23:52
Operator : CG/JU
Sample : 01232-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-18A

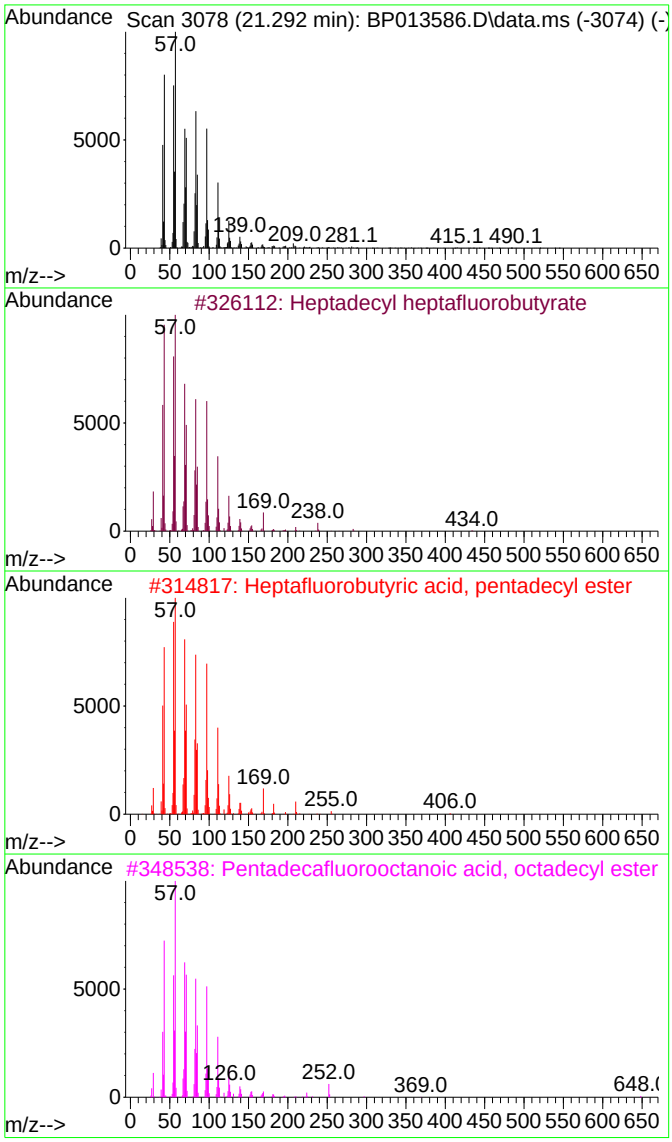
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

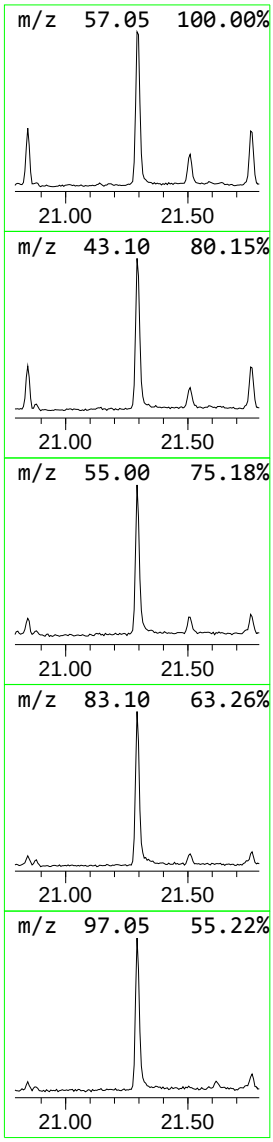
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Heptadecyl heptafluorobutyrate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.292	5.26 ng	1153700	Chrysene-d12	21.622

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4	1-Hexacosanol	382	C26H54O	000506-52-5	93
5	1-Heneicosanol	312	C21H44O	015594-90-8	93





Sample Results: **BP013586.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013586.D
Acq On : 24 Jan 2023 23:52
Operator : CG/JU
Sample : 01232-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-18A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.222	20.8	ng	2375280	1	8.158	2283800	20.0
2-Pentanone, 4-...	5.216	24.2	ng	2763560	1	8.158	2283800	20.0
Benzene, 1,3-di...	5.763	3.4	ng	386843	1	8.158	2283800	20.0
n-Hexadecanoic ...	18.398	2.3	ng	561274	4	17.545	4954520	20.0
Heptadecyl hept...	21.292	5.3	ng	1153700	5	21.622	4389210	20.0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P18B	SDG No.:	O1232
Lab Sample ID:	O1232-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG056373.D	1	01/20/23 12:30	01/20/23 18:47	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	150	U	150	360	ug/Kg
108-95-2	Phenol	73.9	U	73.9	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.7	U	87.7	190	ug/Kg
95-57-8	2-Chlorophenol	74.6	U	74.6	190	ug/Kg
95-48-7	2-Methylphenol	120	U	120	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	87.5	U	87.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	83.1	U	83.1	87.4	ug/Kg
67-72-1	Hexachloroethane	80.5	U	80.5	190	ug/Kg
98-95-3	Nitrobenzene	80.7	U	80.7	190	ug/Kg
78-59-1	Isophorone	72.7	U	72.7	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	190	ug/Kg
120-83-2	2,4-Dichlorophenol	89.2	U	89.2	190	ug/Kg
91-20-3	Naphthalene	80.7	U	80.7	190	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	190	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	190	ug/Kg
105-60-2	Caprolactam	110	U	110	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	85.9	U	85.9	190	ug/Kg
91-57-6	2-Methylnaphthalene	81.9	U	81.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	93.2	U	93.2	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	91.3	U	91.3	190	ug/Kg
92-52-4	1,1-Biphenyl	94.5	U	94.5	190	ug/Kg
91-58-7	2-Chloronaphthalene	93.4	U	93.4	190	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	190	ug/Kg
131-11-3	Dimethylphthalate	88.3	U	88.3	190	ug/Kg
208-96-8	Acenaphthylene	75.0	U	75.0	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.3	U	85.3	190	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P18B	SDG No.:	O1232
Lab Sample ID:	O1232-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG056373.D	1	01/20/23 12:30	01/20/23 18:47	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	110	U	110	190	ug/Kg
83-32-9	Acenaphthene	86.2	U	86.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	360	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	360	ug/Kg
132-64-9	Dibenzofuran	81.0	U	81.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.4	U	92.4	190	ug/Kg
84-66-2	Diethylphthalate	87.9	U	87.9	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	190	ug/Kg
86-73-7	Fluorene	86.0	U	86.0	190	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	94.1	U	94.1	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.8	U	89.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	190	ug/Kg
1912-24-9	Atrazine	98.3	U	98.3	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	360	ug/Kg
85-01-8	Phenanthrene	91.3	U	91.3	190	ug/Kg
120-12-7	Anthracene	91.7	U	91.7	190	ug/Kg
86-74-8	Carbazole	91.9	U	91.9	190	ug/Kg
84-74-2	Di-n-butylphthalate	95.0	U	95.0	190	ug/Kg
206-44-0	Fluoranthene	95.3	J	87.1	190	ug/Kg
129-00-0	Pyrene	110	J	81.0	190	ug/Kg
85-68-7	Butylbenzylphthalate	90.3	U	90.3	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	U	150	360	ug/Kg
56-55-3	Benzo(a)anthracene	94.8	U	94.8	190	ug/Kg
218-01-9	Chrysene	93.4	U	93.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.7	U	96.7	190	ug/Kg
117-84-0	Di-n-octyl phthalate	99.4	U	99.4	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	J	75.3	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	80.4	U	80.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	74.2	J	73.9	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	190	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P18B	SDG No.:	O1232
Lab Sample ID:	O1232-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG056373.D	1	01/20/23 12:30	01/20/23 18:47	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	110	U	110	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.6	U	99.6	190	ug/Kg
123-91-1	1,4-Dioxane	97.3	U	97.3	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	88.7	U	88.7	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	159		18 - 112	106%	SPK: 150
13127-88-3	Phenol-d6	142		21 - 104	95%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.4		27 - 109	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.8		30 - 103	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		10 - 121	101%	SPK: 150
1718-51-0	Terphenyl-d14	100		21 - 107	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	44000	8.301			
1146-65-2	Naphthalene-d8	169000	11.133			
15067-26-2	Acenaphthene-d10	129000	14.916			
1517-22-2	Phenanthrene-d10	301000	17.654			
1719-03-5	Chrysene-d12	277000	21.944			
1520-96-3	Perylene-d12	301000	25.387			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	660	AB		5.34	ug/Kg
000057-10-3	n-Hexadecanoic acid	180	J		18.5	ug/Kg
000077-94-1	Butyl citrate	150	J		19.9	ug/Kg
959092-08-1	Pentafluoropropionic acid, pentade	130	J		21.5	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056373.D
Acq On : 20 Jan 2023 18:47
Operator : CG/JU
Sample : 01232-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-18B

Quant Time: Jan 23 00:01:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

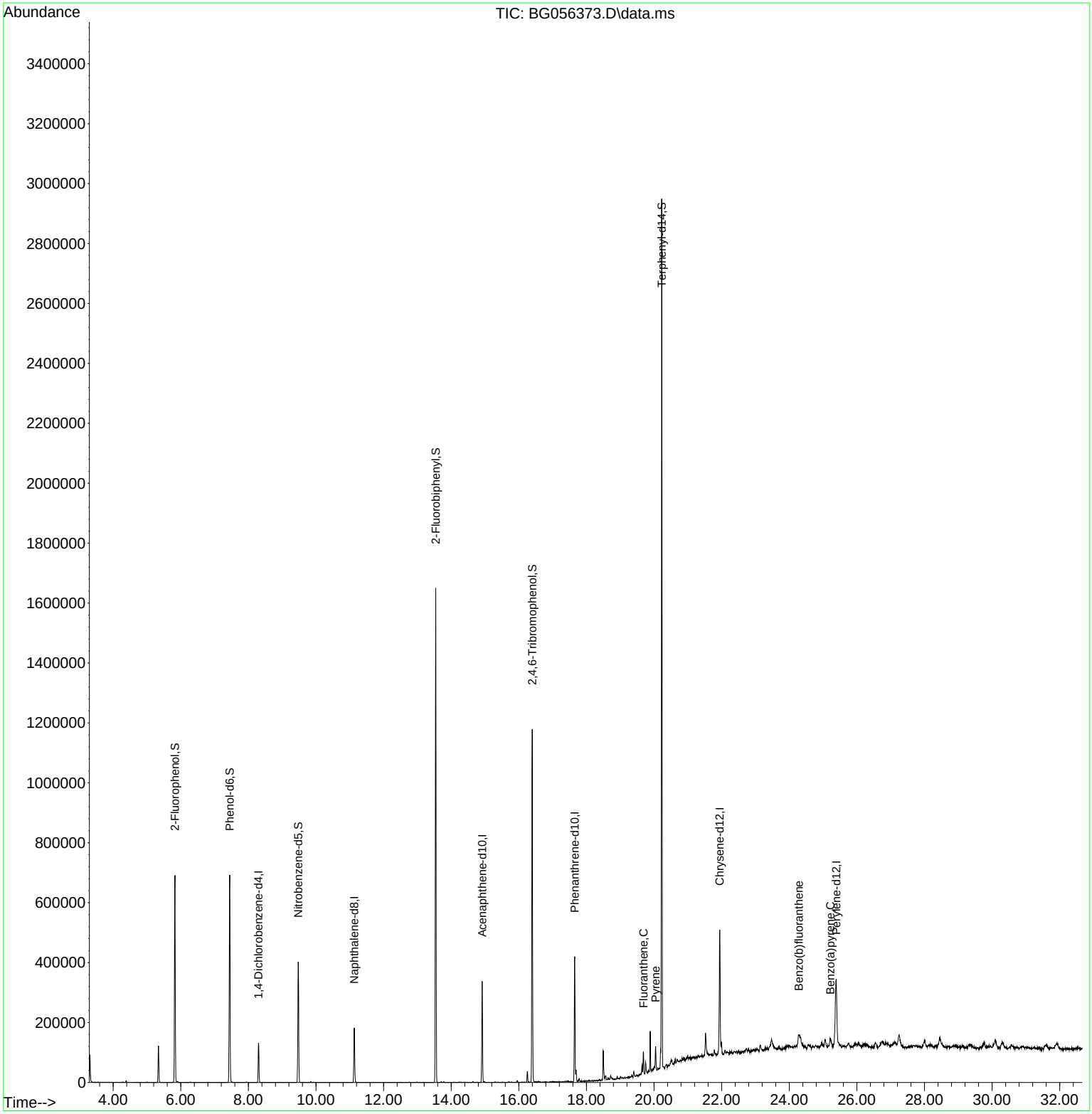
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.301	152	44014	20.000	ng	0.00
21) Naphthalene-d8	11.133	136	169116	20.000	ng	0.00
39) Acenaphthene-d10	14.916	164	128743	20.000	ng	0.00
64) Phenanthrene-d10	17.654	188	300749	20.000	ng	0.00
76) Chrysene-d12	21.944	240	276762	20.000	ng	#-0.01
86) Perylene-d12	25.387	264	300974	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.827	112	392614	159.270	ng	0.00
7) Phenol-d6	7.449	99	538720	142.305	ng	0.00
23) Nitrobenzene-d5	9.476	82	282239	85.367	ng	-0.01
42) 2,4,6-Tribromophenol	16.397	330	245967	150.853	ng	0.00
45) 2-Fluorobiphenyl	13.542	172	921087	98.796	ng	0.00
79) Terphenyl-d14	20.228	244	1549088	100.248	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.687	202	53238	2.619	ng	96
78) Pyrene	20.046	202	57279	2.936	ng	100
88) Benzo(b)fluoranthene	24.282	252	54986	2.875	ng	# 87
90) Benzo(a)pyrene	25.216	252	38017	2.038	ng	# 90

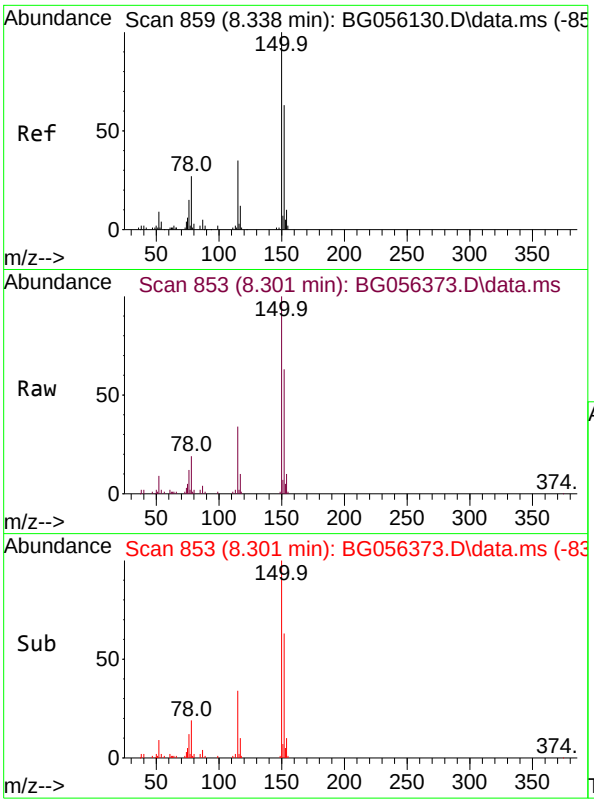
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056373.D
Acq On : 20 Jan 2023 18:47
Operator : CG/JU
Sample : 01232-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-18B

Quant Time: Jan 23 00:01:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration



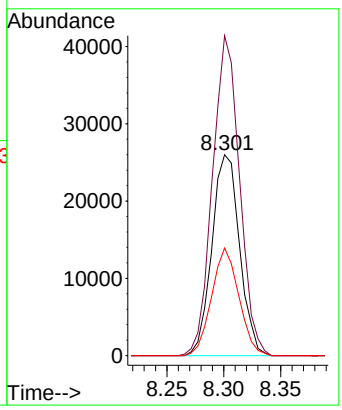


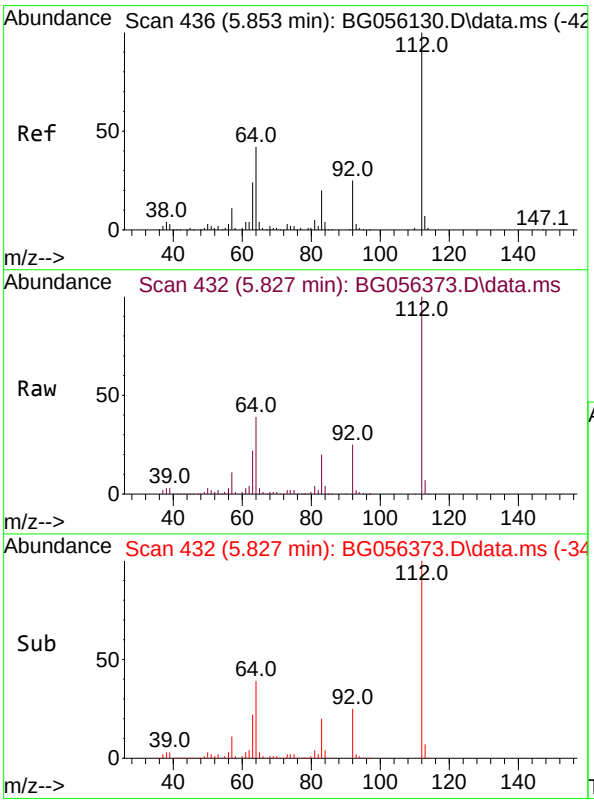
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.301 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Instrument :
BNA_G
ClientSampleId :
B-P-18B

Tgt Ion:152 Resp: 44014

Ion	Ratio	Lower	Upper
152	100		
150	159.3	127.9	191.9
115	53.6	44.2	66.2

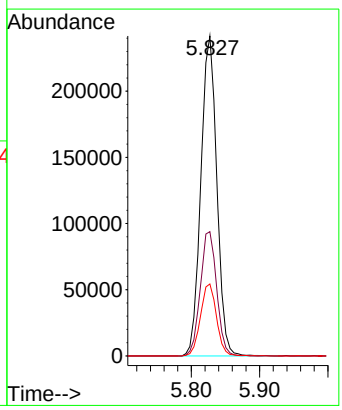


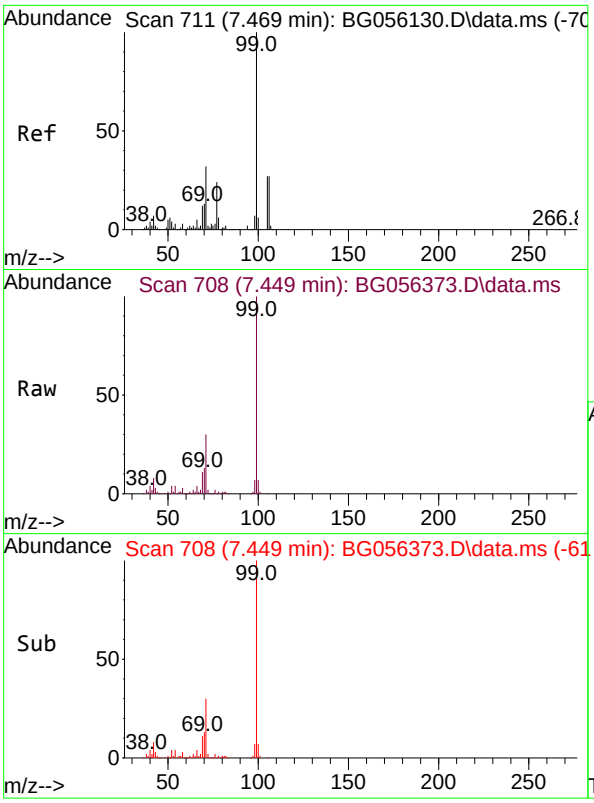


#5
2-Fluorophenol
Concen: 159.270 ng
RT: 5.827 min Scan# 432
Delta R.T. 0.001 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Tgt Ion:112 Resp: 392614

Ion	Ratio	Lower	Upper
112	100		
64	38.8	33.3	49.9
63	22.5	19.0	28.4



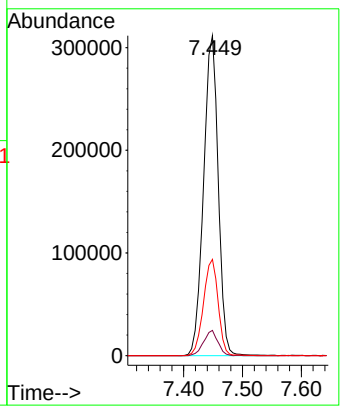


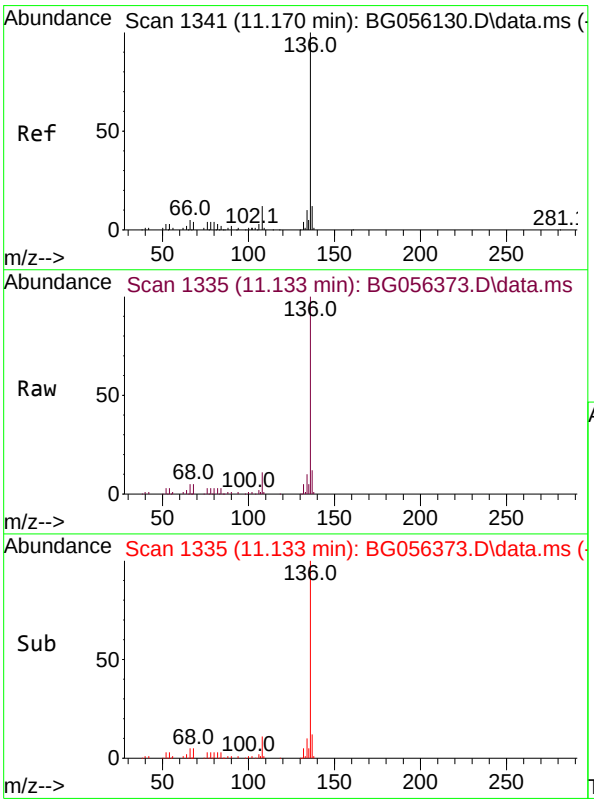
#7
Phenol-d6
Concen: 142.305 ng
RT: 7.449 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Instrument :
BNA_G
ClientSampleId :
B-P-18B

Tgt Ion: 99 Resp: 538720

Ion	Ratio	Lower	Upper
99	100		
42	7.9	5.9	8.9
71	30.1	25.4	38.2

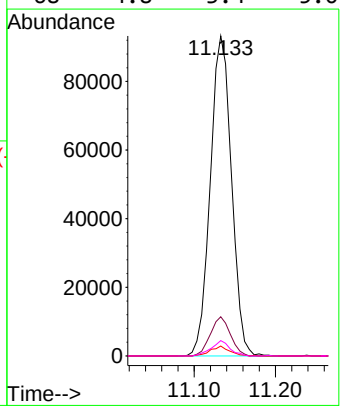


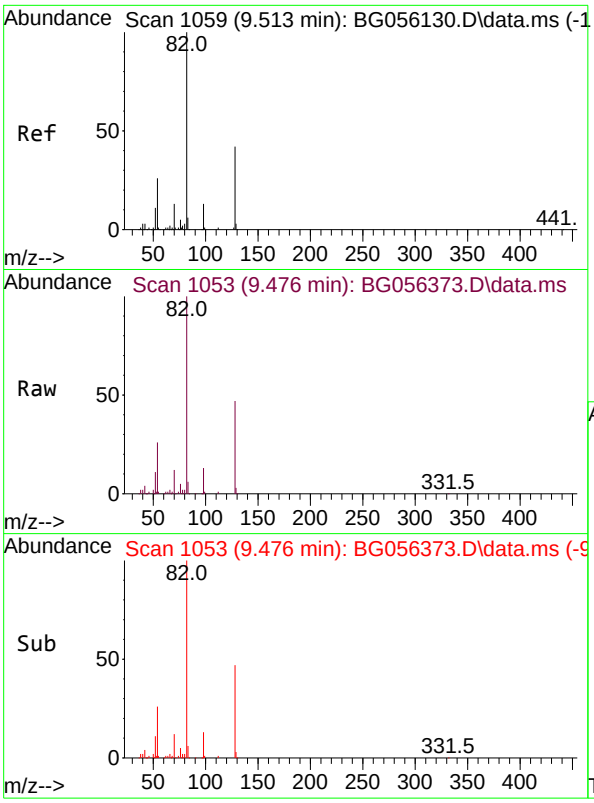


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.133 min Scan# 1335
Delta R.T. -0.005 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Tgt Ion:136 Resp: 169116

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.4	14.0
54	3.1	2.2	3.2
68	4.8	3.4	5.0



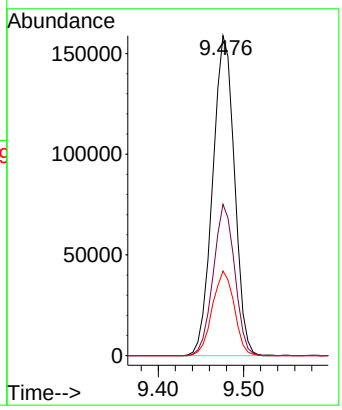


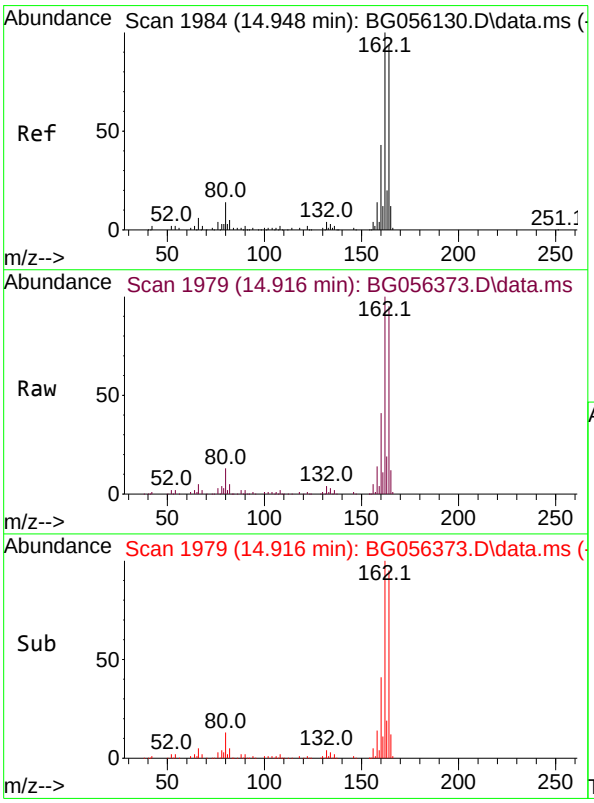
#23
Nitrobenzene-d5
Concen: 85.367 ng
RT: 9.476 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Instrument :
BNA_G
ClientSampleId :
B-P-18B

Tgt Ion: 82 Resp: 282239

Ion	Ratio	Lower	Upper
82	100		
128	47.3	33.4	50.2
54	26.4	20.3	30.5

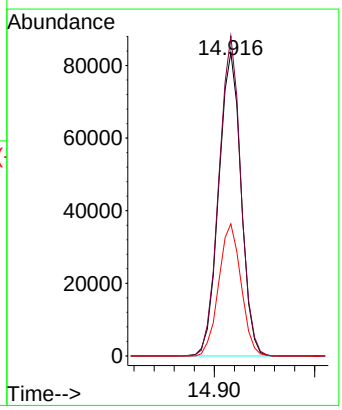


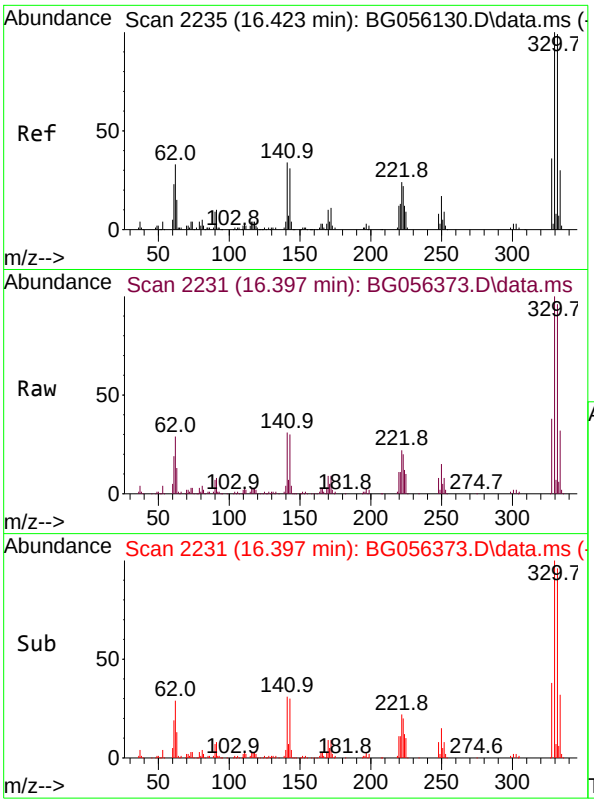


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.916 min Scan# 1979
Delta R.T. -0.005 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Tgt Ion:164 Resp: 128743

Ion	Ratio	Lower	Upper
164	100		
162	105.4	84.7	127.1
160	43.5	36.3	54.5



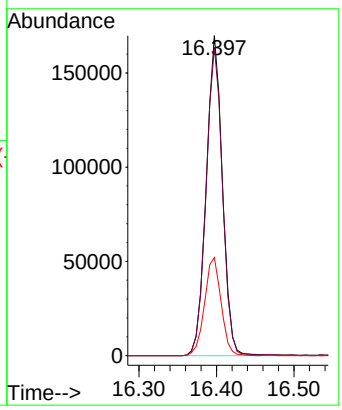


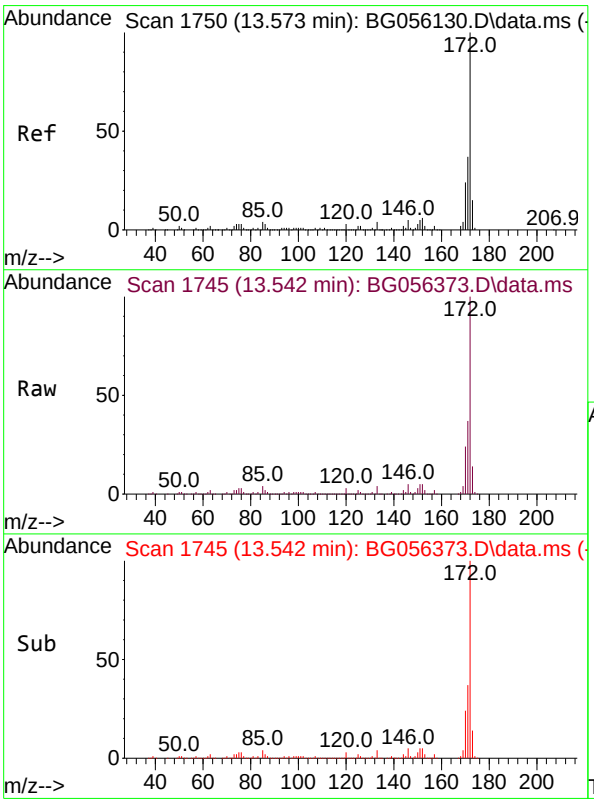
#42
2,4,6-Tribromophenol
Concen: 150.853 ng
RT: 16.397 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Instrument :
BNA_G
ClientSampleId :
B-P-18B

Tgt Ion:330 Resp: 245967

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.3	115.9
141	31.2	27.9	41.9

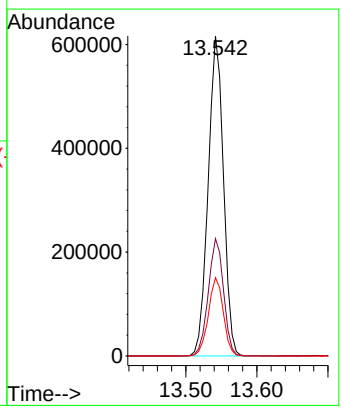


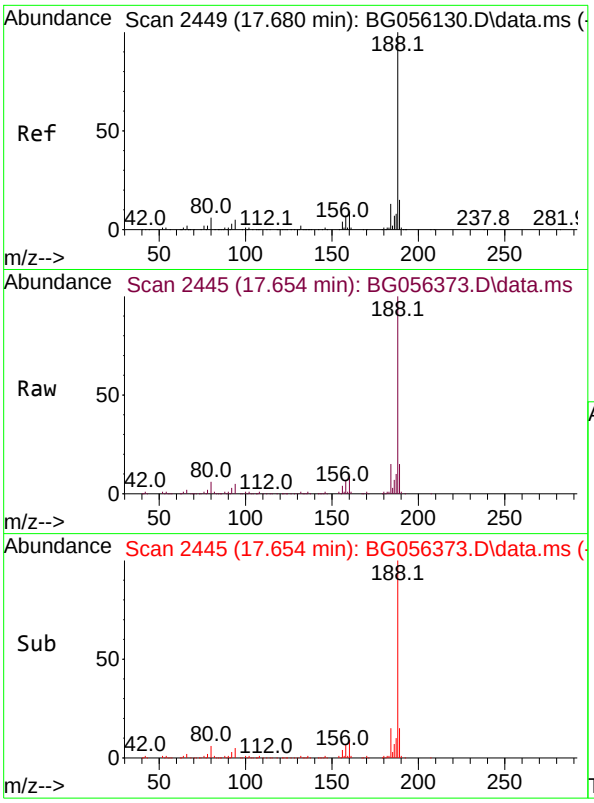


#45
2-Fluorobiphenyl
Concen: 98.796 ng
RT: 13.542 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Tgt Ion:172 Resp: 921087

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.4	19.4	29.2



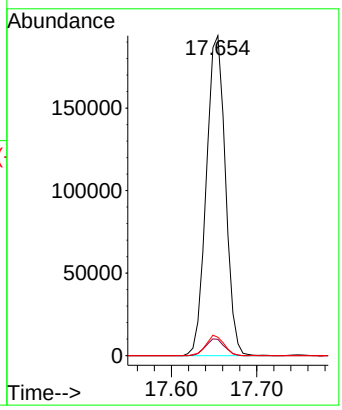


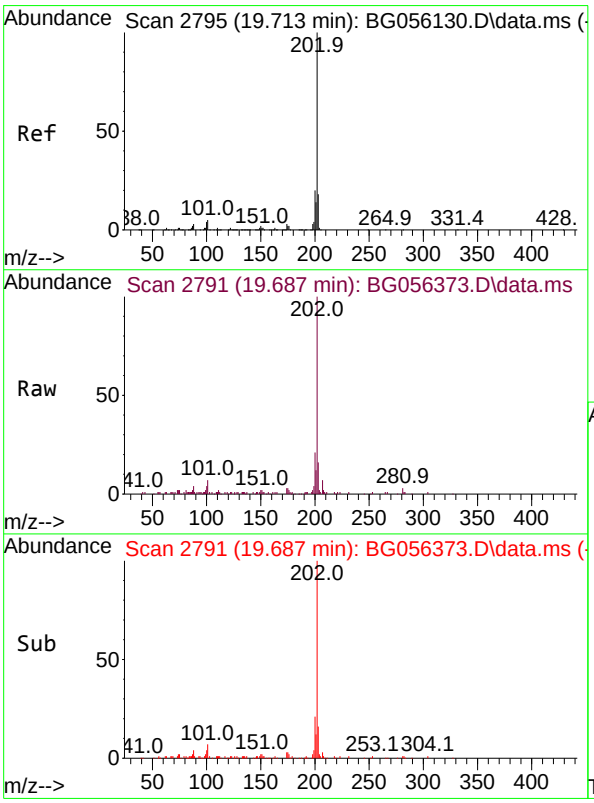
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.654 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Instrument :
BNA_G
ClientSampleId :
B-P-18B

Tgt Ion:188 Resp: 300749

Ion	Ratio	Lower	Upper
188	100		
94	5.1	4.2	6.2
80	5.7	5.0	7.4

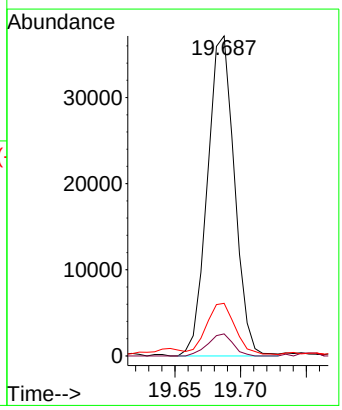


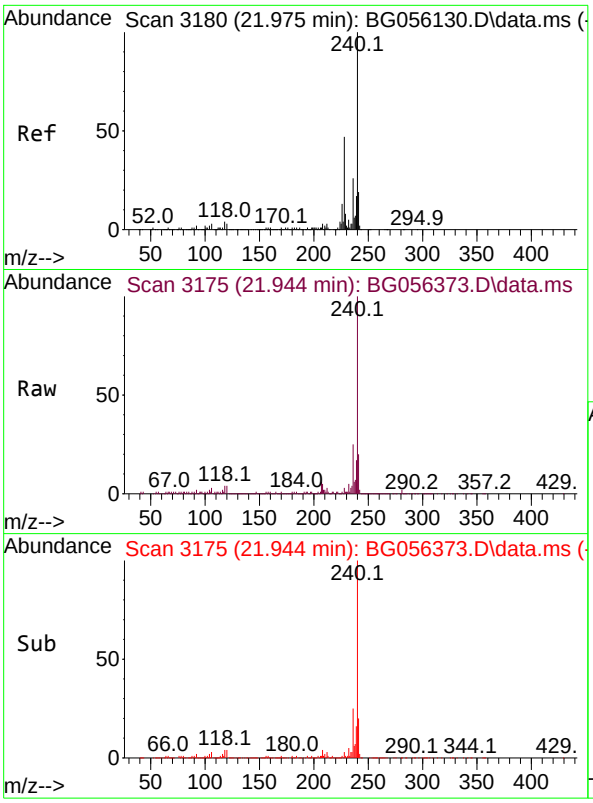


#75
Fluoranthene
Concen: 2.619 ng
RT: 19.687 min Scan# 2791
Delta R.T. -0.005 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Tgt Ion:202 Resp: 53238

Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	25.0
203	16.4	0.0	38.0



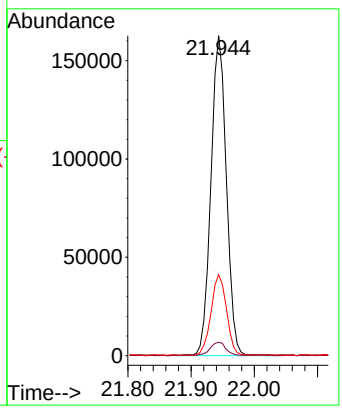


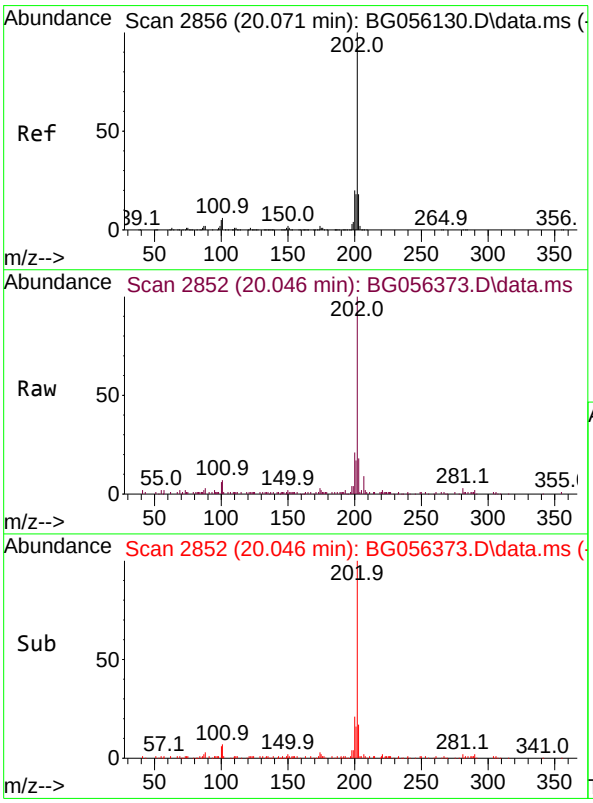
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.944 min Scan# 3
Delta R.T. -0.011 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Instrument :
BNA_G
ClientSampleId :
B-P-18B

Tgt Ion:240 Resp: 276762

Ion	Ratio	Lower	Upper
240	100		
120	4.2	2.6	4.0#
236	25.3	20.8	31.2

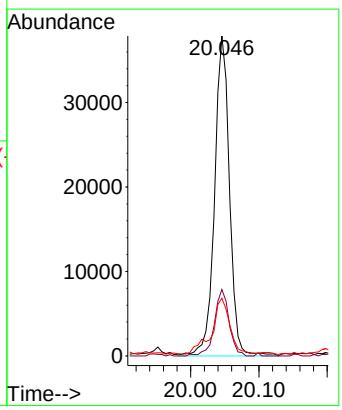


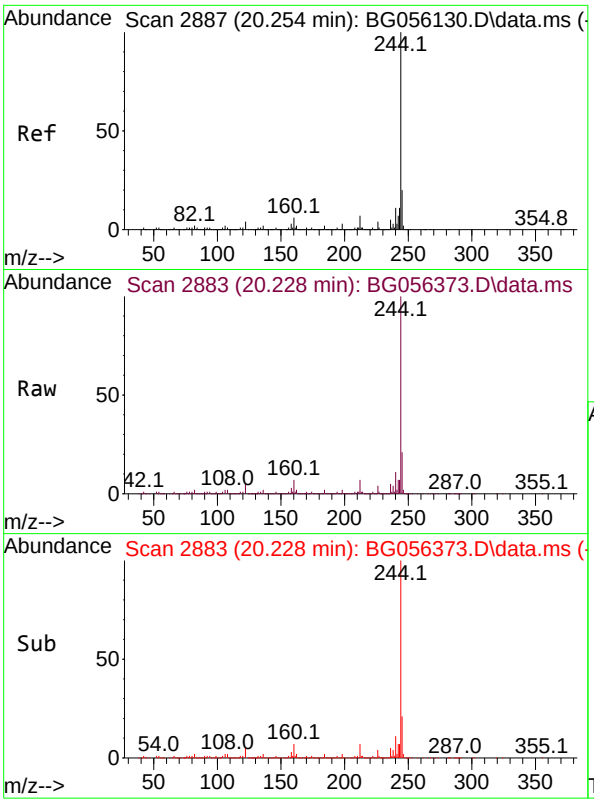


#78
Pyrene
Concen: 2.936 ng
RT: 20.046 min Scan# 2852
Delta R.T. -0.005 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Tgt Ion:202 Resp: 57279

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.4	24.6
203	18.0	14.3	21.5



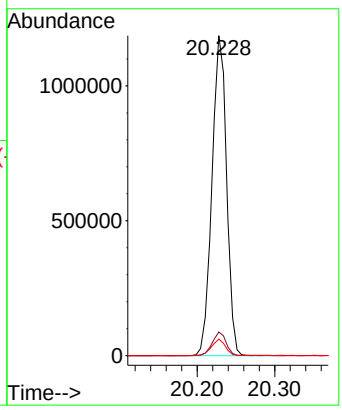


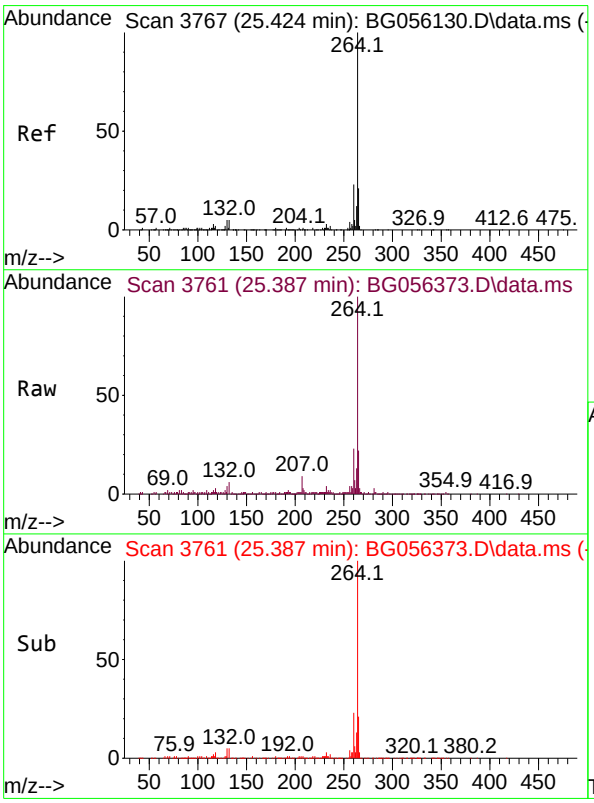
#79
Terphenyl-d14
Concen: 100.248 ng
RT: 20.228 min Scan# 28
Delta R.T. -0.005 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Instrument :
BNA_G
ClientSampleId :
B-P-18B

Tgt Ion:244 Resp: 1549088

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.7	8.5
122	5.2	3.5	5.3

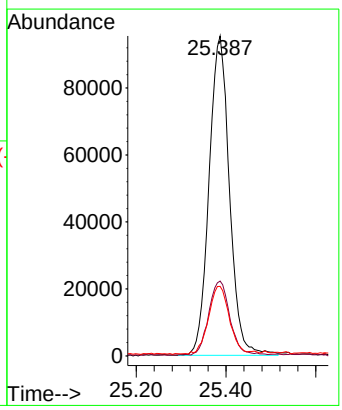


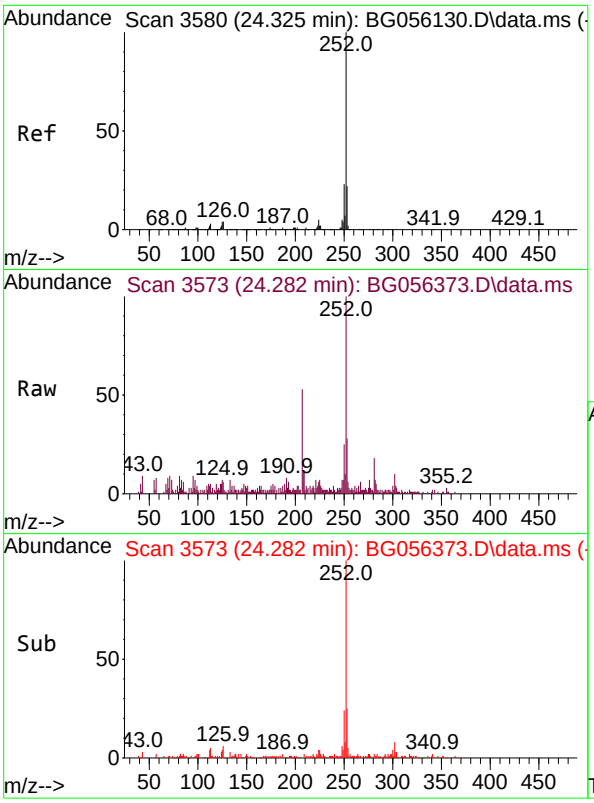


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.387 min Scan# 3761
Delta R.T. -0.005 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Tgt Ion:264 Resp: 300974

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.7	16.7	25.1



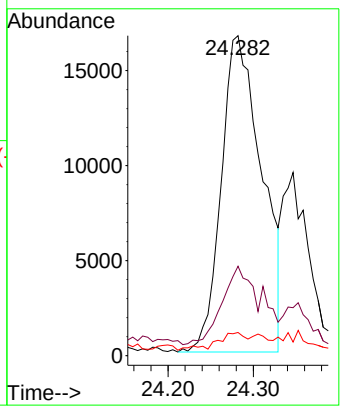


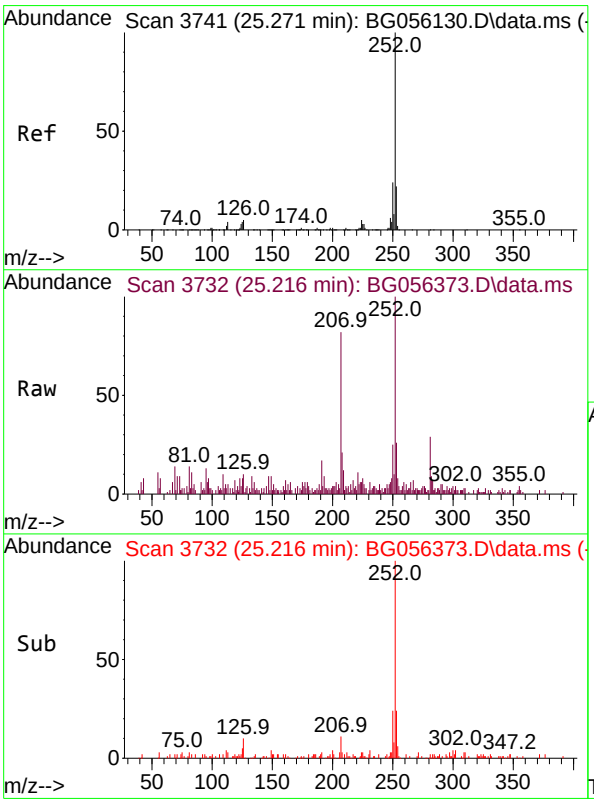
#88
Benzo(b)fluoranthene
Concen: 2.875 ng
RT: 24.282 min Scan# 3
Delta R.T. -0.011 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Instrument :
BNA_G
ClientSampleId :
B-P-18B

Tgt Ion:252 Resp: 54986

Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.4	26.2#
125	7.2	3.0	4.4#

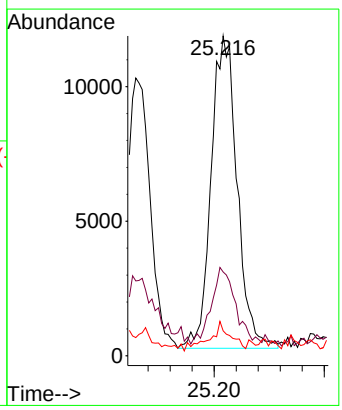




#90
Benzo(a)pyrene
Concen: 2.038 ng
RT: 25.216 min Scan# 3732
Delta R.T. -0.011 min
Lab File: BG056373.D
Acq: 20 Jan 2023 18:47

Tgt Ion:252 Resp: 38017

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.4	26.2#
125	7.8	3.2	4.8#



Sample Results: **BG056373.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056373.D
Acq On : 20 Jan 2023 18:47
Operator : CG/JU
Sample : 01232-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-18B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056373.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.339	341	349	357	rBV	122386	197731	5.33%	1.309%
2	5.827	424	432	440	rBV	691072	1119498	30.16%	7.409%
3	7.449	699	708	722	rBV	692118	1202205	32.39%	7.957%
4	8.301	846	853	861	rVB	131322	219695	5.92%	1.454%
5	9.476	1045	1053	1061	rBV	402921	715553	19.28%	4.736%
6	11.133	1326	1335	1348	rBB	182367	324287	8.74%	2.146%
7	13.542	1738	1745	1757	rVB	1649686	2440704	65.76%	16.154%
8	14.916	1970	1979	1986	rBV	337418	518847	13.98%	3.434%
9	16.250	2201	2206	2212	rBV	34978	51329	1.38%	0.340%
10	16.397	2224	2231	2242	rBV	1177608	1741128	46.91%	11.524%
11	17.654	2438	2445	2449	rBV	417531	649343	17.50%	4.298%
12	17.696	2449	2452	2457	rVB2	39885	54487	1.47%	0.361%
13	18.495	2584	2588	2596	rBV2	98277	161418	4.35%	1.068%
14	19.687	2786	2791	2796	rVB	73941	108188	2.92%	0.716%
15	19.752	2798	2802	2811	rBV5	38829	63918	1.72%	0.423%
16	19.887	2821	2825	2830	rBV	135113	148721	4.01%	0.984%
17	20.046	2848	2852	2858	rVB	79999	120050	3.23%	0.795%
18	20.193	2873	2877	2878	rBV	61175	59040	1.59%	0.391%
19	20.228	2878	2883	2889	rVB	2898793	3711391	100.00%	24.564%
20	21.526	3100	3104	3114	rVB3	69784	132957	3.58%	0.880%
21	21.944	3168	3175	3181	rBV2	403301	735362	19.81%	4.867%
22	25.387	3754	3761	3772	rVB2	213370	633117	17.06%	4.190%

Sum of corrected areas: 15108969

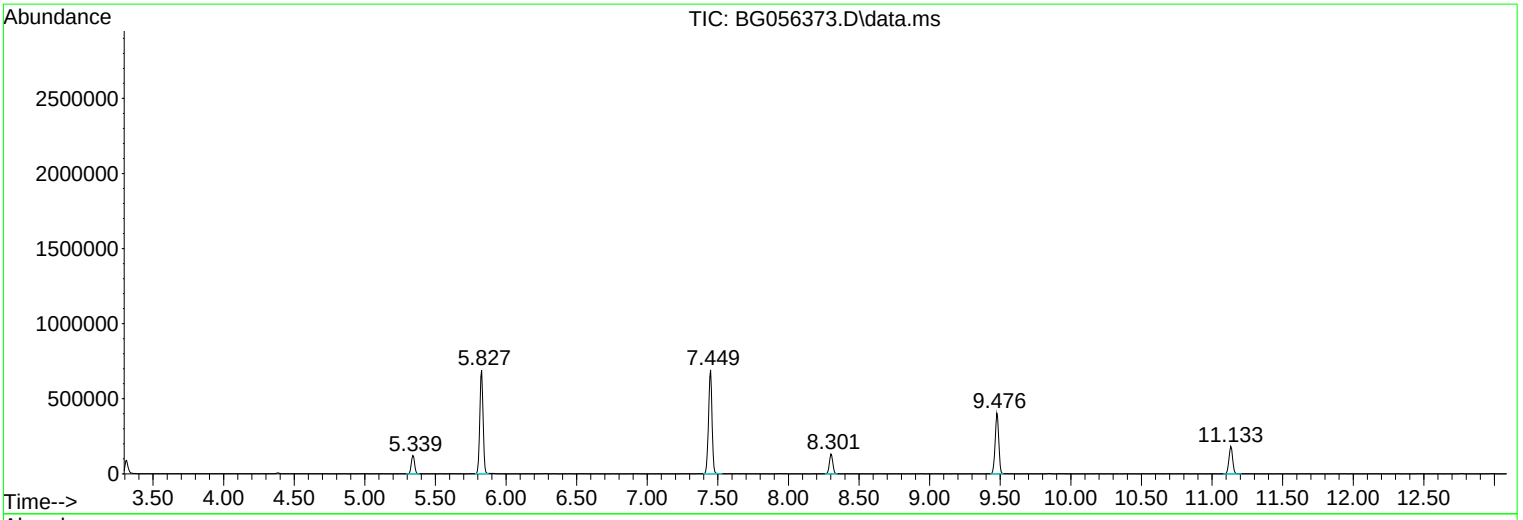
Sample Results: **BG056373.D**

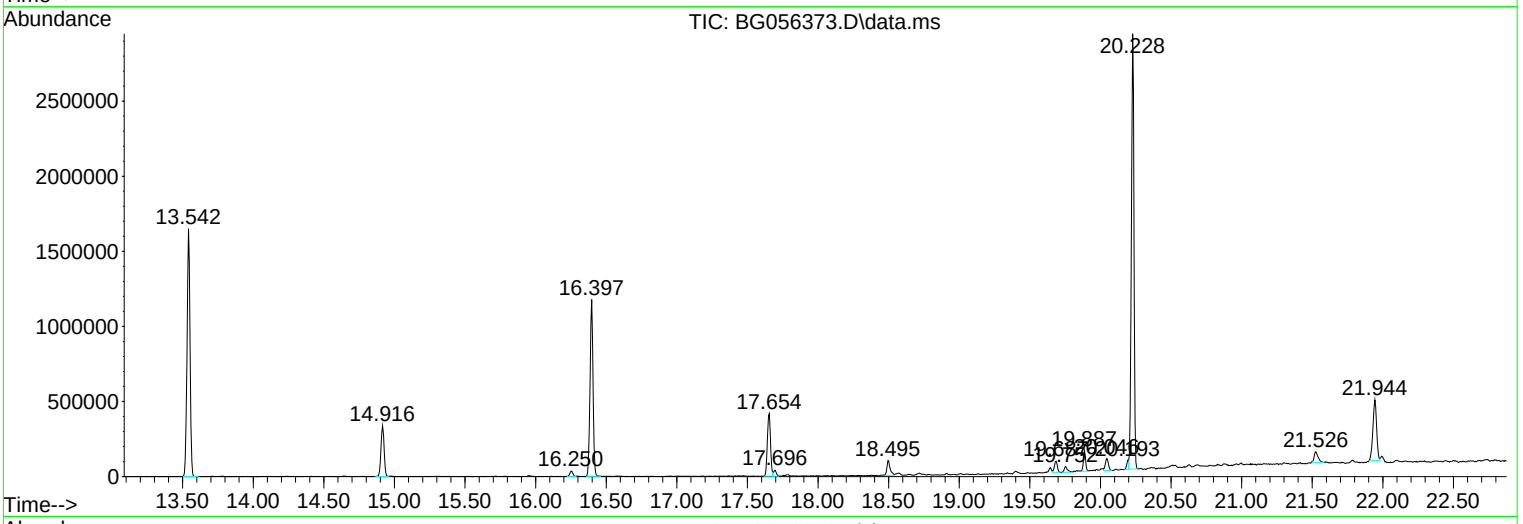
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056373.D
Acq On : 20 Jan 2023 18:47
Operator : CG/JU
Sample : 01232-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

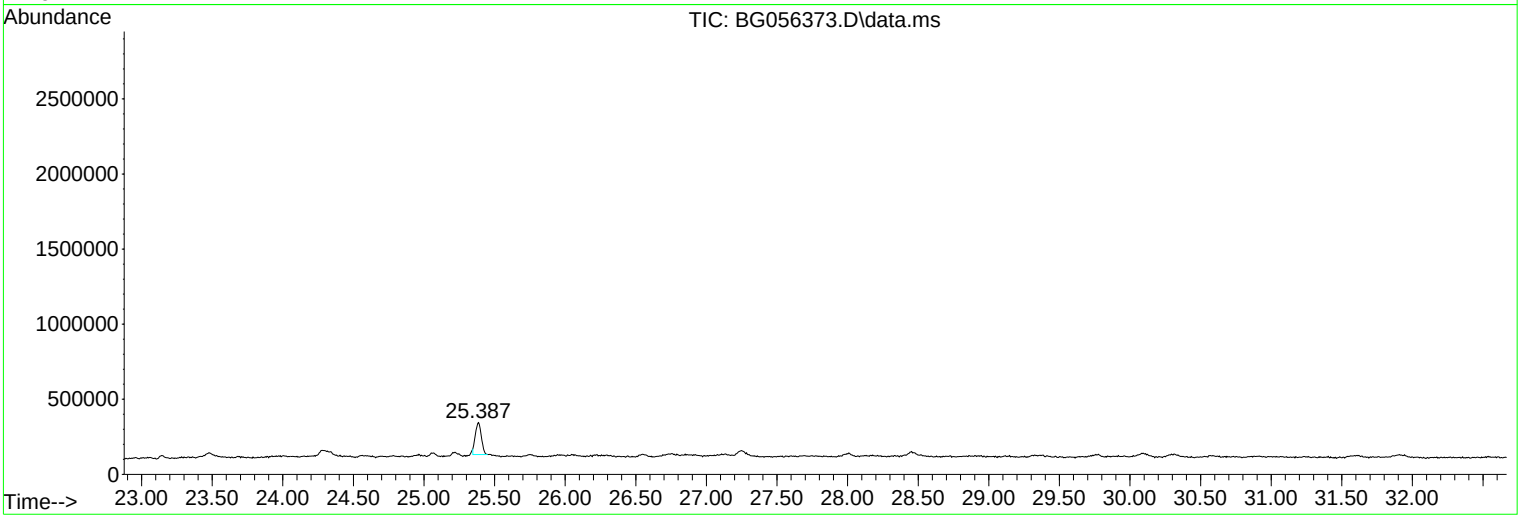
Instrument :
BNA_G
ClientSampleId :
B-P-18B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056373.D
Acq On : 20 Jan 2023 18:47
Operator : CG/JU
Sample : 01232-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-18B

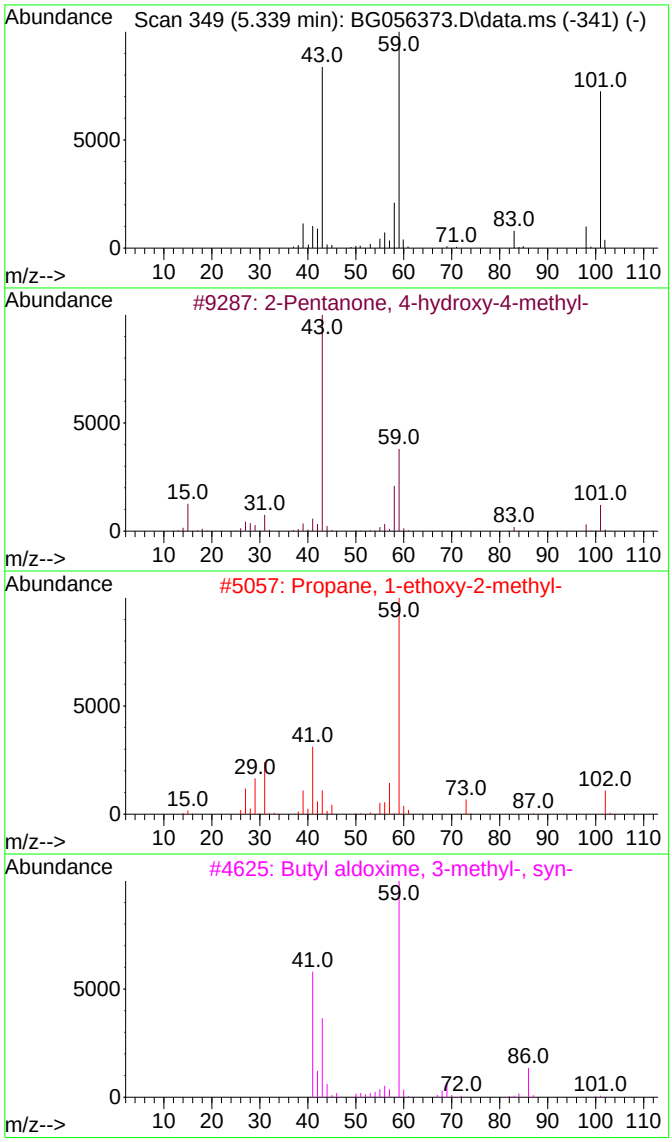
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

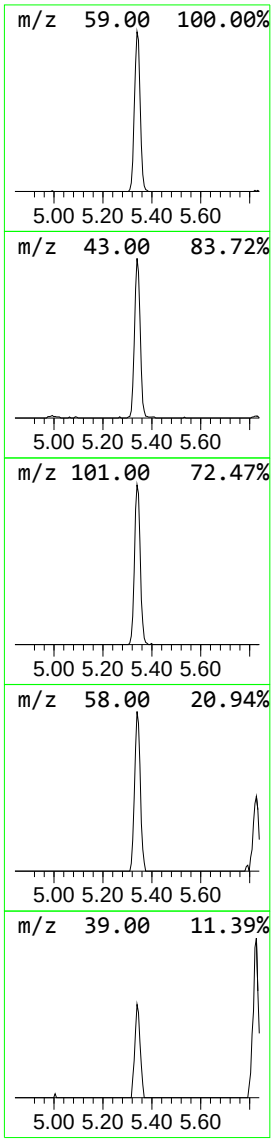
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.339	18.00 ng	197731	1,4-Dichlorobenzene-d4	8.301

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	38
3	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	25
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	25
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056373.D
Acq On : 20 Jan 2023 18:47
Operator : CG/JU
Sample : 01232-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-18B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

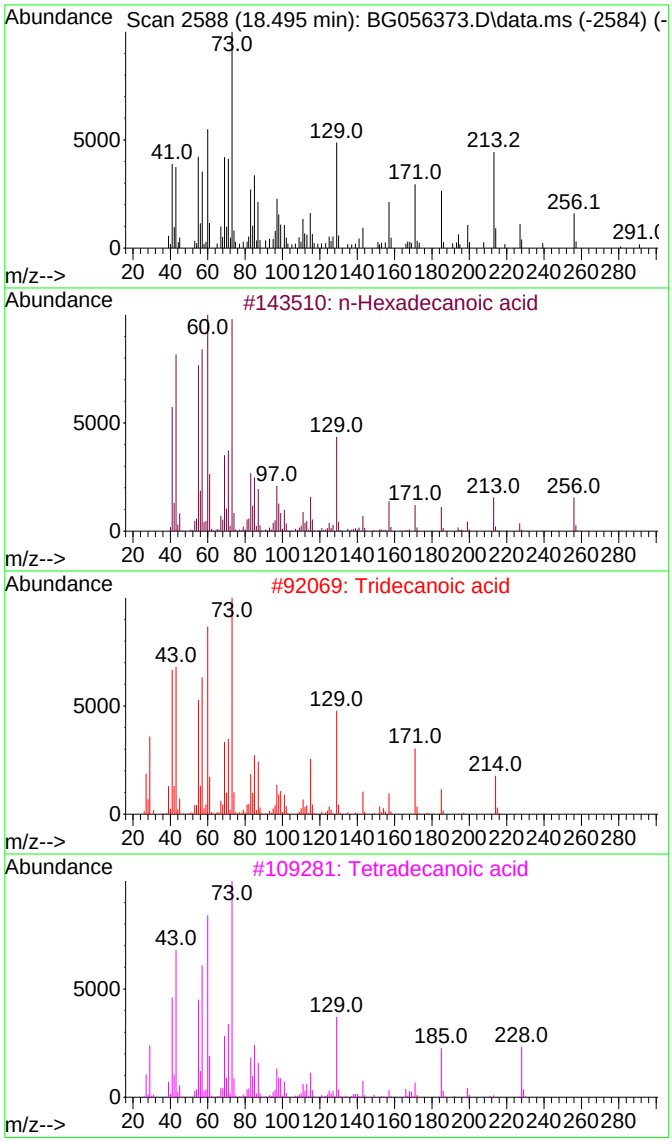
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

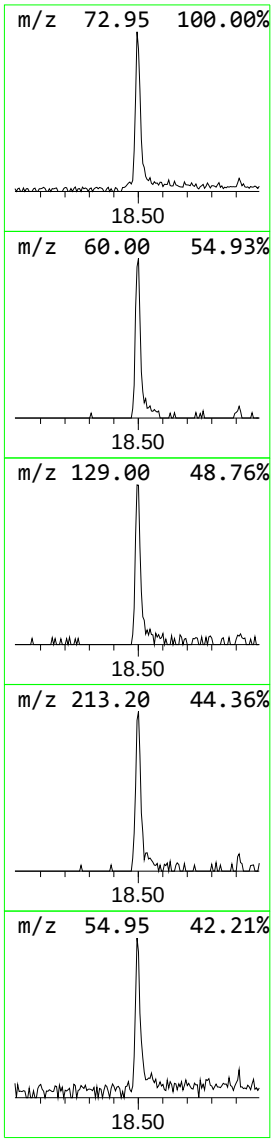
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.495	4.97 ng	161418	Phenanthrene-d10	17.654

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	Tridecanoic acid	214	C13H26O2	000638-53-9	83
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	78
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	43
5	Dodecanoic acid	200	C12H24O2	000143-07-7	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056373.D
Acq On : 20 Jan 2023 18:47
Operator : CG/JU
Sample : 01232-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-18B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

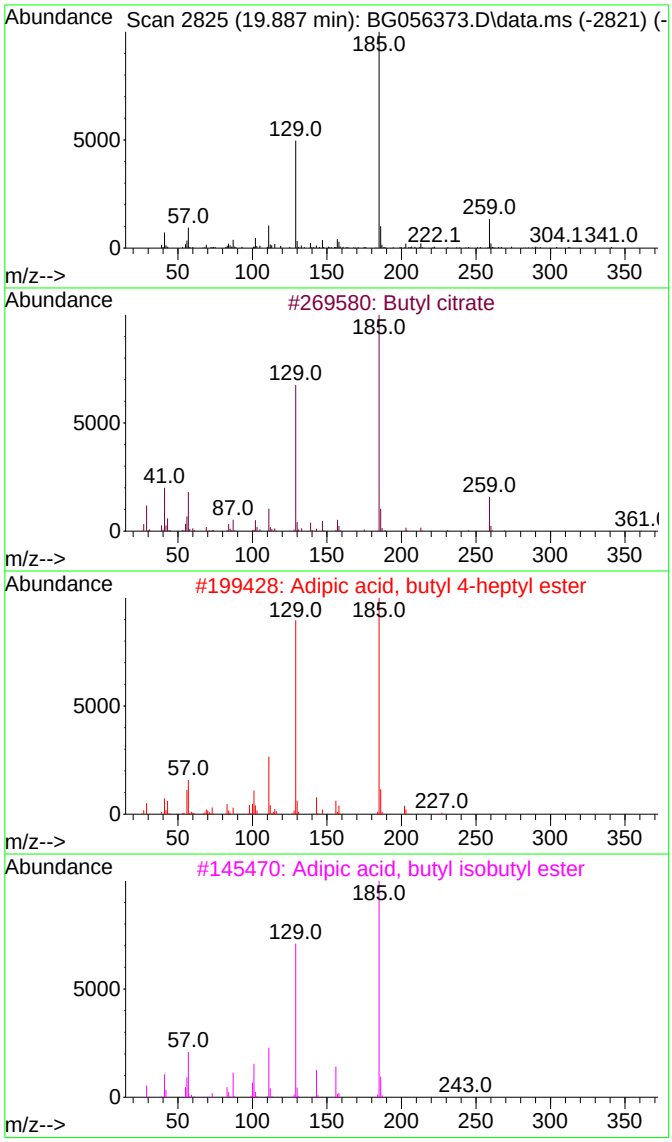
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

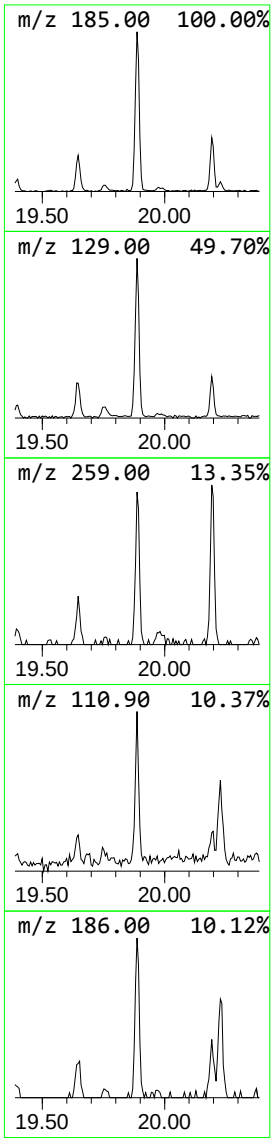
****

Peak Number 3 Butyl citrate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.887	4.04 ng	148721	Chrysene-d12	21.944

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl citrate	360	C18H32O7	000077-94-1	91
2	Adipic acid, butyl 4-heptyl ester	300	C17H32O4	1000349-73-7	56
3	Adipic acid, butyl isobutyl ester	258	C14H26O4	1010324-09-3	56
4	2-([(Dimethylamino)methylene]ami...	382	C20H31ClN2O3	1000378-74-1	47
5	Adipic acid, 4-bromophenyl butyl...	356	C16H21BrO4	1000324-37-9	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056373.D
Acq On : 20 Jan 2023 18:47
Operator : CG/JU
Sample : 01232-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-18B

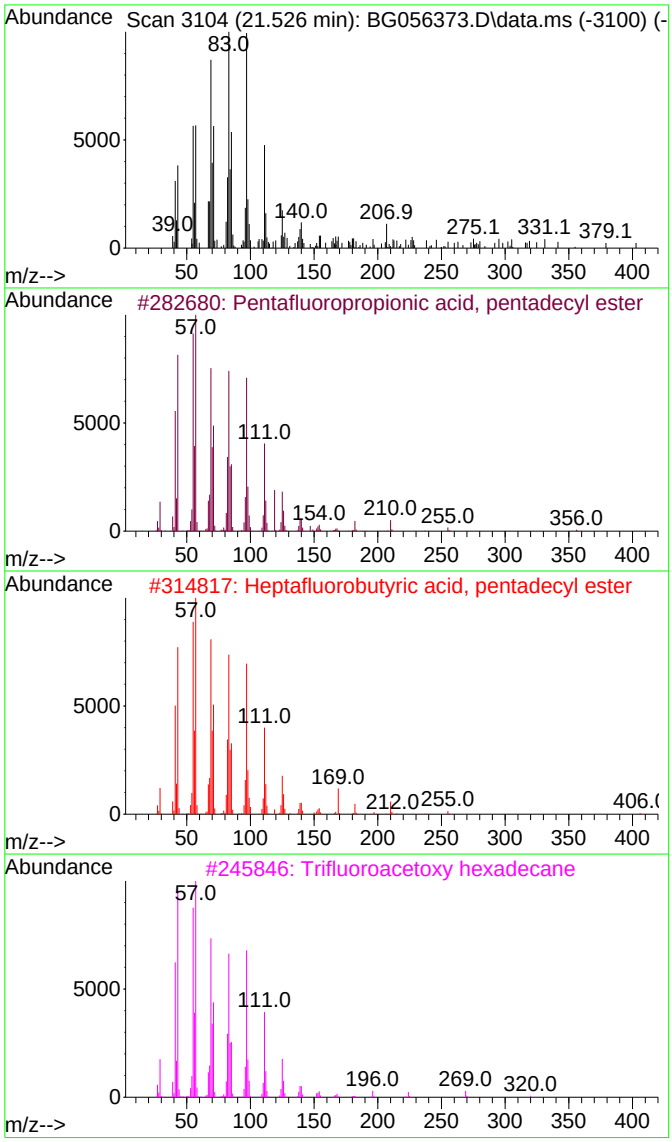
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

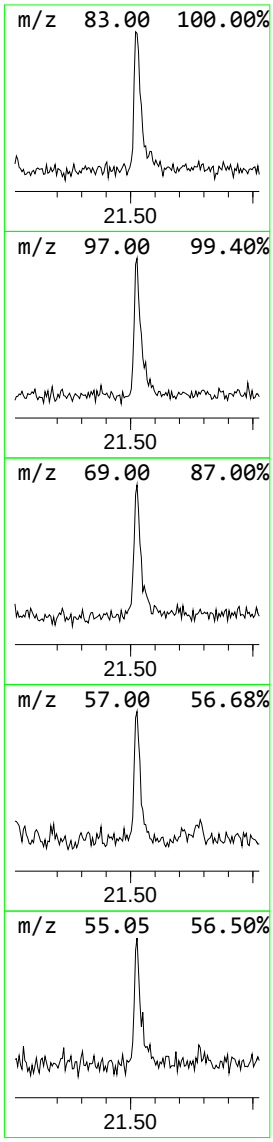
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentafluoropropionic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.526	3.62 ng	132957	Chrysene-d12	21.944

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	91
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91
4	1-Nonadecene	266	C19H38	018435-45-5	91
5	1-Heptadecene	238	C17H34	006765-39-5	89





Sample Results: **BG056373.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056373.D
Acq On : 20 Jan 2023 18:47
Operator : CG/JU
Sample : 01232-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-18B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.339	18.0	ng	197731	1	8.301	219695	20.0
n-Hexadecanoic ...	18.495	5.0	ng	161418	4	17.654	649343	20.0
Butyl citrate	19.887	4.0	ng	148721	5	21.944	735362	20.0
Pentafluoroprop...	21.526	3.6	ng	132957	5	21.944	735362	20.0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P19A	SDG No.:	O1232
Lab Sample ID:	O1232-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG056372.D	1	01/20/23 12:30	01/20/23 18:05	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	370	ug/Kg
108-95-2	Phenol	76.7	U	76.7	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.0	U	91.0	190	ug/Kg
95-57-8	2-Chlorophenol	77.4	U	77.4	190	ug/Kg
95-48-7	2-Methylphenol	120	U	120	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	190	ug/Kg
98-86-2	Acetophenone	90.8	U	90.8	190	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.2	U	86.2	90.6	ug/Kg
67-72-1	Hexachloroethane	83.5	U	83.5	190	ug/Kg
98-95-3	Nitrobenzene	83.7	U	83.7	190	ug/Kg
78-59-1	Isophorone	75.5	U	75.5	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	190	ug/Kg
120-83-2	2,4-Dichlorophenol	92.6	U	92.6	190	ug/Kg
91-20-3	Naphthalene	83.7	U	83.7	190	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	190	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	190	ug/Kg
105-60-2	Caprolactam	110	U	110	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.2	U	89.2	190	ug/Kg
91-57-6	2-Methylnaphthalene	85.0	U	85.0	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	96.8	U	96.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	94.7	U	94.7	190	ug/Kg
92-52-4	1,1-Biphenyl	98.0	U	98.0	190	ug/Kg
91-58-7	2-Chloronaphthalene	96.9	U	96.9	190	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	190	ug/Kg
131-11-3	Dimethylphthalate	91.7	U	91.7	190	ug/Kg
208-96-8	Acenaphthylene	77.8	U	77.8	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.5	U	88.5	190	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P19A	SDG No.:	O1232
Lab Sample ID:	O1232-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG056372.D	1	01/20/23 12:30	01/20/23 18:05	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	110	U	110	190	ug/Kg
83-32-9	Acenaphthene	89.4	U	89.4	190	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	370	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	370	ug/Kg
132-64-9	Dibenzofuran	84.1	U	84.1	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.9	U	95.9	190	ug/Kg
84-66-2	Diethylphthalate	91.2	U	91.2	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	190	ug/Kg
86-73-7	Fluorene	89.3	U	89.3	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	97.7	U	97.7	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.1	U	93.1	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	190	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	370	ug/Kg
85-01-8	Phenanthrene	1000		94.7	190	ug/Kg
120-12-7	Anthracene	210		95.2	190	ug/Kg
86-74-8	Carbazole	95.4	U	95.4	190	ug/Kg
84-74-2	Di-n-butylphthalate	98.6	U	98.6	190	ug/Kg
206-44-0	Fluoranthene	790		90.4	190	ug/Kg
129-00-0	Pyrene	1200		84.1	190	ug/Kg
85-68-7	Butylbenzylphthalate	93.7	U	93.7	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	370	ug/Kg
56-55-3	Benzo(a)anthracene	520		98.3	190	ug/Kg
218-01-9	Chrysene	570		96.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	390		78.2	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	J	83.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	400		76.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190		110	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	190	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P19A	SDG No.:	O1232
Lab Sample ID:	O1232-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG056372.D	1	01/20/23 12:30	01/20/23 18:05	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	250		110	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	190	ug/Kg
123-91-1	1,4-Dioxane	100	U	100	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	92.0	U	92.0	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	115		18 - 112	77%	SPK: 150
13127-88-3	Phenol-d6	105		21 - 104	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.9		27 - 109	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.1		30 - 103	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	113		10 - 121	75%	SPK: 150
1718-51-0	Terphenyl-d14	70.2		21 - 107	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	36900	8.302			
1146-65-2	Naphthalene-d8	139000	11.134			
15067-26-2	Acenaphthene-d10	115000	14.912			
1517-22-2	Phenanthrene-d10	282000	17.65			
1719-03-5	Chrysene-d12	266000	21.945			
1520-96-3	Perylene-d12	295000	25.382			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	630	AB		5.34	ug/Kg
000119-61-9	Benzophenone	150	J		16.3	ug/Kg
067388-11-8	4-Methylnaphtho[1,2-b]thiophene	160	J		18.2	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	670	J		18.5	ug/Kg
001961-96-2	1H-Indene, 1-phenyl-	570	J		18.6	ug/Kg
000613-12-7	Anthracene, 2-methyl-	210	J		18.6	ug/Kg
000610-48-0	Anthracene, 1-methyl-	790	J		18.7	ug/Kg
000832-71-3	Phenanthrene, 3-methyl-	330	J		18.7	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	230	J		19.0	ug/Kg
000084-65-1	9,10-Anthracenedione	210	J		19.1	ug/Kg
003674-69-9	Phenanthrene, 4,5-dimethyl-	230	J		19.2	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	540	J		19.4	ug/Kg
002789-88-0	di-p-Tolylacetylene	200	J		19.5	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P19A	SDG No.:	O1232
Lab Sample ID:	O1232-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG056372.D	1	01/20/23 12:30	01/20/23 18:05	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
022360-62-9	1-Methyl-3-phenyl-1H-indene	360	J		19.6	ug/Kg
002381-21-7	Pyrene, 1-methyl-	180	J		20.4	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	220	J		20.5	ug/Kg
003442-78-2	Pyrene, 2-methyl-	140	J		20.7	ug/Kg
003353-12-6	Pyrene, 4-methyl-	130	J		20.8	ug/Kg
018435-45-5	1-Nonadecene	180	J		21.5	ug/Kg
000192-97-2	Benzo[e]pyrene	380	J		25.1	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **BG056372.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 23 00:01:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.302	152	36892	20.000	ng		0.00
21) Naphthalene-d8	11.134	136	139086	20.000	ng	#	0.00
39) Acenaphthene-d10	14.912	164	114800	20.000	ng		0.00
64) Phenanthrene-d10	17.650	188	281635	20.000	ng		0.00
76) Chrysene-d12	21.945	240	266133	20.000	ng	#	0.00
86) Perylene-d12	25.382	264	294871	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.823	112	237729	115.056	ng		0.00
7) Phenol-d6	7.444	99	331824	104.574	ng		0.00
23) Nitrobenzene-d5	9.477	82	173640	63.859	ng		0.00
42) 2,4,6-Tribromophenol	16.398	330	164238	112.962	ng		0.00
45) 2-Fluorobiphenyl	13.543	172	574610	69.118	ng		0.00
79) Terphenyl-d14	20.229	244	1042959	70.190	ng		0.00
Target Compounds							Qvalue
52) Acenaphthene	14.977	154	14207	2.068	ng		94
58) Fluorene	15.952	166	19733	2.159	ng		95
71) Phenanthrene	17.691	178	389306	26.674	ng		97
72) Anthracene	17.785	178	83597	5.552	ng		100
75) Fluoranthene	19.689	202	397983	20.904	ng		99
78) Pyrene	20.047	202	614463	32.757	ng		98
81) Benzo(a)anthracene	21.921	228	258895	13.850	ng		99
83) Chrysene	21.992	228	262360	14.984	ng		100
87) Indeno(1,2,3-cd)pyrene	29.319	276	105537	4.921	ng	#	96
88) Benzo(b)fluoranthene	24.283	252	194788	10.397	ng	#	98
89) Benzo(k)fluoranthene	24.348	252	62797m	3.366	ng		
90) Benzo(a)pyrene	25.218	252	191520	10.481	ng	#	97
92) Benzo(g,h,i)perylene	30.570	276	116828	6.701	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BG056372.D**

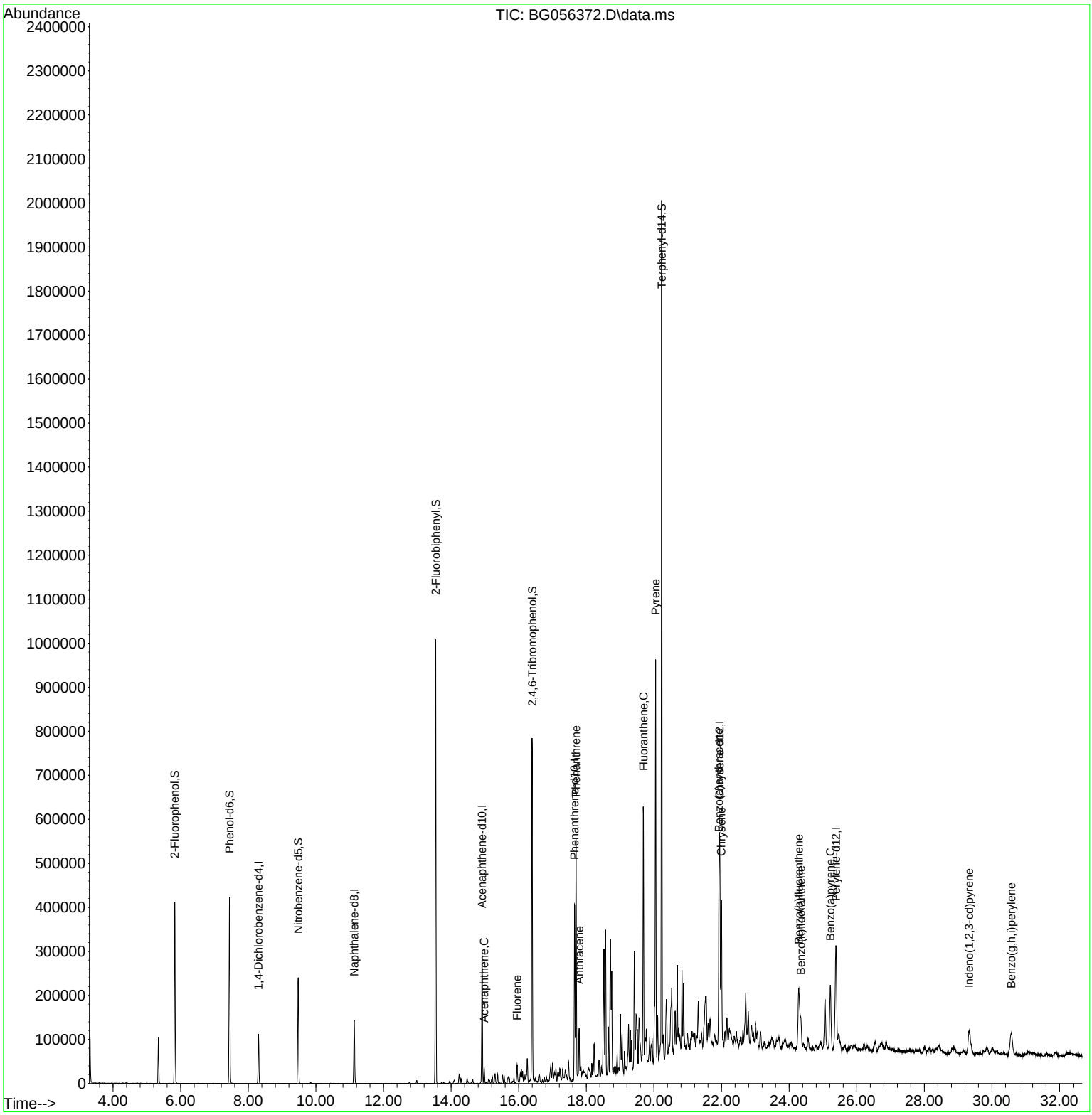
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

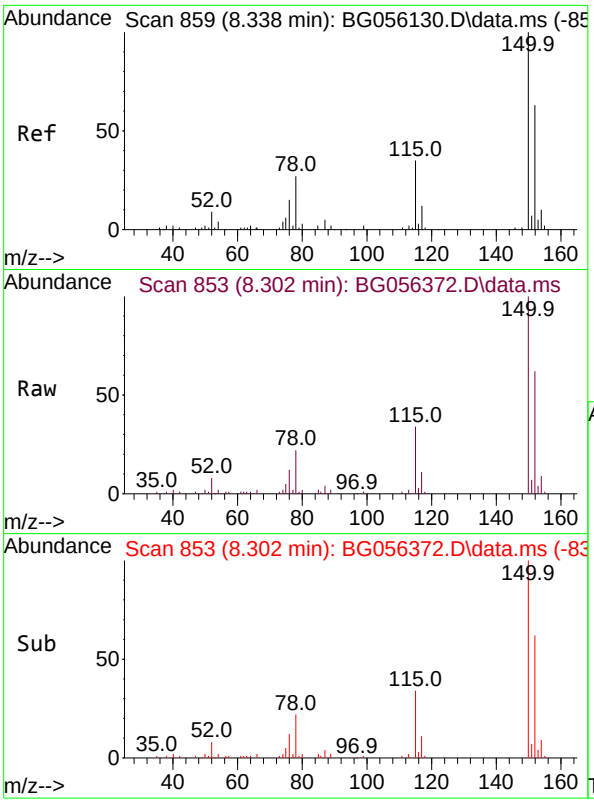
Quant Time: Jan 23 00:01:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

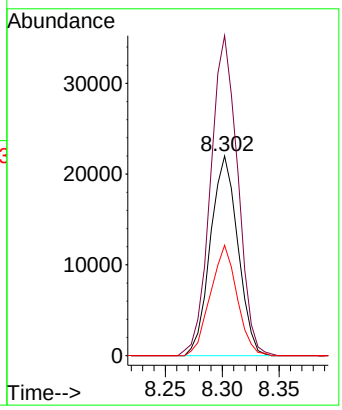




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.302 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:152 Resp: 3689

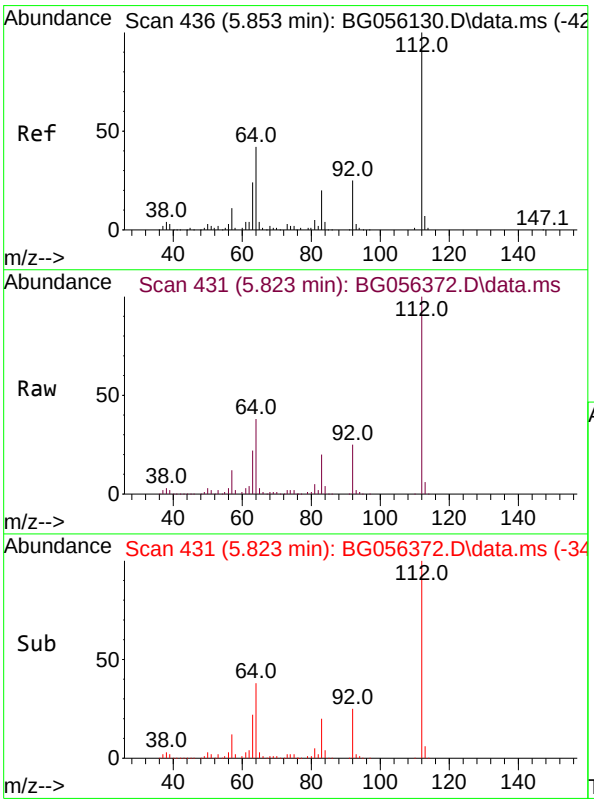
Ion	Ratio	Lower	Upper
152	100		
150	160.3	127.9	191.9
115	55.3	44.2	66.2



Instrument :
BNA_G
ClientSampleId :
B-P-19A

Manual Integrations
APPROVED

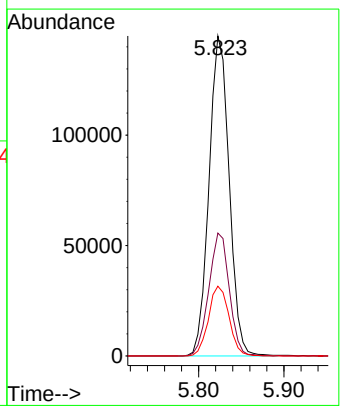
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

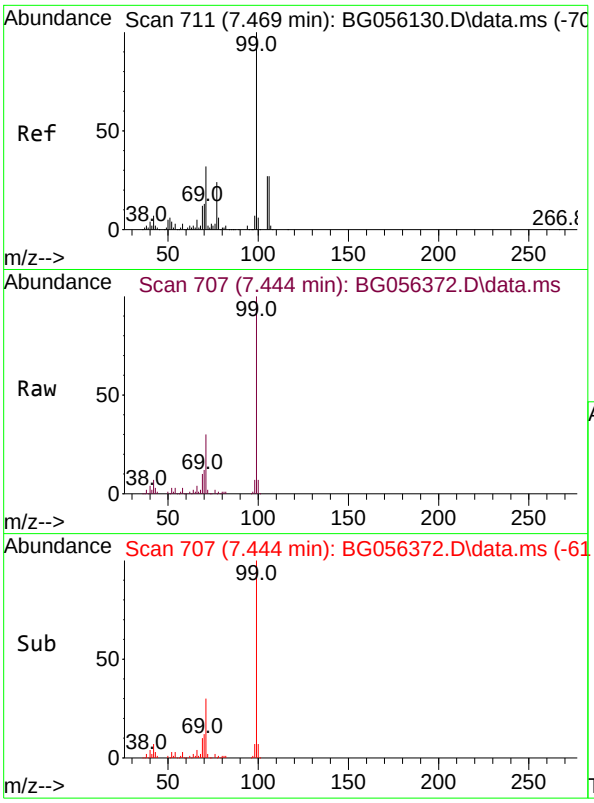


#5
2-Fluorophenol
Concen: 115.056 ng
RT: 5.823 min Scan# 431
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:112 Resp: 237729

Ion	Ratio	Lower	Upper
112	100		
64	38.4	33.3	49.9
63	21.8	19.0	28.4

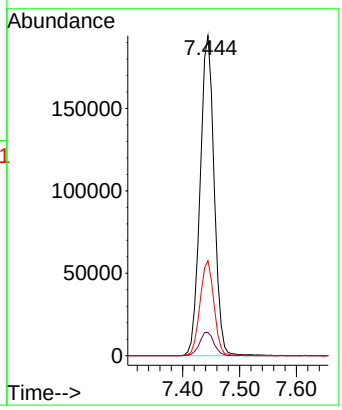




#7
Phenol-d6
Concen: 104.574 ng
RT: 7.444 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion: 99 Resp: 33182

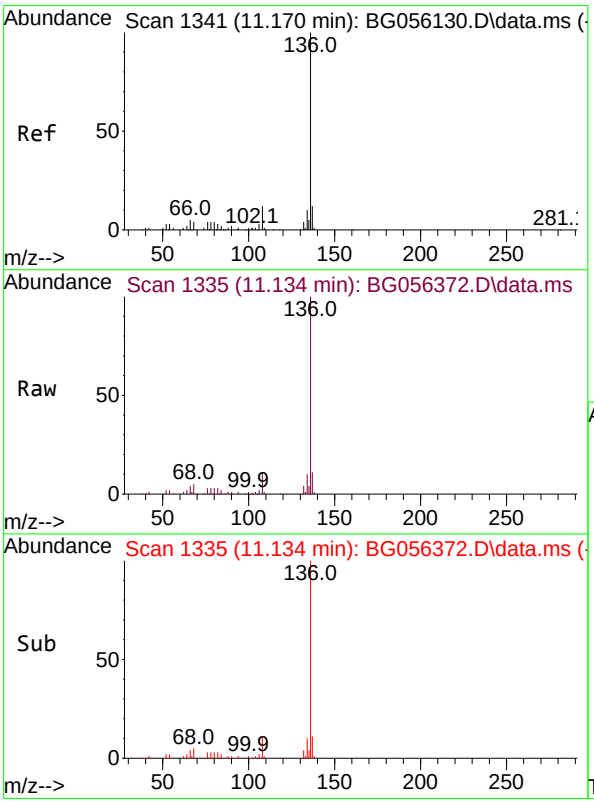
Ion	Ratio	Lower	Upper
99	100		
42	7.2	5.9	8.9
71	29.7	25.4	38.2



Instrument :
BNA_G
ClientSampleId :
B-P-19A

Manual Integrations
APPROVED

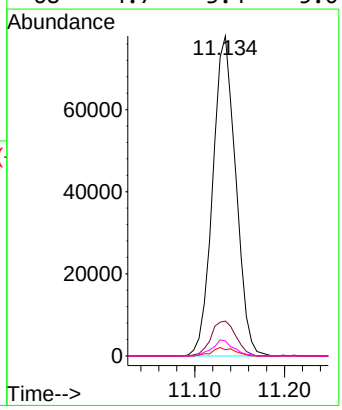
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

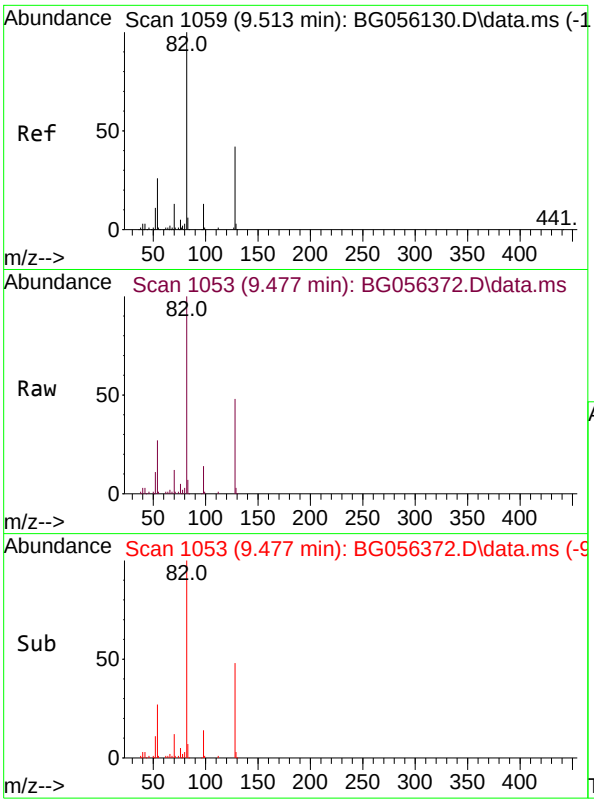


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.134 min Scan# 1335
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:136 Resp: 139086

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.4	14.0
54	1.9	2.2	3.2#
68	4.7	3.4	5.0





#23
Nitrobenzene-d5
Concen: 63.859 ng
RT: 9.477 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

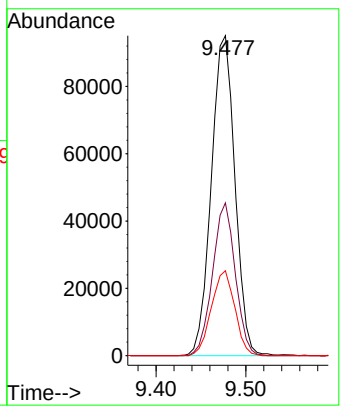
Tgt Ion: 82 Resp: 17364

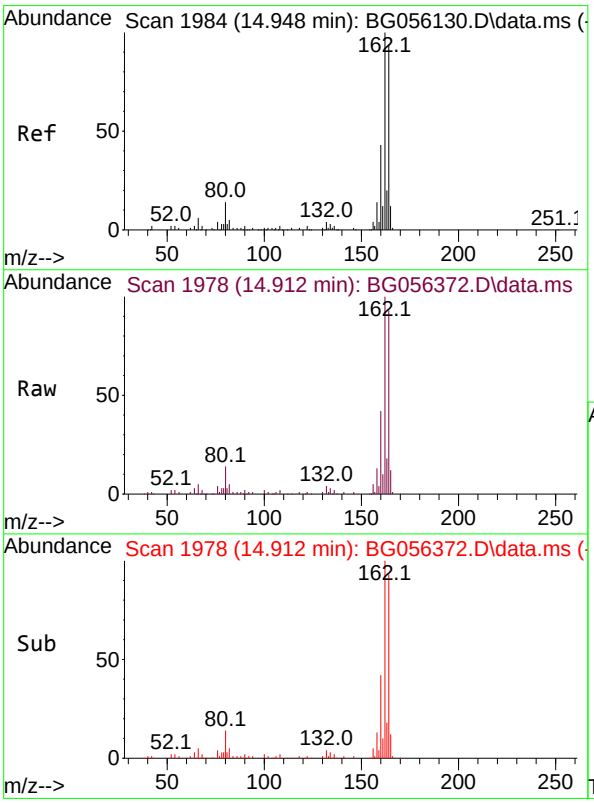
Ion	Ratio	Lower	Upper
82	100		
128	47.7	33.4	50.2
54	26.5	20.3	30.5

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

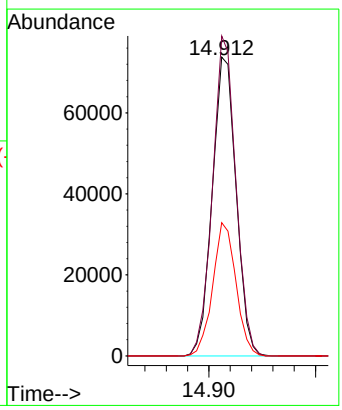


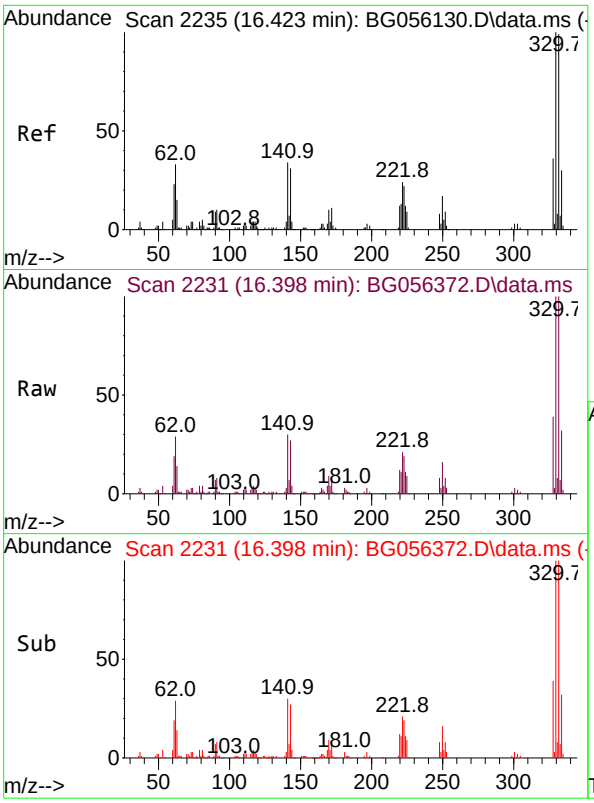


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.912 min Scan# 1978
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:164 Resp: 114800

Ion	Ratio	Lower	Upper
164	100		
162	107.1	84.7	127.1
160	44.6	36.3	54.5

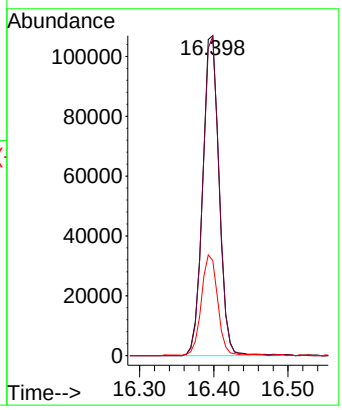




#42
2,4,6-Tribromophenol
Concen: 112.962 ng
RT: 16.398 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:330 Resp: 16423

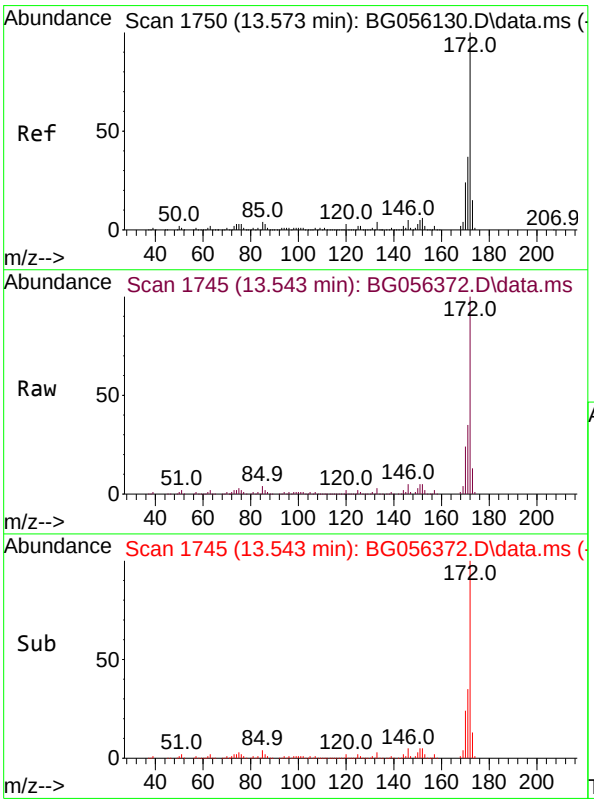
Ion	Ratio	Lower	Upper
330	100		
332	99.0	77.3	115.9
141	31.7	27.9	41.9



Instrument :
BNA_G
ClientSampleId :
B-P-19A

Manual Integrations
APPROVED

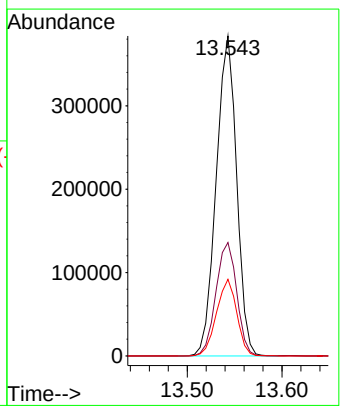
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

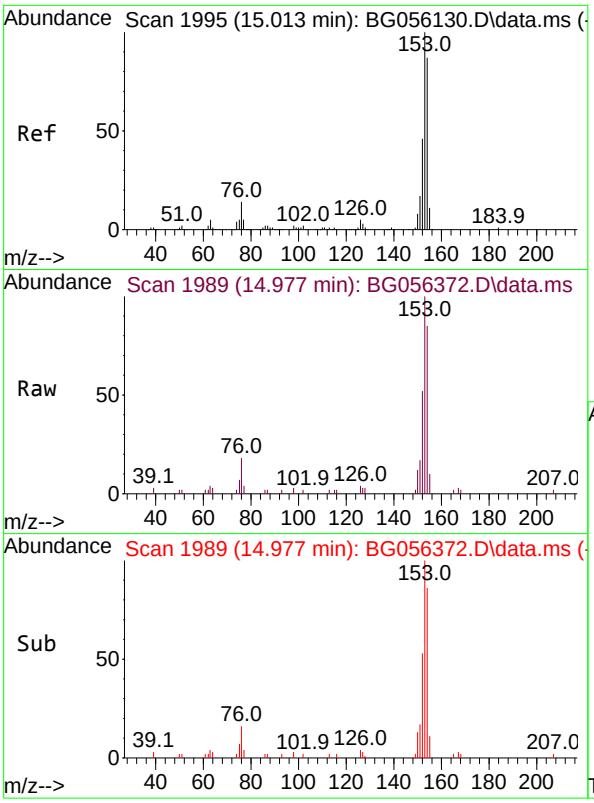


#45
2-Fluorobiphenyl
Concen: 69.118 ng
RT: 13.543 min Scan# 1745
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:172 Resp: 574610

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	24.0	19.4	29.2

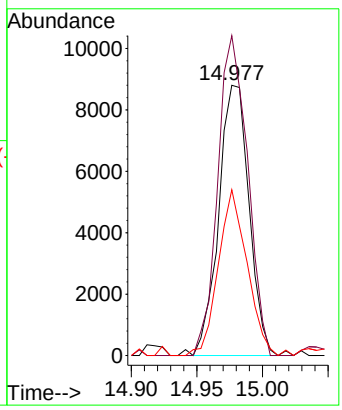




#52
Acenaphthene
Concen: 2.068 ng
RT: 14.977 min Scan# 19
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:154 Resp: 1420

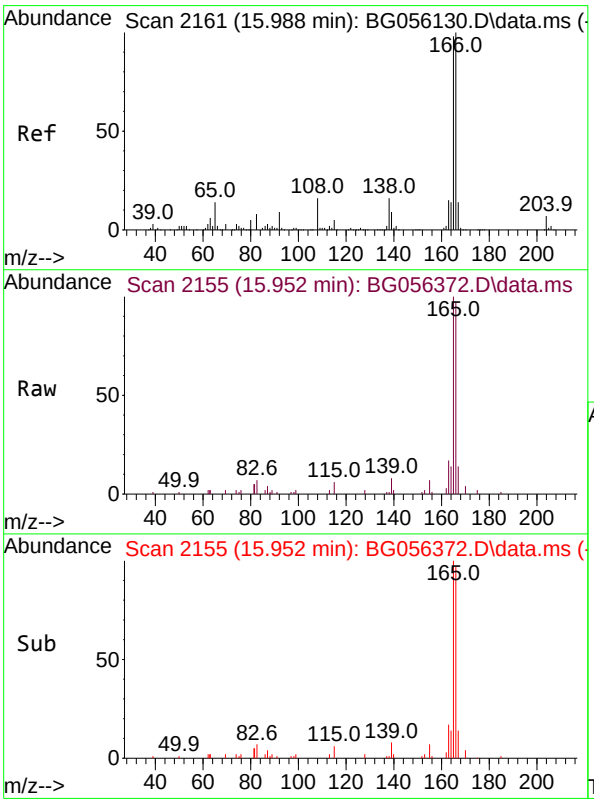
Ion	Ratio	Lower	Upper
154	100		
153	118.3	92.0	138.0
152	61.3	42.5	63.7



Instrument :
BNA_G
ClientSampleId :
B-P-19A

Manual Integrations
APPROVED

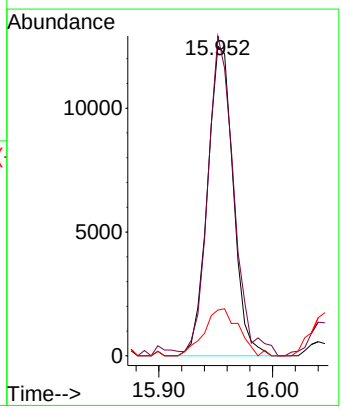
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

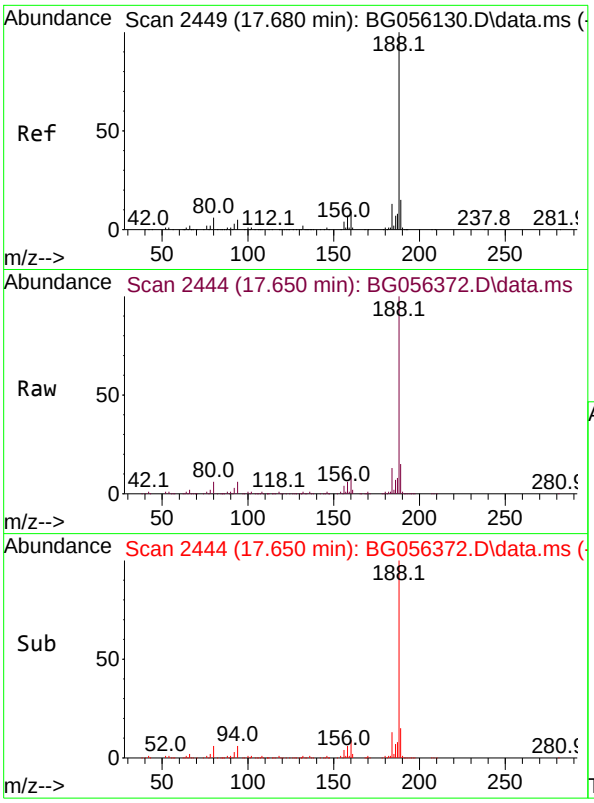


#58
Fluorene
Concen: 2.159 ng
RT: 15.952 min Scan# 2155
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:166 Resp: 19733

Ion	Ratio	Lower	Upper
166	100		
165	103.3	78.6	118.0
167	14.8	11.1	16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.650 min Scan# 24
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

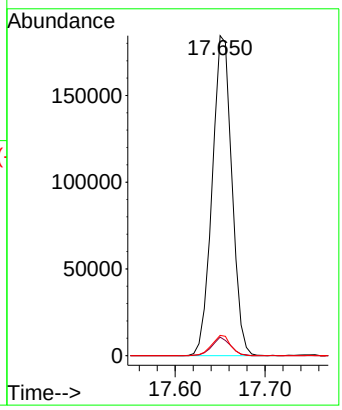
Tgt Ion:188 Resp: 28163

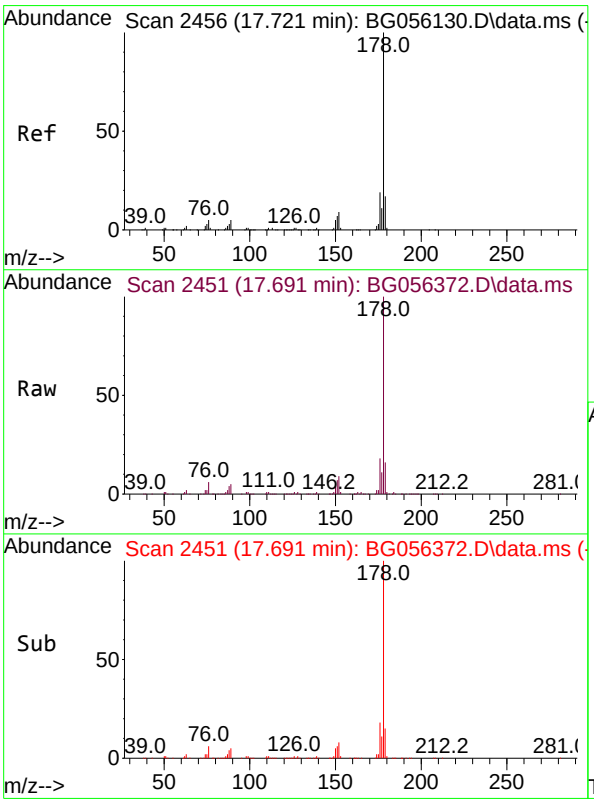
Ion	Ratio	Lower	Upper
188	100		
94	5.8	4.2	6.2
80	6.3	5.0	7.4

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

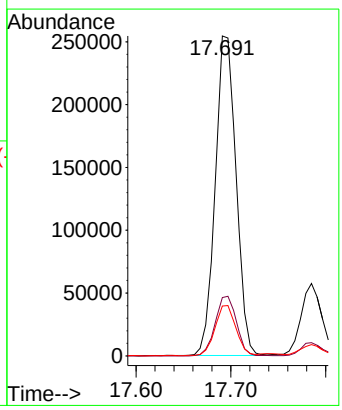


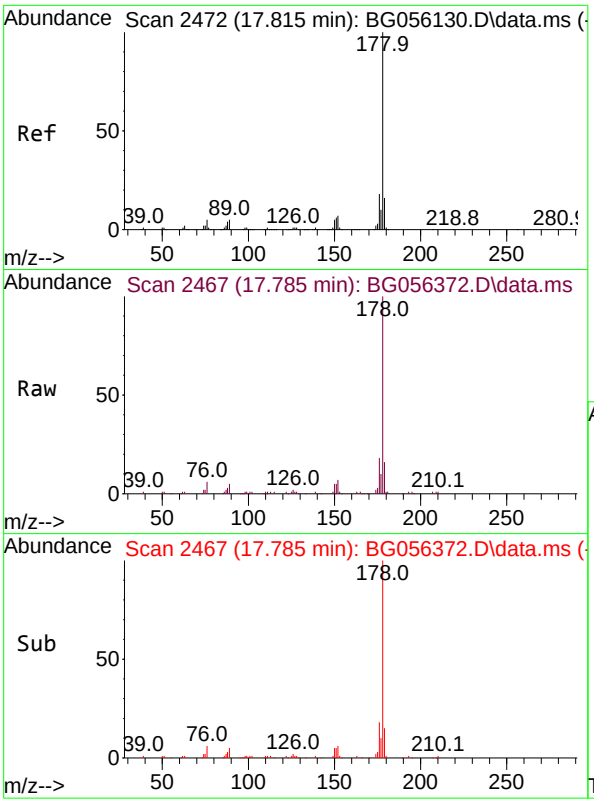


#71
Phenanthrene
Concen: 26.674 ng
RT: 17.691 min Scan# 2451
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:178 Resp: 389306

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.0
179	15.6	13.6	20.4





#72
Anthracene
Concen: 5.552 ng
RT: 17.785 min Scan# 24
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

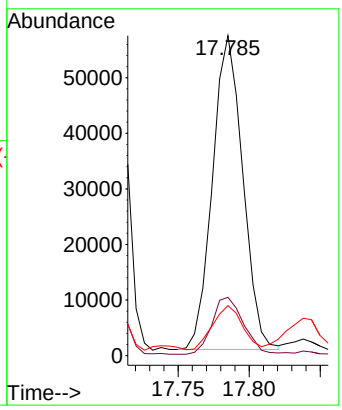
Tgt Ion:178 Resp: 8359

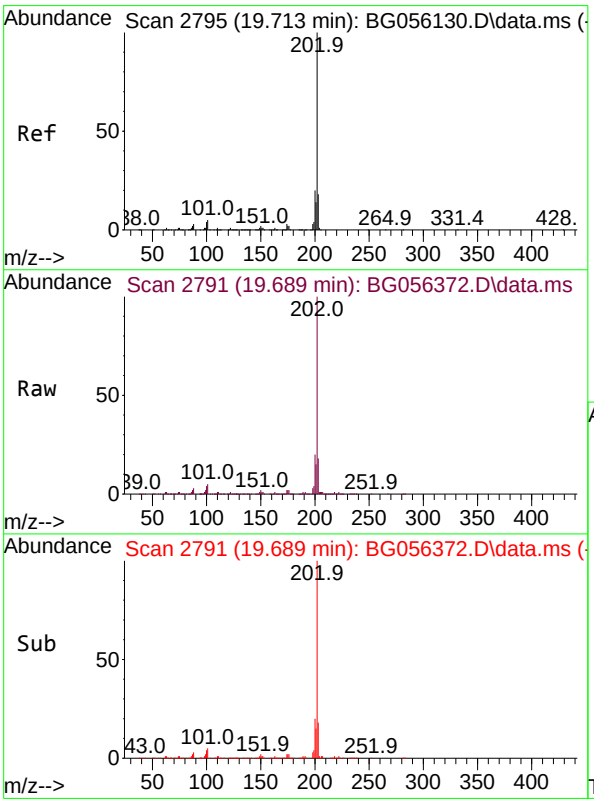
Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.6	12.7	19.1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

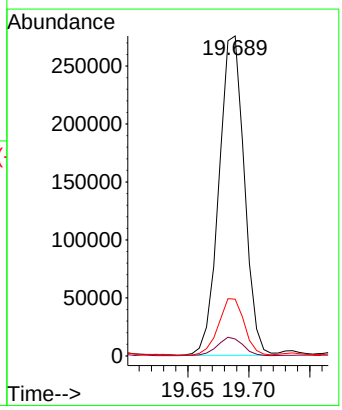


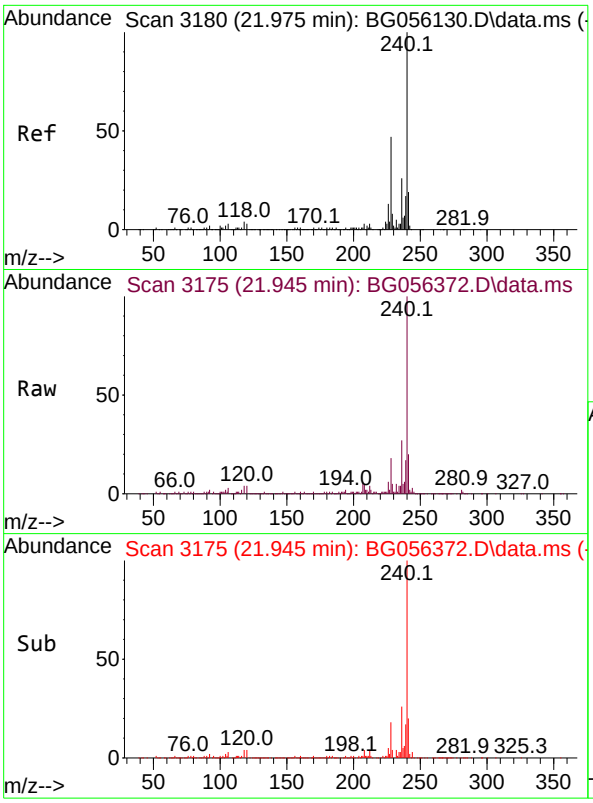


#75
Fluoranthene
Concen: 20.904 ng
RT: 19.689 min Scan# 2791
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:202 Resp: 397983

Ion	Ratio	Lower	Upper
202	100		
101	5.3	0.0	25.0
203	17.7	0.0	38.0

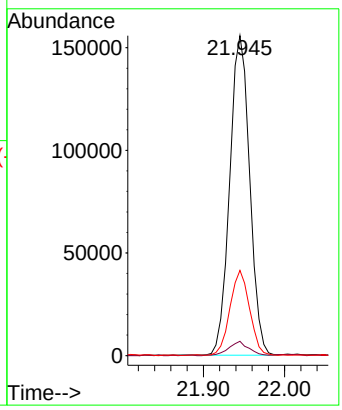




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.945 min Scan# 3
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:240 Resp: 26613

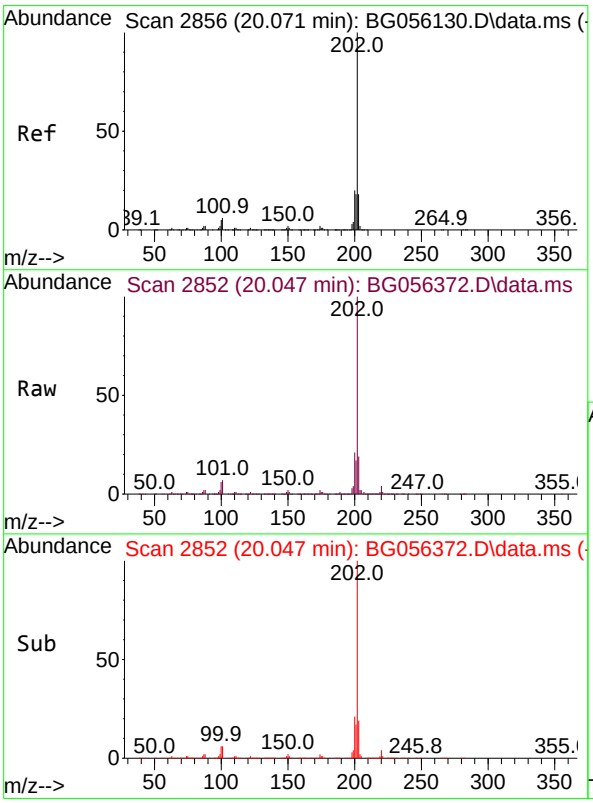
Ion	Ratio	Lower	Upper
240	100		
120	4.5	2.6	4.0
236	26.6	20.8	31.2



Instrument :
BNA_G
ClientSampleId :
B-P-19A

Manual Integrations
APPROVED

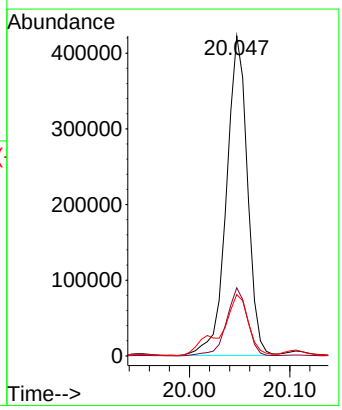
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

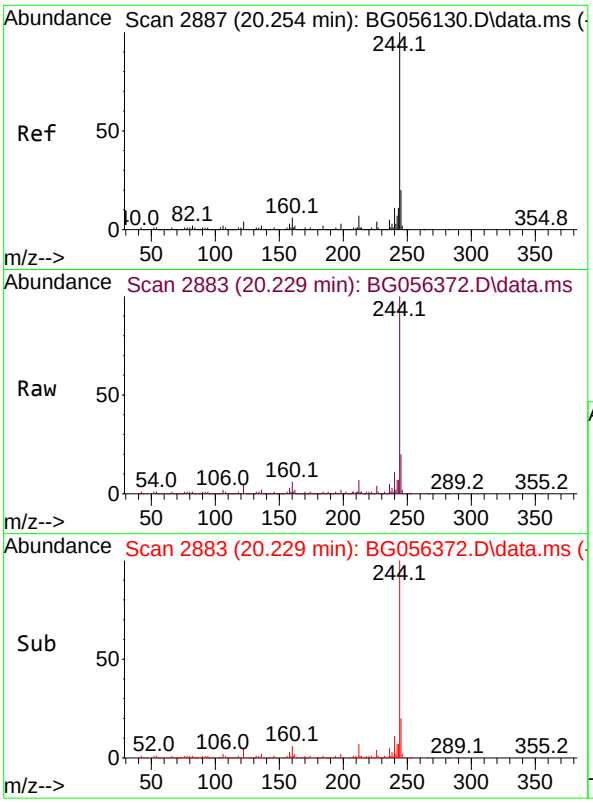


#78
Pyrene
Concen: 32.757 ng
RT: 20.047 min Scan# 2852
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:202 Resp: 614463

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.4	24.6
203	19.2	14.3	21.5





#79
Terphenyl-d14
Concen: 70.190 ng
RT: 20.229 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

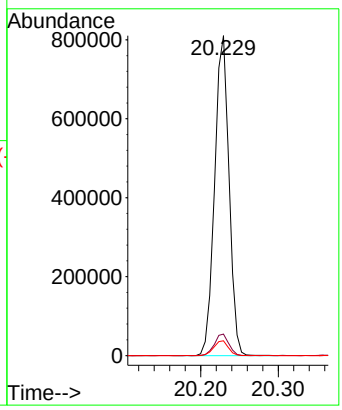
Tgt Ion:244 Resp: 1042959

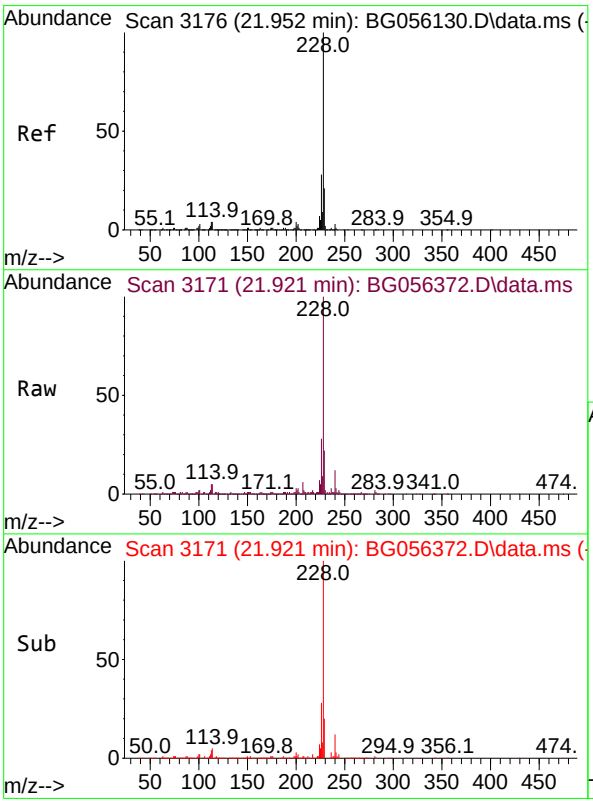
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	4.6	3.5	5.3

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

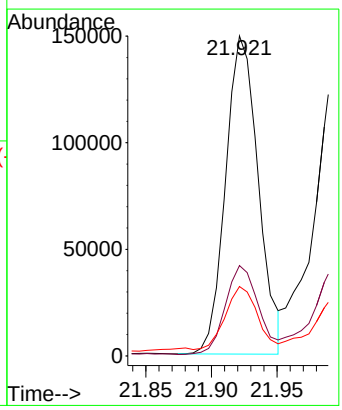


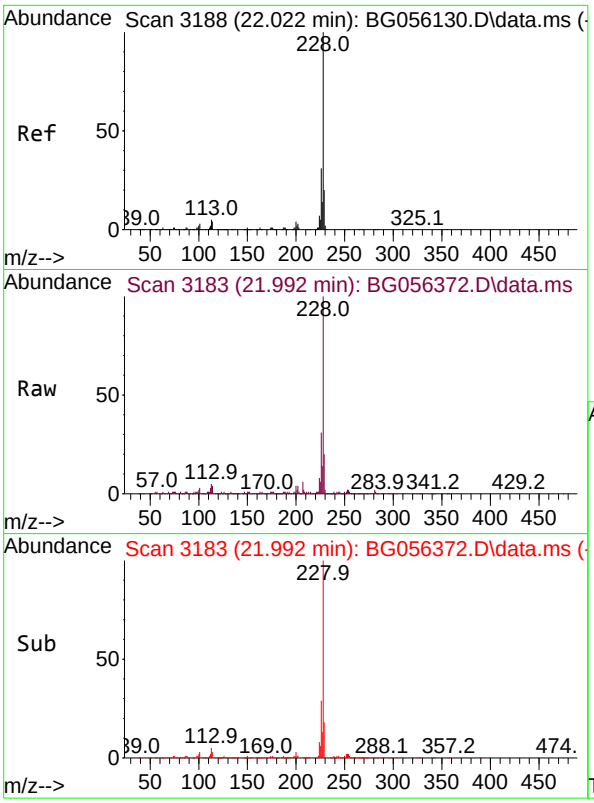


#81
Benzo(a)anthracene
Concen: 13.850 ng
RT: 21.921 min Scan# 3171
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:228 Resp: 258895

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	34.0
229	21.7	16.9	25.3





#83
Chrysene
Concen: 14.984 ng
RT: 21.992 min Scan# 3
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

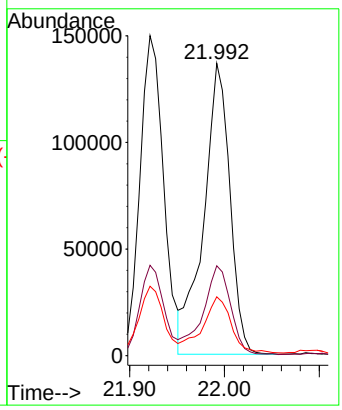
Tgt Ion:228 Resp: 26236

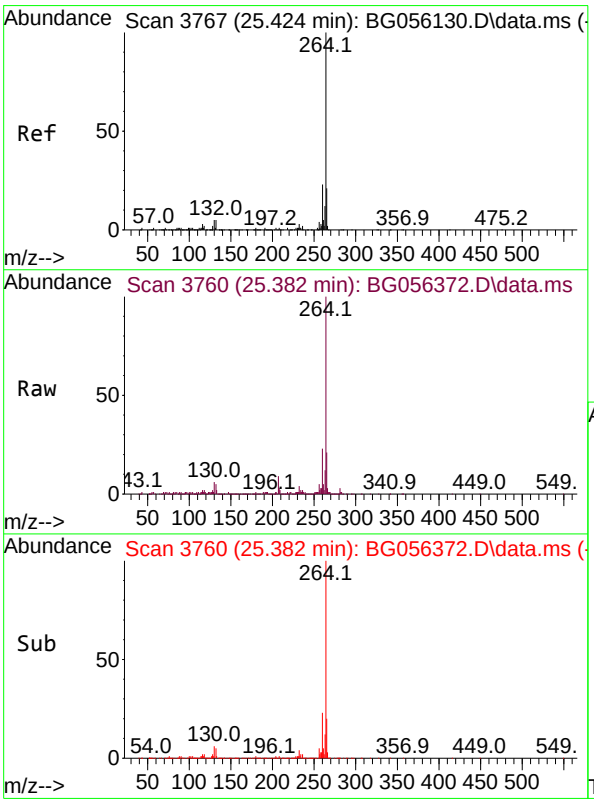
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	36.8
229	20.1	15.8	23.6

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

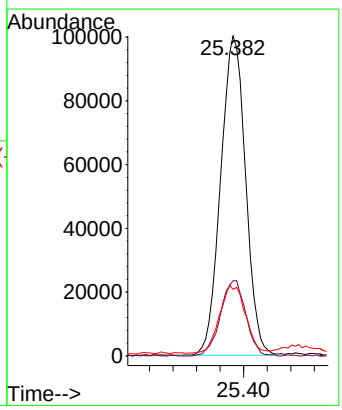


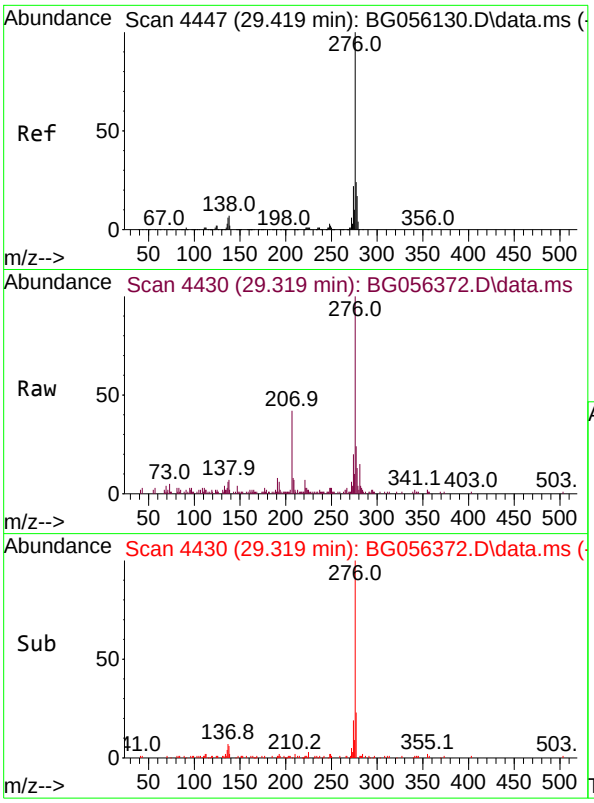


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.382 min Scan# 3760
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:264 Resp: 294871

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	20.8	16.7	25.1

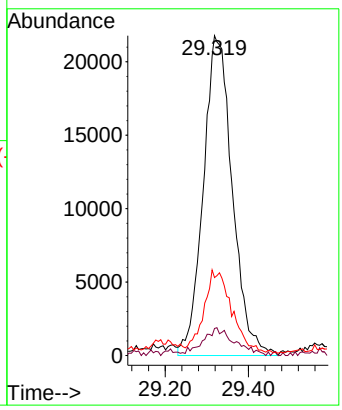




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.921 ng
RT: 29.319 min Scan# 44
Delta R.T. -0.039 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:276 Resp: 10553

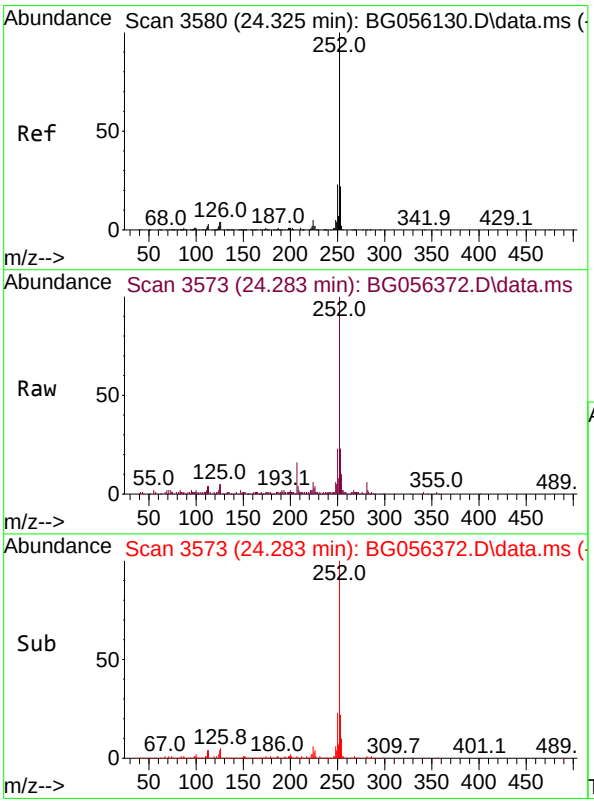
Ion	Ratio	Lower	Upper
276	100		
138	9.6	5.0	7.4#
277	24.2	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
B-P-19A

Manual Integrations
APPROVED

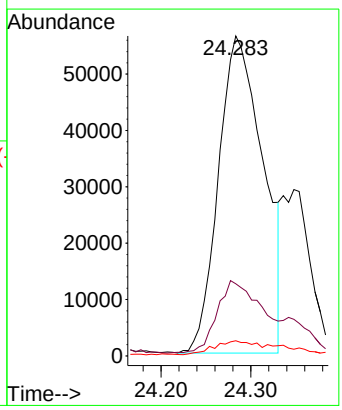
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

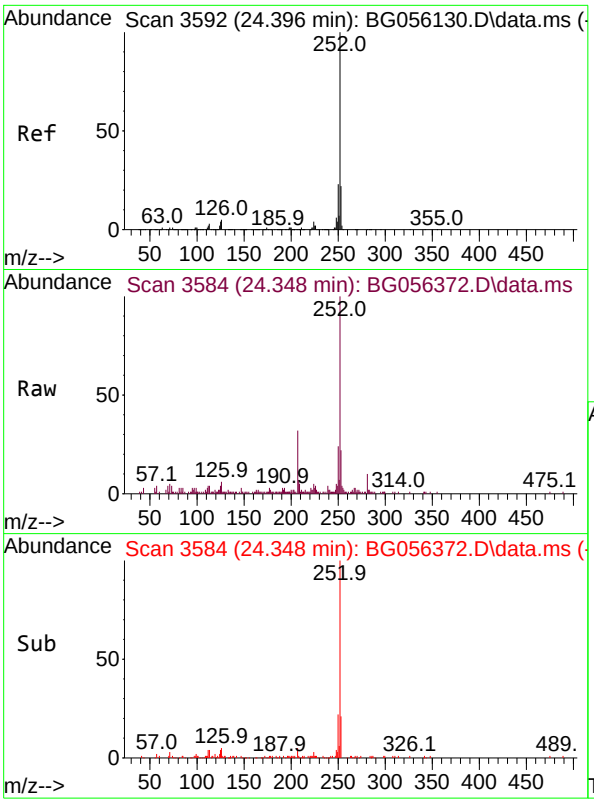


#88
Benzo(b)fluoranthene
Concen: 10.397 ng
RT: 24.283 min Scan# 3573
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:252 Resp: 194788

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	4.7	3.0	4.4#

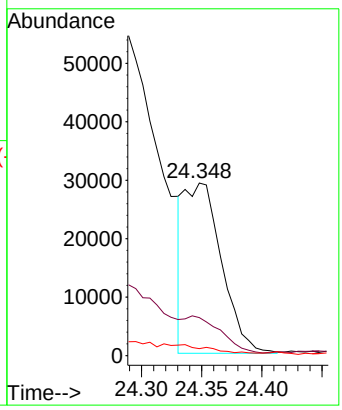




#89
Benzo(k)fluoranthene
Concen: 3.366 ng m
RT: 24.348 min Scan# 3
Delta R.T. -0.021 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:252 Resp: 6279

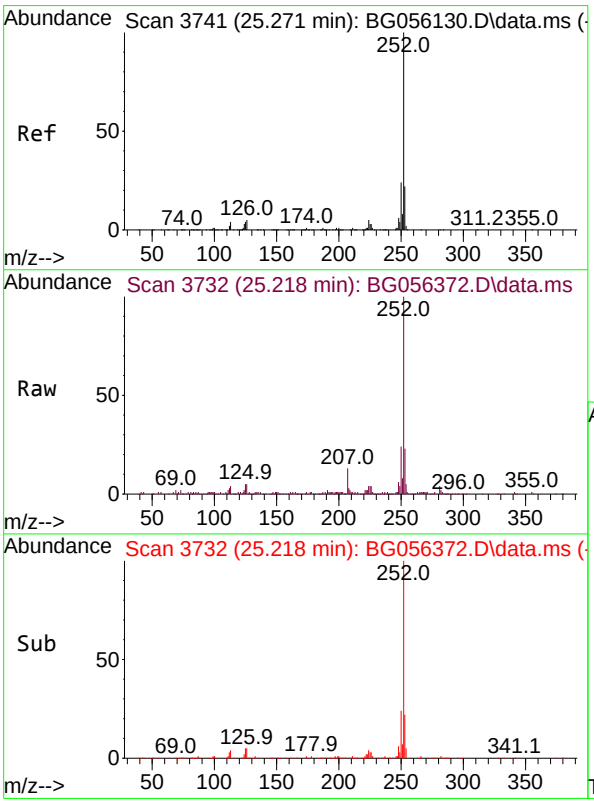
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	4.0	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
B-P-19A

Manual Integrations
APPROVED

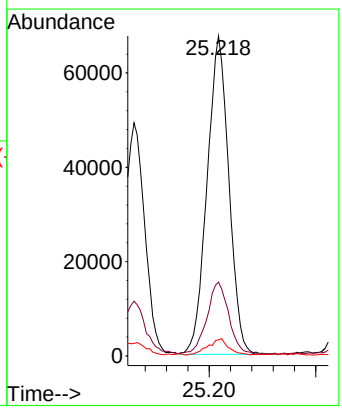
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

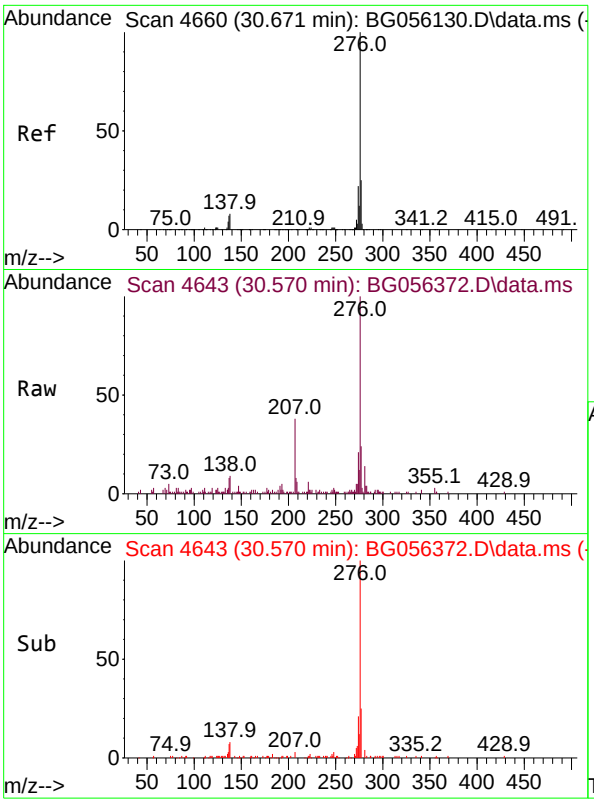


#90
Benzo(a)pyrene
Concen: 10.481 ng
RT: 25.218 min Scan# 3732
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:252 Resp: 191520

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	5.0	3.2	4.8#

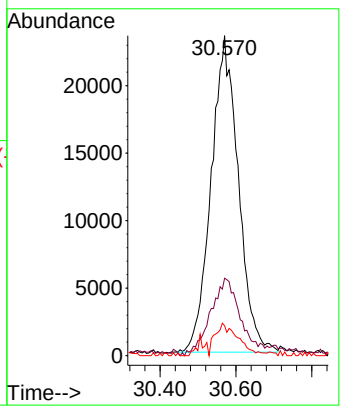




#92
Benzo(g,h,i)perylene
Concen: 6.701 ng
RT: 30.570 min Scan# 4
Delta R.T. -0.027 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:276 Resp: 11682

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.7	29.5
138	9.3	6.7	10.1



Instrument :
BNA_G
ClientSampleId :
B-P-19A

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

Sample Results: **BG056372.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056372.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.341	342	349	356	rVB	103872	154812	6.40%	0.626%
2	5.823	421	431	439	rBV	411278	671471	27.75%	2.714%
3	7.444	699	707	716	rBV	422399	729934	30.17%	2.951%
4	8.302	845	853	862	rBB	112530	185985	7.69%	0.752%
5	9.477	1045	1053	1063	rBV	240250	435310	17.99%	1.760%
6	11.134	1327	1335	1349	rBB	143090	262930	10.87%	1.063%
7	13.543	1737	1745	1755	rBV	1008158	1512465	62.51%	6.114%
8	14.242	1857	1864	1868	rBV2	21290	36946	1.53%	0.149%
9	14.912	1968	1978	1984	rBV	298628	472068	19.51%	1.908%
10	14.977	1984	1989	1995	rVB	37143	57370	2.37%	0.232%
11	15.300	2038	2044	2051	rVV3	20907	39182	1.62%	0.158%
12	15.376	2051	2057	2062	rVB2	20548	29813	1.23%	0.121%
13	15.523	2075	2082	2086	rBV2	18512	33229	1.37%	0.134%
14	15.693	2103	2111	2113	rBV5	15553	34955	1.44%	0.141%
15	15.952	2149	2155	2161	rBV3	41086	72518	3.00%	0.293%
16	16.046	2165	2171	2173	rVV3	21652	33364	1.38%	0.135%
17	16.075	2173	2176	2180	rVV3	31404	52101	2.15%	0.211%
18	16.111	2180	2182	2187	rVV3	26085	36814	1.52%	0.149%
19	16.158	2187	2190	2194	rVV4	18346	31629	1.31%	0.128%
20	16.216	2194	2200	2202	rVV6	19296	42946	1.78%	0.174%
21	16.252	2202	2206	2213	rVB3	55009	91028	3.76%	0.368%
22	16.393	2224	2230	2237	rBV	775814	1169481	48.34%	4.727%
23	16.951	2315	2325	2329	rBV4	40551	94601	3.91%	0.382%
24	17.004	2329	2334	2339	rVB3	34366	55041	2.28%	0.222%
25	17.098	2346	2350	2355	rVB2	27951	49161	2.03%	0.199%
26	17.156	2355	2360	2362	rBV2	20576	35386	1.46%	0.143%
27	17.215	2367	2370	2378	rVV3	27036	50396	2.08%	0.204%
28	17.303	2378	2385	2389	rVV4	25730	45245	1.87%	0.183%
29	17.374	2393	2397	2408	rVV9	22391	58031	2.40%	0.235%
30	17.474	2408	2414	2420	rVV	40487	69989	2.89%	0.283%
31	17.650	2438	2444	2448	rBV	400835	638545	26.39%	2.581%
32	17.697	2448	2452	2458	rVV	540841	821885	33.97%	3.322%
33	17.785	2462	2467	2471	rVV	111226	171679	7.10%	0.694%
34	17.838	2471	2476	2480	rVB3	26223	50242	2.08%	0.203%
35	18.049	2507	2512	2513	rBV3	20404	26544	1.10%	0.107%
36	18.161	2527	2531	2535	rBV	32069	40740	1.68%	0.165%

Sample Results: **BG056372.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.232	2535	2543	2549	rVB	74178	133163	5.50%	0.538%
38	18.373	2562	2567	2573	rVB3	38045	71840	2.97%	0.290%
39	18.443	2574	2579	2583	rBV4	23232	38439	1.59%	0.155%
40	18.520	2584	2592	2596	rVV	288354	569349	23.53%	2.301%
41	18.567	2596	2600	2606	rVB	330963	485027	20.05%	1.961%
42	18.649	2607	2614	2619	rBV	110315	173872	7.19%	0.703%
43	18.708	2619	2624	2629	rVV2	307744	663841	27.44%	2.683%
44	18.749	2629	2631	2639	rVB	232557	280725	11.60%	1.135%
45	18.913	2653	2659	2663	rBV3	45329	69927	2.89%	0.283%
46	19.007	2670	2675	2679	rBV	127939	194821	8.05%	0.788%
47	19.054	2679	2683	2692	rVB3	90997	180201	7.45%	0.728%
48	19.131	2692	2696	2701	rBV	51361	81984	3.39%	0.331%
49	19.248	2708	2716	2721	rBV2	101482	191906	7.93%	0.776%
50	19.301	2721	2725	2728	rBV	74190	87841	3.63%	0.355%
51	19.336	2728	2731	2737	rVB2	68172	90950	3.76%	0.368%
52	19.418	2739	2745	2750	rBV	267546	452554	18.71%	1.829%
53	19.471	2750	2754	2759	rBV2	79163	172362	7.12%	0.697%
54	19.559	2764	2769	2781	rVV6	105180	307048	12.69%	1.241%
55	19.683	2785	2790	2796	rVV	581660	897081	37.08%	3.626%
56	19.736	2796	2799	2803	rVV2	56389	123656	5.11%	0.500%
57	19.777	2803	2806	2811	rVB	73103	99812	4.13%	0.403%
58	19.877	2819	2823	2826	rVB2	54748	75544	3.12%	0.305%
59	19.918	2826	2830	2832	rBV4	37233	54704	2.26%	0.221%
60	20.018	2841	2847	2848	rBV2	132300	192394	7.95%	0.778%
61	20.047	2848	2852	2858	rVV	913886	1308304	54.08%	5.288%
62	20.106	2858	2862	2868	rVB	103449	159495	6.59%	0.645%
63	20.229	2877	2883	2887	rBV	1917034	2419372	100.00%	9.780%
64	20.270	2887	2890	2896	rVB3	53548	87006	3.60%	0.352%
65	20.370	2899	2907	2913	rBV2	131201	316021	13.06%	1.277%
66	20.441	2915	2919	2922	rBV5	19721	37301	1.54%	0.151%
67	20.523	2924	2933	2940	rVB	146337	402670	16.64%	1.628%
68	20.594	2942	2945	2946	rBV2	23691	27681	1.14%	0.112%
69	20.629	2947	2951	2955	rVB2	75530	104136	4.30%	0.421%
70	20.688	2955	2961	2965	rBV	179746	259698	10.73%	1.050%
71	20.723	2965	2967	2972	rVB	29471	31519	1.30%	0.127%
72	20.829	2981	2985	2989	rBV	175600	240207	9.93%	0.971%
73	20.876	2989	2993	3000	rVB	144596	223558	9.24%	0.904%
74	20.993	3009	3013	3016	rVB6	28743	44710	1.85%	0.181%
75	21.275	3056	3061	3062	rBV5	21112	37374	1.54%	0.151%
76	21.310	3062	3067	3072	rVB	98138	168605	6.97%	0.682%

Sample Results: **BG056372.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.522	3091	3103	3105	rBV4	109603	322858	13.34%	1.305%
78	21.598	3113	3116	3121	rBV3	34154	49719	2.06%	0.201%
79	21.939	3165	3174	3180	rBV2	476658	1362670	56.32%	5.508%
80	21.992	3180	3183	3191	rVB	319371	521734	21.56%	2.109%
81	22.104	3198	3202	3205	rBV5	22461	35247	1.46%	0.142%
82	22.156	3207	3211	3216	rVV2	52671	85176	3.52%	0.344%
83	22.715	3302	3306	3312	rVB	94568	165191	6.83%	0.668%
84	22.785	3316	3318	3325	rVB	70813	126736	5.24%	0.512%
85	23.002	3353	3355	3360	rVB2	34872	50359	2.08%	0.204%
86	23.155	3376	3381	3388	rVB4	38337	89124	3.68%	0.360%
87	24.283	3565	3573	3591	rVB4	132638	612603	25.32%	2.476%
88	25.065	3699	3706	3720	rVB	110092	309343	12.79%	1.250%
89	25.218	3724	3732	3744	rVB	148461	440434	18.20%	1.780%
90	25.382	3751	3760	3768	rBV3	216098	617321	25.52%	2.495%

Sum of corrected areas: 24739049

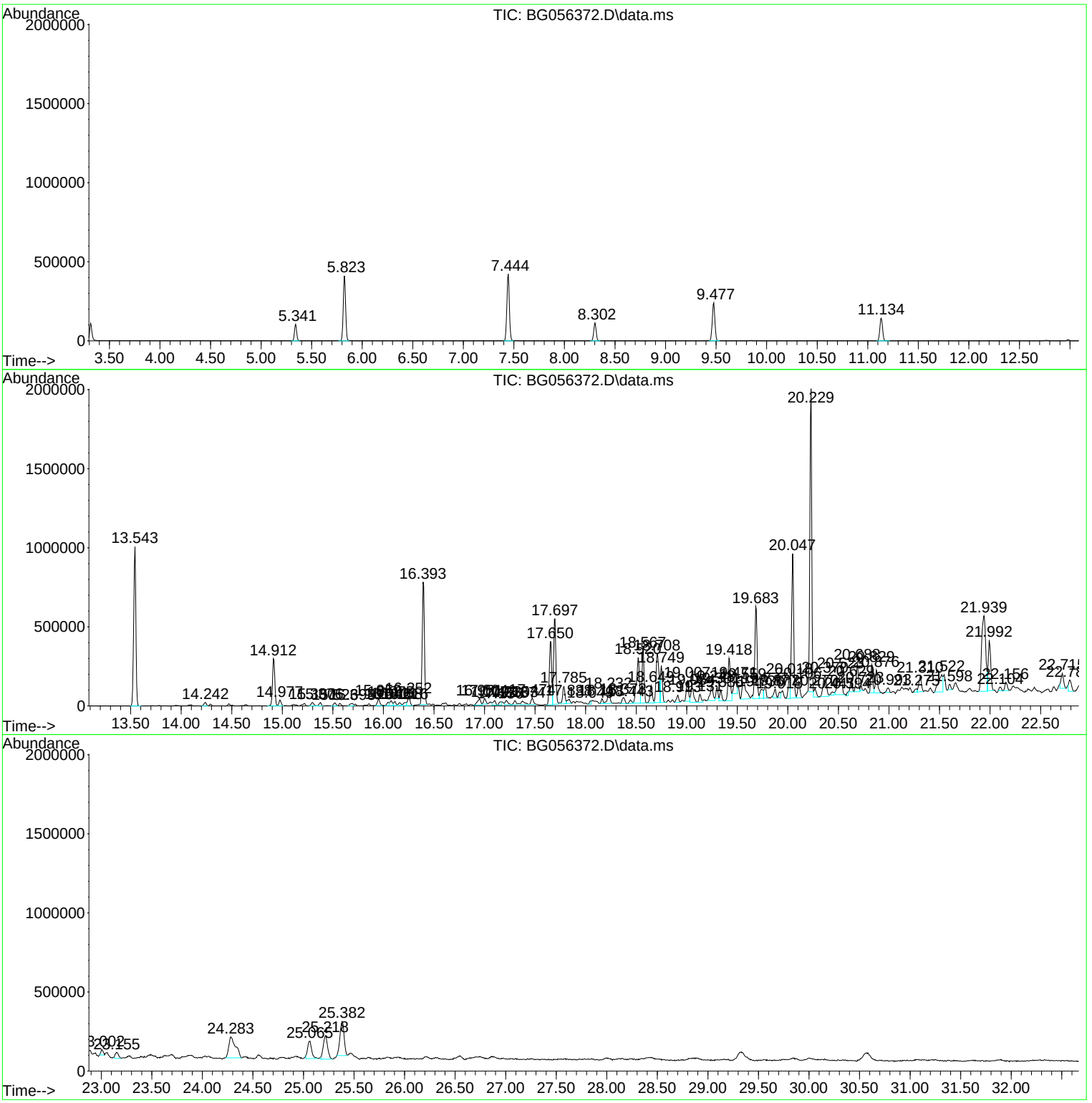
Sample Results: **BG056372.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

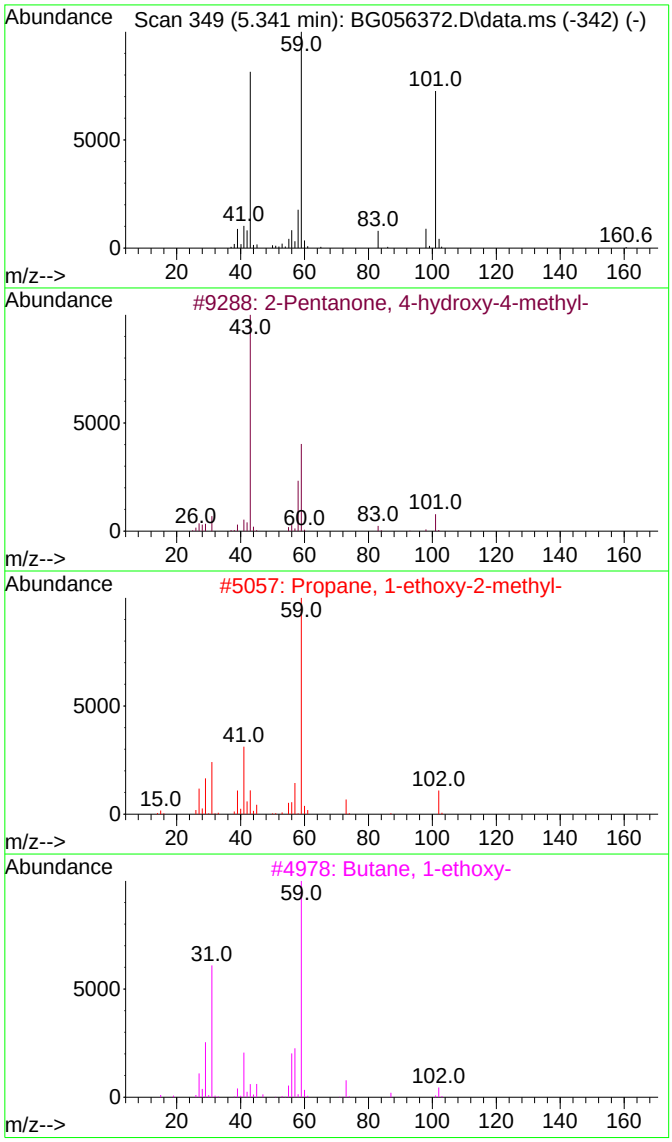
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

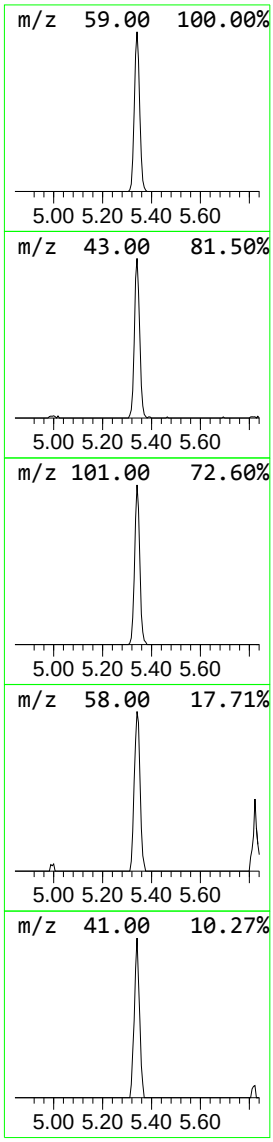
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.341	16.65 ng	154812	1,4-Dichlorobenzene-d4	8.302

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	46
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	25
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23
5	Succinic acid, butyl 2,4-dimethy...	272	C15H28O4	1000349-35-6	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

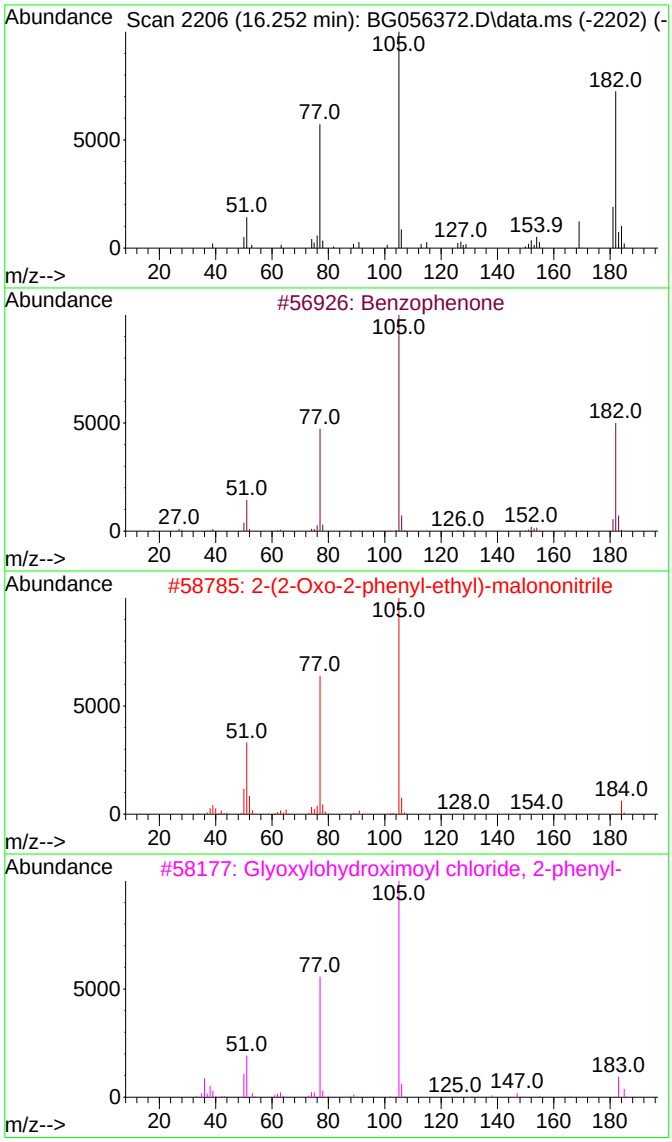
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

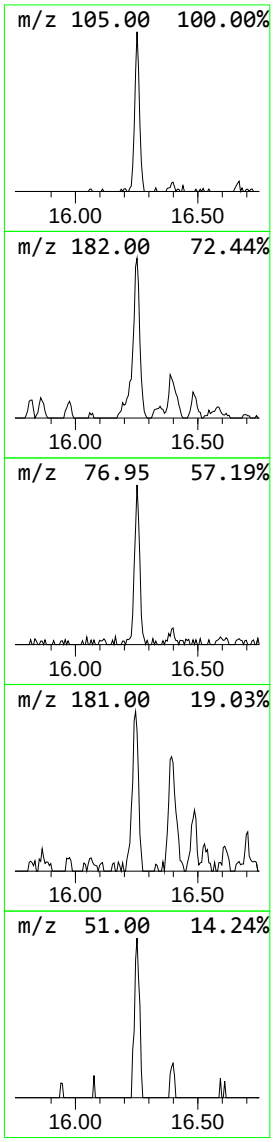
****

Peak Number 2 Benzophenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.252	3.86 ng	91028	Acenaphthene-d10	14.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	76
2	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	38
3	Glyoxylohydroximoyl chloride, 2-...	183	C8H6ClNO2	004937-87-5	30
4	3-Aminocarbazole	182	C12H10N2	006377-12-4	30
5	2-Benzoyloxyacetophenone	240	C15H12O3	004010-33-7	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

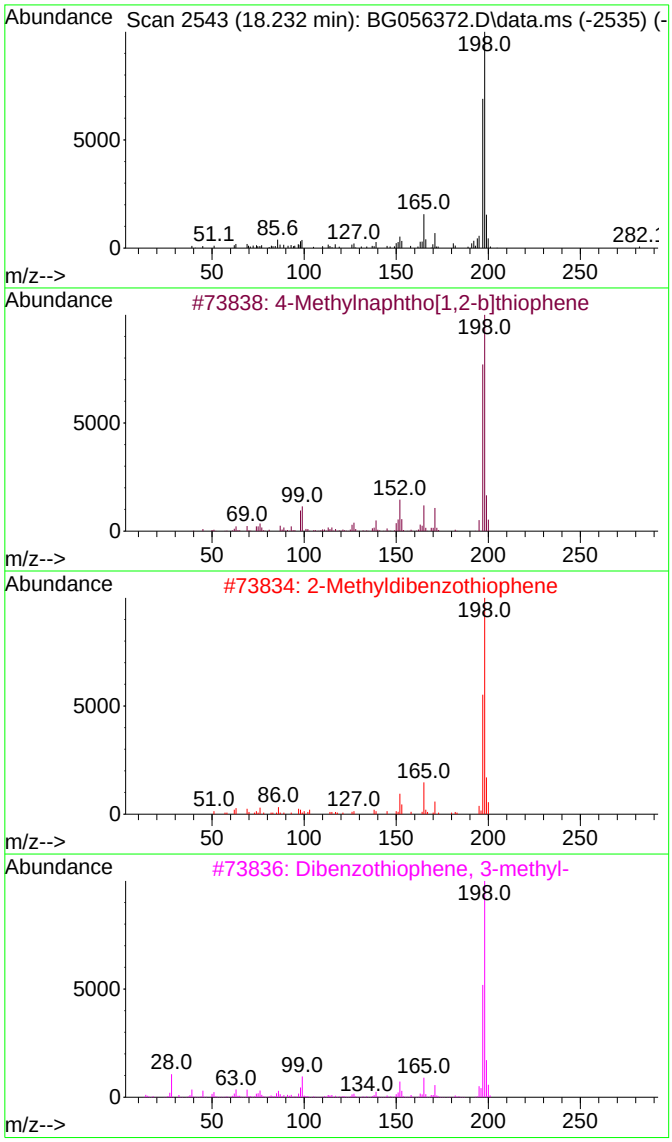
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

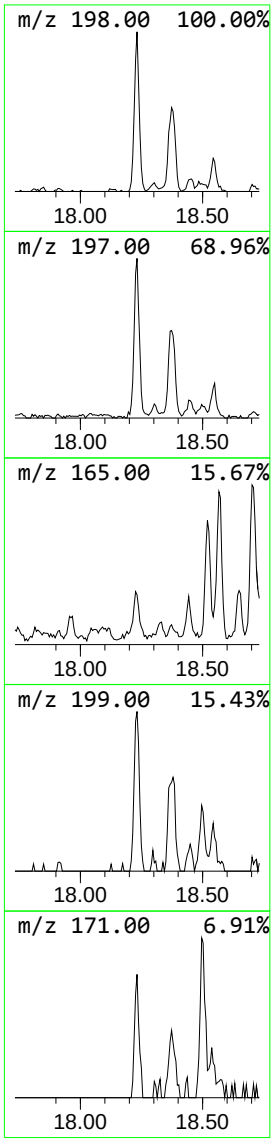
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.232	4.17 ng	133163	Phenanthrene-d10	17.650

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	90
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

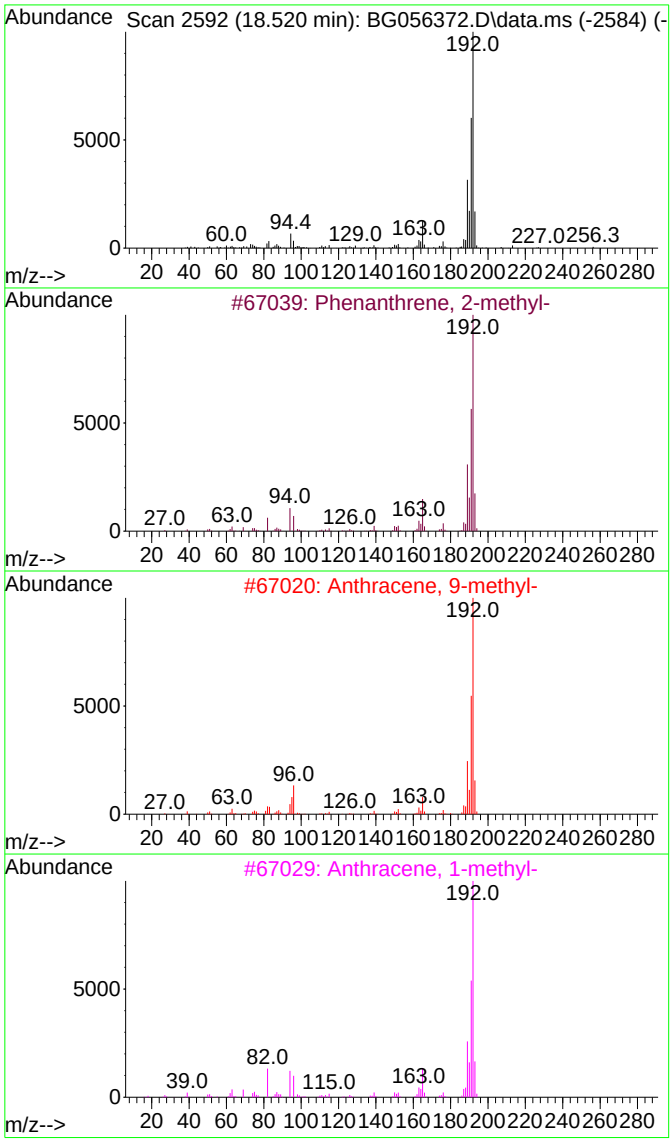
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

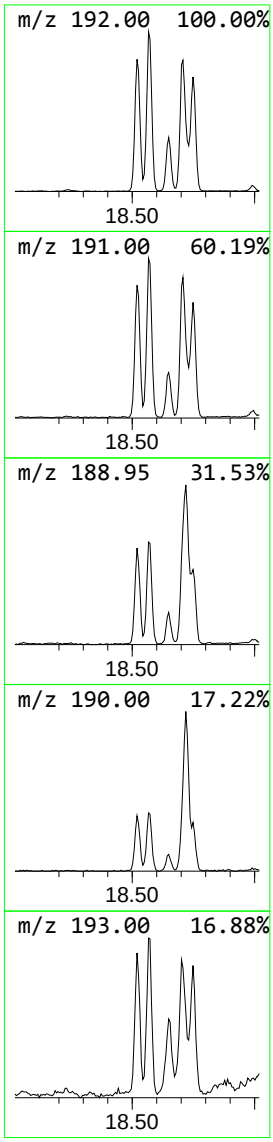
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.520	17.83 ng	569349	Phenanthrene-d10	17.650

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

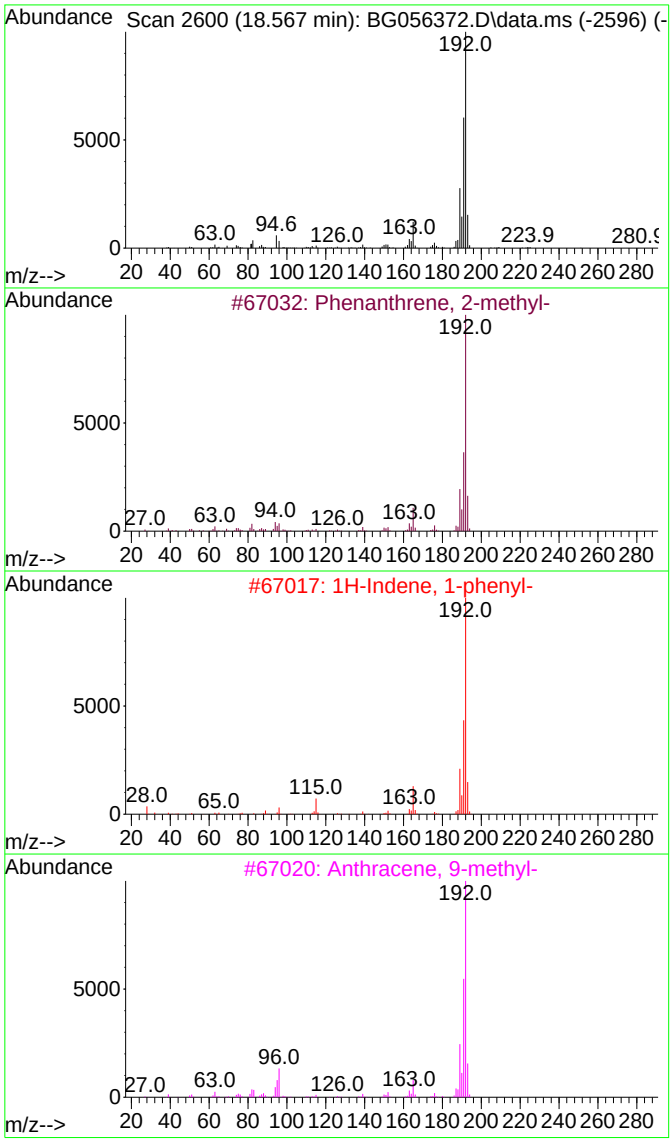
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

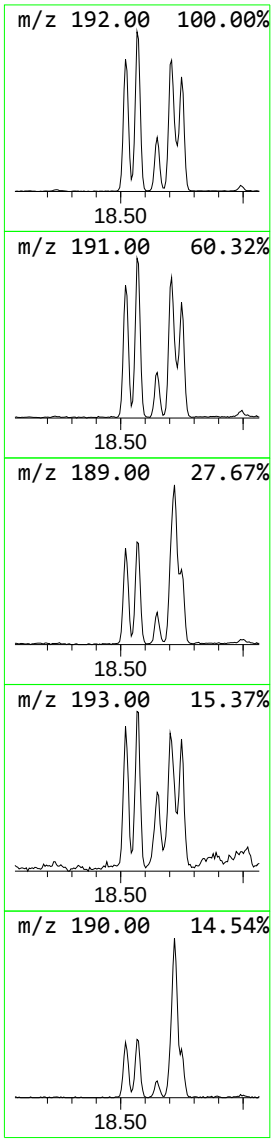
****

Peak Number 5 1H-Indene, 1-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.567	15.19 ng	485027	Phenanthrene-d10	17.650

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

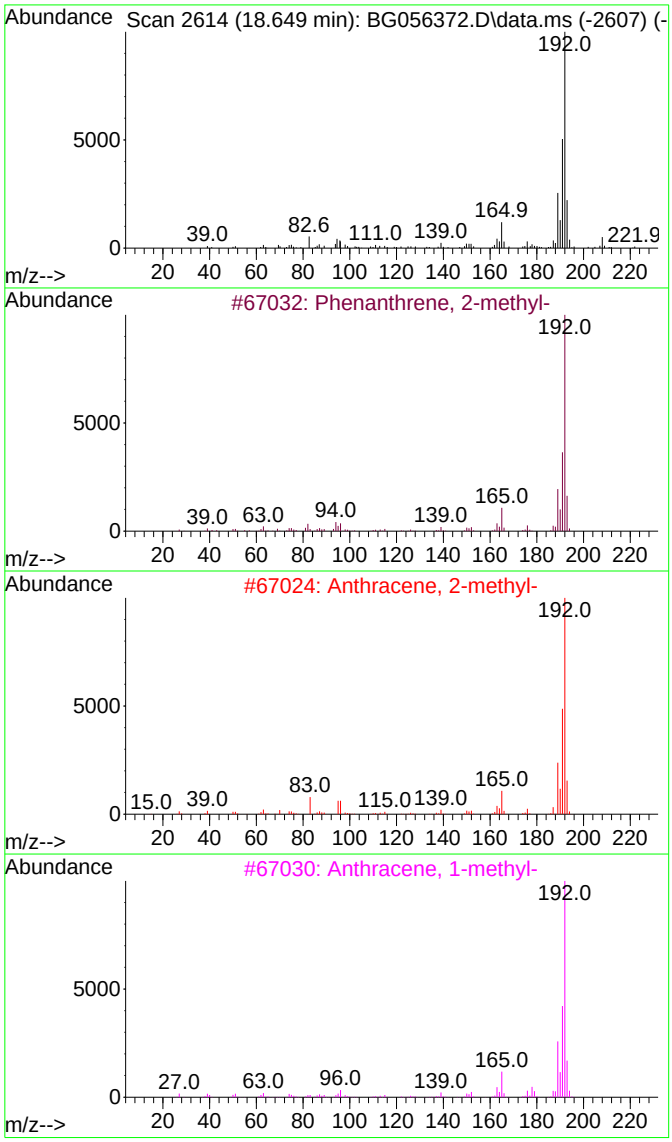
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

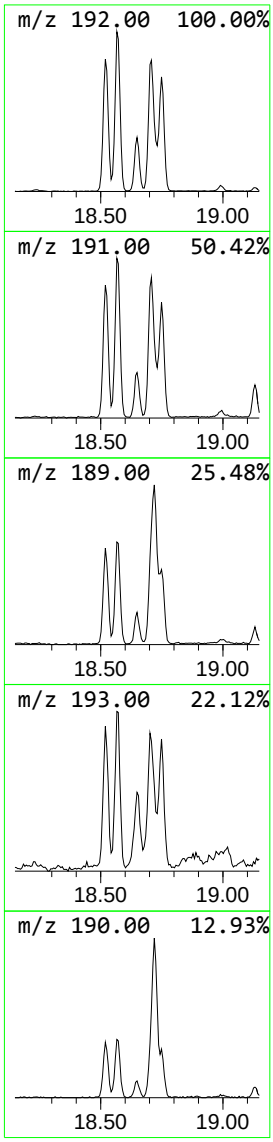
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.649	5.45 ng	173872	Phenanthrene-d10	17.650

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

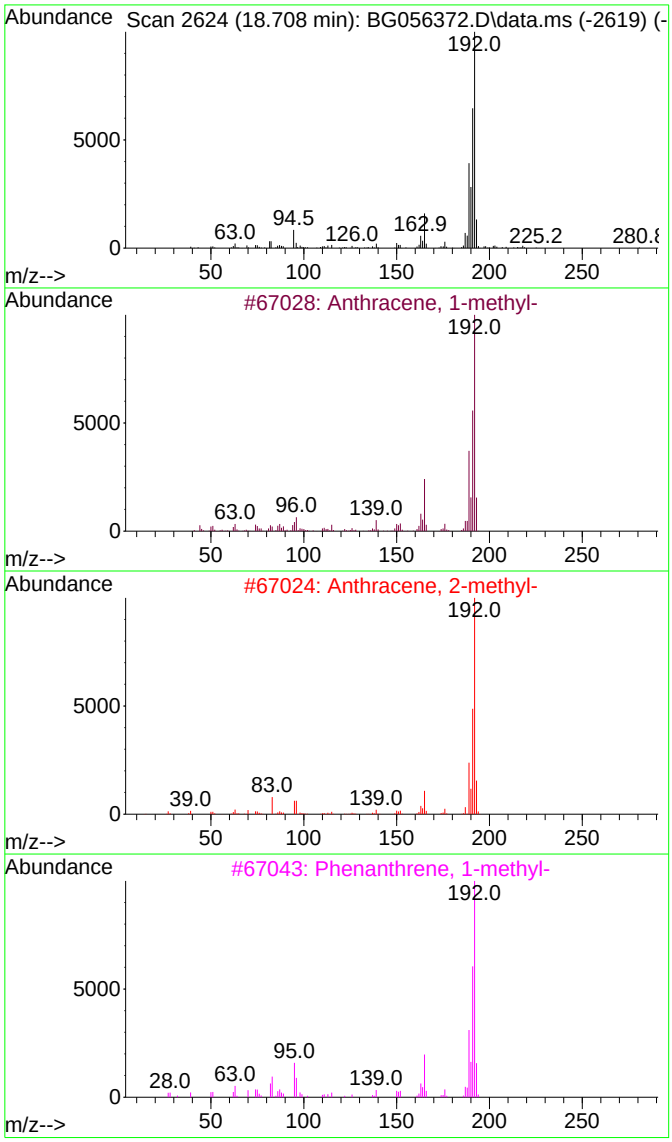
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

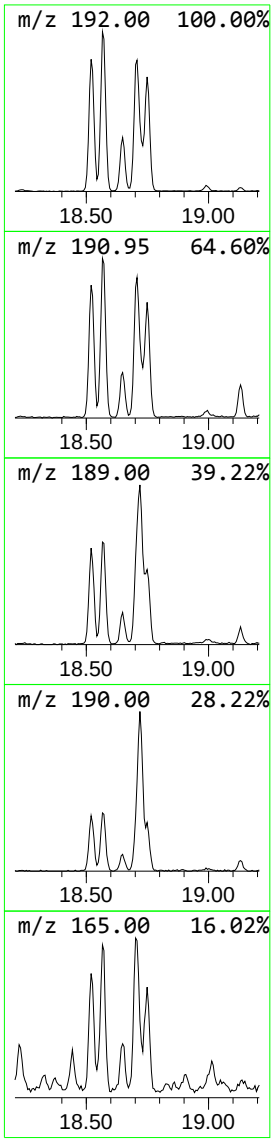
****

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.708	20.79 ng	663841	Phenanthrene-d10	17.650

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	62
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

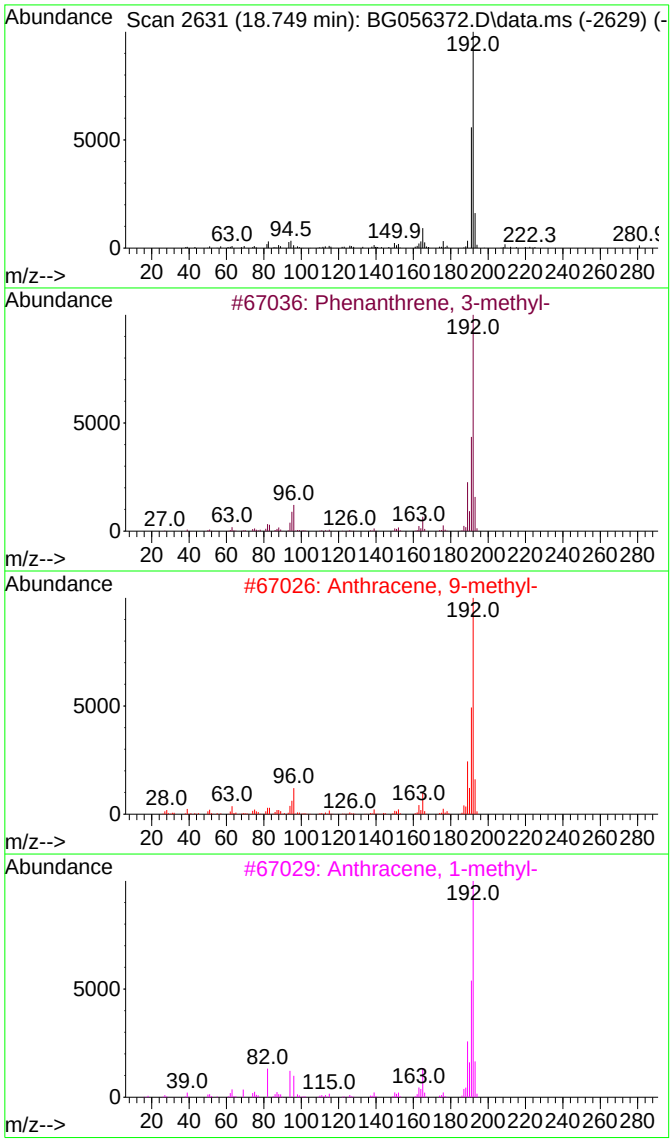
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

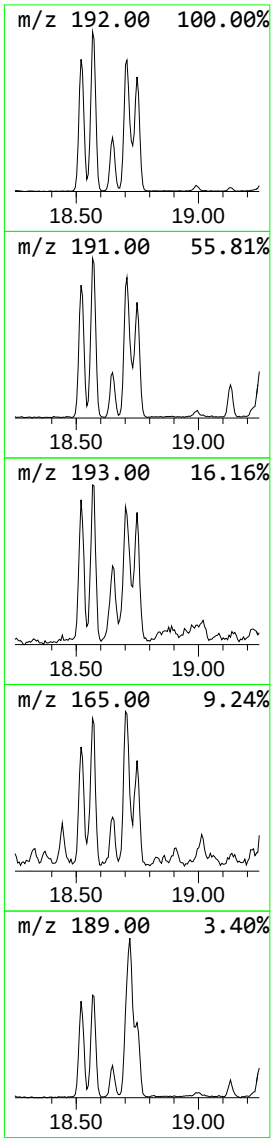
****

Peak Number 8 Phenanthrene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.749	8.79 ng	280725	Phenanthrene-d10	17.650

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

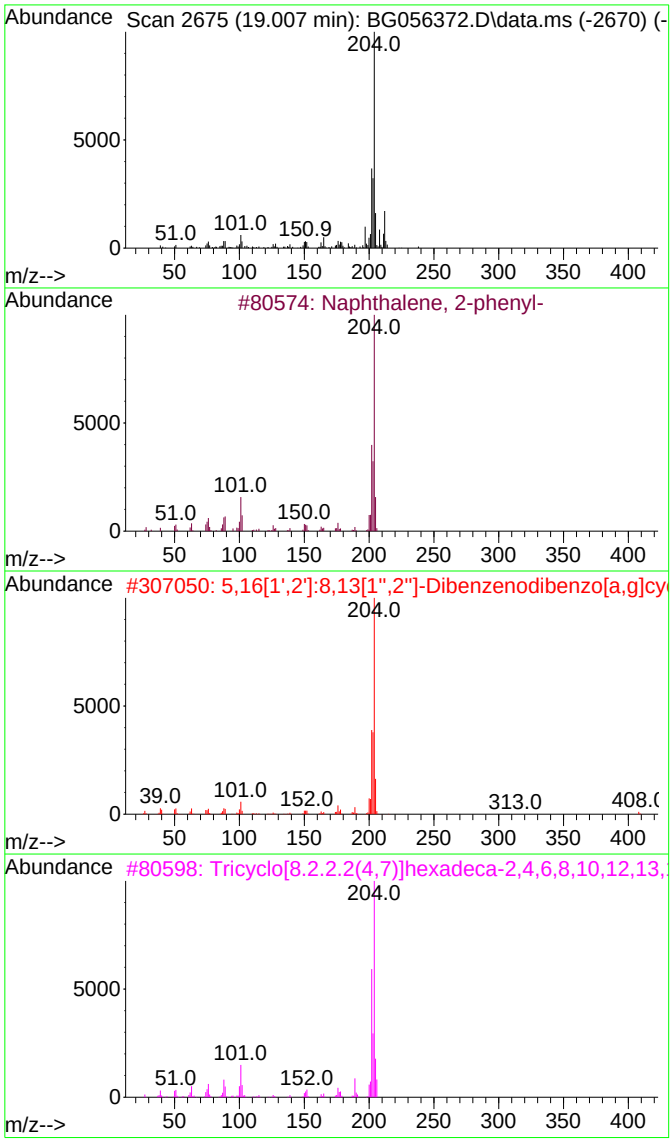
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

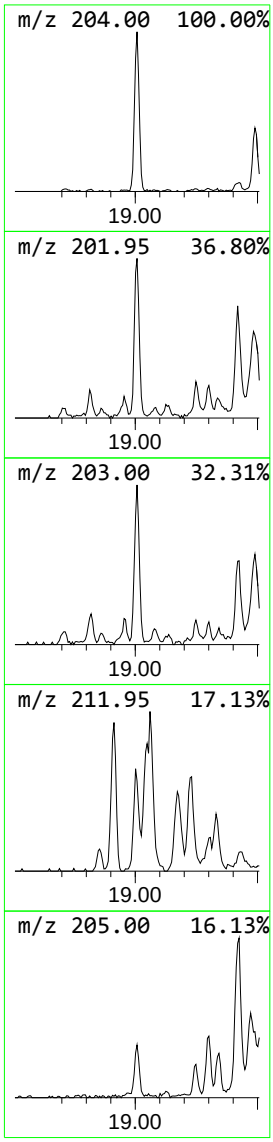
****

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.007	6.10 ng	194821	Phenanthrene-d10	17.650

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	60
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

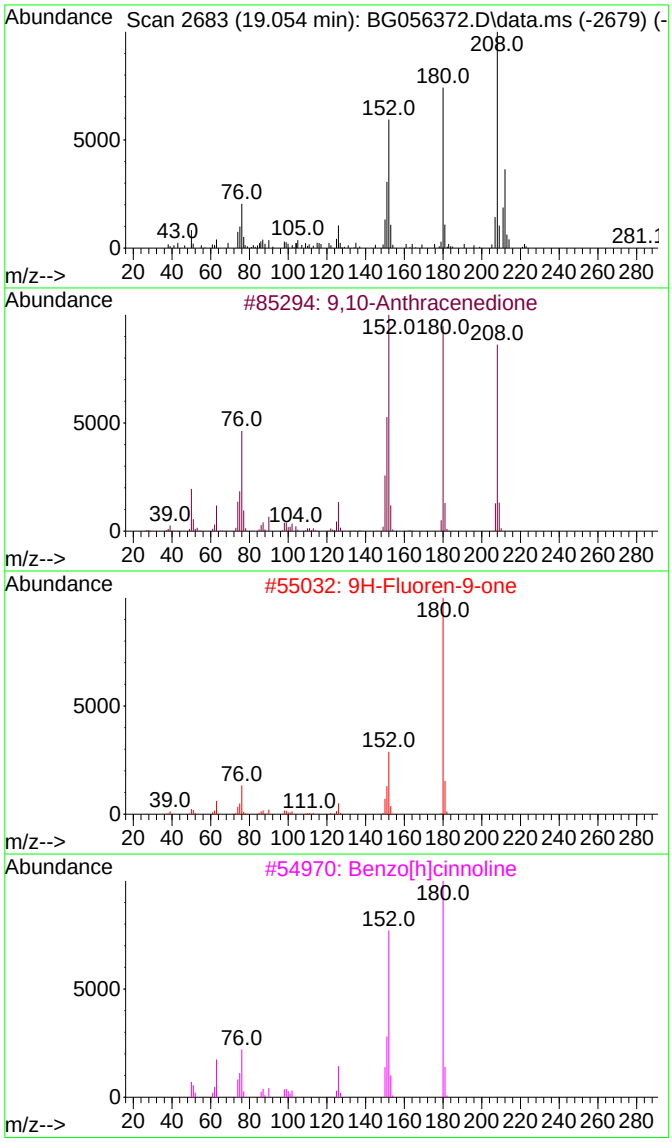
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

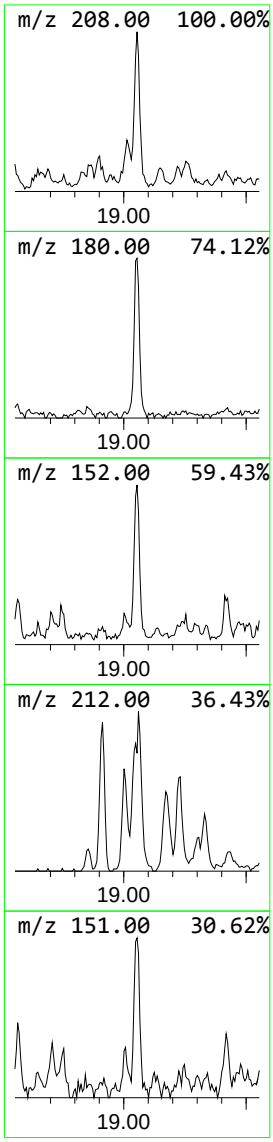
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.054	5.64 ng	180201	Phenanthrene-d10	17.650

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

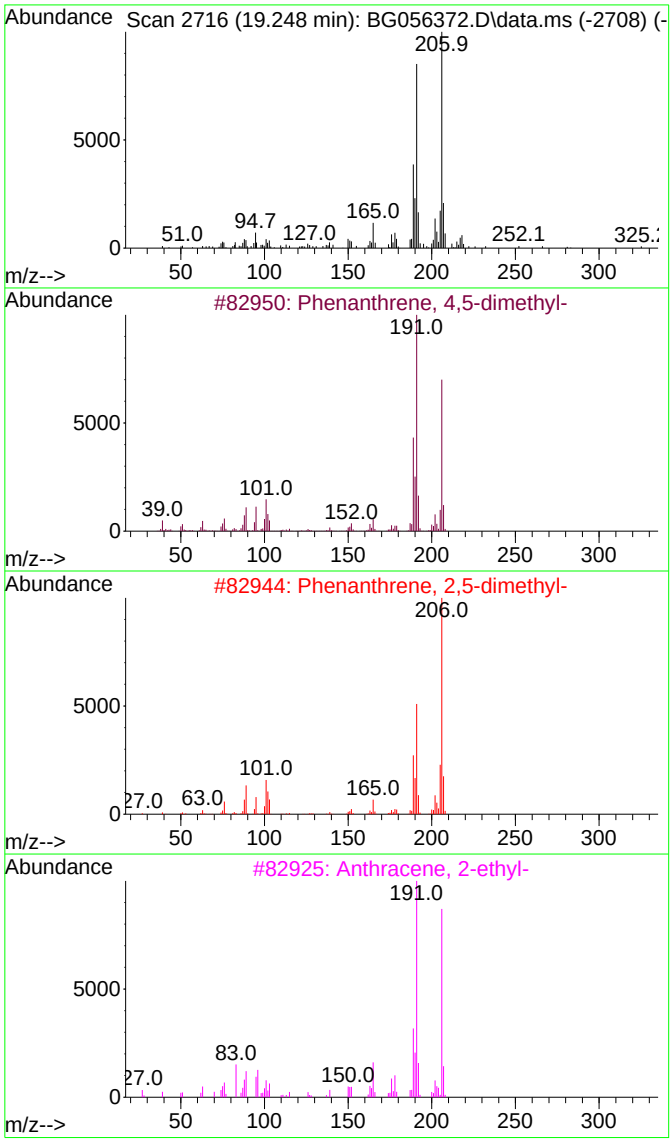
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

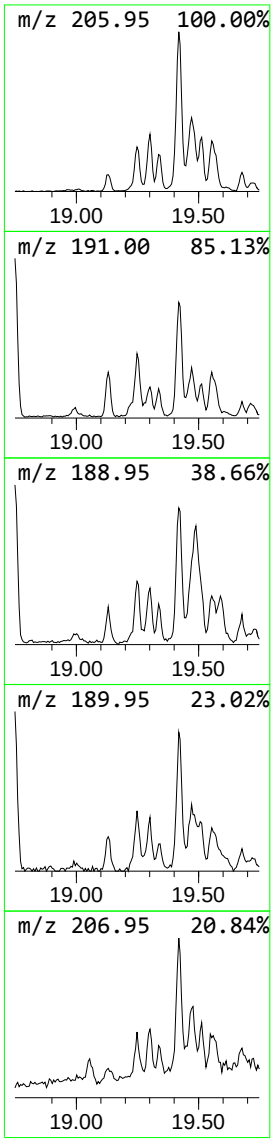
****

Peak Number 11 Phenanthrene, 4,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.248	6.01 ng	191906	Phenanthrene-d10	17.650

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

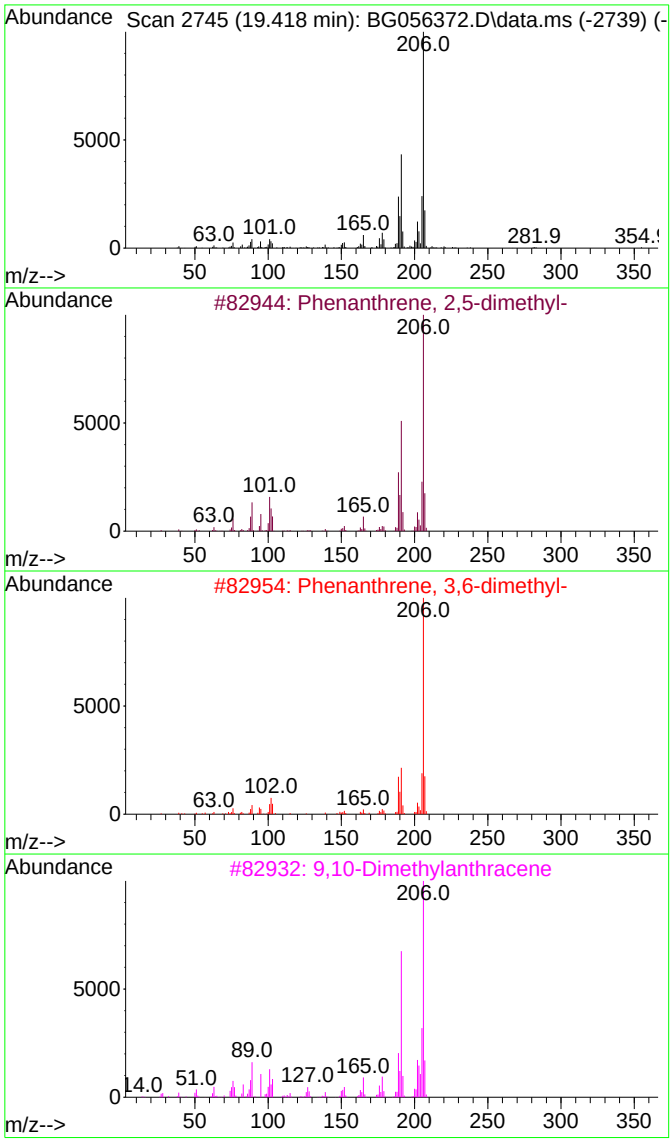
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

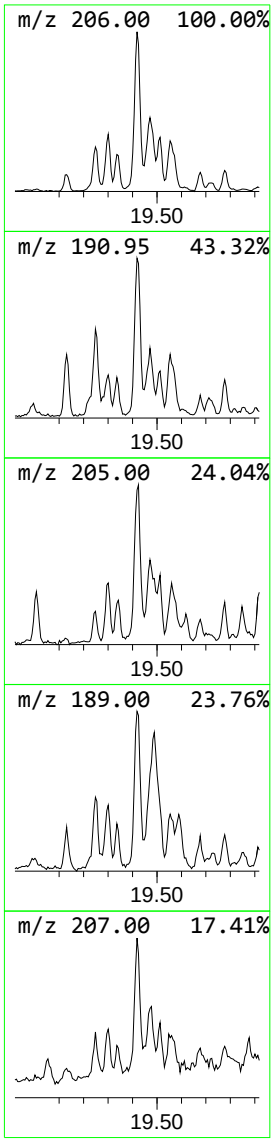
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.418	14.17 ng	452554	Phenanthrene-d10	17.650

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

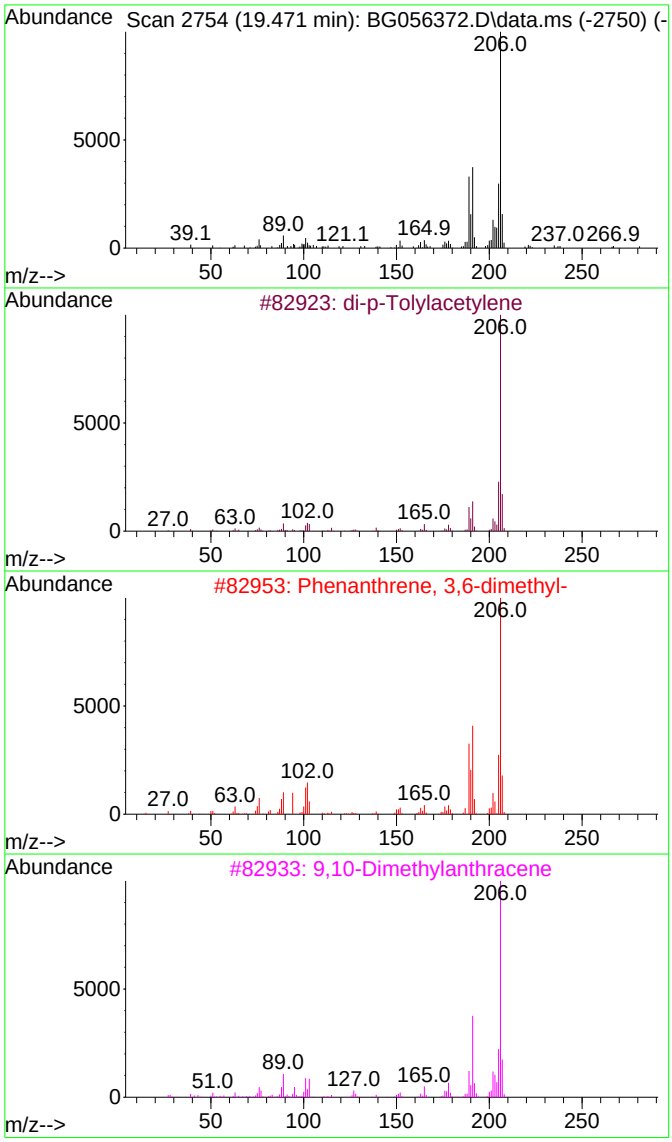
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

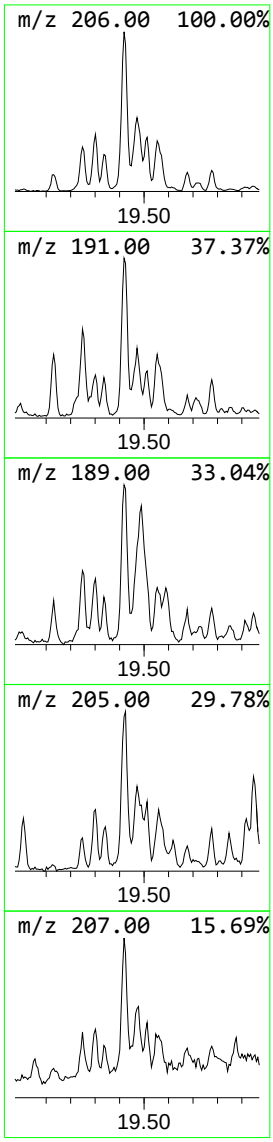
****

Peak Number 13 di-p-Tolylacetylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.471	5.40 ng	172362	Phenanthrene-d10	17.650

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

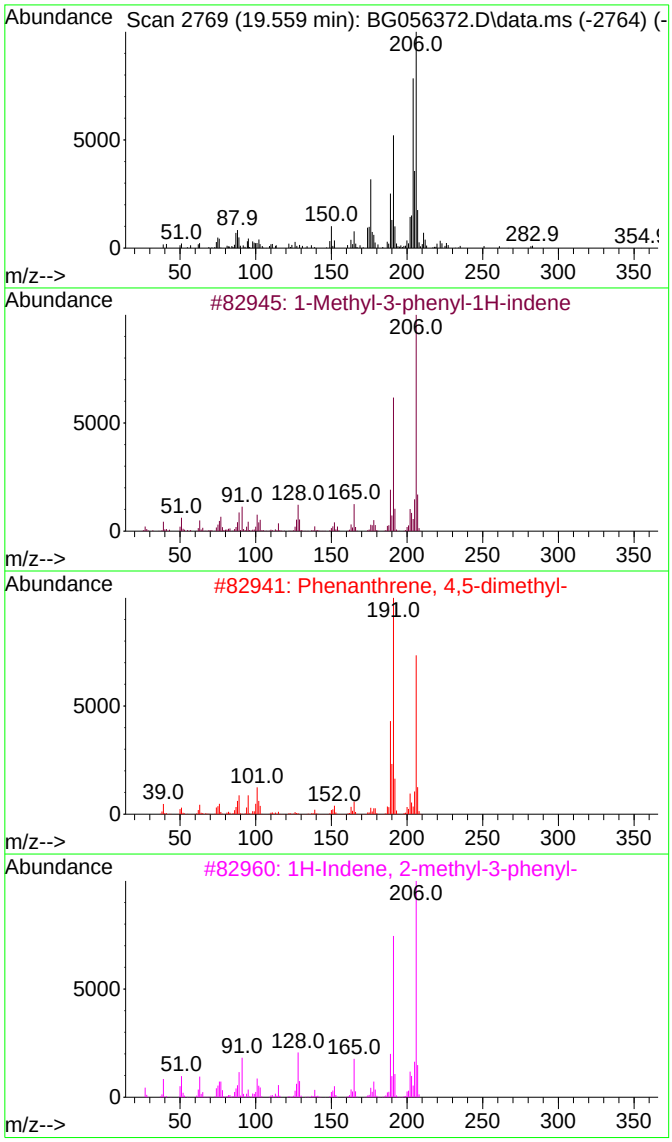
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

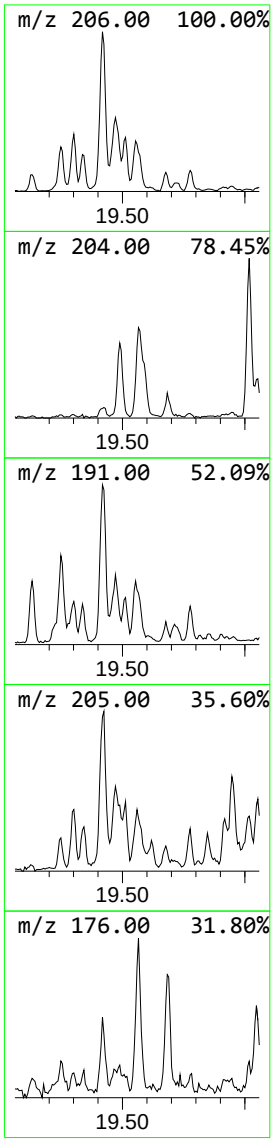
****

Peak Number 14 1-Methyl-3-phenyl-1H-indene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.560	9.62 ng	307048	Phenanthrene-d10	17.650

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	60
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	60
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	60
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

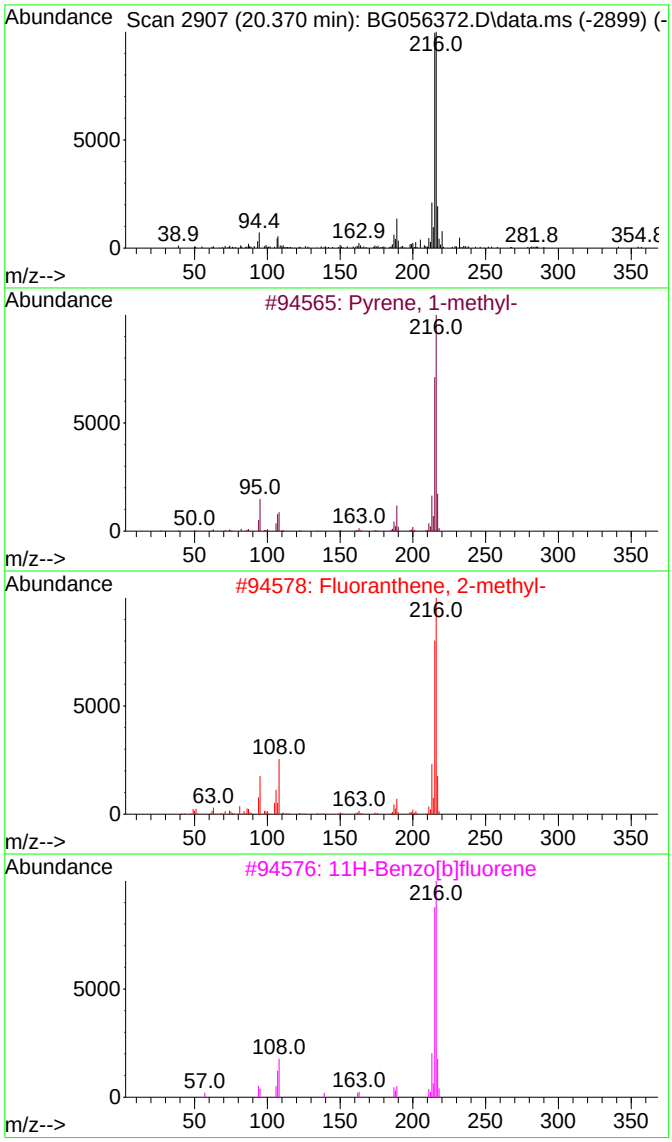
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

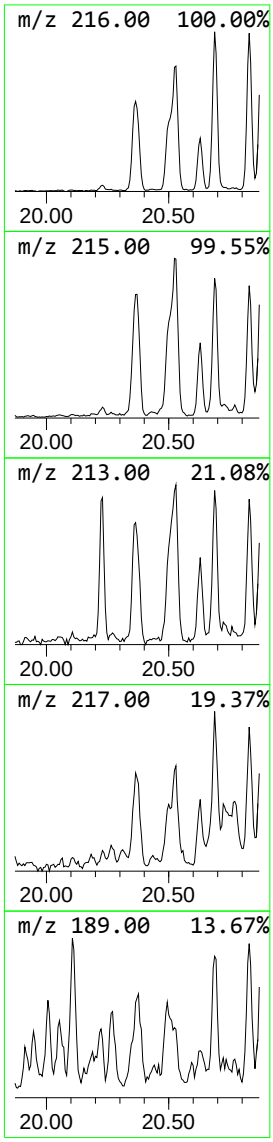
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.370	4.64 ng	316021	Chrysene-d12	21.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

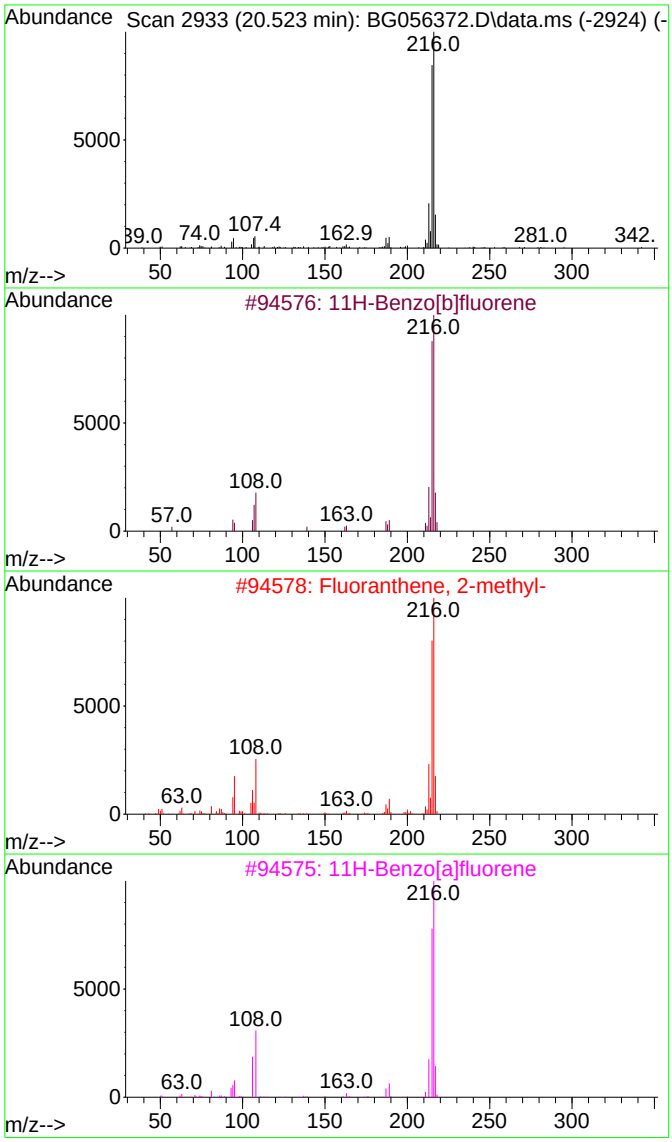
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

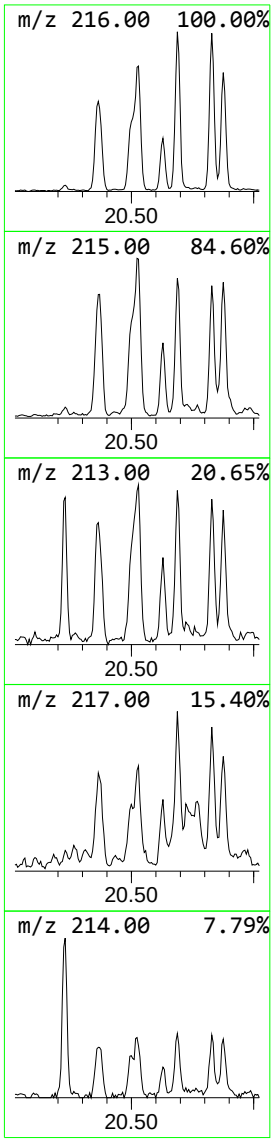
****

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.523	5.91 ng	402670	Chrysene-d12	21.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	78
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

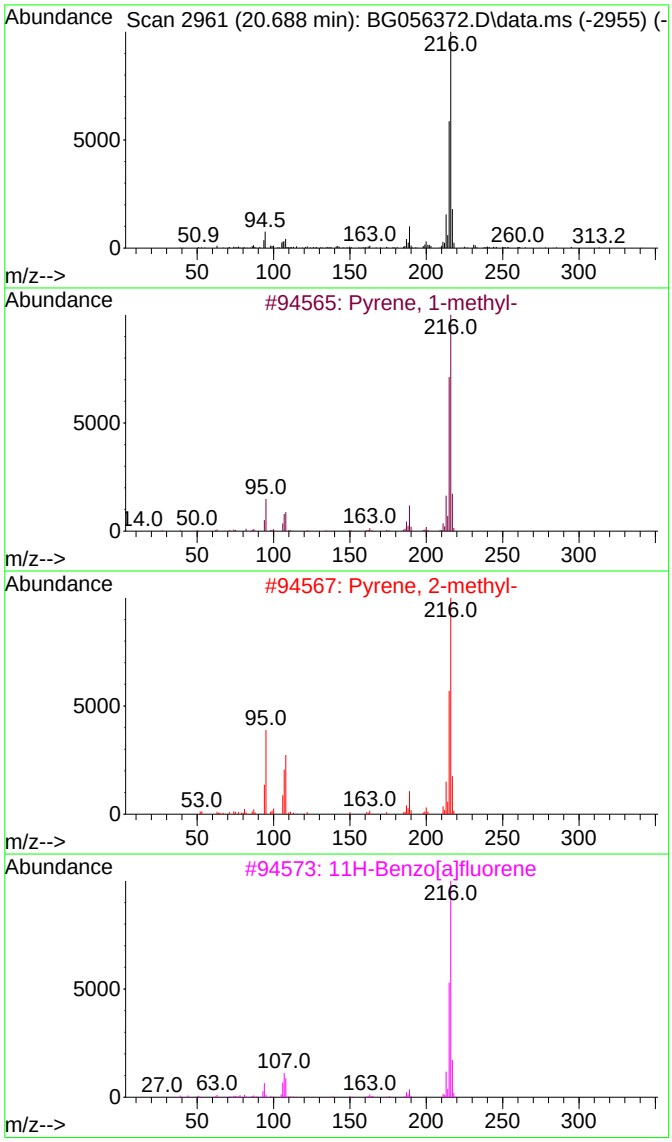
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

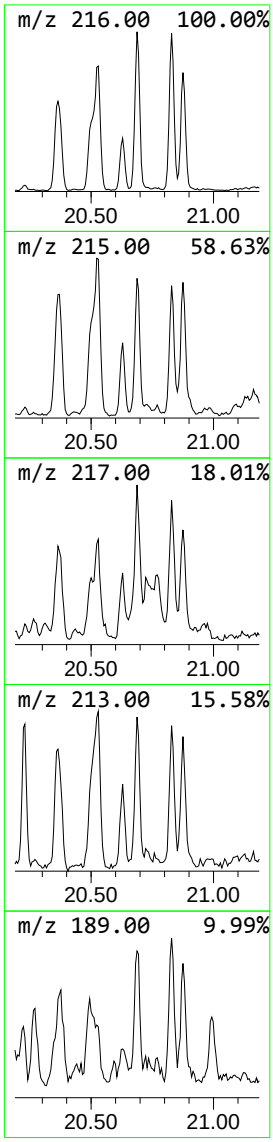
****

Peak Number 17 Pyrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.688	3.81 ng	259698	Chrysene-d12	21.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

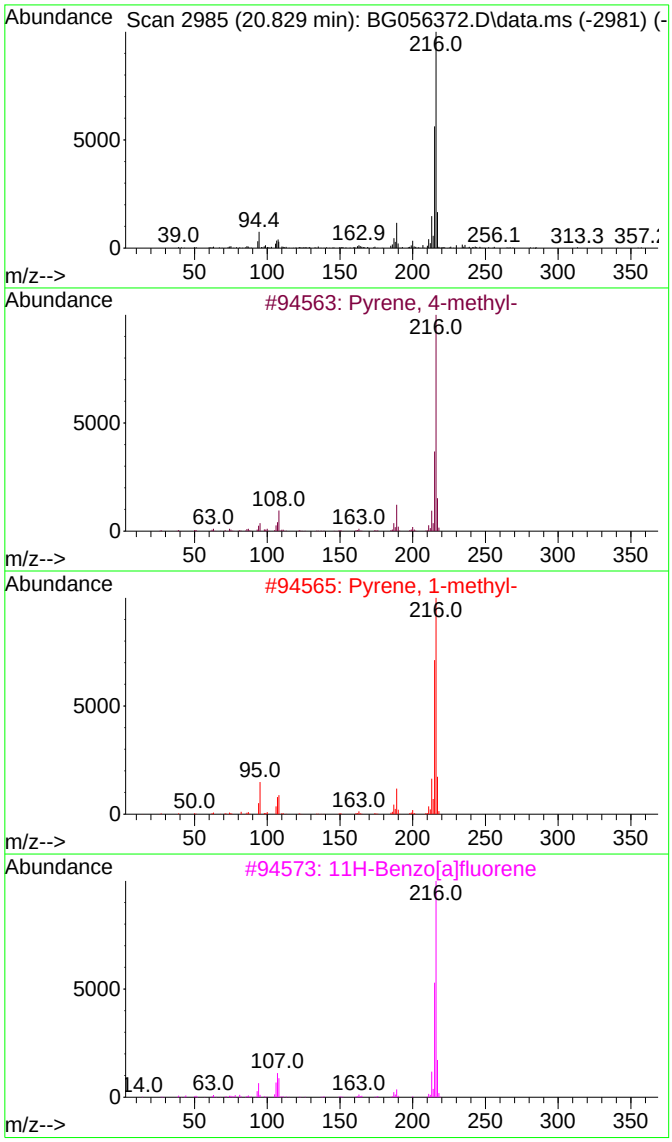
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

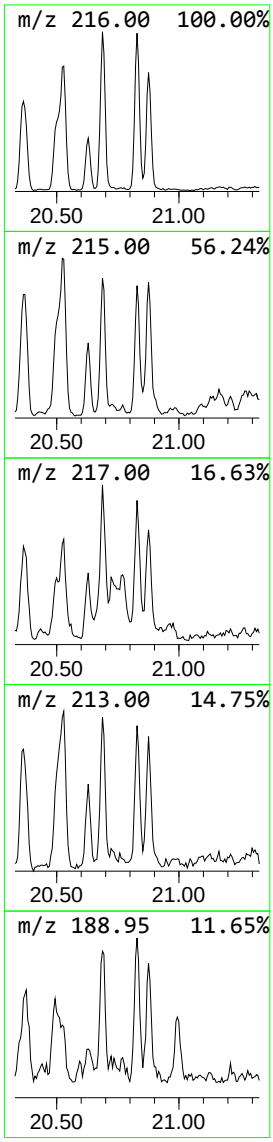
****

Peak Number 18 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.829	3.53 ng	240207	Chrysene-d12	21.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

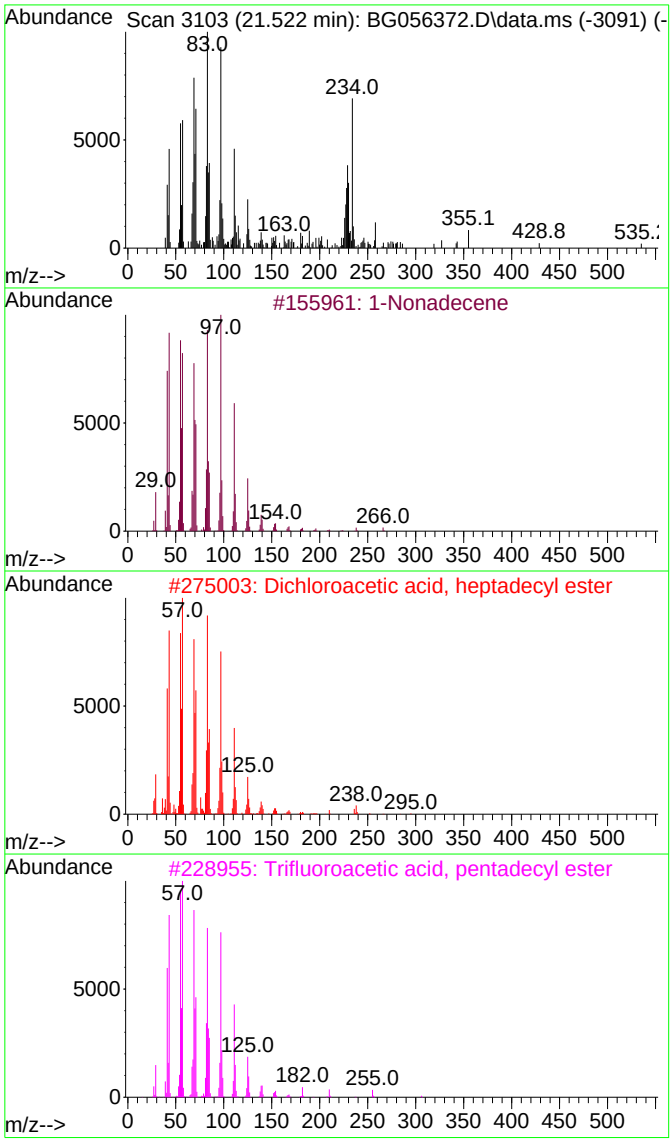
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

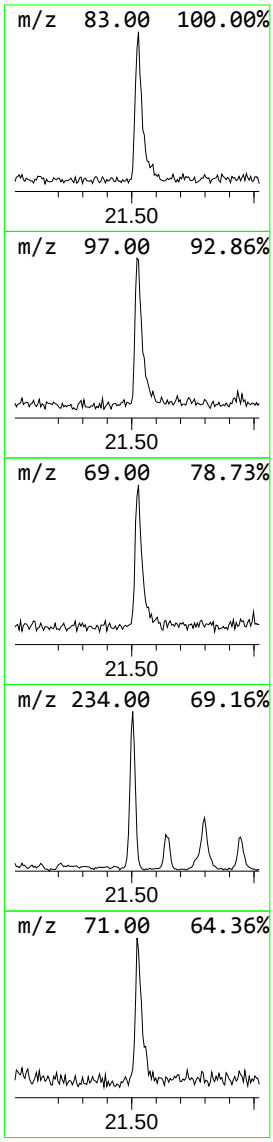
****

Peak Number 19 1-Nonadecene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.522	4.74 ng	322858	Chrysene-d12	21.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	78
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	70
3	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	70
4	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	70
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

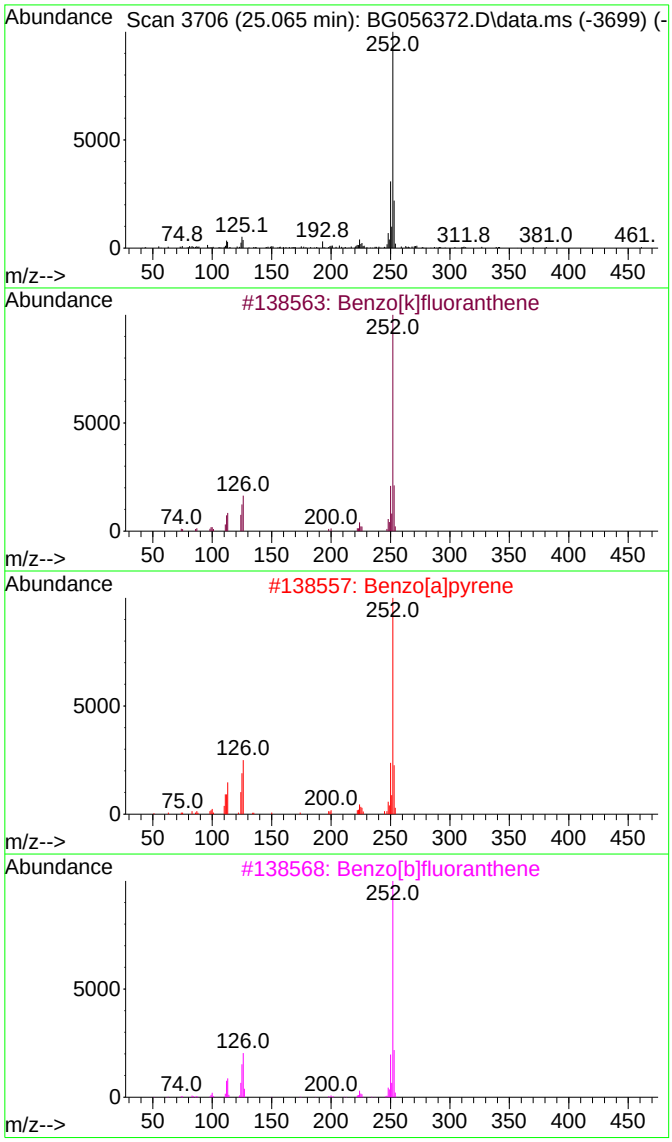
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

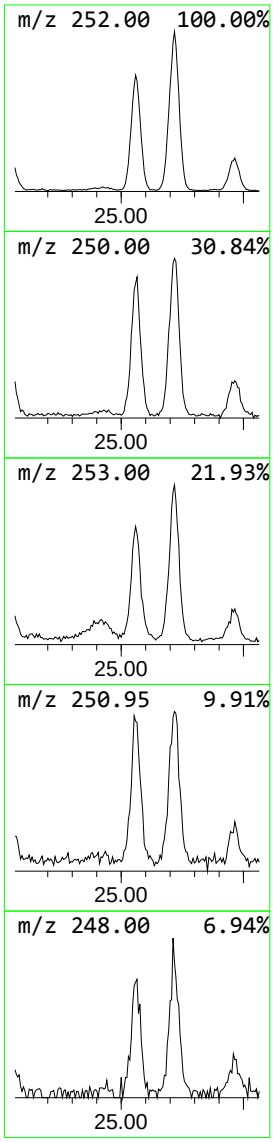
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.065	10.02 ng	309343	Perylene-d12	25.382

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
4	Benzo[e]pyrene	252	C20H12	000192-97-2	81
5	Perylene	252	C20H12	000198-55-0	81





Sample Results: **BG056372.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056372.D
Acq On : 20 Jan 2023 18:05
Operator : CG/JU
Sample : 01232-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.341	16.6	ng	154812	1	8.302	185985	20.0
Benzophenone	16.252	3.9	ng	91028	3	14.912	472068	20.0
4-Methylnaphtho...	18.232	4.2	ng	133163	4	17.650	638545	20.0
Phenanthrene, 2...	18.520	17.8	ng	569349	4	17.650	638545	20.0
1H-Indene, 1-ph...	18.567	15.2	ng	485027	4	17.650	638545	20.0
Anthracene, 2-m...	18.649	5.5	ng	173872	4	17.650	638545	20.0
Anthracene, 1-m...	18.708	20.8	ng	663841	4	17.650	638545	20.0
Phenanthrene, 3...	18.749	8.8	ng	280725	4	17.650	638545	20.0
Naphthalene, 2-...	19.007	6.1	ng	194821	4	17.650	638545	20.0
9,10-Anthracene...	19.054	5.6	ng	180201	4	17.650	638545	20.0
Phenanthrene, 4...	19.248	6.0	ng	191906	4	17.650	638545	20.0
Phenanthrene, 2...	19.418	14.2	ng	452554	4	17.650	638545	20.0
di-p-Tolylacety...	19.471	5.4	ng	172362	4	17.650	638545	20.0
1-Methyl-3-phen...	19.560	9.6	ng	307048	4	17.650	638545	20.0
Pyrene, 1-methyl-	20.370	4.6	ng	316021	5	21.945	1362670	20.0
11H-Benzo[b]flu...	20.523	5.9	ng	402670	5	21.945	1362670	20.0
Pyrene, 2-methyl-	20.688	3.8	ng	259698	5	21.945	1362670	20.0
Pyrene, 4-methyl-	20.829	3.5	ng	240207	5	21.945	1362670	20.0
1-Nonadecene	21.522	4.7	ng	322858	5	21.945	1362670	20.0
Benzo[e]pyrene	25.065	10.0	ng	309343	6	25.382	617321	20.0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P19B	SDG No.:	O1232
Lab Sample ID:	O1232-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG056414.D	1	01/20/23 12:30	01/24/23 22:35	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	370	ug/Kg
108-95-2	Phenol	76.8	U	76.8	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.1	U	91.1	190	ug/Kg
95-57-8	2-Chlorophenol	77.5	U	77.5	190	ug/Kg
95-48-7	2-Methylphenol	120	U	120	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	190	ug/Kg
98-86-2	Acetophenone	90.9	U	90.9	190	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.3	U	86.3	90.8	ug/Kg
67-72-1	Hexachloroethane	83.6	U	83.6	190	ug/Kg
98-95-3	Nitrobenzene	83.8	U	83.8	190	ug/Kg
78-59-1	Isophorone	75.6	U	75.6	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	190	ug/Kg
120-83-2	2,4-Dichlorophenol	92.7	U	92.7	190	ug/Kg
91-20-3	Naphthalene	83.8	U	83.8	190	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	190	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	190	ug/Kg
105-60-2	Caprolactam	110	U	110	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.3	U	89.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	85.1	U	85.1	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	96.9	U	96.9	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	94.8	U	94.8	190	ug/Kg
92-52-4	1,1-Biphenyl	98.1	U	98.1	190	ug/Kg
91-58-7	2-Chloronaphthalene	97.0	U	97.0	190	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	190	ug/Kg
131-11-3	Dimethylphthalate	91.8	U	91.8	190	ug/Kg
208-96-8	Acenaphthylene	77.9	U	77.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.6	U	88.6	190	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P19B	SDG No.:	O1232
Lab Sample ID:	O1232-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG056414.D	1	01/20/23 12:30	01/24/23 22:35	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	110	U	110	190	ug/Kg
83-32-9	Acenaphthene	89.5	U	89.5	190	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	370	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	370	ug/Kg
132-64-9	Dibenzofuran	84.2	U	84.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	96.0	U	96.0	190	ug/Kg
84-66-2	Diethylphthalate	91.3	U	91.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	190	ug/Kg
86-73-7	Fluorene	89.4	U	89.4	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	97.8	U	97.8	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.3	U	93.3	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	190	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	370	ug/Kg
85-01-8	Phenanthrene	1000		94.8	190	ug/Kg
120-12-7	Anthracene	180	J	95.3	190	ug/Kg
86-74-8	Carbazole	95.5	U	95.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	98.7	U	98.7	190	ug/Kg
206-44-0	Fluoranthene	1000		90.5	190	ug/Kg
129-00-0	Pyrene	1000		84.2	190	ug/Kg
85-68-7	Butylbenzylphthalate	93.8	U	93.8	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	370	ug/Kg
56-55-3	Benzo(a)anthracene	500		98.5	190	ug/Kg
218-01-9	Chrysene	480		97.0	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	480		78.3	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	160	J	83.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	360		76.8	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190		110	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	190	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P19B	SDG No.:	O1232
Lab Sample ID:	O1232-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG056414.D	1	01/20/23 12:30	01/24/23 22:35	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	230		110	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	190	ug/Kg
123-91-1	1,4-Dioxane	100	U	100	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	92.1	U	92.1	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	120		18 - 112	80%	SPK: 150
13127-88-3	Phenol-d6	110		21 - 104	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.3		27 - 109	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.7		30 - 103	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		10 - 121	74%	SPK: 150
1718-51-0	Terphenyl-d14	65.3		21 - 107	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	40800	8.288			
1146-65-2	Naphthalene-d8	165000	11.126			
15067-26-2	Acenaphthene-d10	127000	14.904			
1517-22-2	Phenanthrene-d10	292000	17.642			
1719-03-5	Chrysene-d12	275000	21.931			
1520-96-3	Perylene-d12	300000	25.363			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	660	AB		5.33	ug/Kg
000119-61-9	Benzophenone	180	J		16.2	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	370	J		18.5	ug/Kg
000613-12-7	Anthracene, 2-methyl-	310	J		18.6	ug/Kg
000610-48-0	Anthracene, 1-methyl-	100	J		18.6	ug/Kg
	unknown18.706	380	J		18.7	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	150	J		18.7	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	160	J		19.0	ug/Kg
000084-65-1	9,10-Anthracenedione	110	J		19.0	ug/Kg
1000452-24-5	3,4-Dimethylphenanthrene	100	J		19.2	ug/Kg
000781-43-1	9,10-Dimethylanthracene	280	J		19.4	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	180	J		19.6	ug/Kg
002381-21-7	Pyrene, 1-methyl-	130	J		20.4	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P19B	SDG No.:	O1232
Lab Sample ID:	O1232-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG056414.D	1	01/20/23 12:30	01/24/23 22:35	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
003442-78-2	Pyrene, 2-methyl-	87.4	J		20.7	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	96.1	J		21.3	ug/Kg
007206-19-1	3-Octadecene, (E)-	160	J		21.5	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	93.0	J		21.6	ug/Kg
000192-97-2	Benzo[e]pyrene	310	J		25.0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

Quant Time: Jan 25 05:35:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 04:54:56 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.288	152	40835	20.000	ng	0.00
21) Naphthalene-d8	11.126	136	164752	20.000	ng	0.00
39) Acenaphthene-d10	14.904	164	126513	20.000	ng	-0.01
64) Phenanthrene-d10	17.642	188	291766	20.000	ng	-0.01
76) Chrysene-d12	21.931	240	274867	20.000	ng	#-0.01
86) Perylene-d12	25.363	264	299958	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.815	112	274911	120.204	ng	0.00
7) Phenol-d6	7.436	99	385596	109.786	ng	0.00
23) Nitrobenzene-d5	9.469	82	203740	63.256	ng	0.00
42) 2,4,6-Tribromophenol	16.391	330	177012	110.476	ng	0.00
45) 2-Fluorobiphenyl	13.535	172	620322	67.709	ng	0.00
79) Terphenyl-d14	20.216	244	1002023	65.292	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.689	178	401119	26.529	ng	98
72) Anthracene	17.777	178	75750	4.857	ng	98
75) Fluoranthene	19.675	202	530636	26.904	ng	98
78) Pyrene	20.039	202	512991	26.479	ng	99
81) Benzo(a)anthracene	21.914	228	255618	13.240	ng	98
83) Chrysene	21.978	228	229200	12.674	ng	98
87) Indeno(1,2,3-cd)pyrene	29.305	276	108970	4.995	ng	# 94
88) Benzo(b)fluoranthene	24.264	252	241770	12.686	ng	# 98
89) Benzo(k)fluoranthene	24.323	252	79238m	4.175	ng	
90) Benzo(a)pyrene	25.198	252	176559	9.498	ng	# 99
92) Benzo(g,h,i)perylene	30.539	276	108986	6.145	ng	# 95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

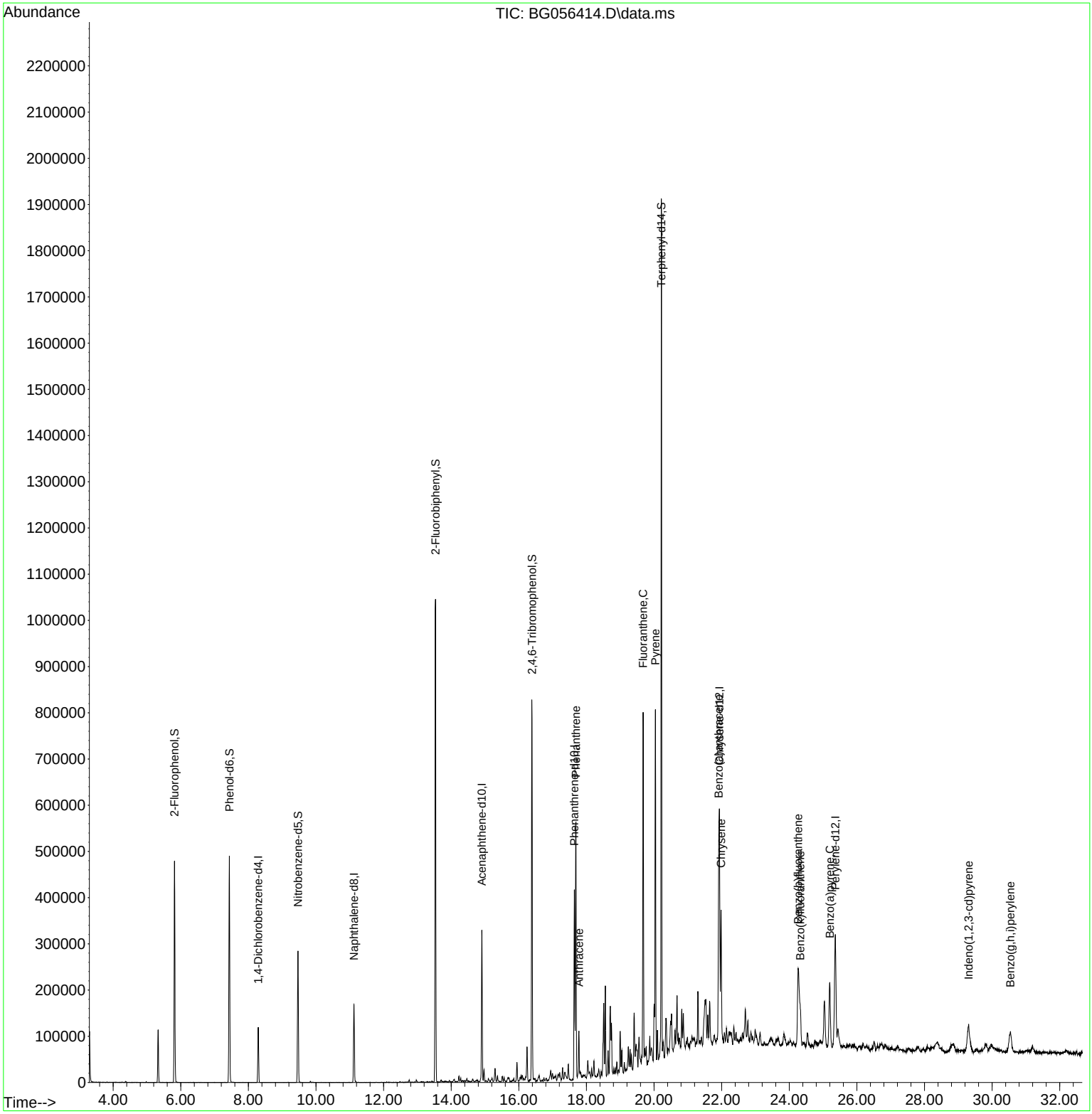
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

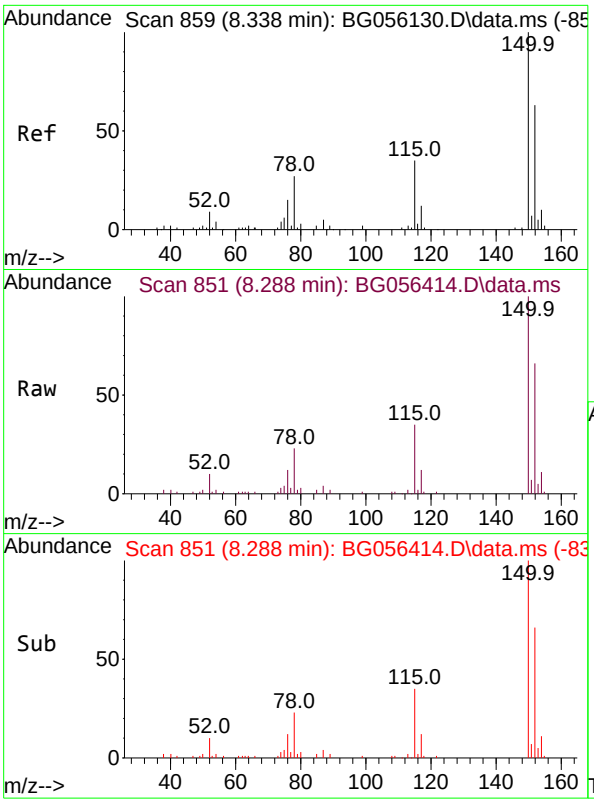
Quant Time: Jan 25 05:35:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 04:54:56 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

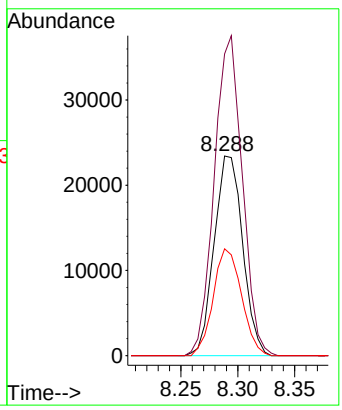




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.288 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:152 Resp: 4083

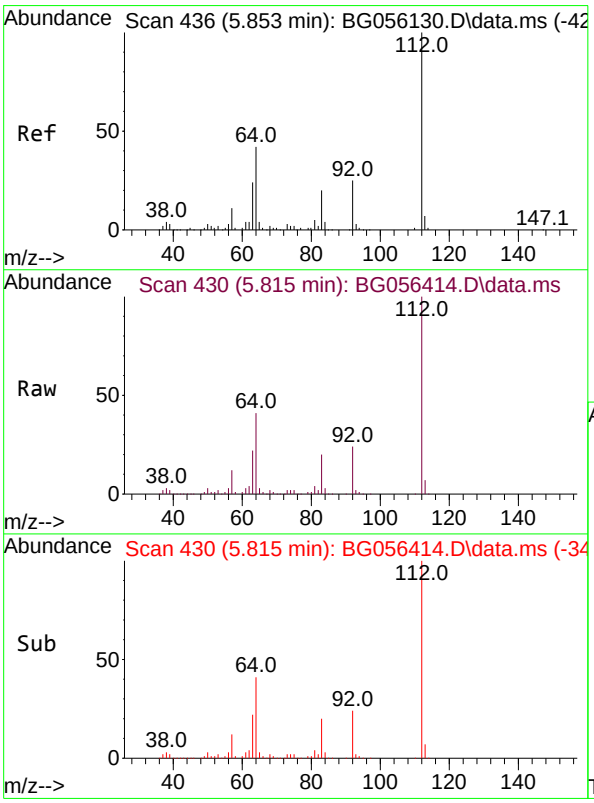
Ion	Ratio	Lower	Upper
152	100		
150	151.2	127.9	191.9
115	53.6	44.2	66.2



Instrument :
BNA_G
ClientSampleId :
B-P-19B

Manual Integrations
APPROVED

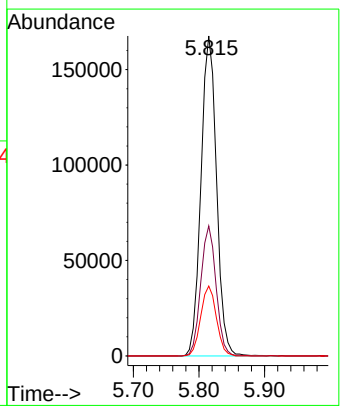
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

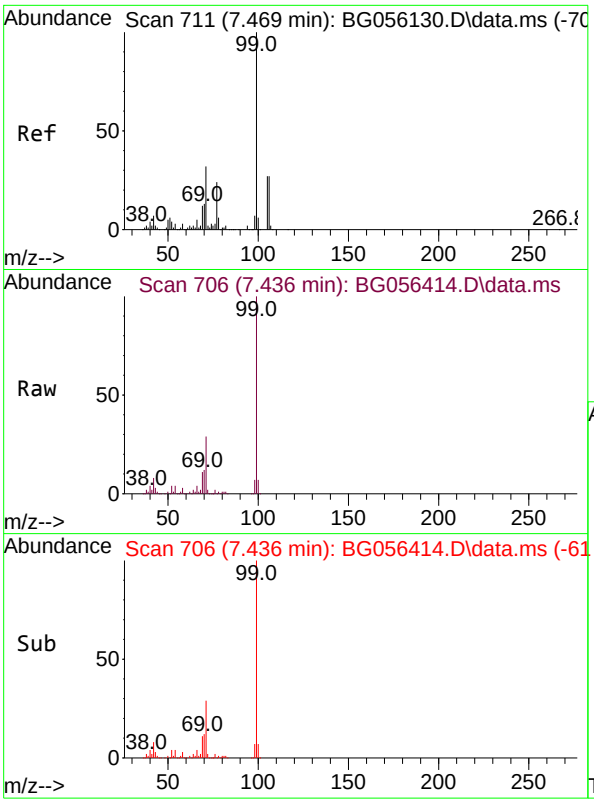


#5
2-Fluorophenol
Concen: 120.204 ng
RT: 5.815 min Scan# 430
Delta R.T. 0.001 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:112 Resp: 274911

Ion	Ratio	Lower	Upper
112	100		
64	40.6	33.3	49.9
63	21.8	19.0	28.4

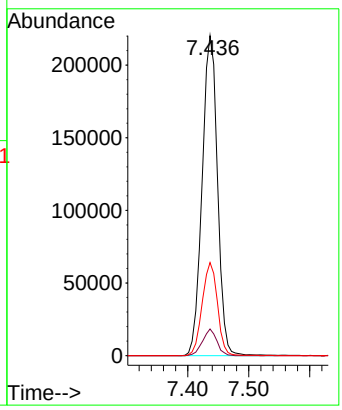




#7
Phenol-d6
Concen: 109.786 ng
RT: 7.436 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion: 99 Resp: 38559

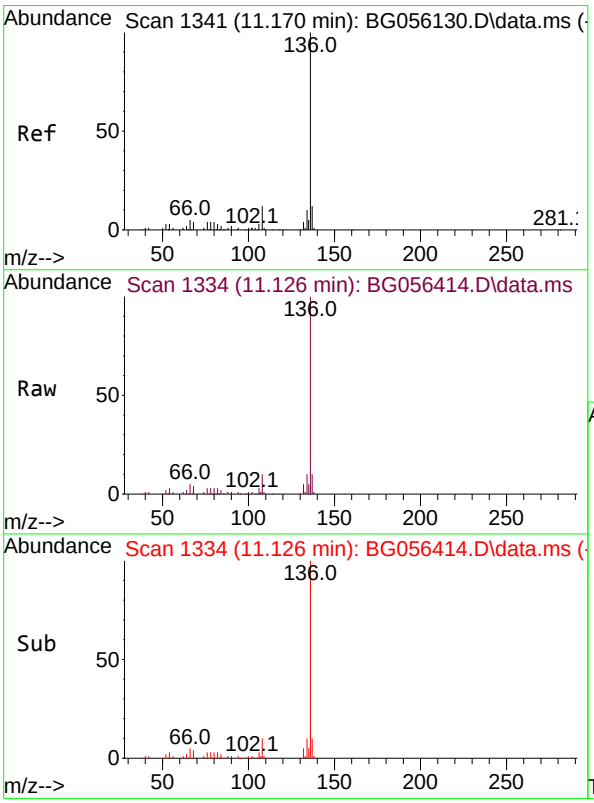
Ion	Ratio	Lower	Upper
99	100		
42	8.3	5.9	8.9
71	29.1	25.4	38.2



Instrument :
BNA_G
ClientSampleId :
B-P-19B

Manual Integrations
APPROVED

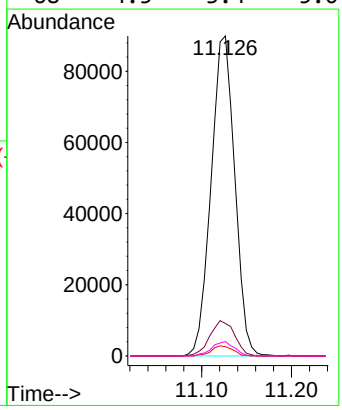
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

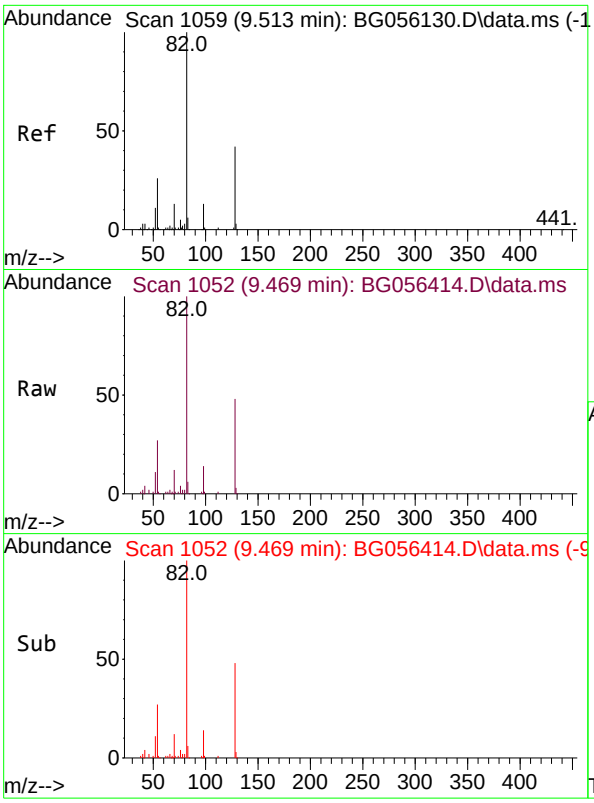


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.126 min Scan# 1334
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:136 Resp: 164752

Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.4	14.0
54	2.9	2.2	3.2
68	4.5	3.4	5.0

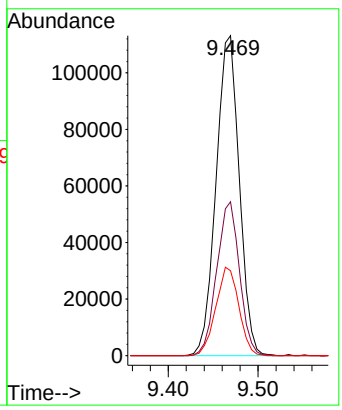




#23
Nitrobenzene-d5
Concen: 63.256 ng
RT: 9.469 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion: 82 Resp: 20374

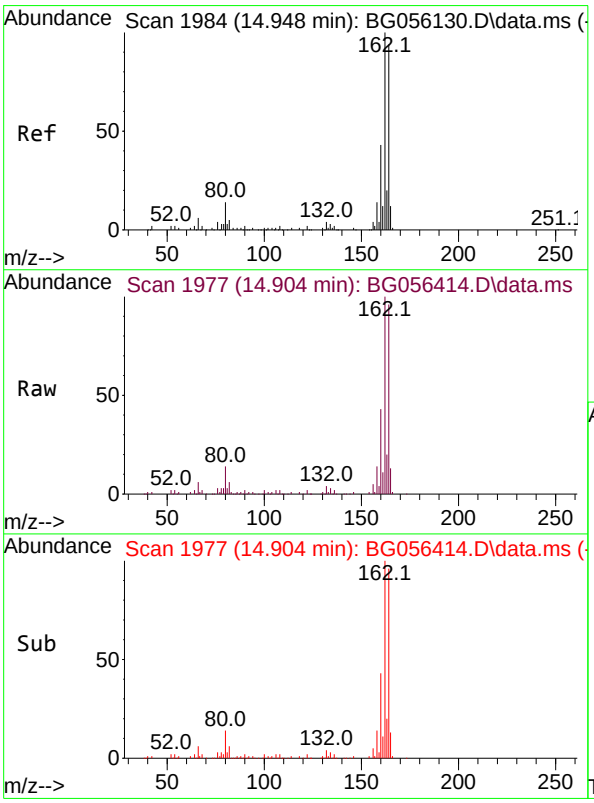
Ion	Ratio	Lower	Upper
82	100		
128	48.1	33.4	50.2
54	26.5	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
B-P-19B

Manual Integrations
APPROVED

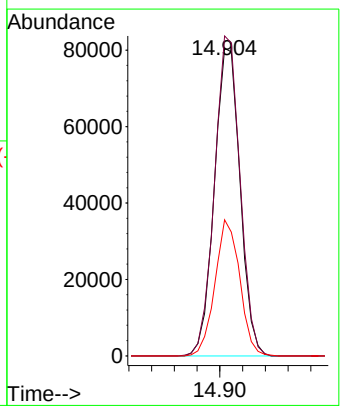
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

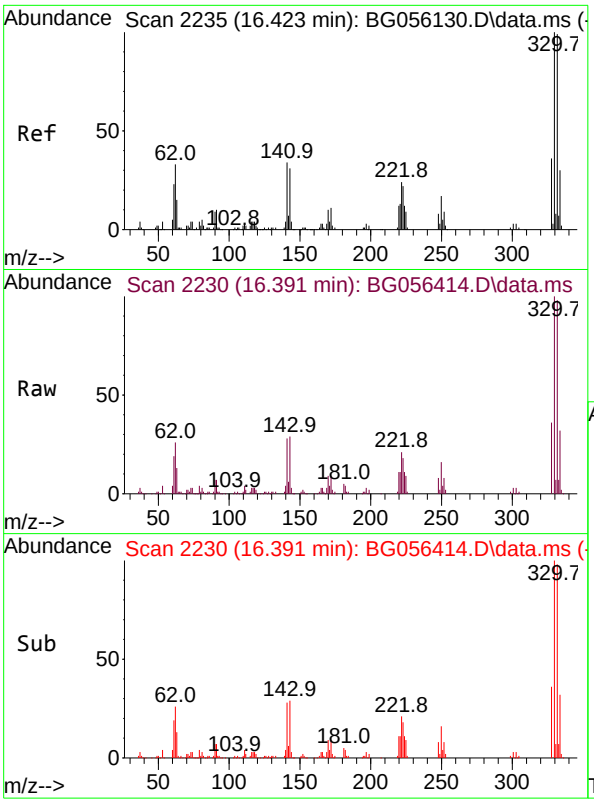


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.904 min Scan# 1977
Delta R.T. -0.011 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:164 Resp: 126513

Ion	Ratio	Lower	Upper
164	100		
162	104.1	84.7	127.1
160	44.3	36.3	54.5

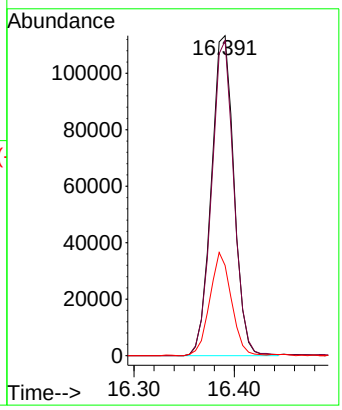




#42
2,4,6-Tribromophenol
Concen: 110.476 ng
RT: 16.391 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:330 Resp: 17701

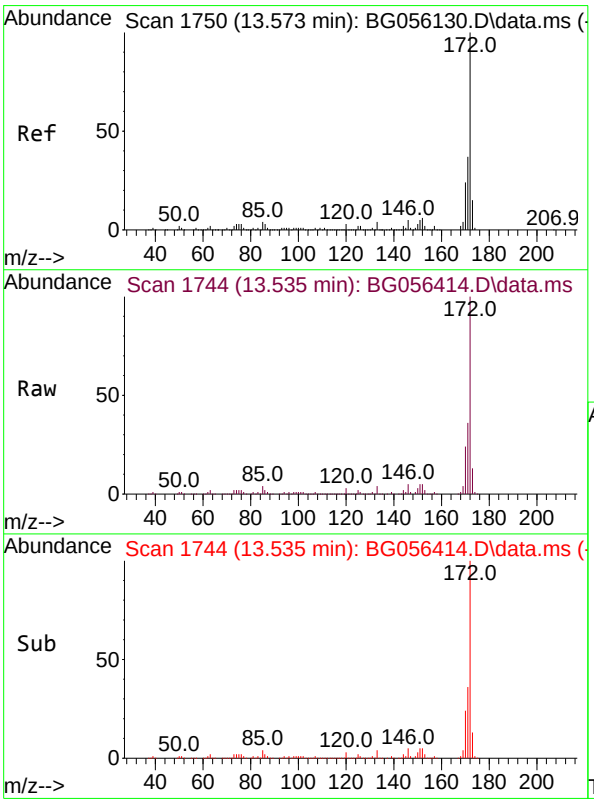
Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	30.8	27.9	41.9



Instrument :
BNA_G
ClientSampleId :
B-P-19B

Manual Integrations
APPROVED

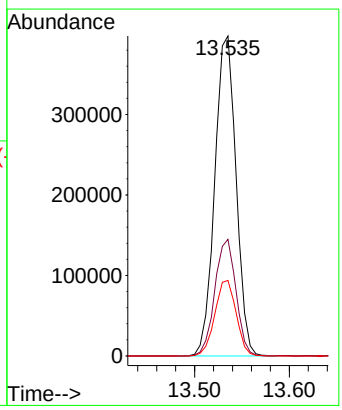
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

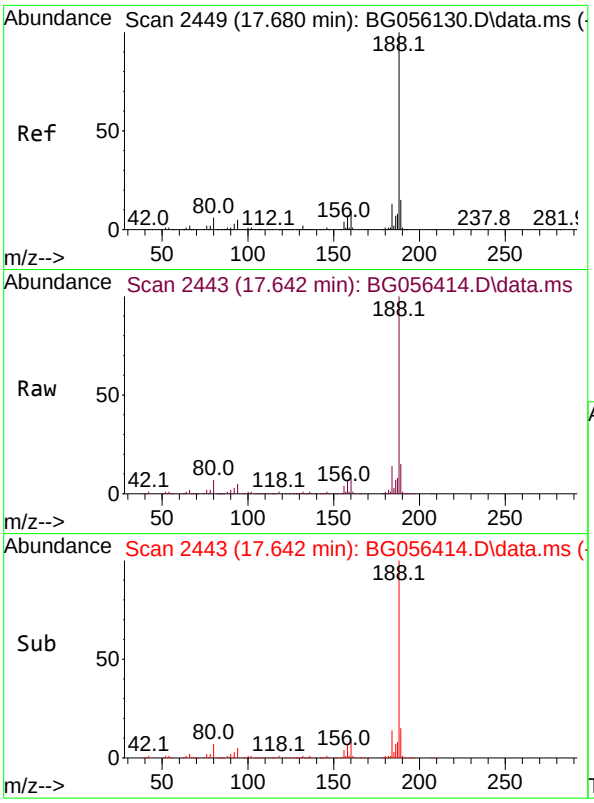


#45
2-Fluorobiphenyl
Concen: 67.709 ng
RT: 13.535 min Scan# 1744
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:172 Resp: 620322

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	23.6	19.4	29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.642 min Scan# 24
Delta R.T. -0.011 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

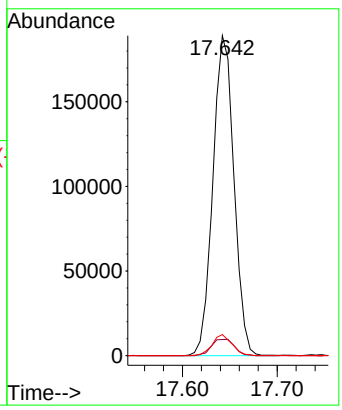
Tgt Ion:188 Resp: 29176

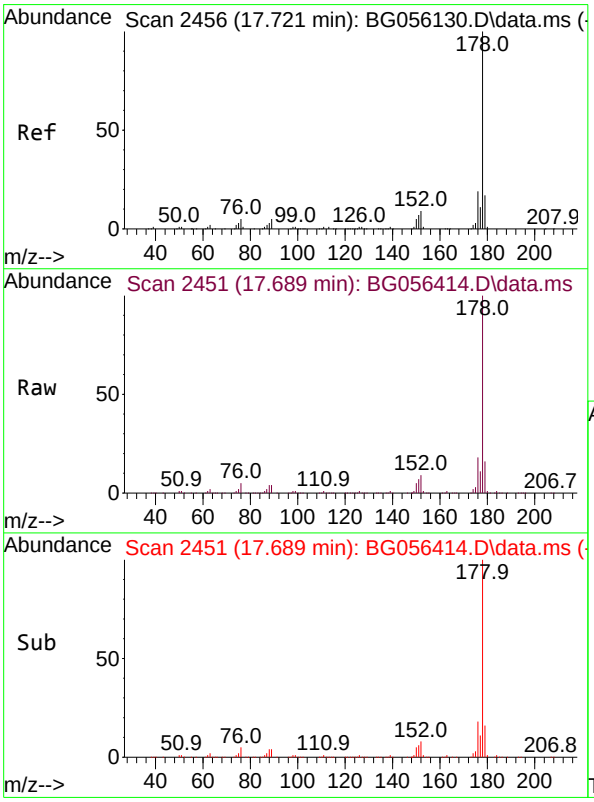
Ion	Ratio	Lower	Upper
188	100		
94	5.0	4.2	6.2
80	6.6	5.0	7.4

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

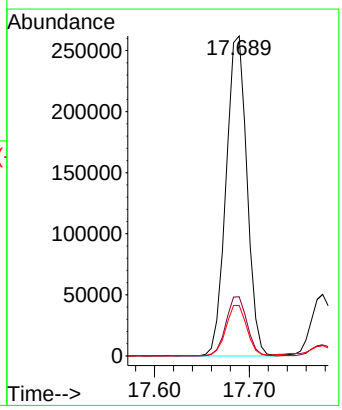


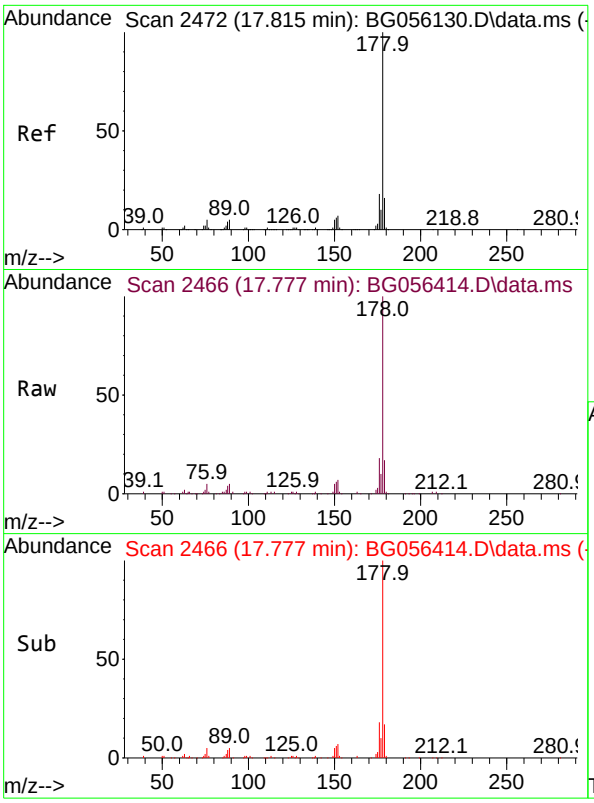


#71
Phenanthrene
Concen: 26.529 ng
RT: 17.689 min Scan# 2451
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:178 Resp: 401119

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	15.8	13.6	20.4

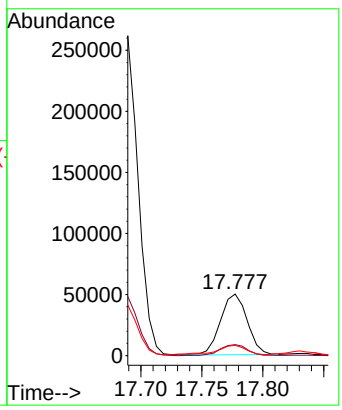




#72
Anthracene
Concen: 4.857 ng
RT: 17.777 min Scan# 24
Delta R.T. -0.011 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:178 Resp: 7575

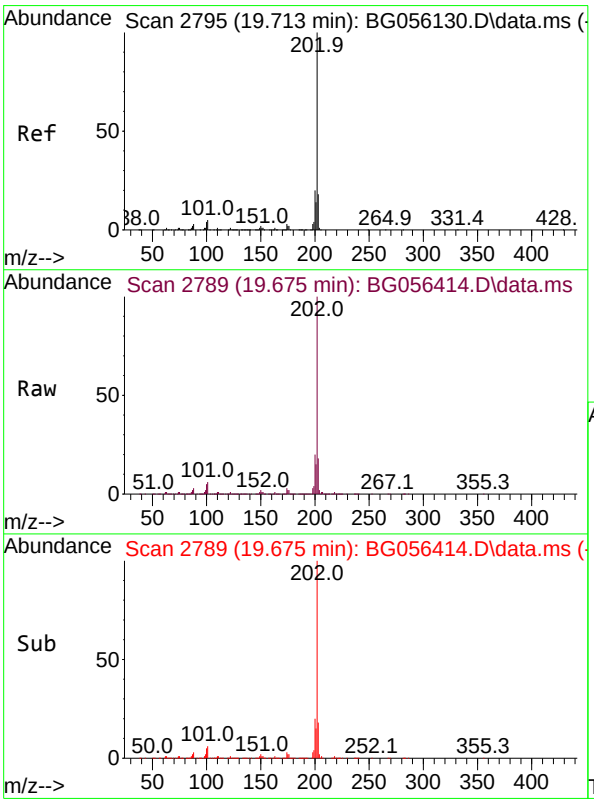
Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	22.0
179	16.9	12.7	19.1



Instrument :
BNA_G
ClientSampleId :
B-P-19B

Manual Integrations
APPROVED

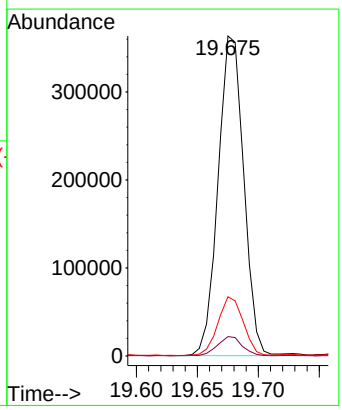
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

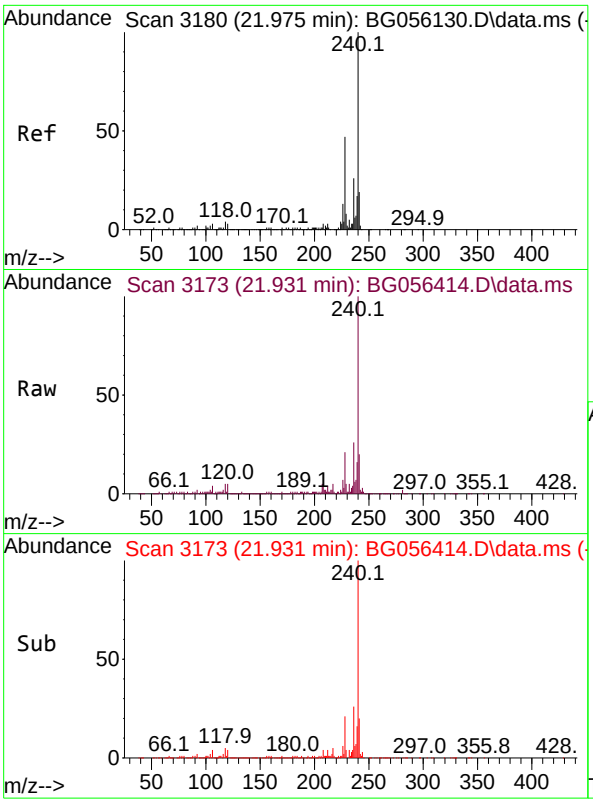


#75
Fluoranthene
Concen: 26.904 ng
RT: 19.675 min Scan# 2789
Delta R.T. -0.011 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:202 Resp: 530636

Ion	Ratio	Lower	Upper
202	100		
101	6.0	0.0	25.0
203	18.5	0.0	38.0

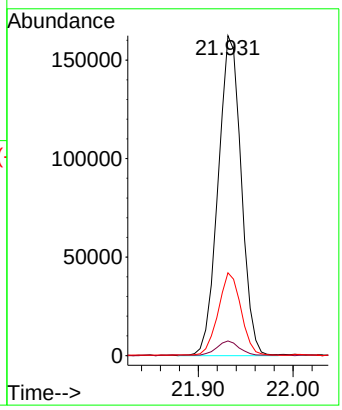




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.931 min Scan# 3
Delta R.T. -0.011 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:240 Resp: 27486

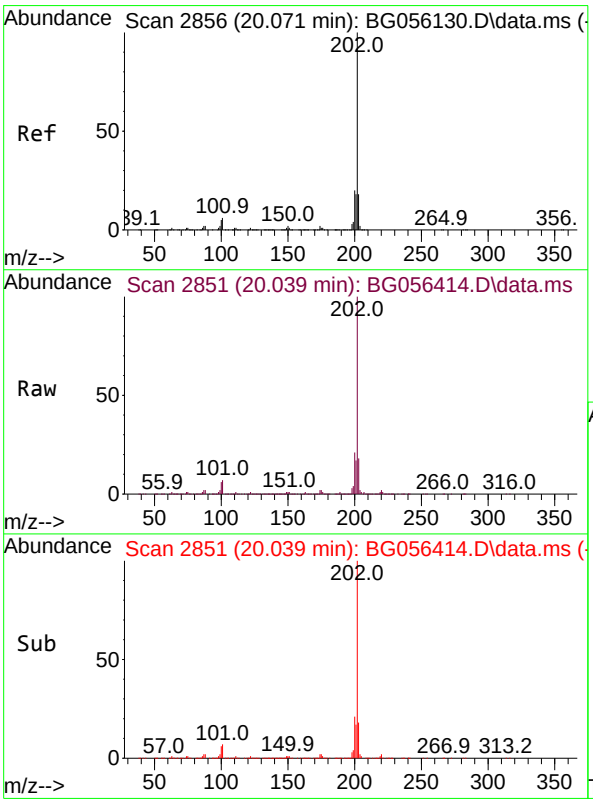
Ion	Ratio	Lower	Upper
240	100		
120	4.6	2.6	4.0
236	25.9	20.8	31.2



Instrument :
BNA_G
ClientSampleId :
B-P-19B

Manual Integrations
APPROVED

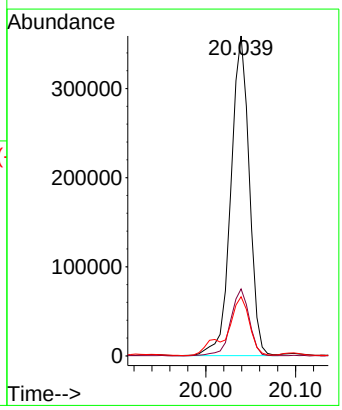
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

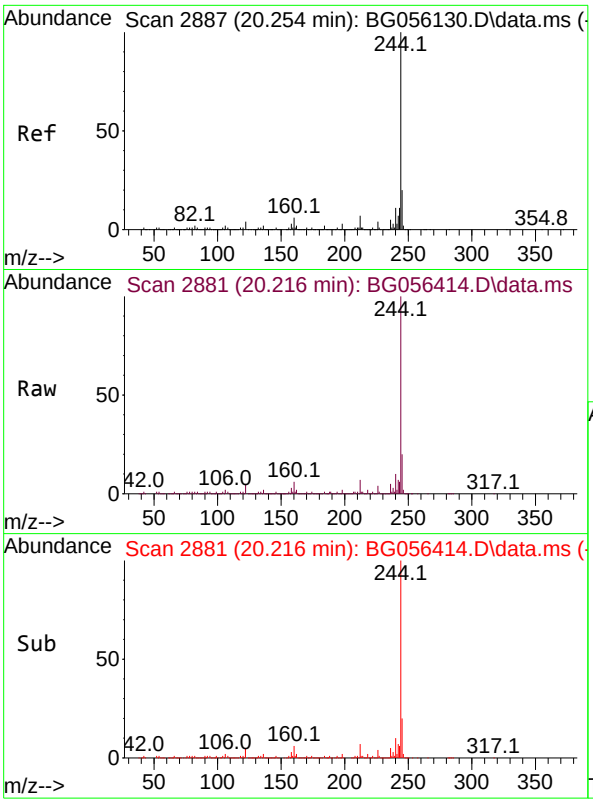


#78
Pyrene
Concen: 26.479 ng
RT: 20.039 min Scan# 2851
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:202 Resp: 512991

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.4	24.6
203	18.5	14.3	21.5

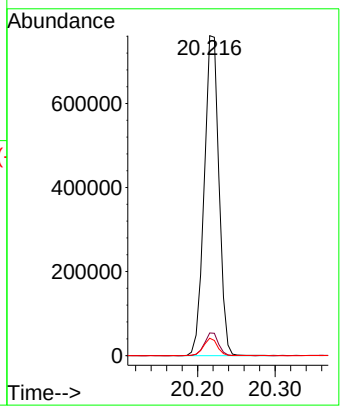




#79
Terphenyl-d14
Concen: 65.292 ng
RT: 20.216 min Scan# 2
Delta R.T. -0.011 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:244 Resp: 100202

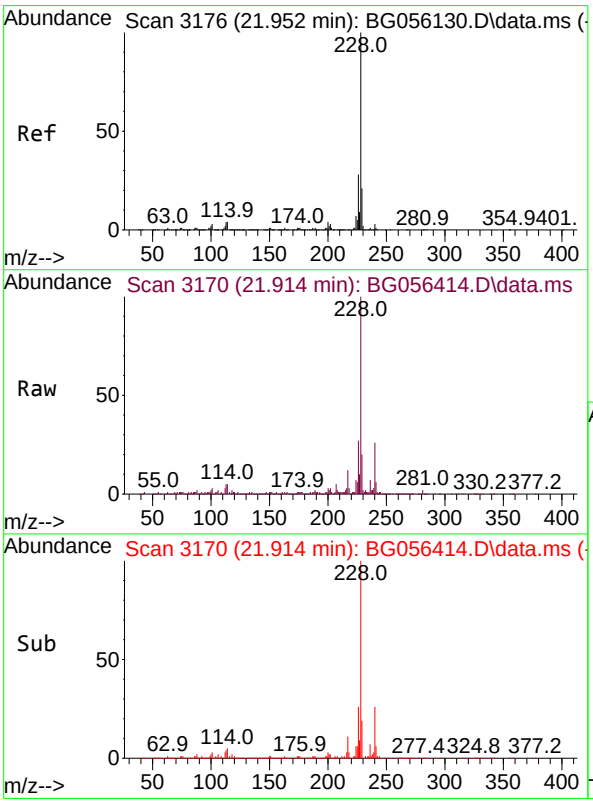
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	5.4	3.5	5.3



Instrument :
BNA_G
ClientSampleId :
B-P-19B

Manual Integrations
APPROVED

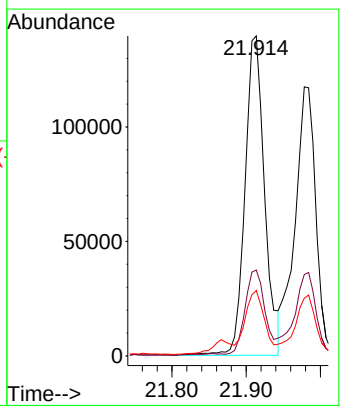
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

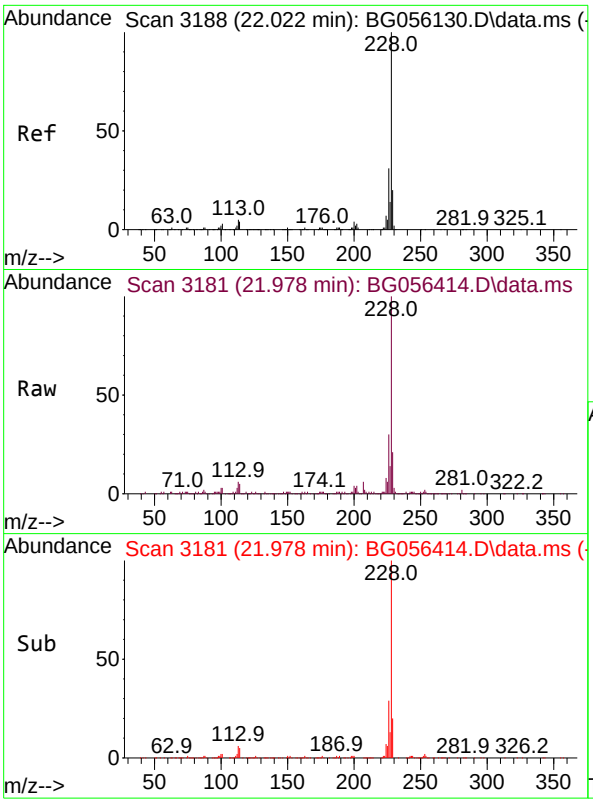


#81
Benzo(a)anthracene
Concen: 13.240 ng
RT: 21.914 min Scan# 3170
Delta R.T. -0.011 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:228 Resp: 255618

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.6	34.0
229	20.4	16.9	25.3





#83
Chrysene
Concen: 12.674 ng
RT: 21.978 min Scan# 3
Delta R.T. -0.017 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

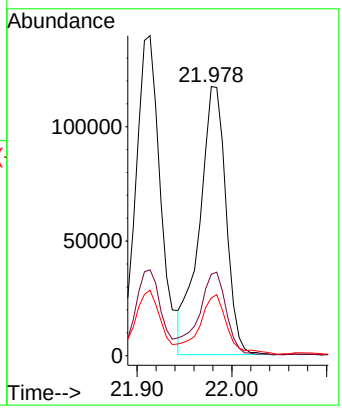
Tgt Ion:228 Resp: 22920

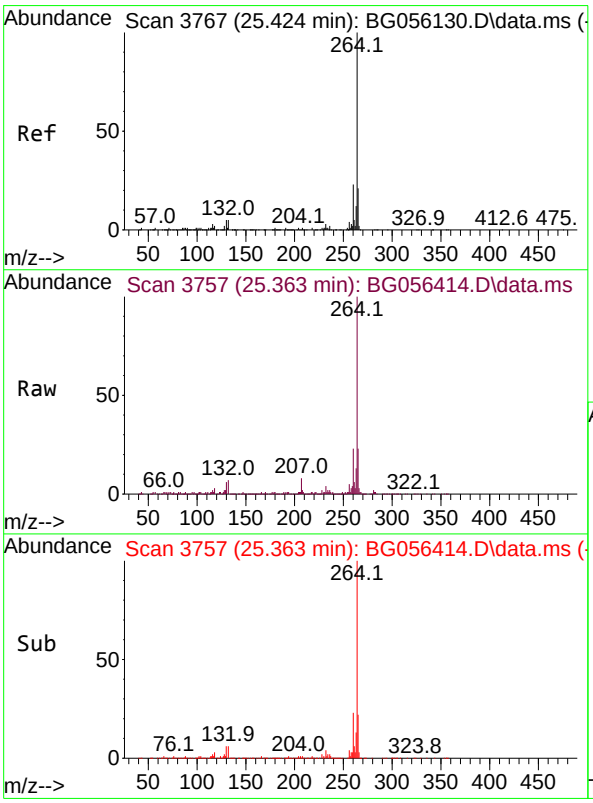
Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	36.8
229	21.4	15.8	23.6

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

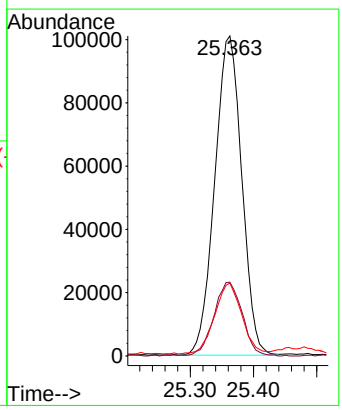


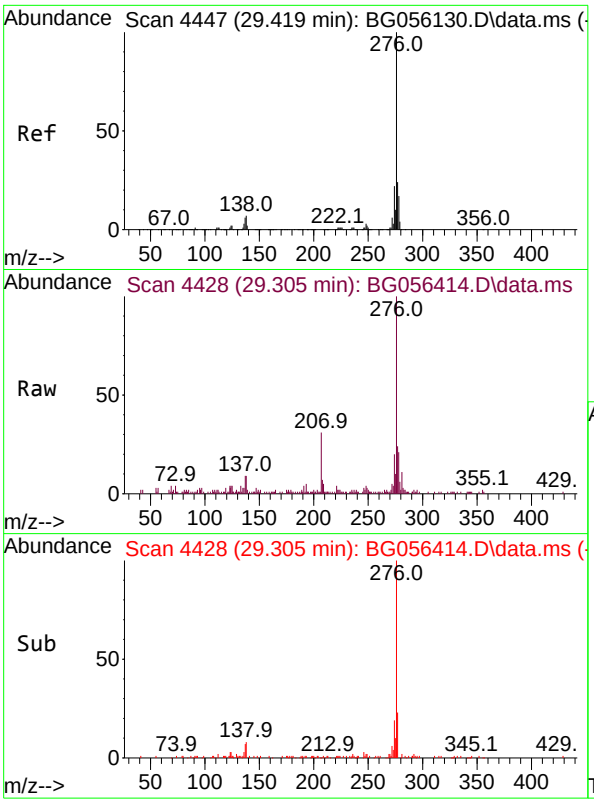


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.363 min Scan# 3757
Delta R.T. -0.011 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:264 Resp: 299958

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	22.8	16.7	25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.995 ng
RT: 29.305 min Scan# 44
Delta R.T. -0.028 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

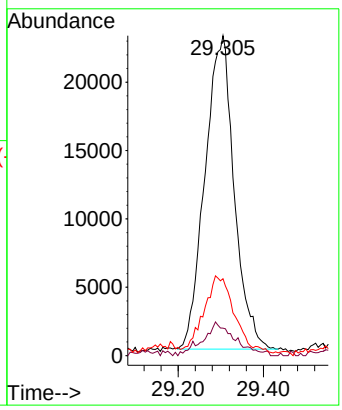
Instrument :
BNA_G
ClientSampleId :
B-P-19B

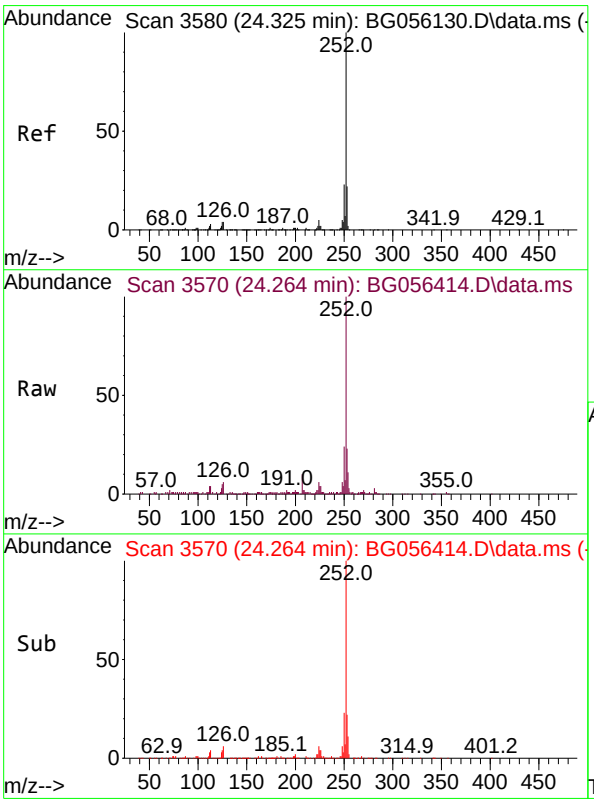
Tgt Ion:276 Resp: 10897

Ion	Ratio	Lower	Upper
276	100		
138	8.2	5.0	7.4#
277	22.8	20.5	30.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

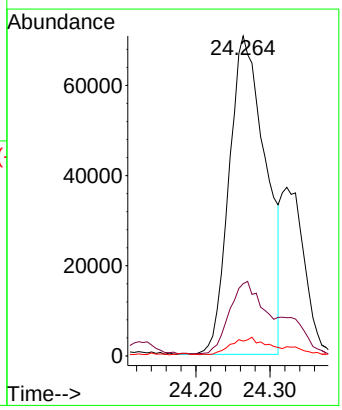


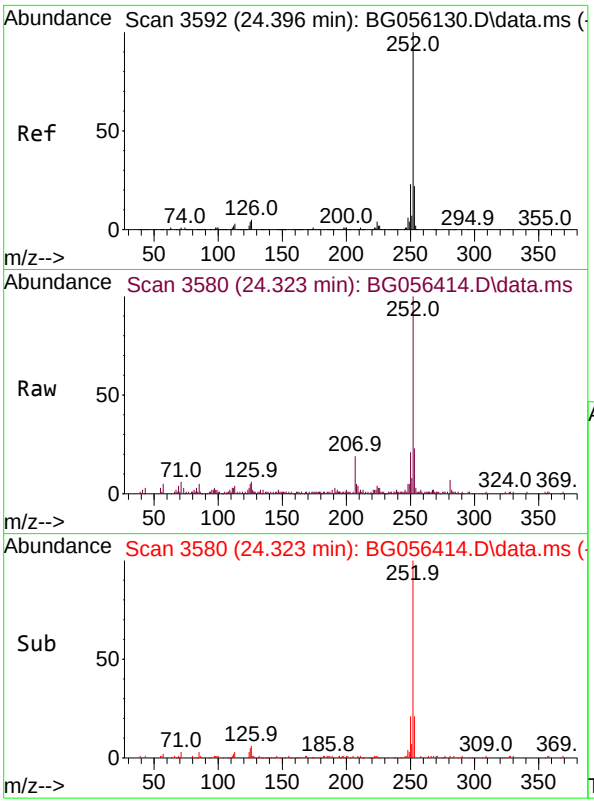


#88
Benzo(b)fluoranthene
Concen: 12.686 ng
RT: 24.264 min Scan# 3570
Delta R.T. -0.017 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:252 Resp: 241770

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	4.6	3.0	4.4#





#89
Benzo(k)fluoranthene
Concen: 4.175 ng m
RT: 24.323 min Scan# 3
Delta R.T. -0.028 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

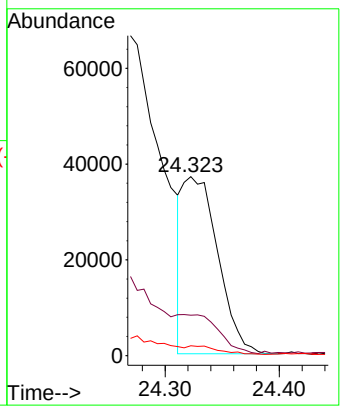
Tgt Ion:252 Resp: 7923

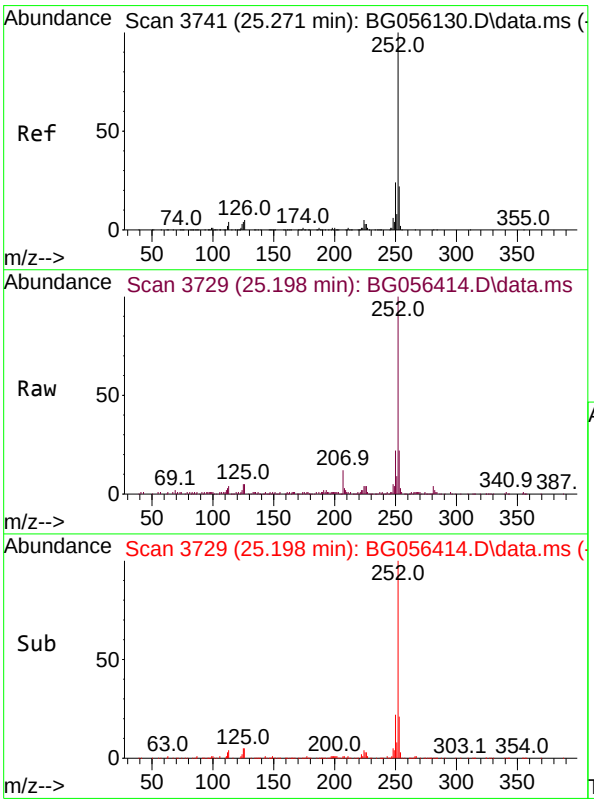
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	5.5	3.4	5.0#

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

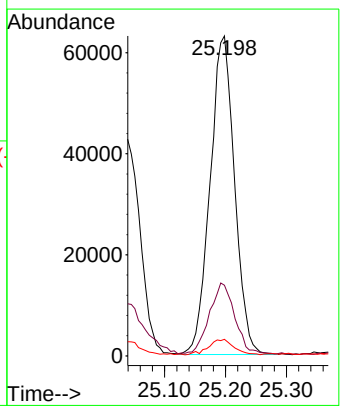


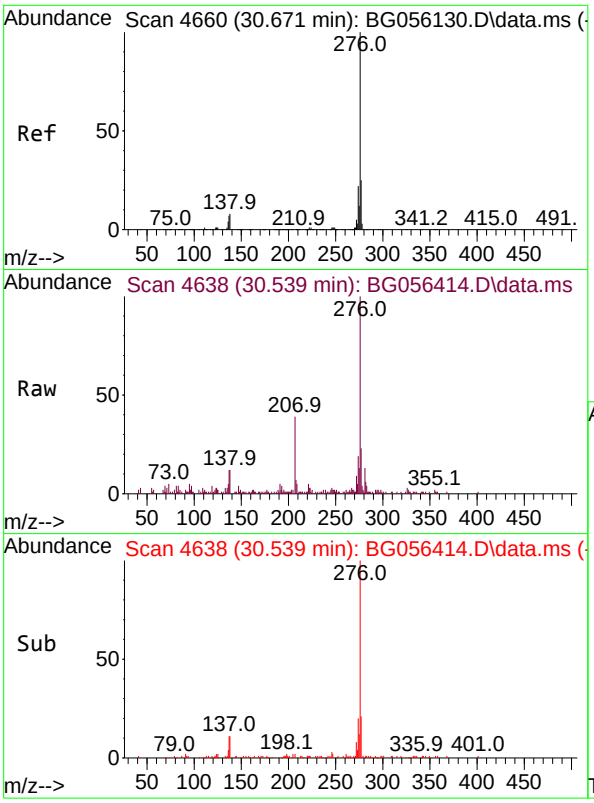


#90
Benzo(a)pyrene
Concen: 9.498 ng
RT: 25.198 min Scan# 3729
Delta R.T. -0.017 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:252 Resp: 176559

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	5.2	3.2	4.8#

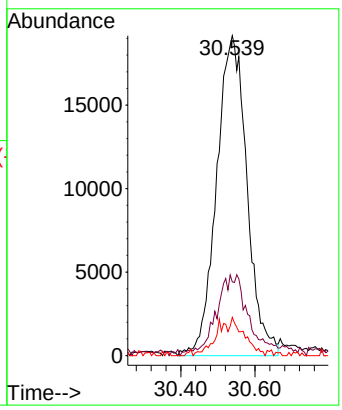




#92
Benzo(g,h,i)perylene
Concen: 6.145 ng
RT: 30.539 min Scan# 4
Delta R.T. -0.034 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:276 Resp: 10898

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.7	29.5
138	11.9	6.7	10.1#



Instrument :
BNA_G
ClientSampleId :
B-P-19B

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

Sample Results: **BG056414.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056414.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.333	341	348	356	rVB	113706	177510	7.35%	0.823%
2	5.815	423	430	445	rBB	479110	776587	32.15%	3.600%
3	7.436	699	706	720	rBV	490061	849067	35.15%	3.936%
4	8.294	844	852	860	rBB	119745	204643	8.47%	0.949%
5	9.469	1042	1052	1061	rBB	284693	519660	21.51%	2.409%
6	11.120	1325	1333	1340	rBV	168788	311216	12.88%	1.443%
7	13.535	1736	1744	1752	rBV	1045218	1641438	67.95%	7.609%
8	14.904	1967	1977	1984	rBV	327761	522884	21.65%	2.424%
9	14.969	1984	1988	1994	rVB	25663	41656	1.72%	0.193%
10	15.298	2034	2044	2051	rVV2	28761	53303	2.21%	0.247%
11	15.944	2147	2154	2160	rBV2	41738	71324	2.95%	0.331%
12	16.244	2200	2205	2211	rVB2	75243	124584	5.16%	0.577%
13	16.385	2223	2229	2236	rBV	822990	1269425	52.55%	5.884%
14	16.602	2255	2266	2272	rBV10	12693	36370	1.51%	0.169%
15	16.943	2311	2324	2329	rBV3	21887	54235	2.25%	0.251%
16	17.160	2354	2361	2366	rBV6	14669	39463	1.63%	0.183%
17	17.201	2366	2368	2377	rVV2	16311	34766	1.44%	0.161%
18	17.295	2379	2384	2390	rVV2	27221	44447	1.84%	0.206%
19	17.360	2390	2395	2408	rVV7	16396	51962	2.15%	0.241%
20	17.466	2408	2413	2418	rVB	32720	53683	2.22%	0.249%
21	17.642	2437	2443	2447	rBV	411901	665847	27.56%	3.086%
22	17.689	2447	2451	2458	rVB	554066	827526	34.26%	3.836%
23	17.777	2458	2466	2470	rBV	100602	162123	6.71%	0.751%
24	18.042	2504	2511	2516	rBV	38976	81327	3.37%	0.377%
25	18.153	2526	2530	2533	rBV2	20053	26521	1.10%	0.123%
26	18.224	2537	2542	2548	rVB	33841	53960	2.23%	0.250%
27	18.365	2561	2566	2573	rVB	19313	41376	1.71%	0.192%
28	18.512	2582	2591	2595	rVV2	159094	323350	13.39%	1.499%
29	18.559	2595	2599	2605	rVB	196051	275101	11.39%	1.275%
30	18.641	2605	2613	2617	rBV	55825	89419	3.70%	0.414%
31	18.706	2617	2624	2628	rVV2	148030	337864	13.99%	1.566%
32	18.741	2628	2630	2638	rVB	110420	130388	5.40%	0.604%
33	18.899	2653	2657	2661	rVB4	25088	37558	1.55%	0.174%
34	18.999	2669	2674	2678	rBV	89257	141637	5.86%	0.657%
35	19.046	2678	2682	2690	rVB2	50337	92850	3.84%	0.430%
36	19.123	2691	2695	2700	rBV3	23657	36078	1.49%	0.167%

Sample Results: **BG056414.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.240	2708	2715	2719	rBV3	50205	89159	3.69%	0.413%
38	19.293	2720	2724	2727	rVB	38723	46382	1.92%	0.215%
39	19.328	2727	2730	2737	rVB	33171	46318	1.92%	0.215%
40	19.411	2737	2744	2749	rBV	124050	244457	10.12%	1.133%
41	19.469	2749	2754	2758	rBV4	27057	56056	2.32%	0.260%
42	19.558	2763	2769	2777	rBV5	65626	157187	6.51%	0.729%
43	19.675	2783	2789	2795	rBV	749261	1088608	45.06%	5.046%
44	19.728	2795	2798	2802	rVV2	30497	51338	2.13%	0.238%
45	19.769	2802	2805	2809	rVB4	39841	57306	2.37%	0.266%
46	19.875	2818	2823	2827	rBV2	50632	73622	3.05%	0.341%
47	20.004	2840	2845	2847	rBV2	123436	200749	8.31%	0.931%
48	20.039	2847	2851	2857	rVV	759533	1056516	43.74%	4.897%
49	20.098	2857	2861	2867	rVV2	64664	95558	3.96%	0.443%
50	20.216	2873	2881	2886	rBV	1848915	2415651	100.00%	11.197%
51	20.268	2886	2890	2896	rVB2	35006	67933	2.81%	0.315%
52	20.351	2897	2904	2912	rBV4	86250	223451	9.25%	1.036%
53	20.492	2921	2928	2929	rBV4	65020	107636	4.46%	0.499%
54	20.621	2946	2950	2953	rBV	35512	51259	2.12%	0.238%
55	20.680	2954	2960	2964	rVV2	103378	155546	6.44%	0.721%
56	20.821	2980	2984	2988	rBV	77352	111568	4.62%	0.517%
57	20.862	2988	2991	2999	rVB	70782	120957	5.01%	0.561%
58	21.079	3024	3028	3031	rBV5	15653	31229	1.29%	0.145%
59	21.297	3061	3065	3072	rVB	112480	171099	7.08%	0.793%
60	21.508	3090	3101	3103	rBV4	96552	283766	11.75%	1.315%
61	21.590	3111	3115	3119	rVV2	49881	69487	2.88%	0.322%
62	21.643	3120	3124	3134	rVB2	89381	165319	6.84%	0.766%
63	21.931	3164	3173	3178	rBV2	494157	1346641	55.75%	6.242%
64	21.984	3178	3182	3190	rVB	279855	483900	20.03%	2.243%
65	22.360	3243	3246	3251	rVB4	29743	49887	2.07%	0.231%
66	22.701	3301	3304	3309	rVB2	58866	95410	3.95%	0.442%
67	24.264	3562	3570	3589	rVB3	166991	804053	33.29%	3.727%
68	24.540	3613	3617	3624	rVB3	27519	61601	2.55%	0.286%
69	25.039	3697	3702	3711	rVB2	93493	254457	10.53%	1.179%
70	25.198	3720	3729	3740	rVB	140463	408676	16.92%	1.894%
71	25.363	3748	3757	3765	rBV2	224639	629769	26.07%	2.919%

Sum of corrected areas: 21573699

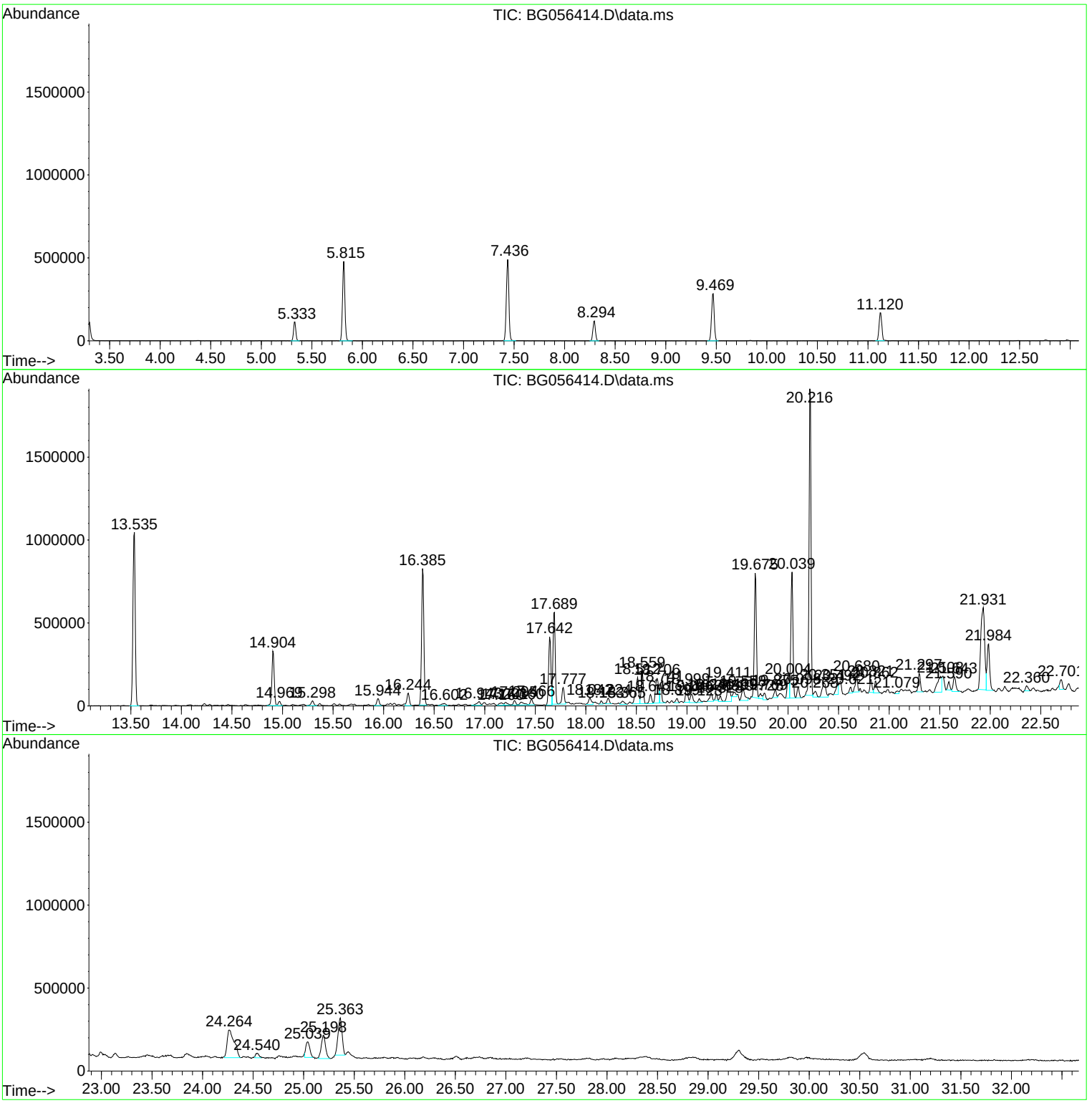
Sample Results: **BG056414.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

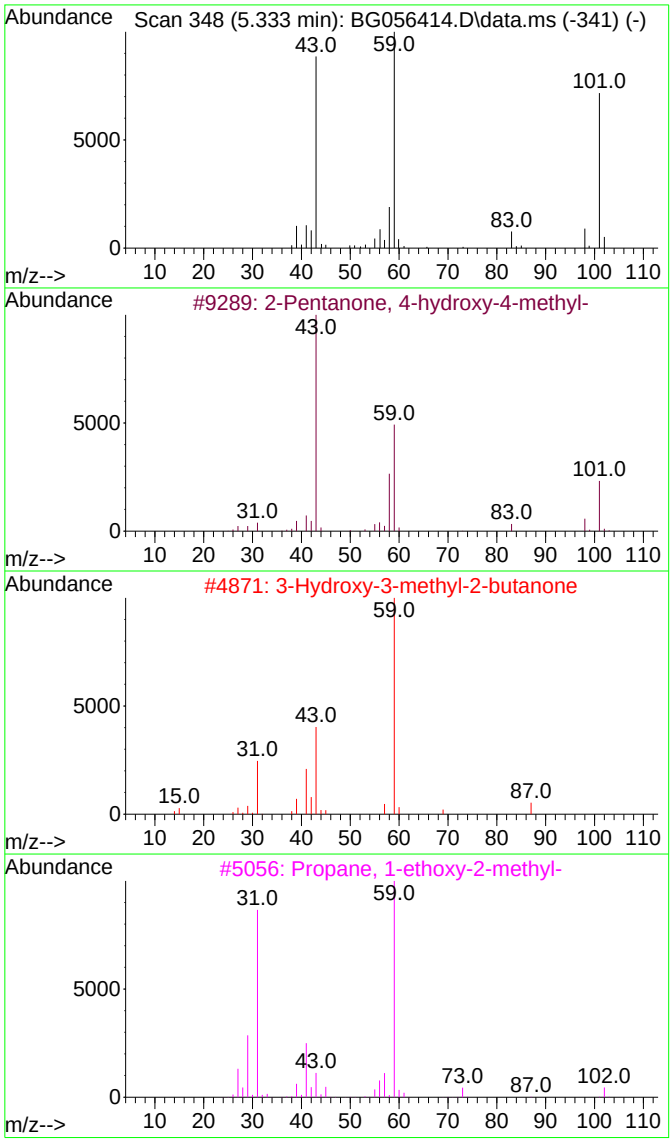
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

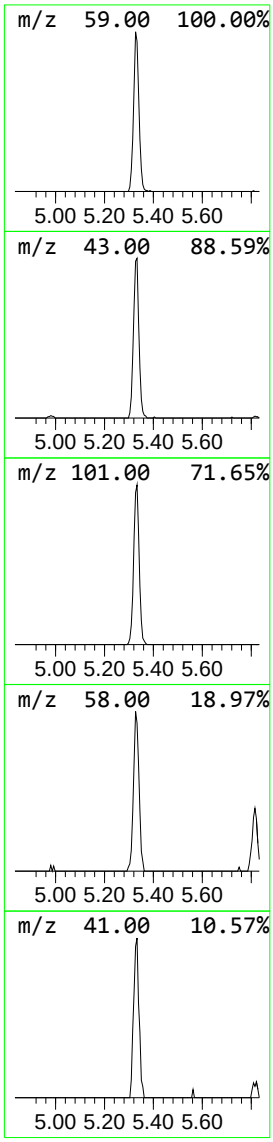
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.333	17.35 ng	177510	1,4-Dichlorobenzene-d4	8.288

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	32
3	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	32
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	23
5	Guanidine	59	CH5N3	000113-00-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

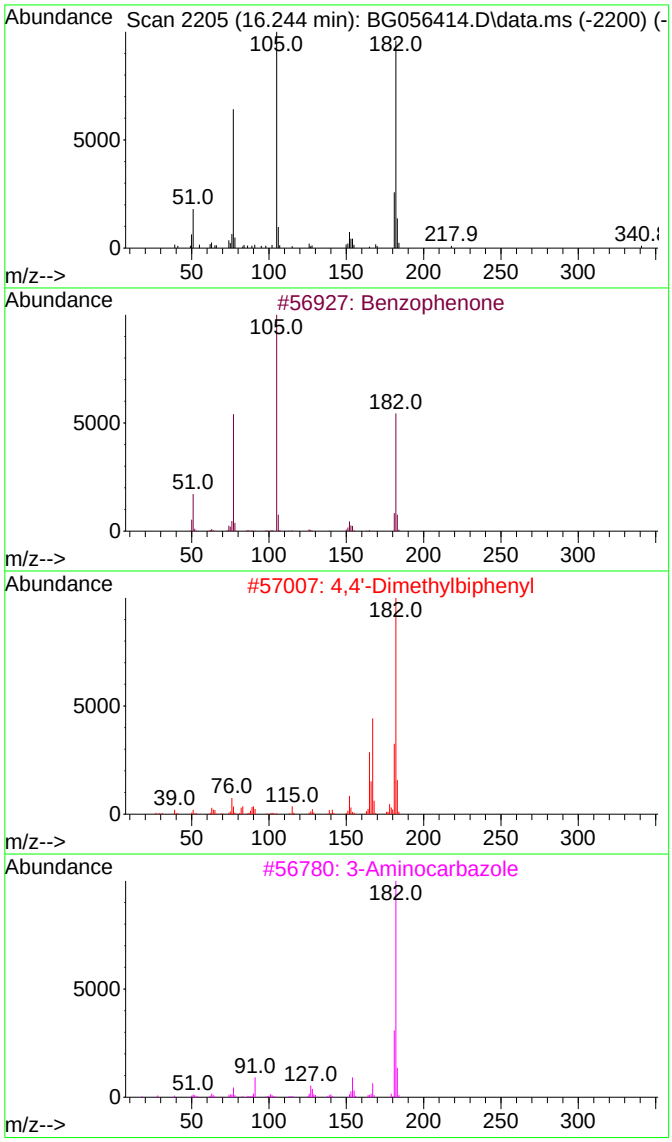
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

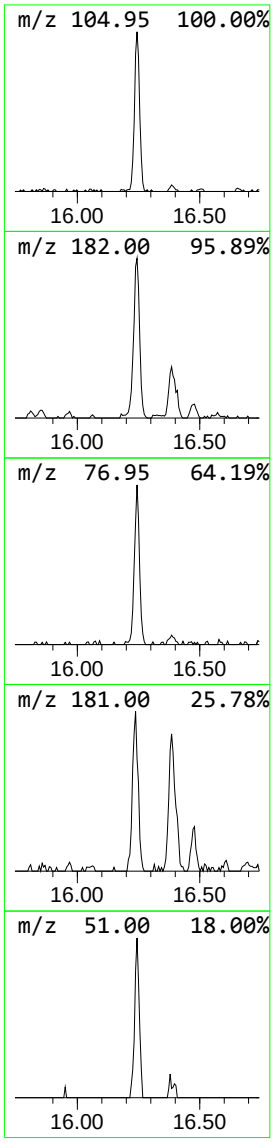
****

Peak Number 3 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.244	4.77 ng	124584	Acenaphthene-d10	14.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	93
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	43
3	3-Aminocarbazole	182	C12H10N2	006377-12-4	43
4	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	30
5	Methyl benzilate	242	C15H14O3	000076-89-1	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

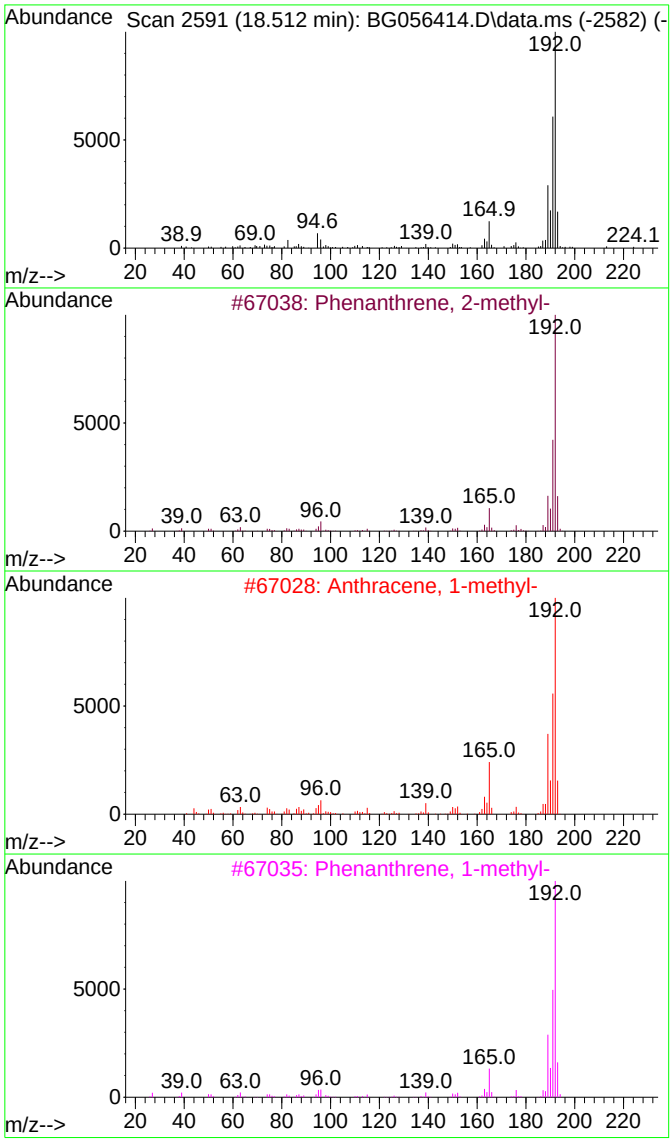
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

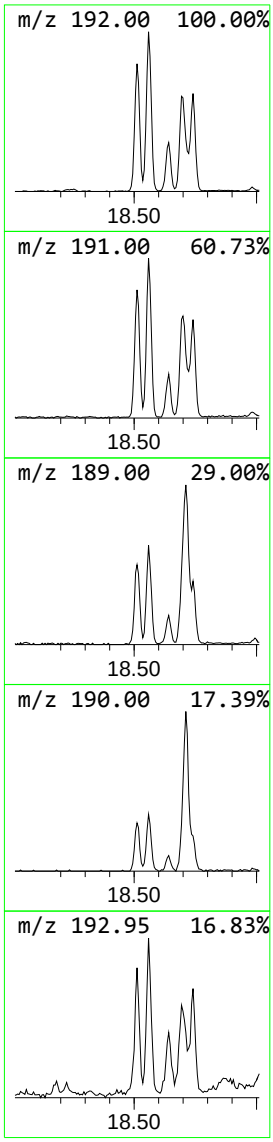
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.512	9.71 ng	323350	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

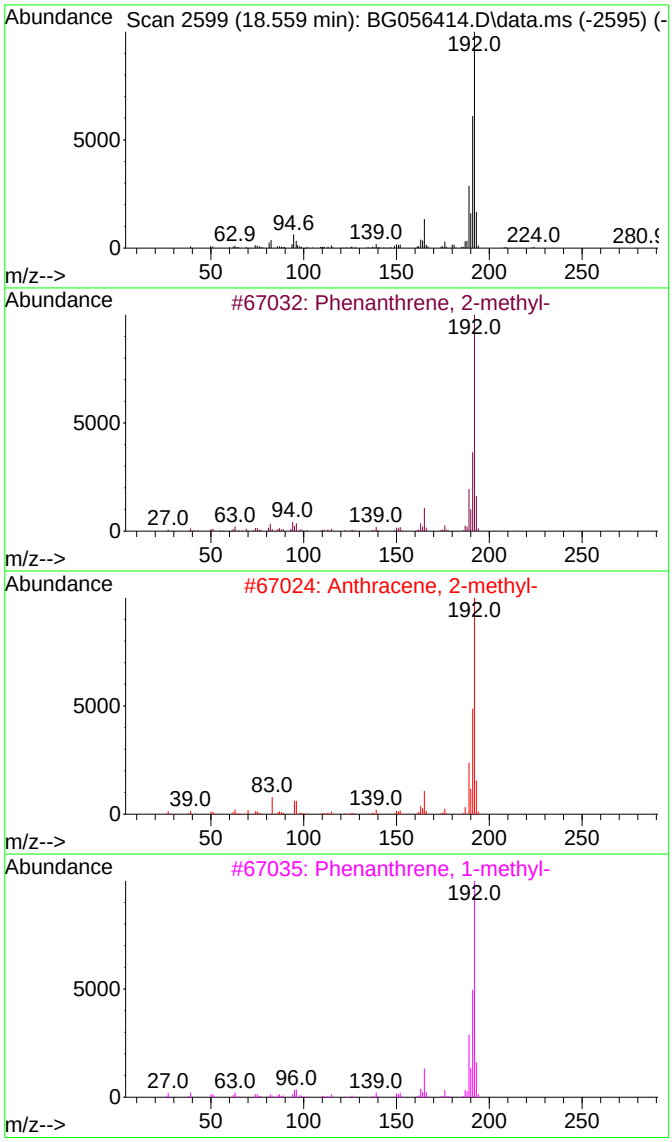
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

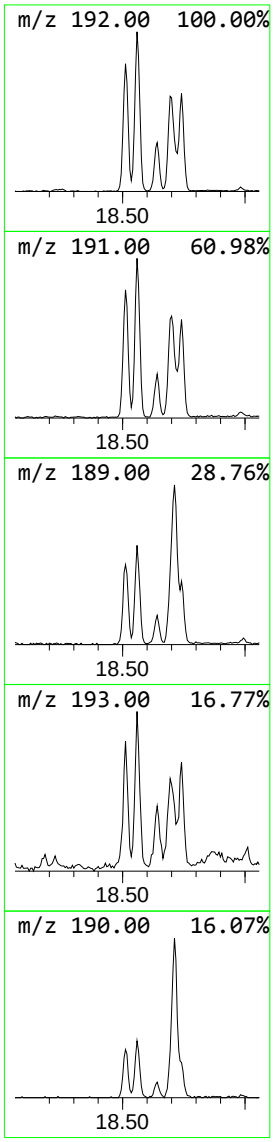
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.559	8.26 ng	275101	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

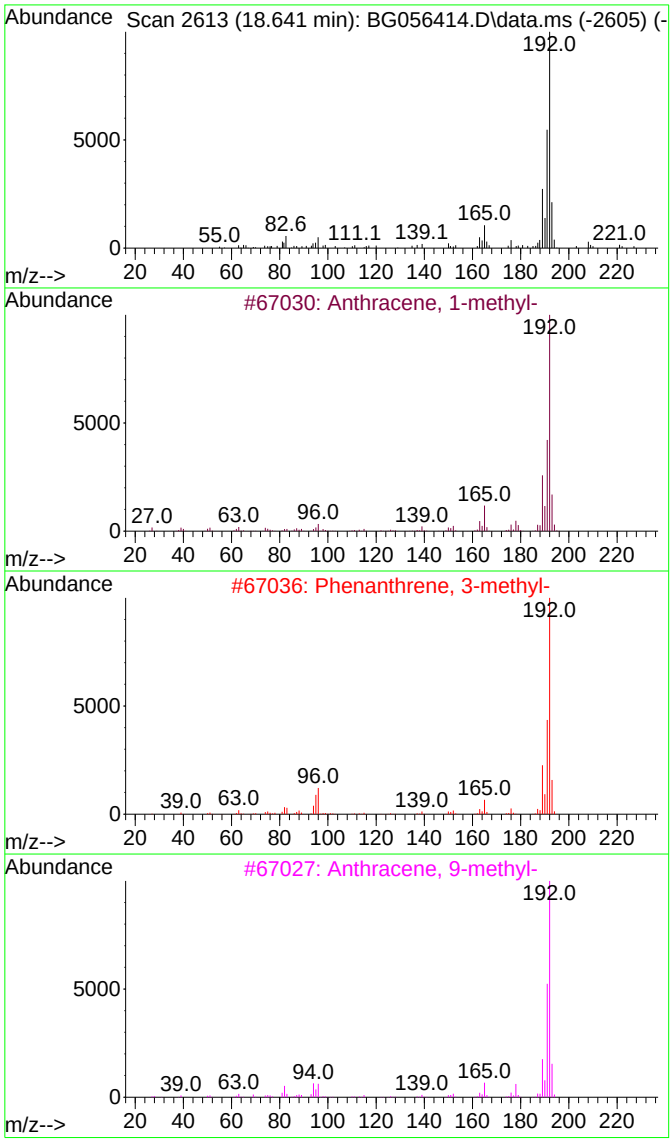
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

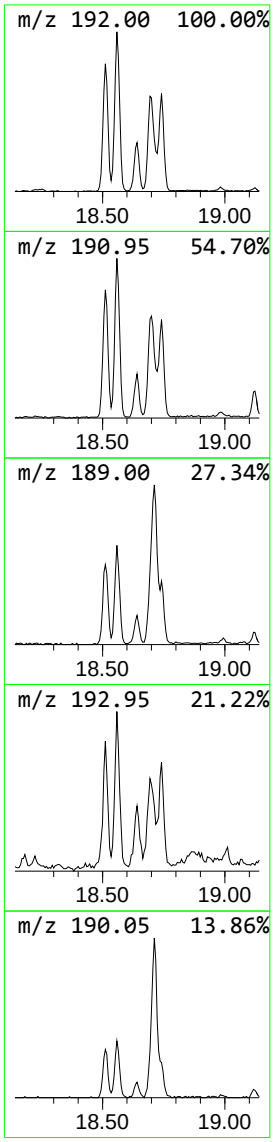
****

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.641	2.69 ng	89419	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

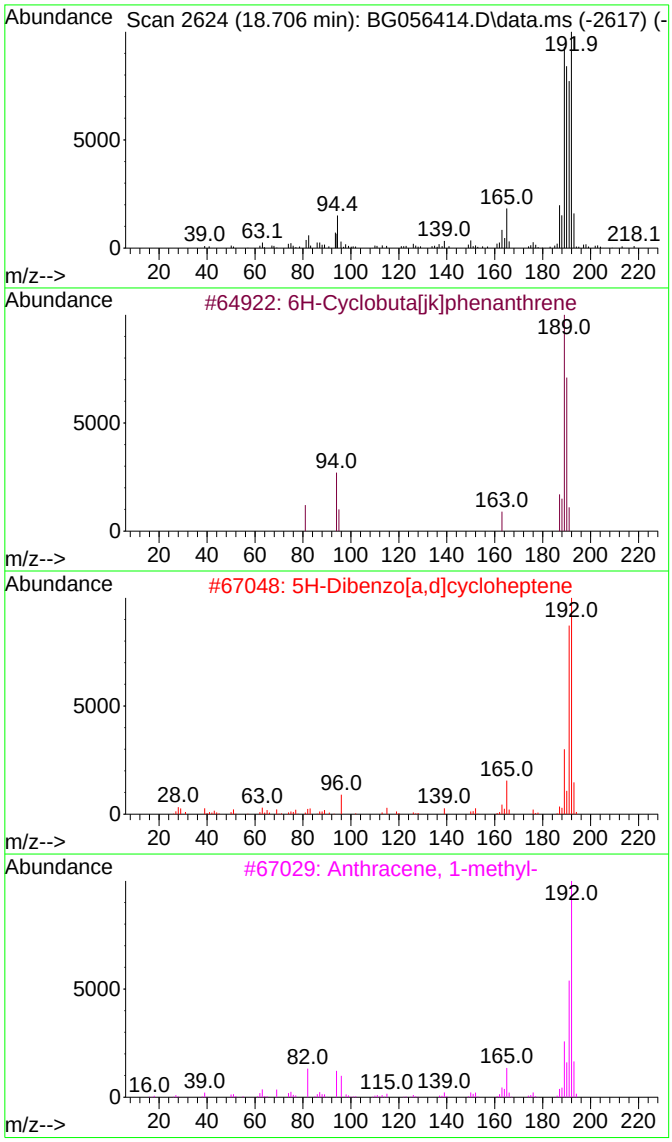
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

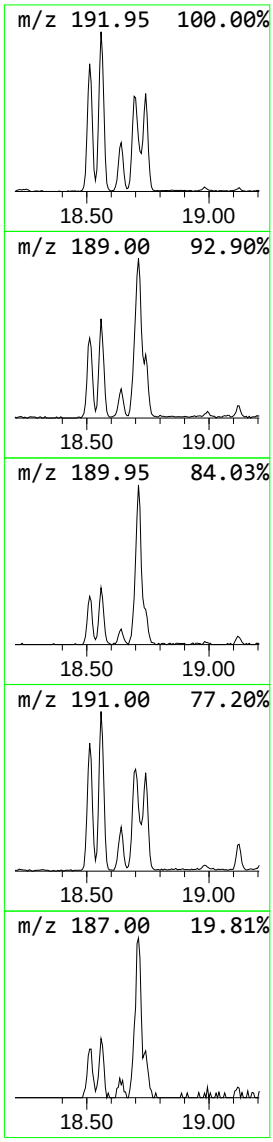
****

Peak Number 8 unknown18.706 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.706	10.15 ng	337864	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	45
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	45
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	43
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

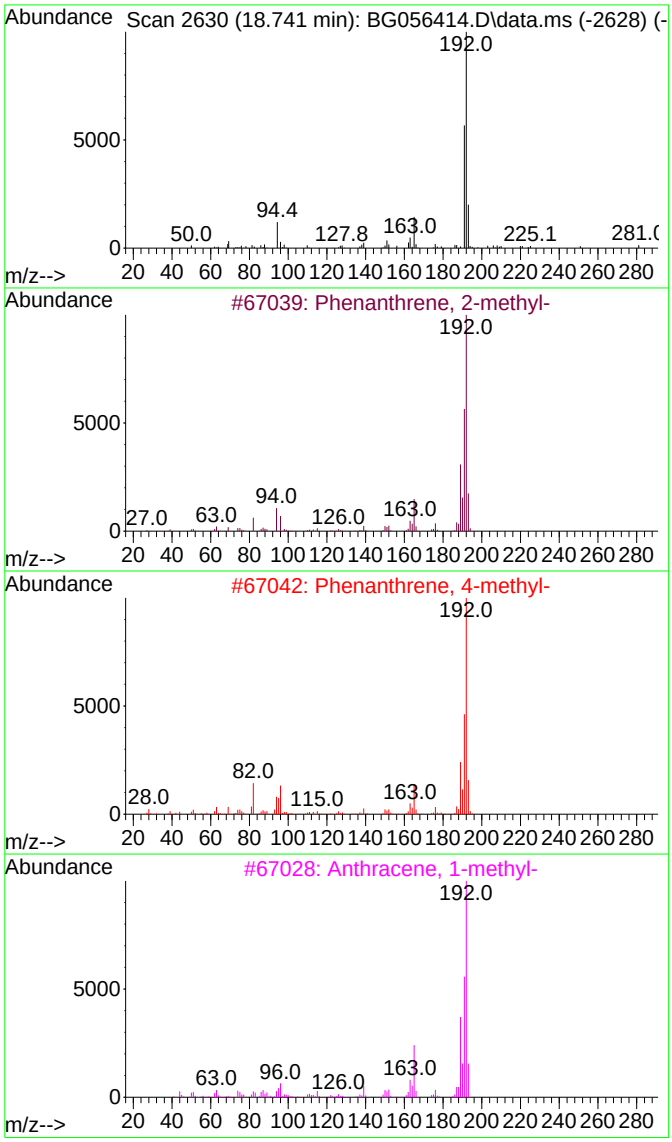
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

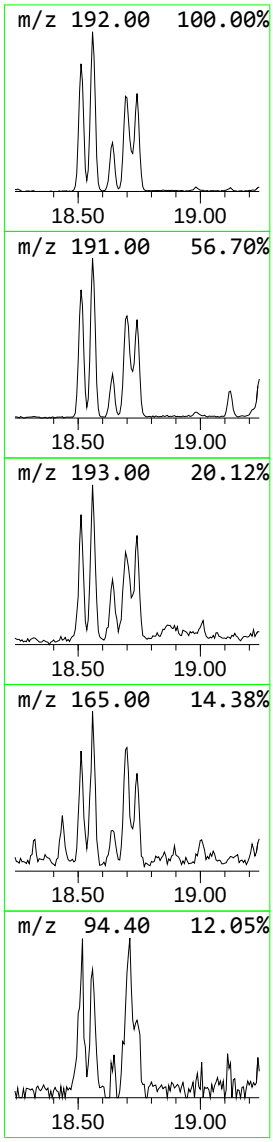
****

Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.741	3.92 ng	130388	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	86
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

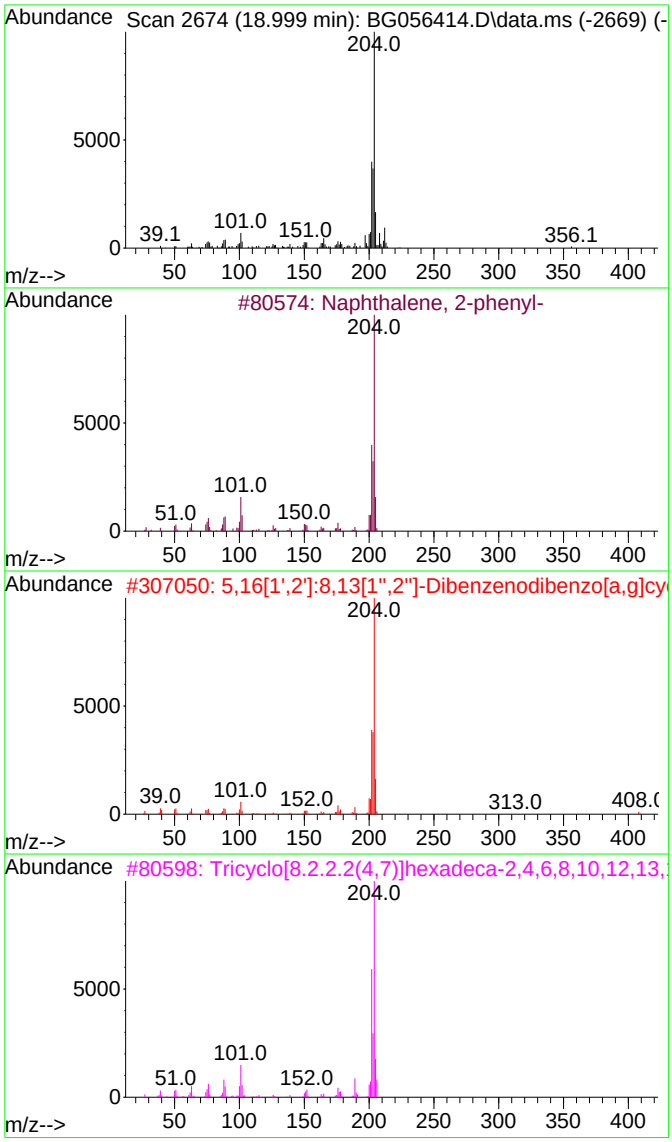
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

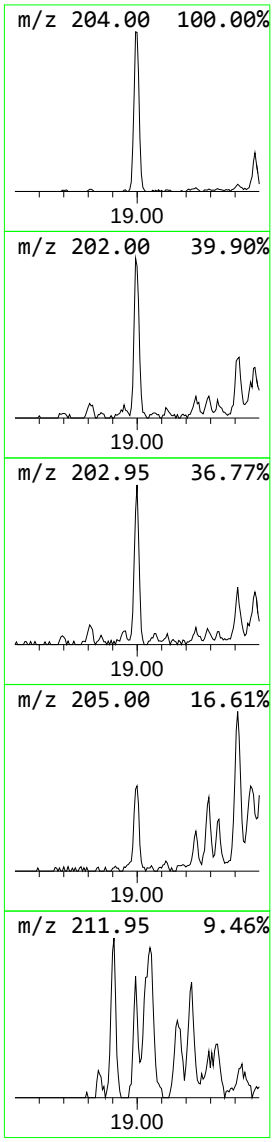
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.999	4.25 ng	141637	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

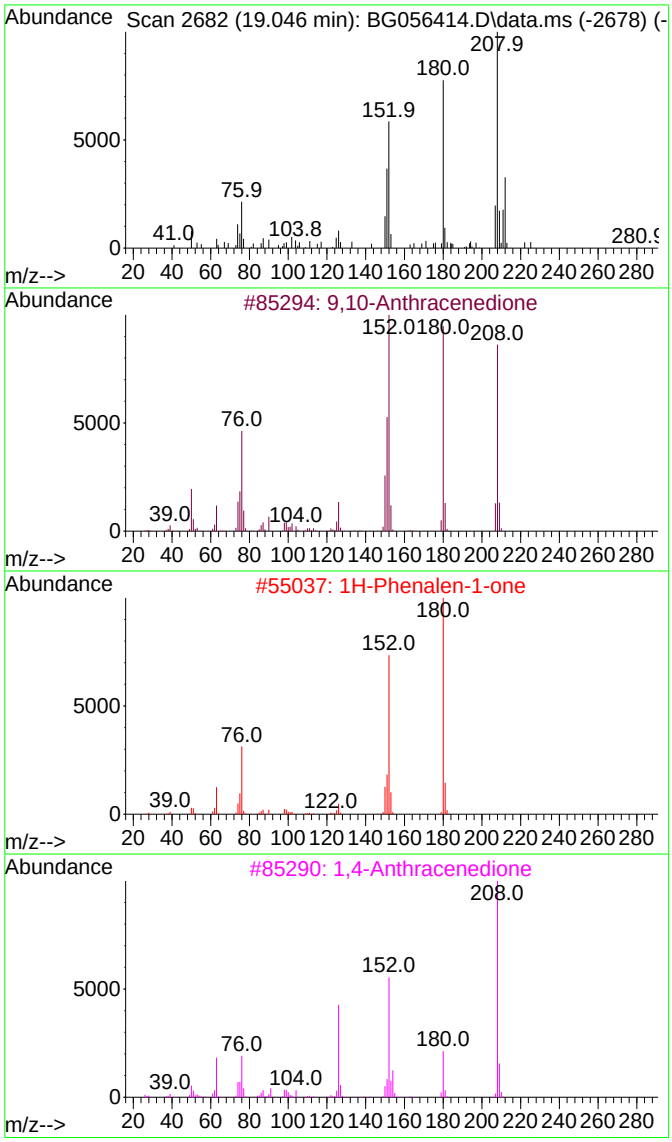
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

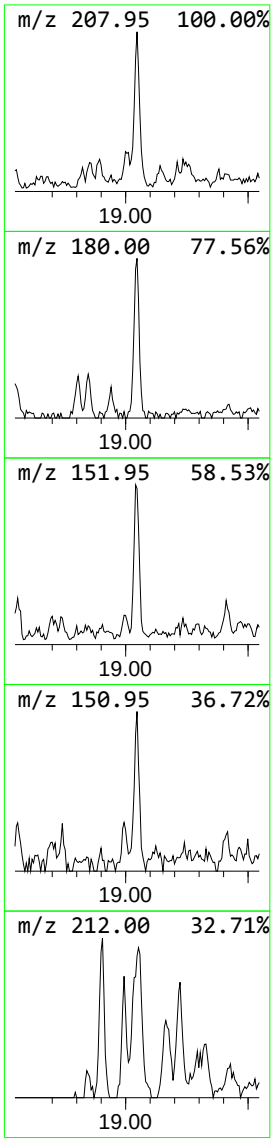
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.046	2.79 ng	92850	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
4	5,6,7,8-Tetrahydro-1-phenylnapht...	208	C16H16	067064-63-5	47
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

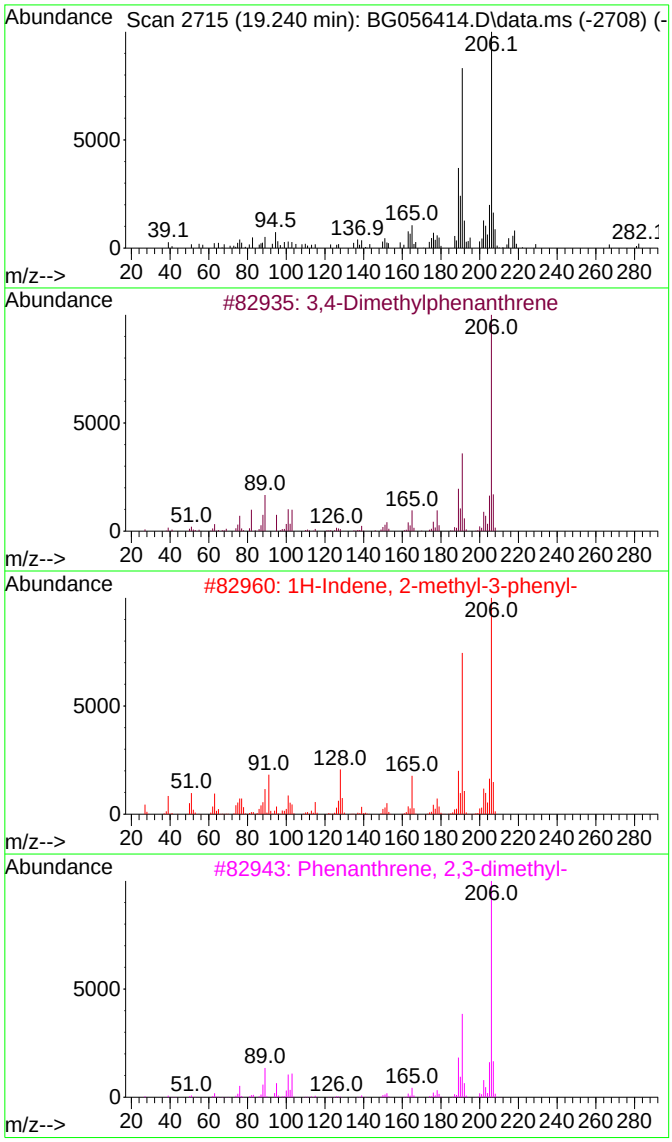
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

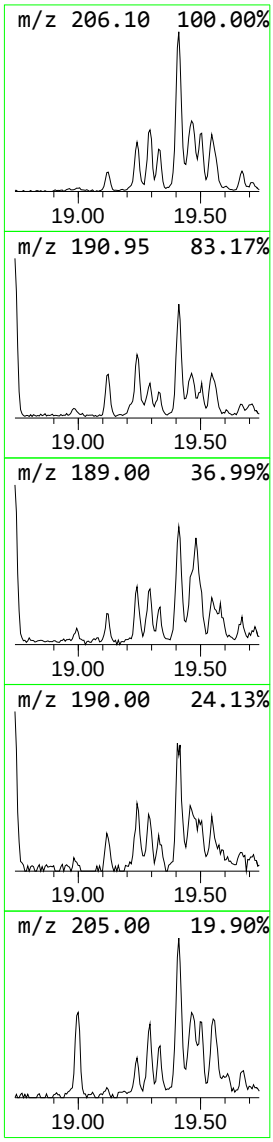
****

Peak Number 12 3,4-Dimethylphenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.240	2.68 ng	89159	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	94
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

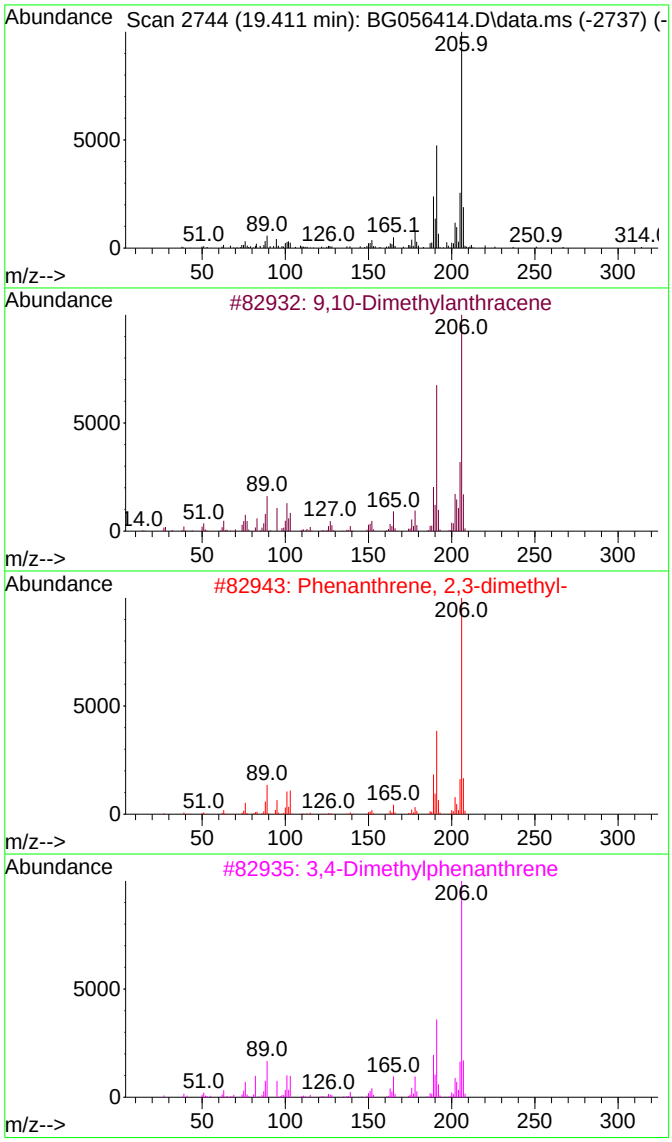
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

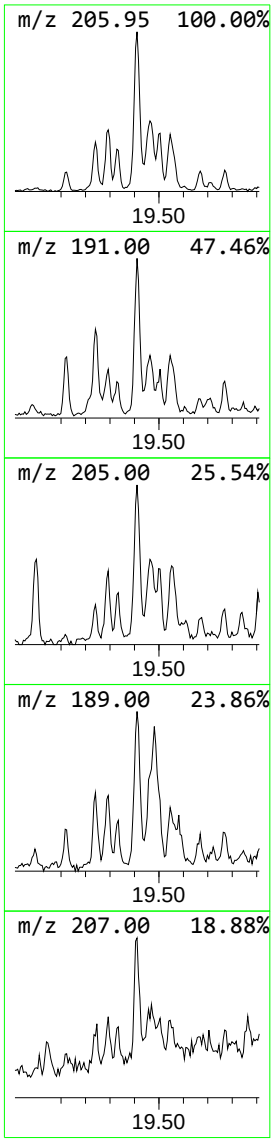
****

Peak Number 13 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.411	7.34 ng	244457	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

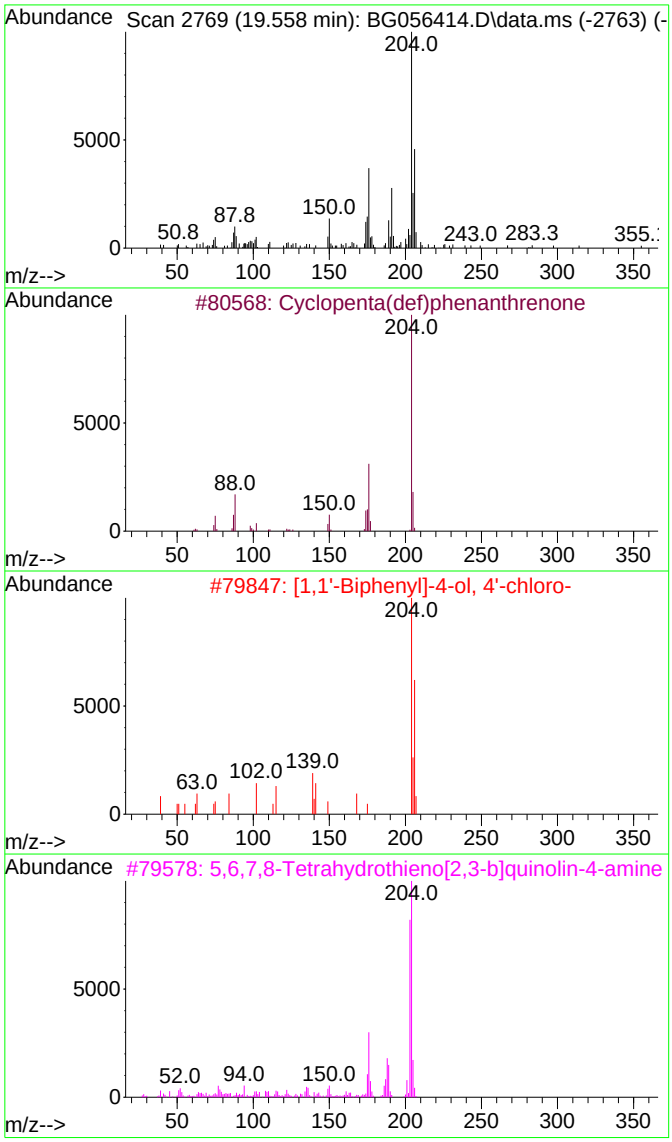
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

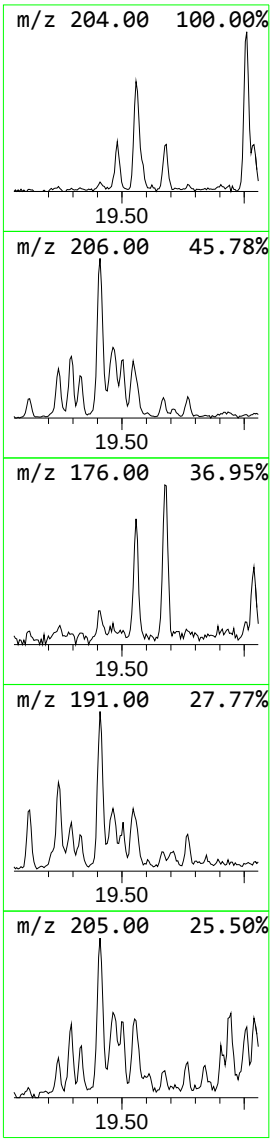
****

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.558	4.72 ng	157187	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	52
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	46
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

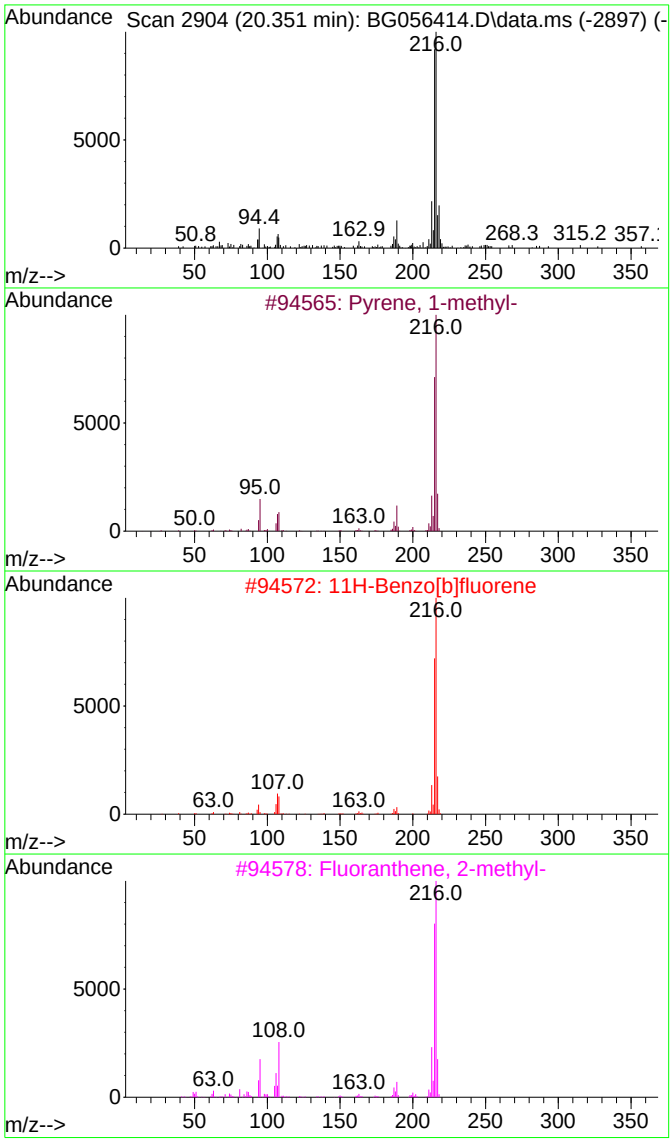
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

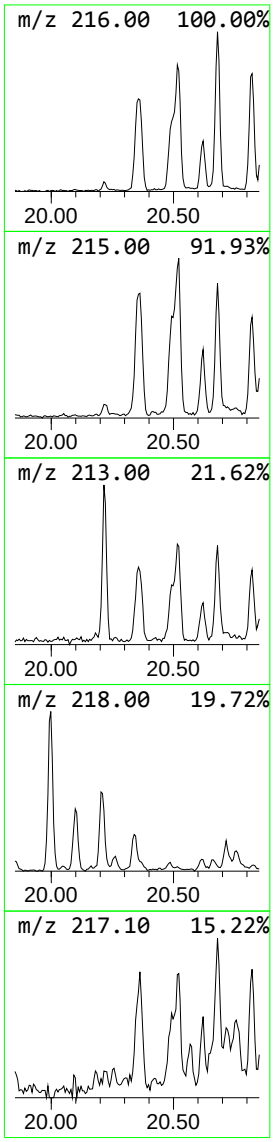
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.351	3.32 ng	223451	Chrysene-d12	21.931

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

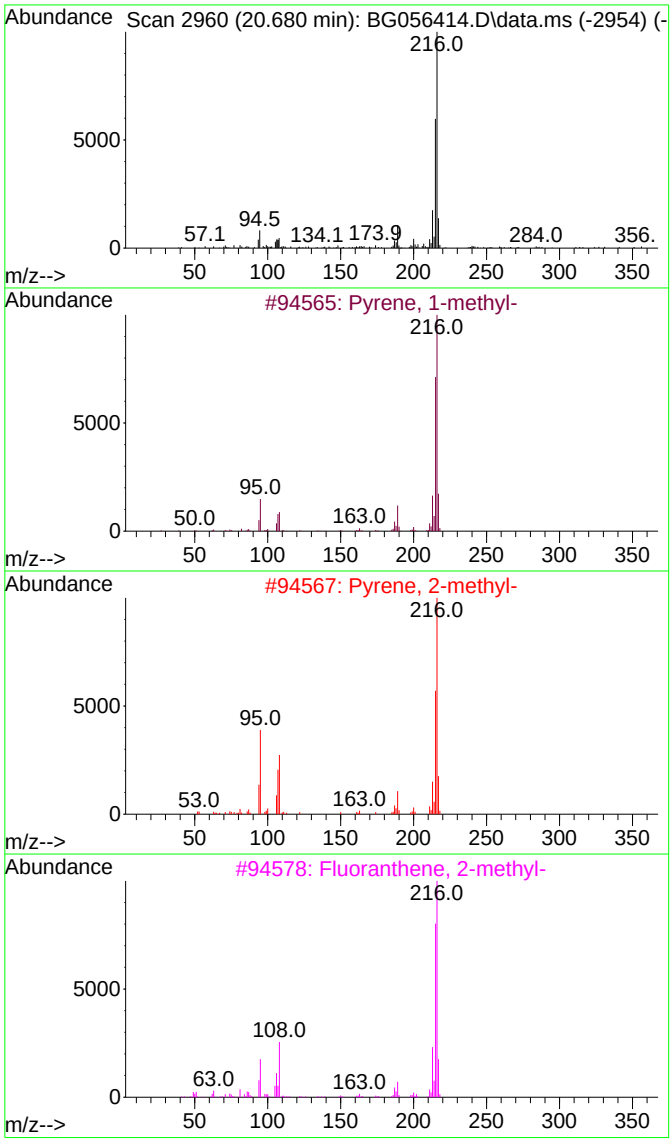
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

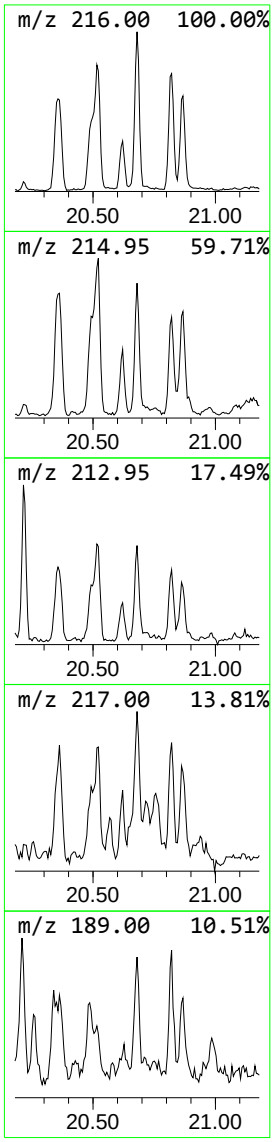
****

Peak Number 16 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.680	2.31 ng	155546	Chrysene-d12	21.931

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

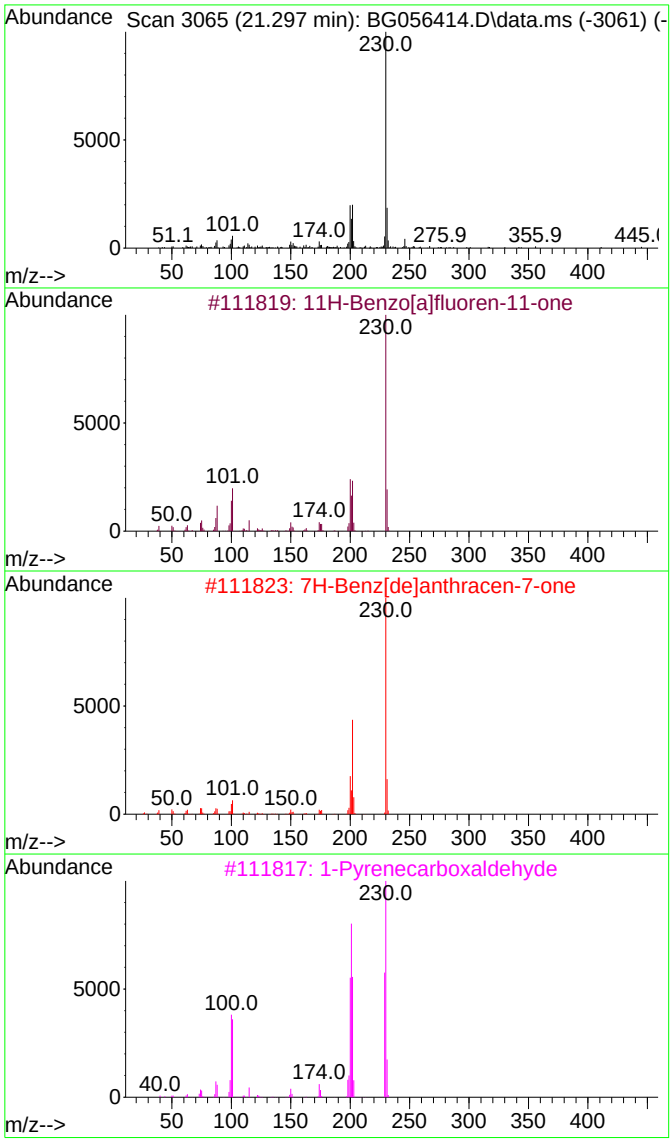
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

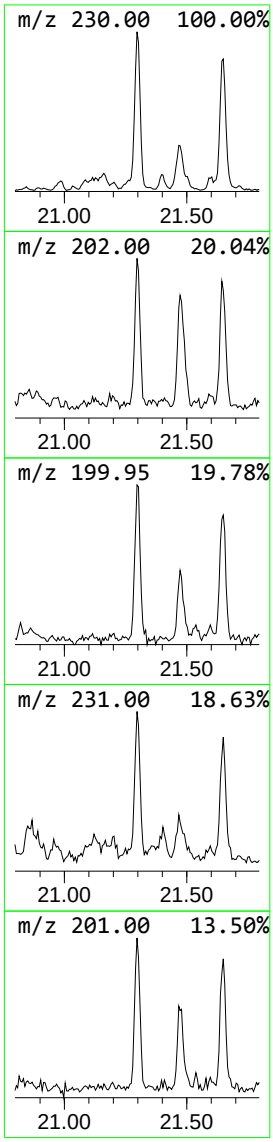
****

Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.297	2.54 ng	171099	Chrysene-d12	21.931

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	68
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

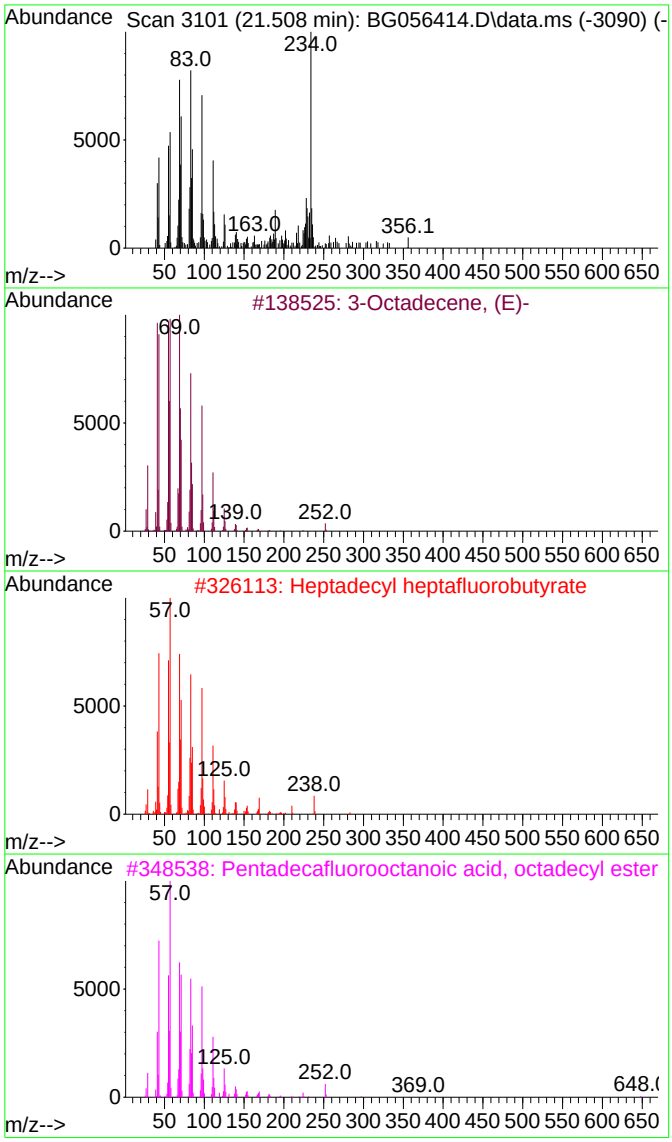
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

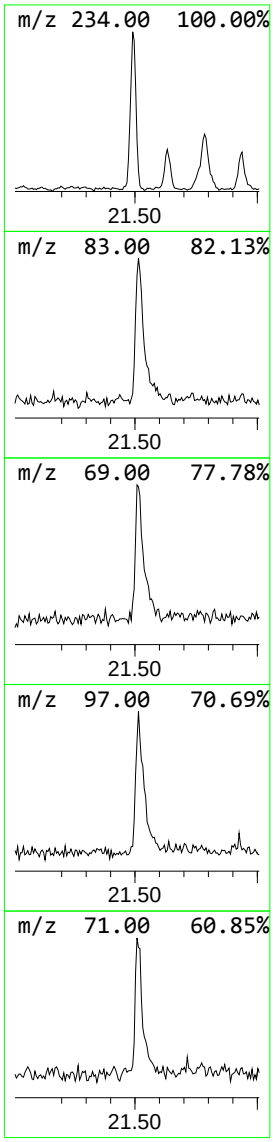
****

Peak Number 18 3-Octadecene, (E)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.508	4.21 ng	283766	Chrysene-d12	21.931

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octadecene, (E)-	252	C18H36	007206-19-1	78
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	70
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	70
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	62
5	11-Methyldodecanol	200	C13H28O	085763-57-1	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

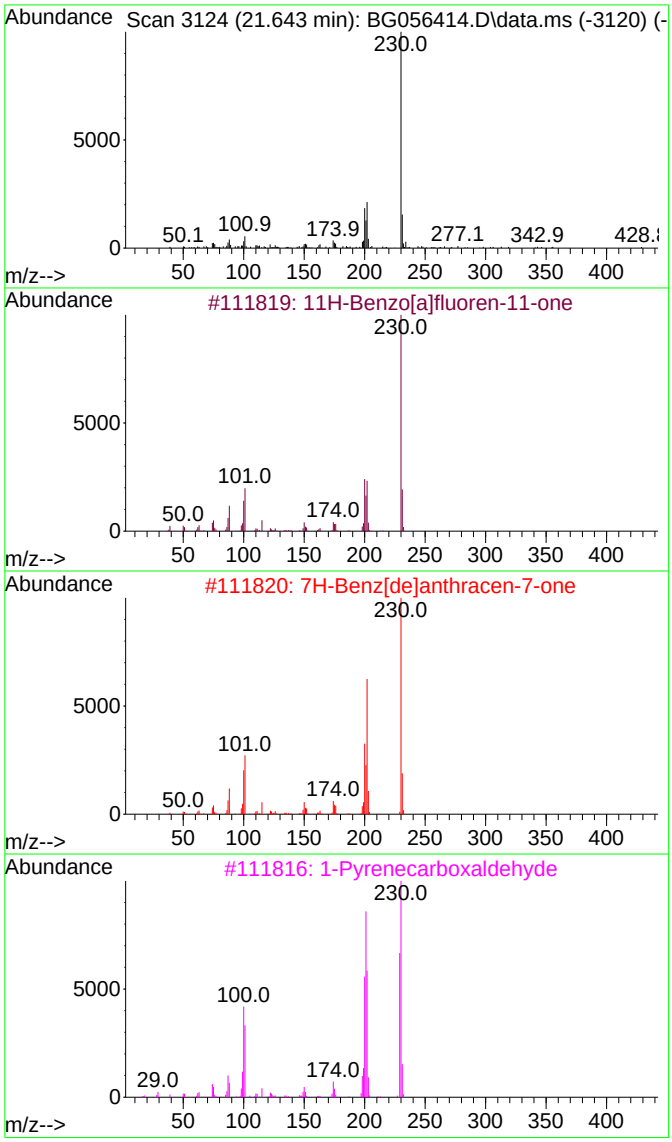
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

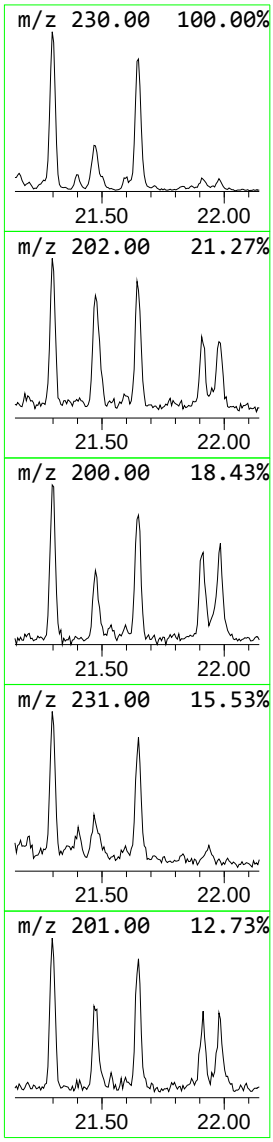
****

Peak Number 19 7H-Benz[de]anthracen-7-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.643	2.46 ng	165319	Chrysene-d12	21.931

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
5	Visnagin	230	C13H10O4	000082-57-5	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

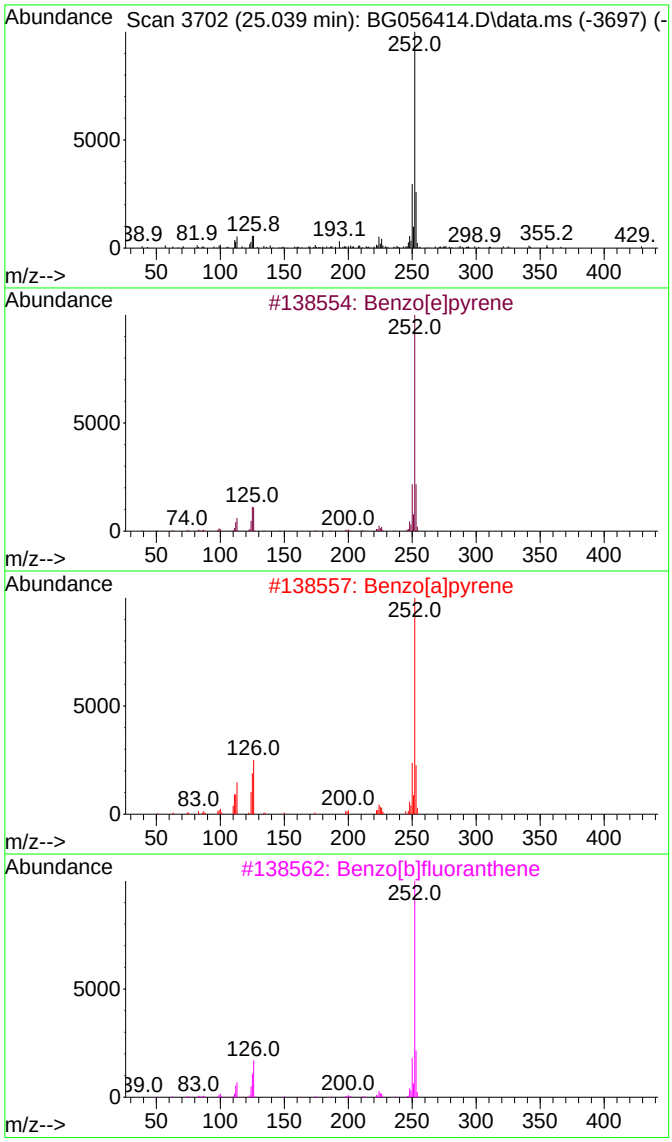
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

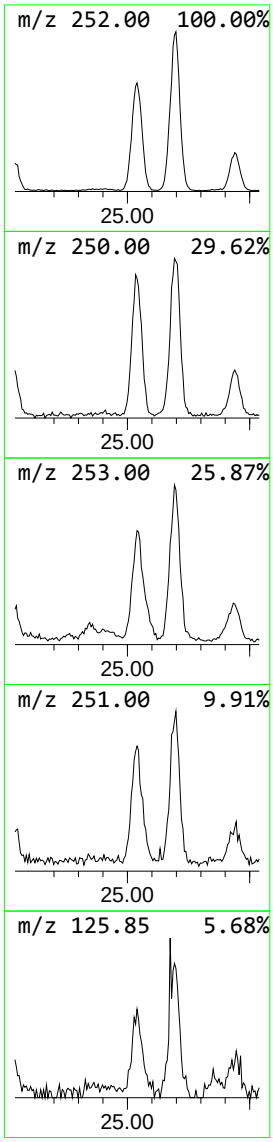
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.039	8.08 ng	254457	Perylene-d12	25.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	89
2	Benzo[a]pyrene	252	C20H12	000050-32-8	89
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
4	Perylene	252	C20H12	000198-55-0	76
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
Operator : CG/JU
Sample : 01232-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.333	17.4	ng	177510	1	8.288	204643	20.0
Benzophenone	16.244	4.8	ng	124584	3	14.904	522884	20.0
Phenanthrene, 2...	18.512	9.7	ng	323350	4	17.642	665847	20.0
Anthracene, 2-m...	18.559	8.3	ng	275101	4	17.642	665847	20.0
Anthracene, 1-m...	18.641	2.7	ng	89419	4	17.642	665847	20.0
unknown18.706	18.706	10.2	ng	337864	4	17.642	665847	20.0
Phenanthrene, 4...	18.741	3.9	ng	130388	4	17.642	665847	20.0
Naphthalene, 2-...	18.999	4.3	ng	141637	4	17.642	665847	20.0
9,10-Anthracene...	19.046	2.8	ng	92850	4	17.642	665847	20.0
3,4-Dimethylphe...	19.240	2.7	ng	89159	4	17.642	665847	20.0
9,10-Dimethylan...	19.411	7.3	ng	244457	4	17.642	665847	20.0
Cyclopenta(def)...	19.558	4.7	ng	157187	4	17.642	665847	20.0
Pyrene, 1-methyl-	20.351	3.3	ng	223451	5	21.931	1346640	20.0
Pyrene, 2-methyl-	20.680	2.3	ng	155546	5	21.931	1346640	20.0
11H-Benzo[a]flu...	21.297	2.5	ng	171099	5	21.931	1346640	20.0
3-Octadecene, (E)-	21.508	4.2	ng	283766	5	21.931	1346640	20.0
7H-Benz[de]anth...	21.643	2.5	ng	165319	5	21.931	1346640	20.0
Benzo[e]pyrene	25.039	8.1	ng	254457	6	25.363	629769	20.0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P35A	SDG No.:	O1232
Lab Sample ID:	O1232-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF132177.D	1	01/20/23 12:30	01/20/23 23:51	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	150	U	150	360	ug/Kg
108-95-2	Phenol	74.0	U	74.0	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.7	U	87.7	190	ug/Kg
95-57-8	2-Chlorophenol	74.6	U	74.6	190	ug/Kg
95-48-7	2-Methylphenol	120	U	120	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	87.5	U	87.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	83.1	U	83.1	87.4	ug/Kg
67-72-1	Hexachloroethane	80.5	U	80.5	190	ug/Kg
98-95-3	Nitrobenzene	80.7	U	80.7	190	ug/Kg
78-59-1	Isophorone	72.8	U	72.8	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	190	ug/Kg
120-83-2	2,4-Dichlorophenol	89.2	U	89.2	190	ug/Kg
91-20-3	Naphthalene	80.7	U	80.7	190	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	190	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	190	ug/Kg
105-60-2	Caprolactam	110	U	110	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	86.0	U	86.0	190	ug/Kg
91-57-6	2-Methylnaphthalene	81.9	U	81.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	93.3	U	93.3	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	91.3	U	91.3	190	ug/Kg
92-52-4	1,1-Biphenyl	94.5	U	94.5	190	ug/Kg
91-58-7	2-Chloronaphthalene	93.4	U	93.4	190	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	190	ug/Kg
131-11-3	Dimethylphthalate	88.4	U	88.4	190	ug/Kg
208-96-8	Acenaphthylene	75.0	U	75.0	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.3	U	85.3	190	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P35A	SDG No.:	O1232
Lab Sample ID:	O1232-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF132177.D	1	01/20/23 12:30	01/20/23 23:51	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	110	U	110	190	ug/Kg
83-32-9	Acenaphthene	86.2	U	86.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	360	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	360	ug/Kg
132-64-9	Dibenzofuran	81.1	U	81.1	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.4	U	92.4	190	ug/Kg
84-66-2	Diethylphthalate	87.9	U	87.9	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	190	ug/Kg
86-73-7	Fluorene	86.1	U	86.1	190	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	94.2	U	94.2	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.8	U	89.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	190	ug/Kg
1912-24-9	Atrazine	98.3	U	98.3	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	360	ug/Kg
85-01-8	Phenanthrene	91.3	U	91.3	190	ug/Kg
120-12-7	Anthracene	91.8	U	91.8	190	ug/Kg
86-74-8	Carbazole	92.0	U	92.0	190	ug/Kg
84-74-2	Di-n-butylphthalate	95.0	U	95.0	190	ug/Kg
206-44-0	Fluoranthene	87.2	U	87.2	190	ug/Kg
129-00-0	Pyrene	81.1	U	81.1	190	ug/Kg
85-68-7	Butylbenzylphthalate	90.3	U	90.3	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	U	150	360	ug/Kg
56-55-3	Benzo(a)anthracene	94.8	U	94.8	190	ug/Kg
218-01-9	Chrysene	93.4	U	93.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.8	U	96.8	190	ug/Kg
117-84-0	Di-n-octyl phthalate	99.4	U	99.4	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	75.4	U	75.4	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	80.4	U	80.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	74.0	U	74.0	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	190	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P35A	SDG No.:	O1232
Lab Sample ID:	O1232-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF132177.D	1	01/20/23 12:30	01/20/23 23:51	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	110	U	110	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.6	U	99.6	190	ug/Kg
123-91-1	1,4-Dioxane	97.3	U	97.3	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	88.7	U	88.7	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	101		18 - 112	68%	SPK: 150
13127-88-3	Phenol-d6	105		21 - 104	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.8		27 - 109	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.6		30 - 103	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		10 - 121	71%	SPK: 150
1718-51-0	Terphenyl-d14	64.3		21 - 107	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	185000	7.09			
1146-65-2	Naphthalene-d8	675000	8.378			
15067-26-2	Acenaphthene-d10	372000	10.142			
1517-22-2	Phenanthrene-d10	724000	11.636			
1719-03-5	Chrysene-d12	486000	14.301			
1520-96-3	Perylene-d12	396000	15.895			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1300	AB		5.34	ug/Kg
000119-61-9	Benzophenone	100	J		10.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	120	J		12.1	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	160	J		14.1	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132177.D
Acq On : 20 Jan 2023 23:51
Operator : CG\JU
Sample : 01232-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P-35A

Quant Time: Jan 21 03:58:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.090	152	185310	20.000	ng	0.00
21) Naphthalene-d8	8.378	136	674589	20.000	ng	0.00
39) Acenaphthene-d10	10.142	164	371842	20.000	ng	0.00
64) Phenanthrene-d10	11.636	188	723544	20.000	ng	0.00
76) Chrysene-d12	14.301	240	486031	20.000	ng	0.00
86) Perylene-d12	15.895	264	396449	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.713	112	1075359	101.372	ng	0.00
7) Phenol-d6	6.701	99	1395552	104.508	ng	0.00
23) Nitrobenzene-d5	7.648	82	912155	71.831	ng	0.00
42) 2,4,6-Tribromophenol	10.936	330	424258	106.817	ng	0.00
45) 2-Fluorobiphenyl	9.454	172	1541963	60.595	ng	0.00
79) Terphenyl-d14	13.236	244	1866245	64.320	ng	0.00
Target Compounds						Qvalue

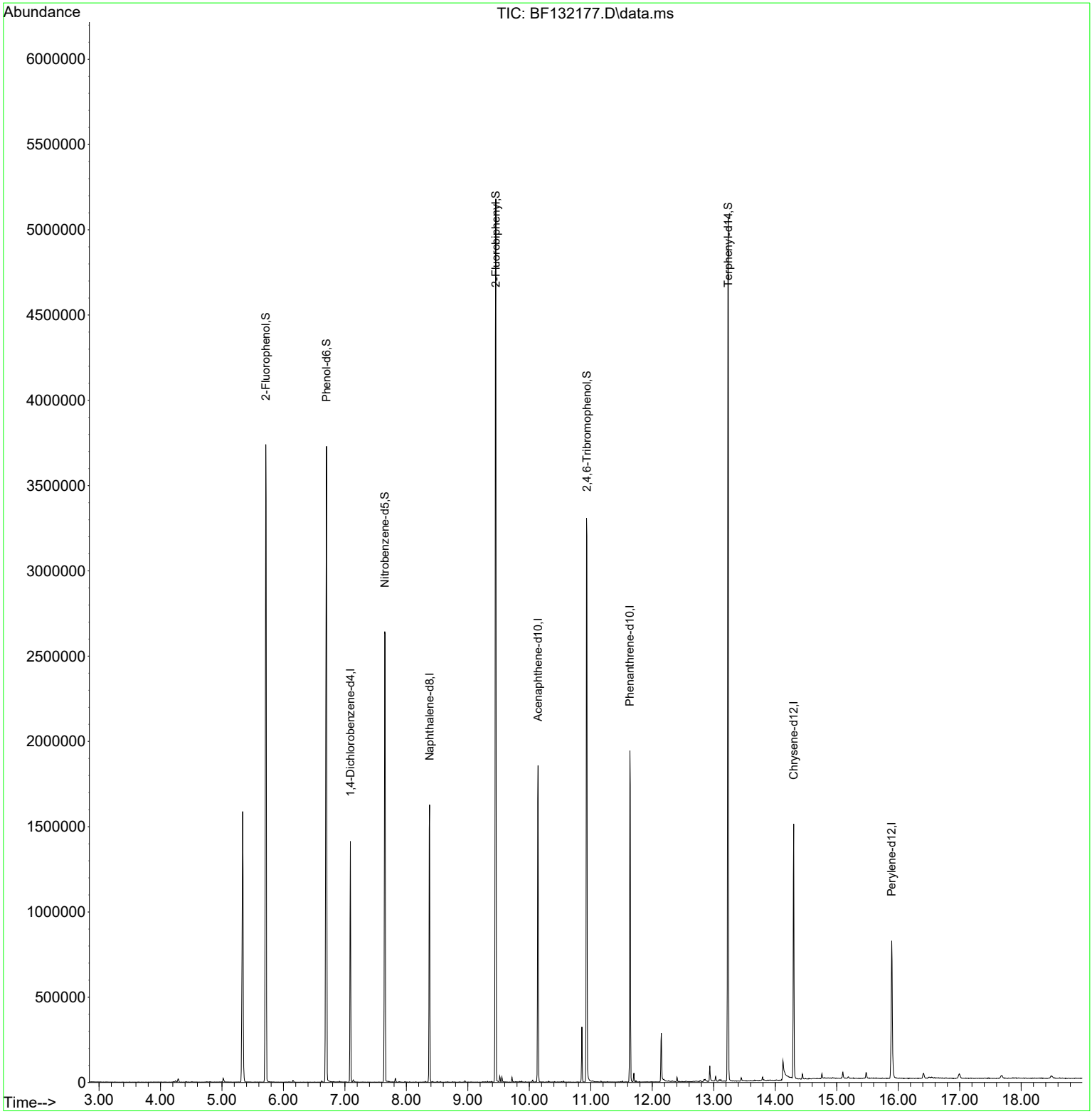
(#) = qualifier out of range (m) = manual integration (+) = signals summed

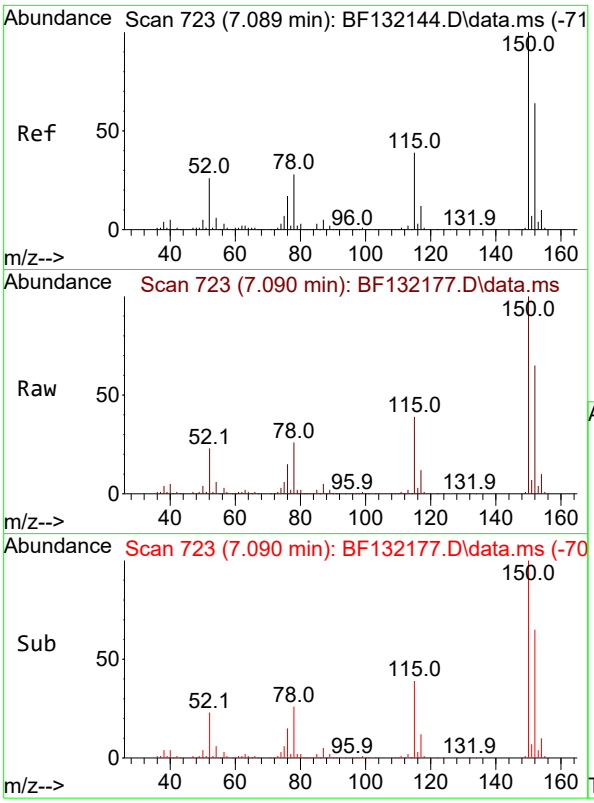
Sample Results: **BF132177.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132177.D
Acq On : 20 Jan 2023 23:51
Operator : CG\JU
Sample : 01232-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P-35A

Quant Time: Jan 21 03:58:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration



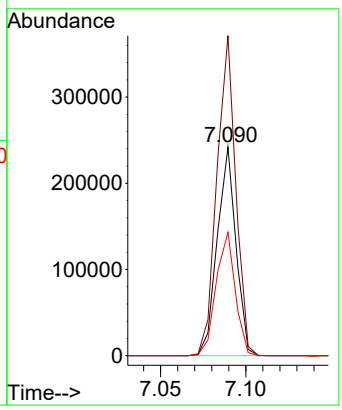


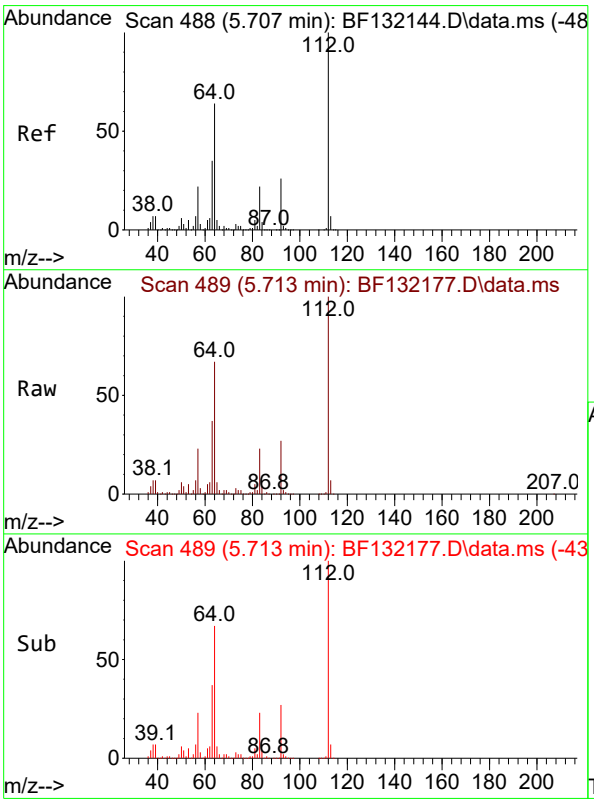
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.090 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF132177.D
Acq: 20 Jan 2023 23:51

Instrument :
BNA_F
ClientSampleId :
B-P-35A

Tgt Ion:152 Resp: 185310

Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.8	188.8
115	59.1	49.2	73.8

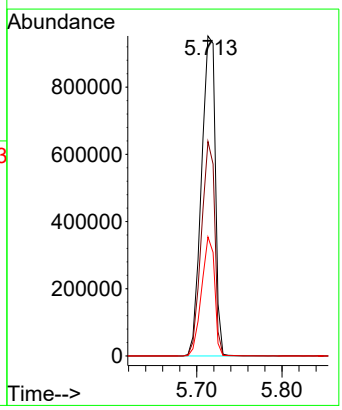


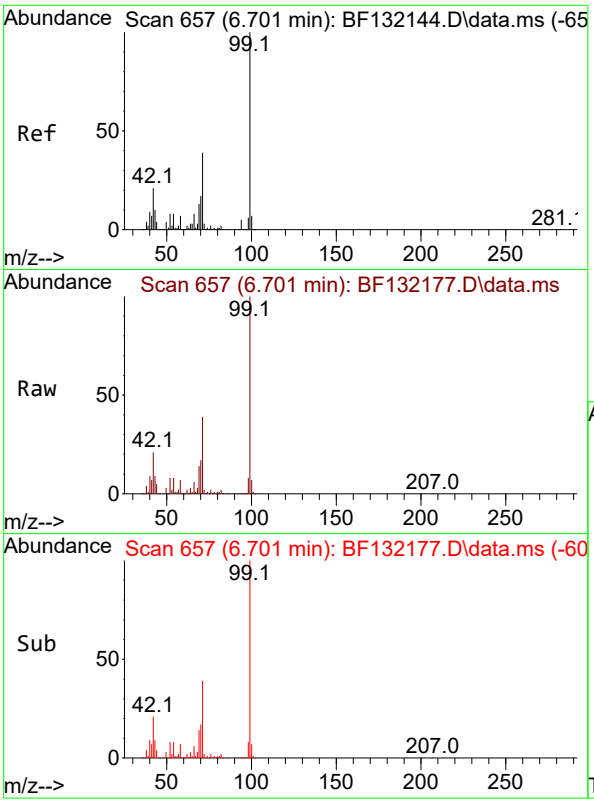


#5
2-Fluorophenol
Concen: 101.372 ng
RT: 5.713 min Scan# 489
Delta R.T. 0.006 min
Lab File: BF132177.D
Acq: 20 Jan 2023 23:51

Tgt Ion:112 Resp: 1075359

Ion	Ratio	Lower	Upper
112	100		
64	67.0	51.4	77.0
63	37.2	28.2	42.2



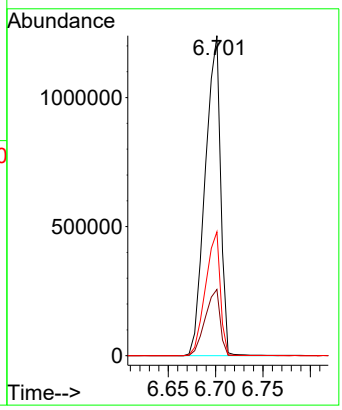


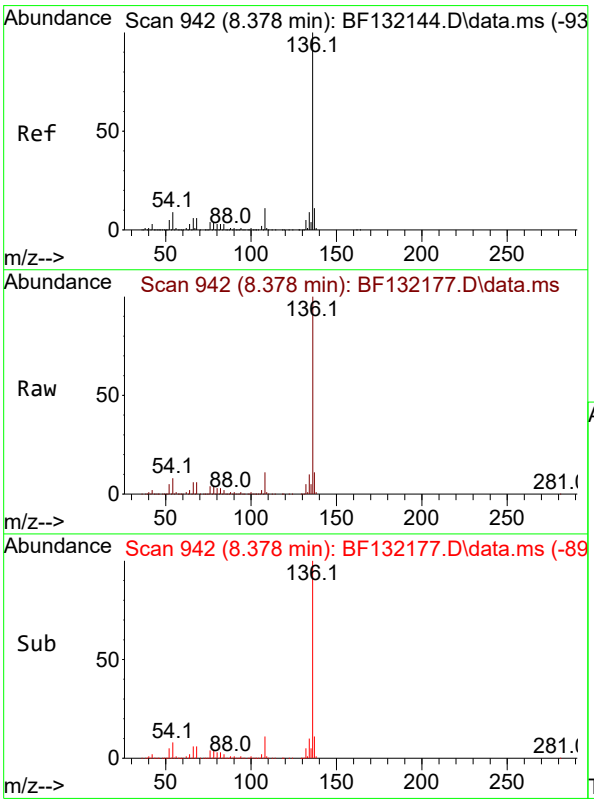
#7
Phenol-d6
Concen: 104.508 ng
RT: 6.701 min Scan# 6
Delta R.T. 0.000 min
Lab File: BF132177.D
Acq: 20 Jan 2023 23:51

Instrument :
BNA_F
ClientSampleId :
B-P-35A

Tgt Ion: 99 Resp: 1395552

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.6	24.8
71	38.7	30.8	46.2

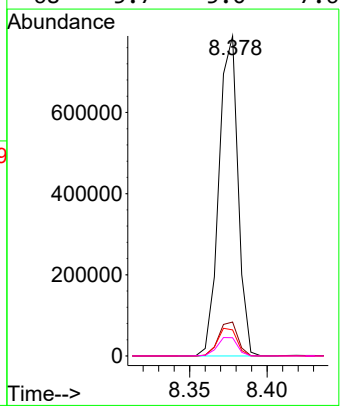


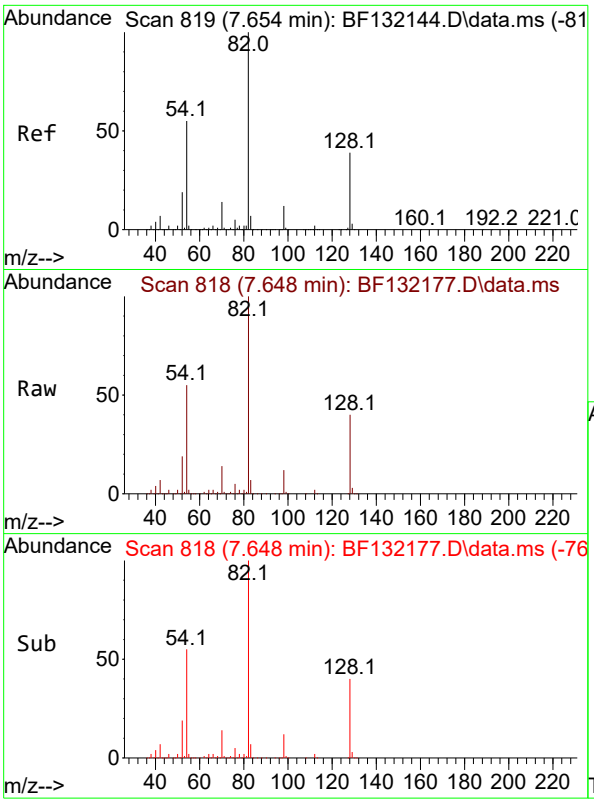


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.378 min Scan# 942
Delta R.T. -0.000 min
Lab File: BF132177.D
Acq: 20 Jan 2023 23:51

Tgt Ion:136 Resp: 674589

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	8.1	7.0	10.6
68	5.7	5.0	7.6



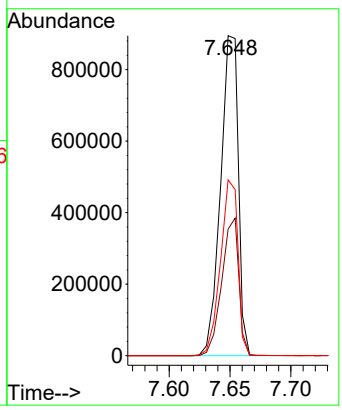


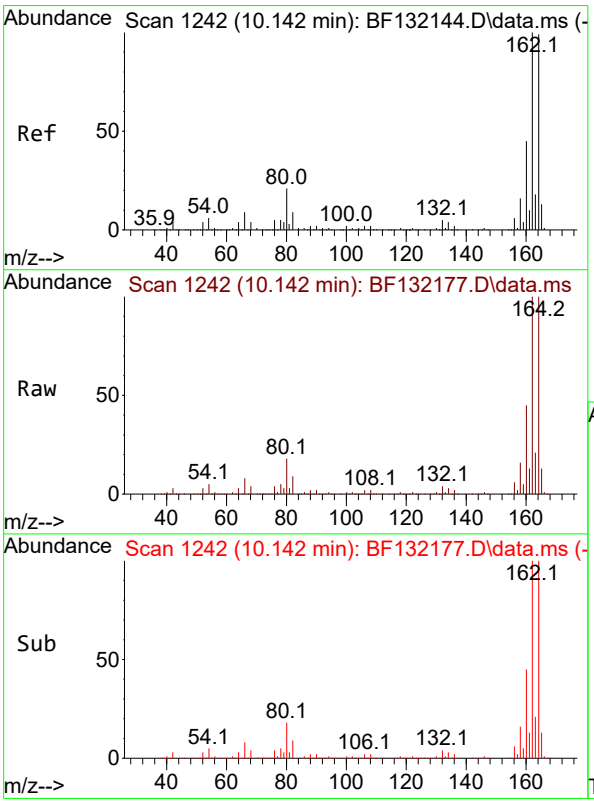
#23
Nitrobenzene-d5
Concen: 71.831 ng
RT: 7.648 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF132177.D
Acq: 20 Jan 2023 23:51

Instrument :
BNA_F
ClientSampleId :
B-P-35A

Tgt Ion: 82 Resp: 912155

Ion	Ratio	Lower	Upper
82	100		
128	39.6	31.1	46.7
54	54.9	43.9	65.9

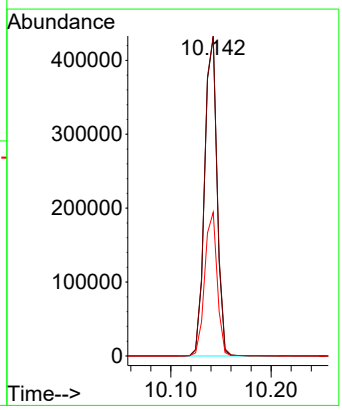


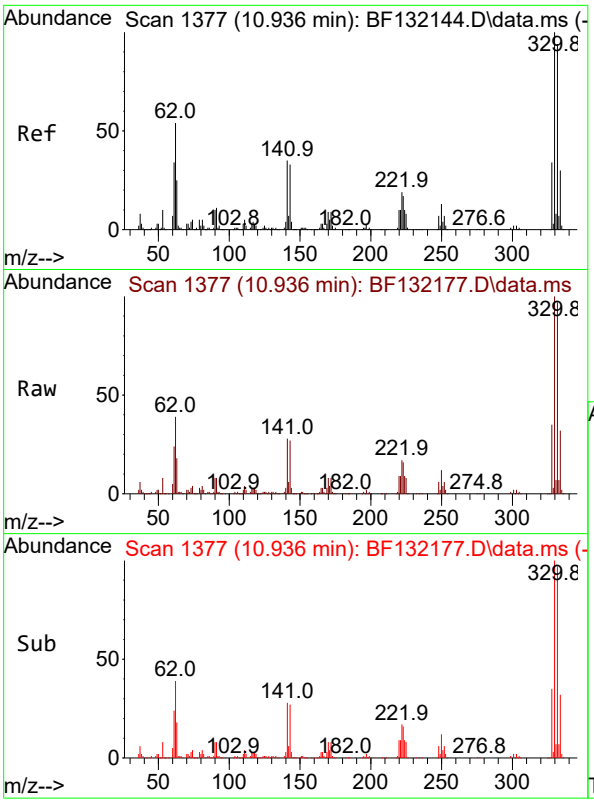


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.142 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF132177.D
Acq: 20 Jan 2023 23:51

Tgt Ion:164 Resp: 371842

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.2	121.8
160	45.1	36.9	55.3



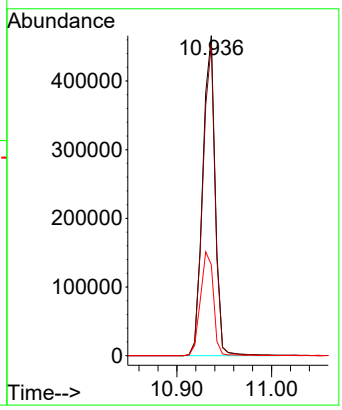


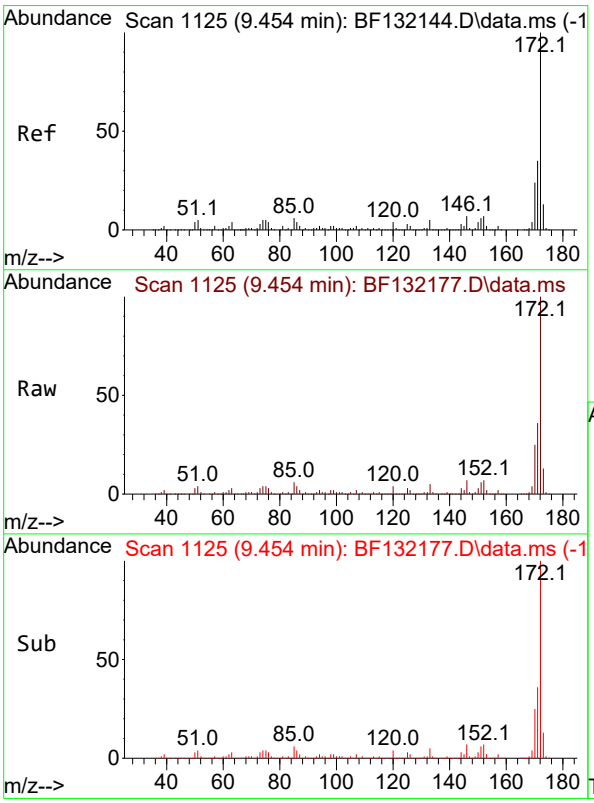
#42
2,4,6-Tribromophenol
Concen: 106.817 ng
RT: 10.936 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132177.D
Acq: 20 Jan 2023 23:51

Instrument :
BNA_F
ClientSampleId :
B-P-35A

Tgt Ion:330 Resp: 424258

Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.6	113.4
141	34.0	27.1	40.7

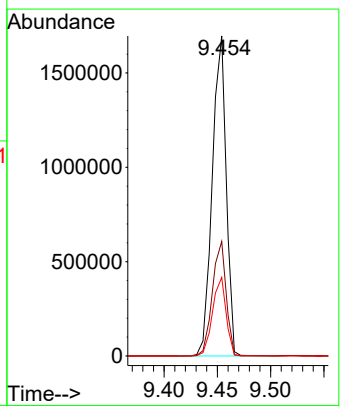


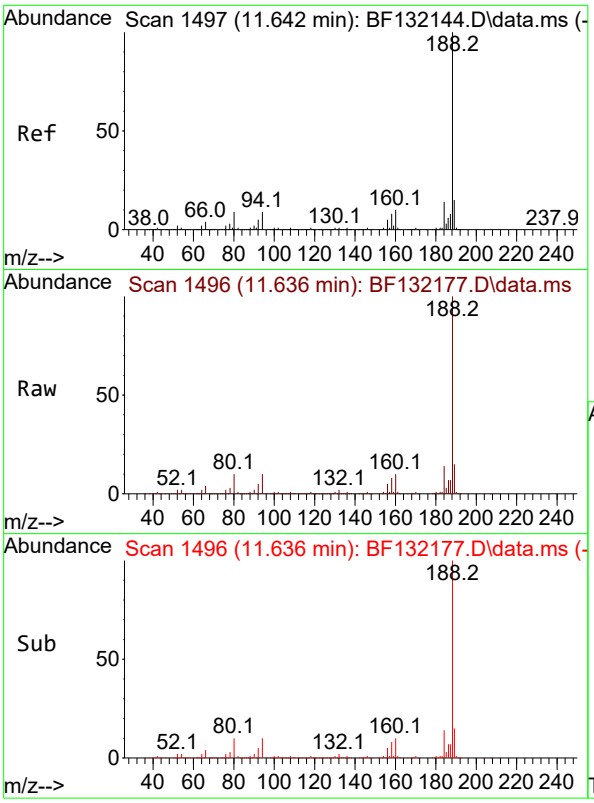


#45
2-Fluorobiphenyl
Concen: 60.595 ng
RT: 9.454 min Scan# 1125
Delta R.T. 0.000 min
Lab File: BF132177.D
Acq: 20 Jan 2023 23:51

Tgt Ion:172 Resp: 1541963

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	24.5	19.6	29.4



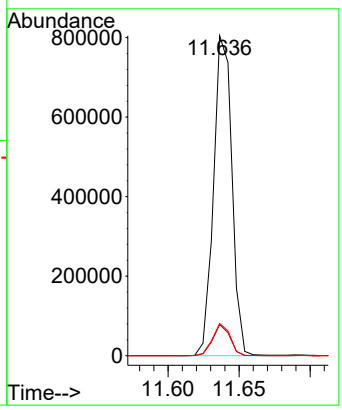


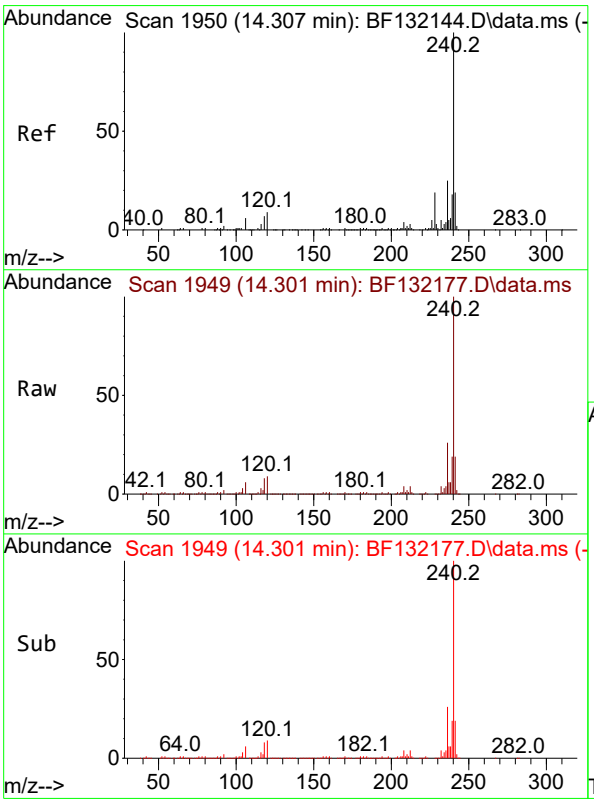
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.636 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF132177.D
Acq: 20 Jan 2023 23:51

Instrument :
BNA_F
ClientSampleId :
B-P-35A

Tgt Ion:188 Resp: 723544

Ion	Ratio	Lower	Upper
188	100		
94	9.7	6.9	10.3
80	10.1	7.5	11.3

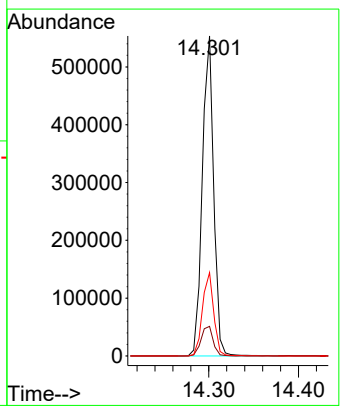


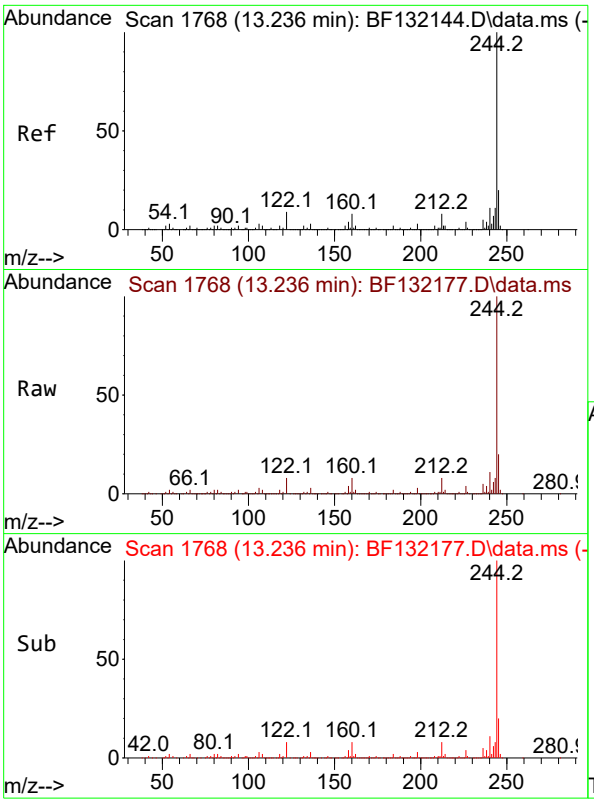


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.301 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BF132177.D
Acq: 20 Jan 2023 23:51

Tgt Ion:240 Resp: 486031

Ion	Ratio	Lower	Upper
240	100		
120	9.3	6.9	10.3
236	26.1	20.3	30.5



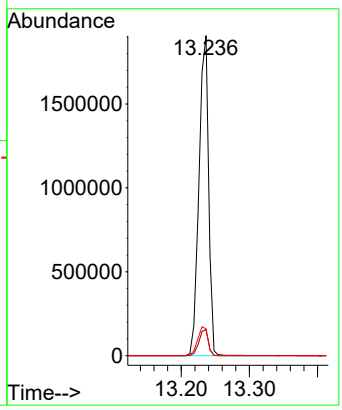


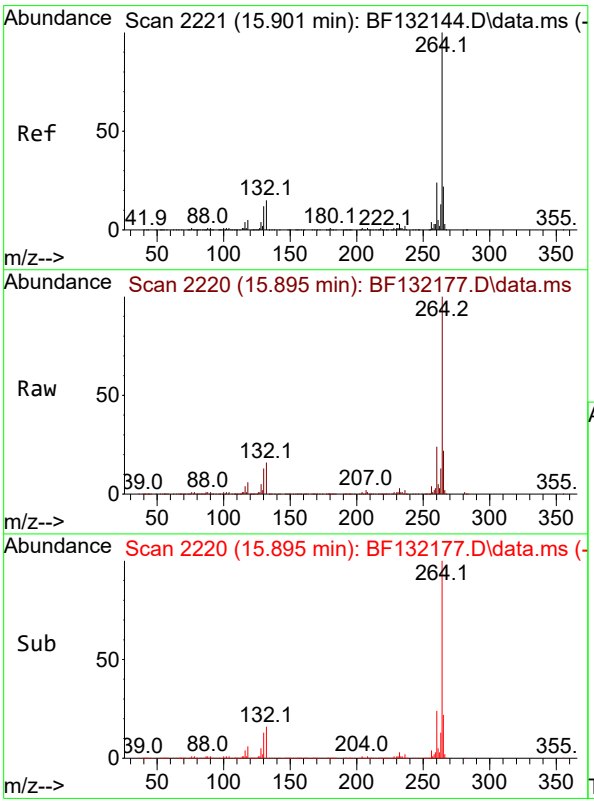
#79
Terphenyl-d14
Concen: 64.320 ng
RT: 13.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132177.D
Acq: 20 Jan 2023 23:51

Instrument :
BNA_F
ClientSampleId :
B-P-35A

Tgt Ion:244 Resp: 1866245

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.7	10.1
122	8.4	7.4	11.2

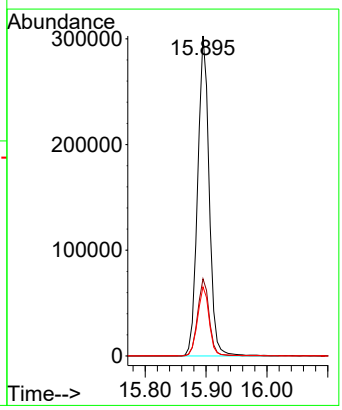




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.895 min Scan# 2220
Delta R.T. -0.006 min
Lab File: BF132177.D
Acq: 20 Jan 2023 23:51

Tgt Ion:264 Resp: 396449

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.1	28.7
265	21.6	17.4	26.0



Sample Results: **BF132177.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132177.D
Acq On : 20 Jan 2023 23:51
Operator : CG\JU
Sample : 01232-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P-35A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132177.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.337	419	425	434	rVB	1586163	1997139	39.84%	5.696%
2	5.713	484	489	493	rBV	3737268	4057248	80.94%	11.571%
3	6.701	651	657	660	rBV	3727888	4121361	82.22%	11.754%
4	7.090	719	723	726	rBV	1411162	1104338	22.03%	3.149%
5	7.648	813	818	822	rBV	2641535	2701628	53.90%	7.705%
6	8.378	938	942	945	rBV	1624195	1408249	28.09%	4.016%
7	9.454	1120	1125	1128	rBV	5178936	4665615	93.08%	13.306%
8	10.142	1238	1242	1245	rBV	1852954	1629745	32.51%	4.648%
9	10.854	1360	1363	1367	rBV	321391	232217	4.63%	0.662%
10	10.930	1372	1376	1380	rBV	3305642	3285297	65.54%	9.369%
11	11.636	1493	1496	1500	rBV	1939638	1730985	34.53%	4.937%
12	12.148	1579	1583	1589	rBV	284437	277360	5.53%	0.791%
13	12.936	1713	1717	1724	rBV	91560	87534	1.75%	0.250%
14	13.236	1763	1768	1771	rBV	5068167	5012539	100.00%	14.295%
15	14.124	1916	1919	1936	rBV2	114145	289049	5.77%	0.824%
16	14.301	1945	1949	1952	rBV	1489301	1313232	26.20%	3.745%
17	15.895	2214	2220	2231	rBV	805201	1101118	21.97%	3.140%
18	16.995	2402	2407	2414	rVB	26182	50256	1.00%	0.143%

Sum of corrected areas: 35064910

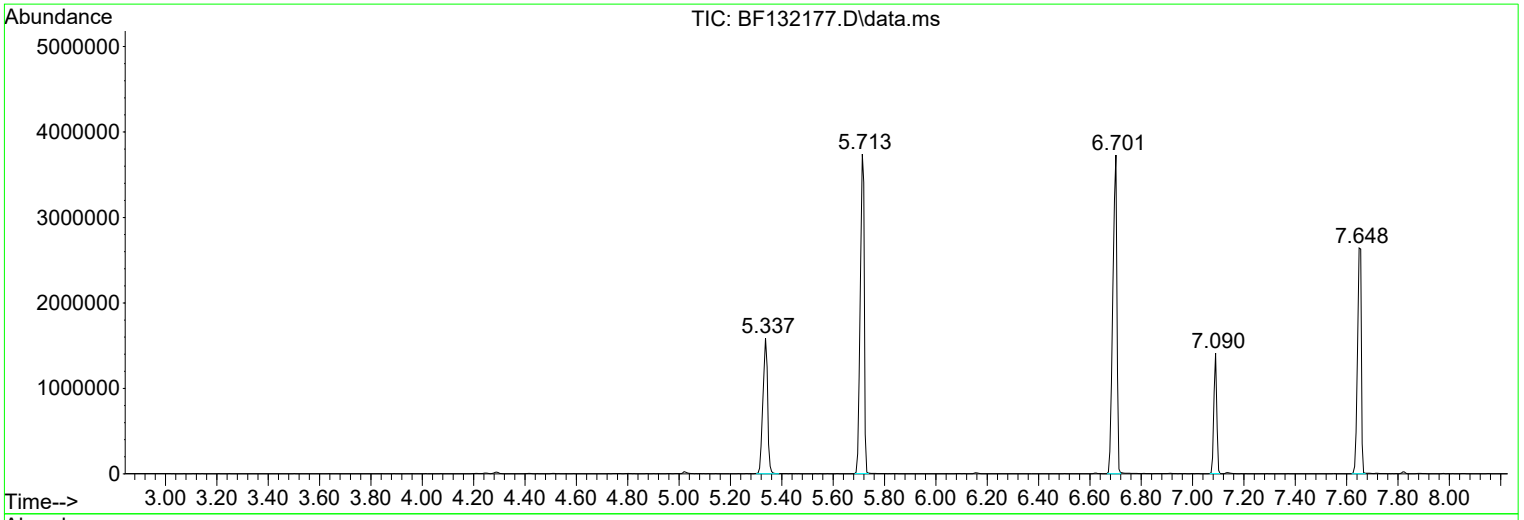
Sample Results: **BF132177.D**

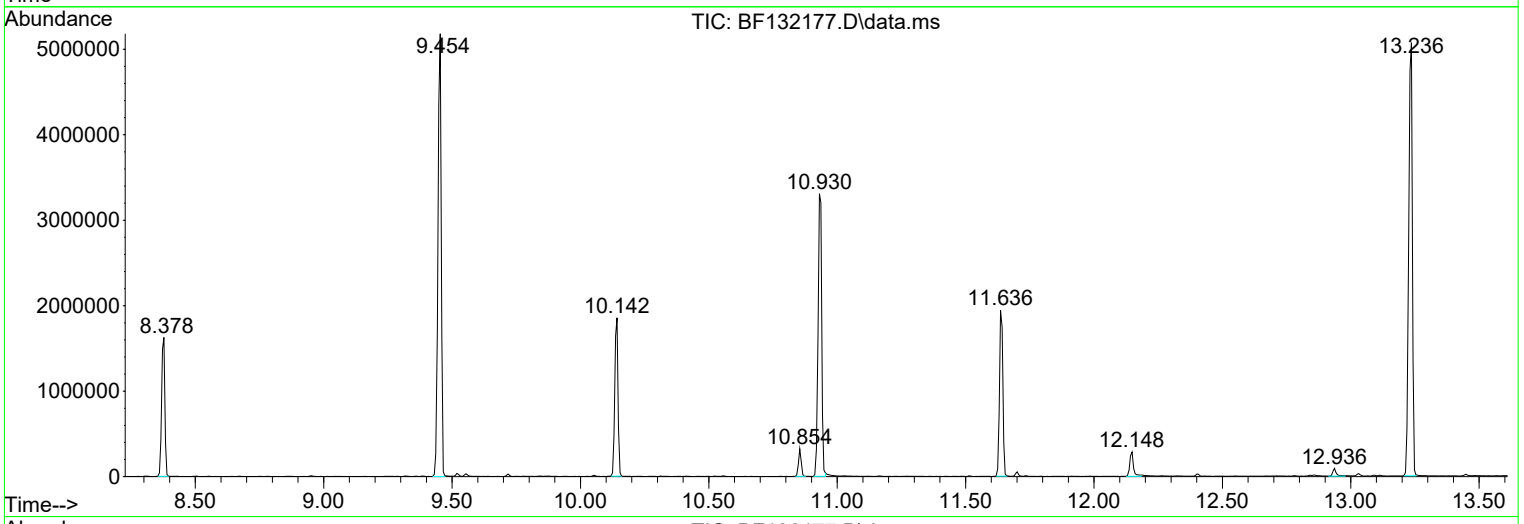
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132177.D
Acq On : 20 Jan 2023 23:51
Operator : CG\JU
Sample : 01232-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

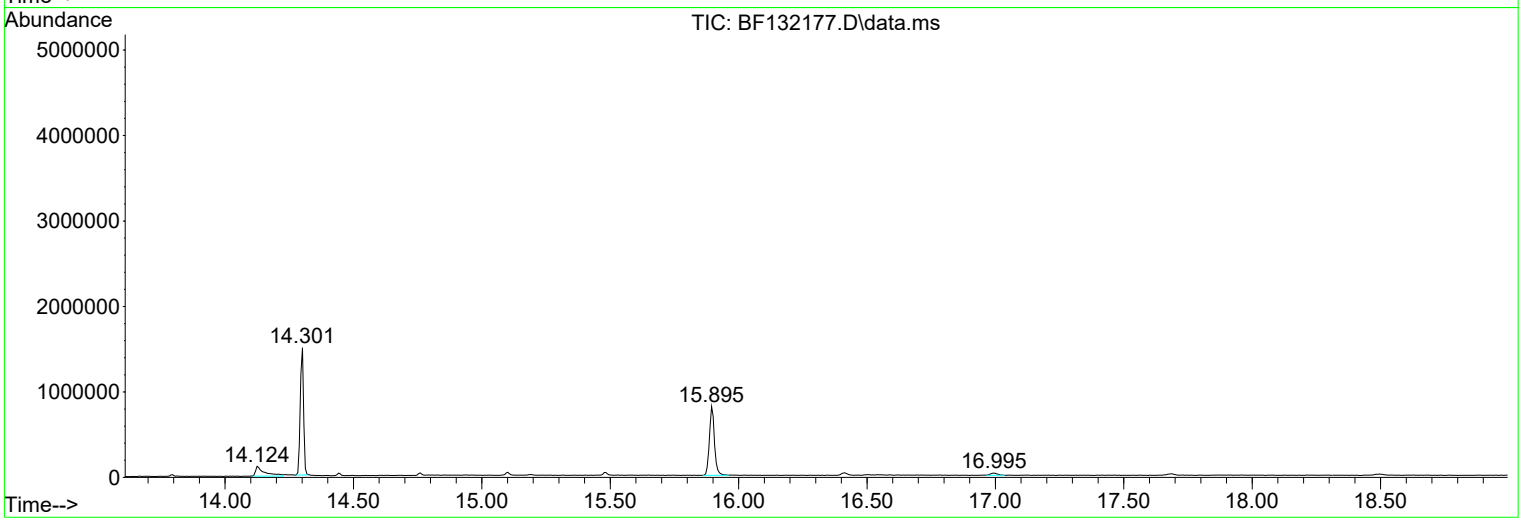
Instrument :
BNA_F
ClientSampleId :
B-P-35A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Sample Results: **BF132177.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132177.D
Acq On : 20 Jan 2023 23:51
Operator : CG\JU
Sample : 01232-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P-35A

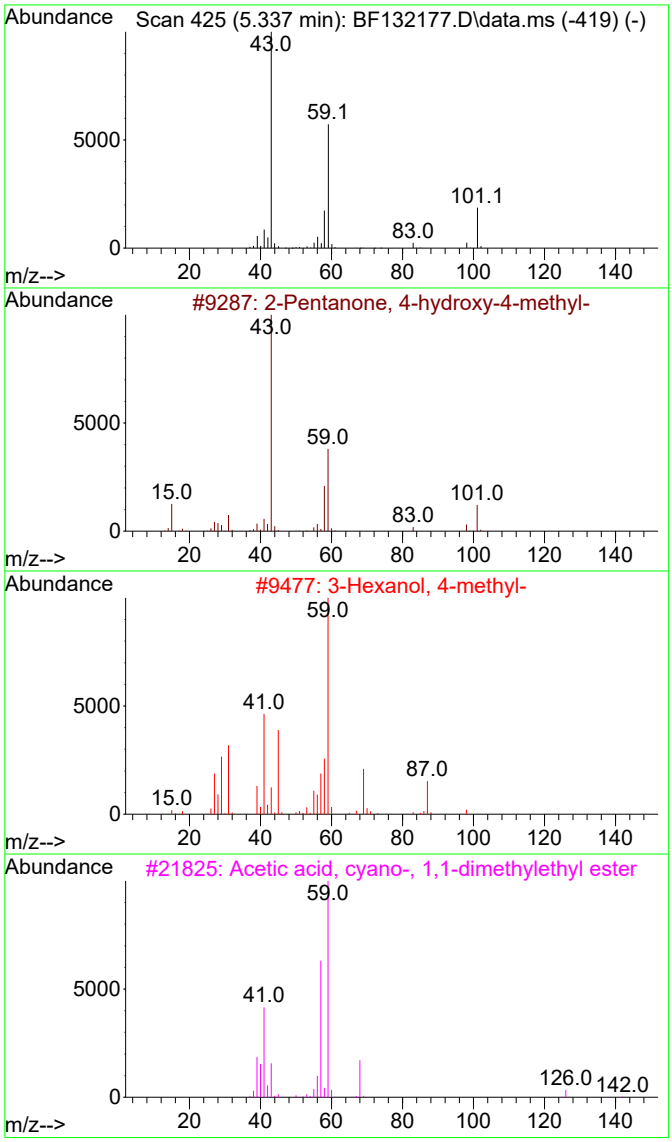
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

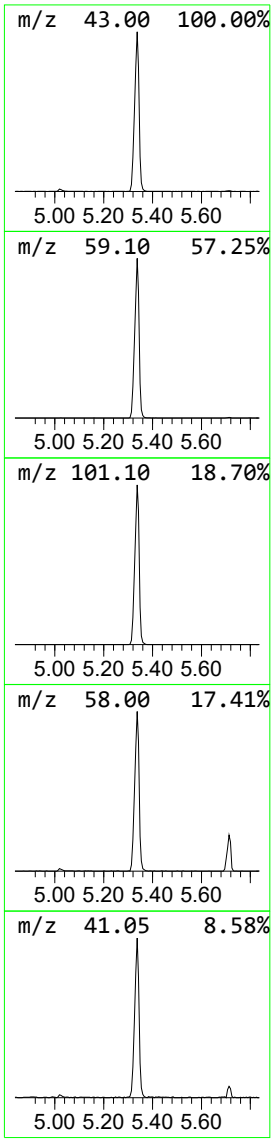
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.337	36.17 ng	1997140	1,4-Dichlorobenzene-d4	7.090

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132177.D
Acq On : 20 Jan 2023 23:51
Operator : CG\JU
Sample : 01232-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P-35A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

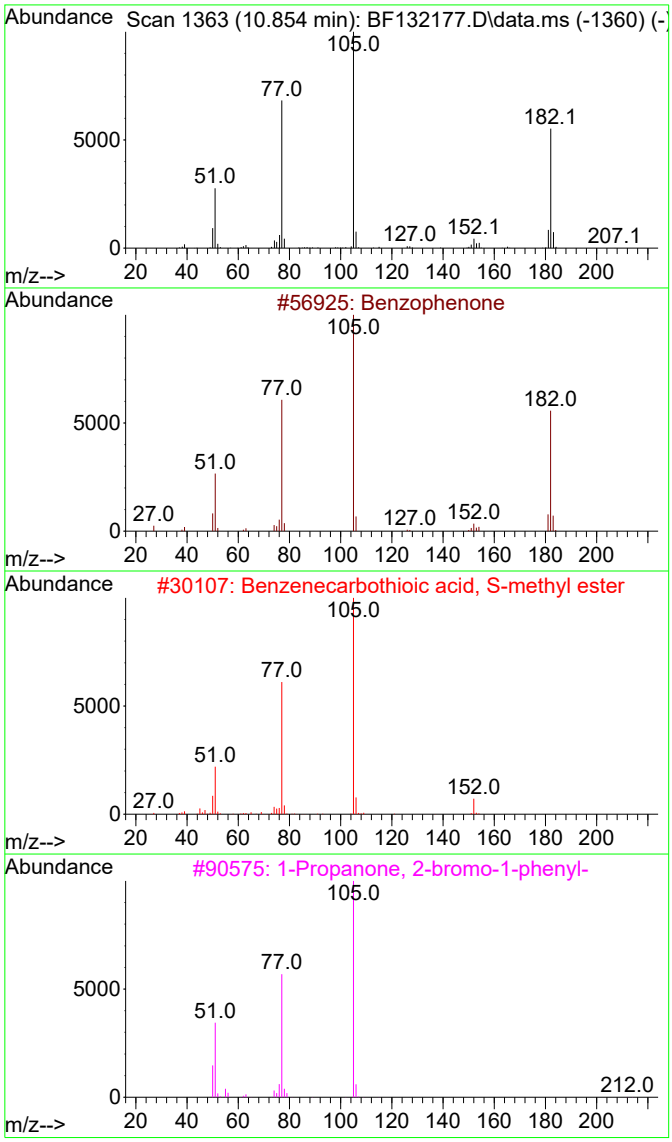
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

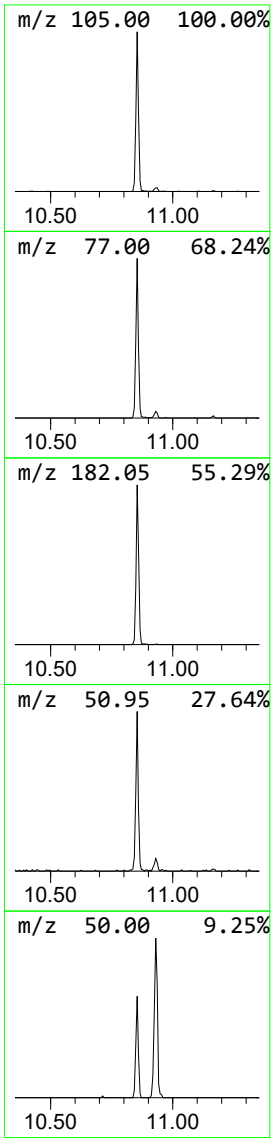
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.854	2.85 ng	232217	Acenaphthene-d10	10.142

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	58
3	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	50
4	2-Phenyl-4-ethylidene-2-oxazolin...	187	C11H9NO2	037791-41-6	50
5	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132177.D
Acq On : 20 Jan 2023 23:51
Operator : CG\JU
Sample : 01232-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P-35A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

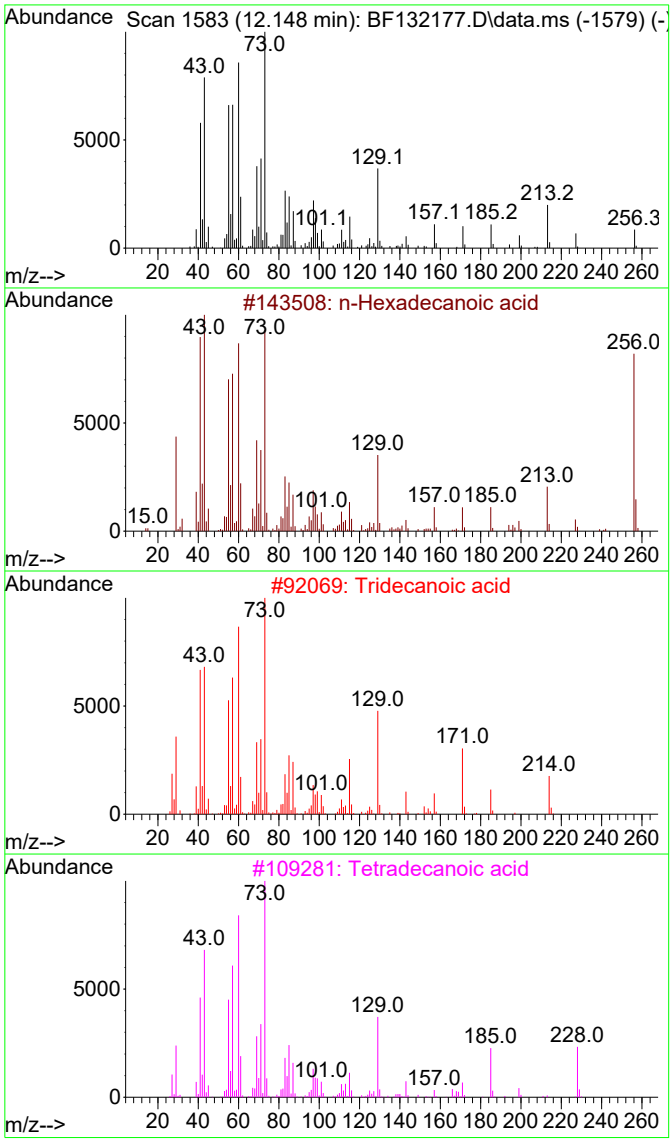
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

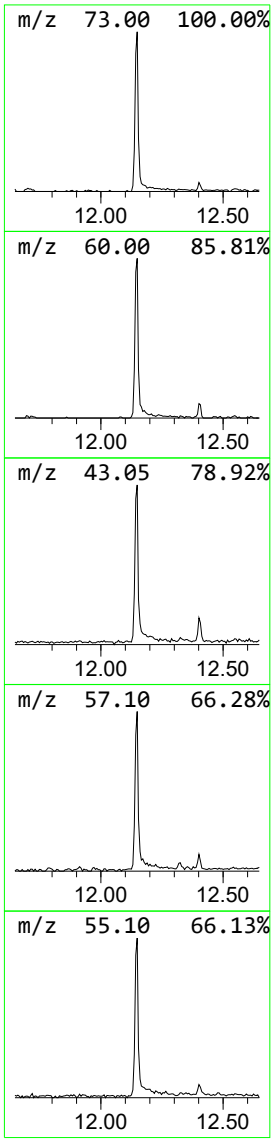
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.148	3.20 ng	277360	Phenanthrene-d10	11.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	81
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
5	Nonanoic acid	158	C9H18O2	000112-05-0	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132177.D
Acq On : 20 Jan 2023 23:51
Operator : CG\JU
Sample : 01232-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P-35A

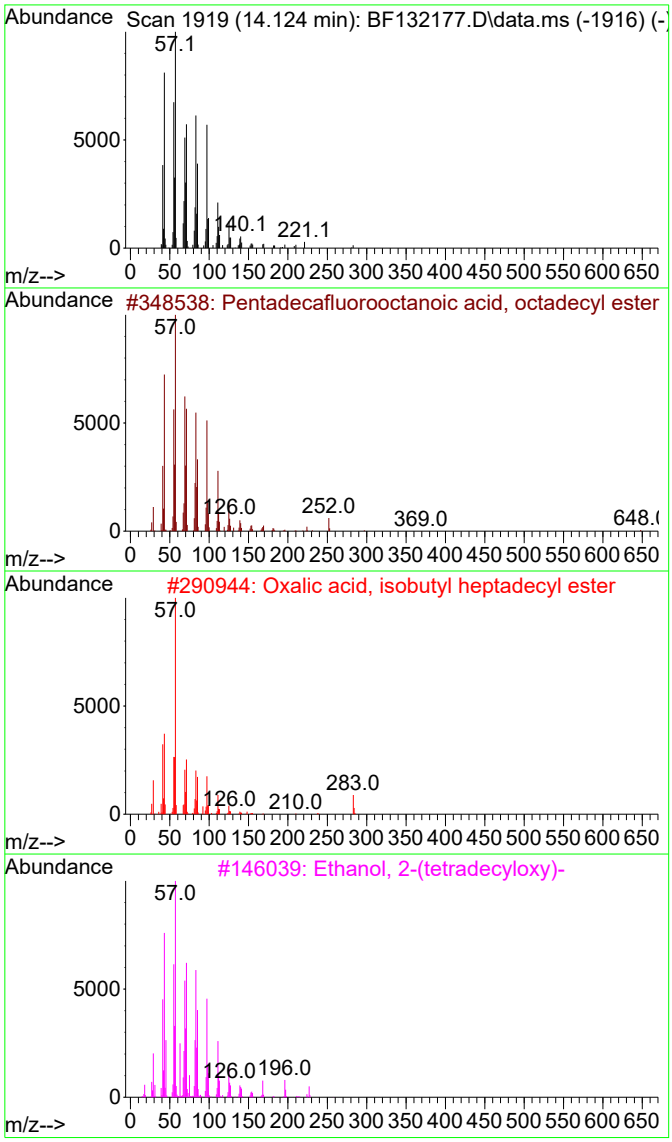
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

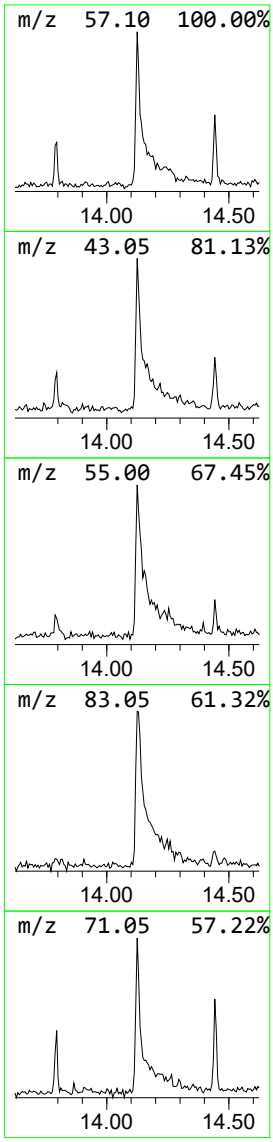
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentadecafluorooctanoic aci... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.124	4.40 ng	289049	Chrysene-d12	14.301

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	93
2	Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	91
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	90
4	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	87
5	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132177.D
Acq On : 20 Jan 2023 23:51
Operator : CG\JU
Sample : 01232-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P-35A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.337	36.2	ng	1997140	1	7.090	1104340	20.0
Benzophenone	10.854	2.9	ng	232217	3	10.142	1629750	20.0
n-Hexadecanoic ...	12.148	3.2	ng	277360	4	11.636	1730990	20.0
Pentadecafluoro...	14.124	4.4	ng	289049	5	14.301	1313230	20.0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P35B	SDG No.:	O1232
Lab Sample ID:	O1232-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013581.D	1	01/20/23 12:30	01/24/23 21:02	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	150	U	150	350	ug/Kg
108-95-2	Phenol	72.5	U	72.5	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	86.0	U	86.0	180	ug/Kg
95-57-8	2-Chlorophenol	73.1	U	73.1	180	ug/Kg
95-48-7	2-Methylphenol	110	U	110	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	180	ug/Kg
98-86-2	Acetophenone	85.7	U	85.7	180	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	81.5	U	81.5	85.6	ug/Kg
67-72-1	Hexachloroethane	78.9	U	78.9	180	ug/Kg
98-95-3	Nitrobenzene	79.1	U	79.1	180	ug/Kg
78-59-1	Isophorone	71.3	U	71.3	180	ug/Kg
88-75-5	2-Nitrophenol	99.3	U	99.3	180	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	180	ug/Kg
120-83-2	2,4-Dichlorophenol	87.5	U	87.5	180	ug/Kg
91-20-3	Naphthalene	79.1	U	79.1	180	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	180	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	180	ug/Kg
105-60-2	Caprolactam	110	U	110	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.2	U	84.2	180	ug/Kg
91-57-6	2-Methylnaphthalene	80.3	U	80.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91.4	U	91.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	89.5	U	89.5	180	ug/Kg
92-52-4	1,1-Biphenyl	92.6	U	92.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	91.5	U	91.5	180	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	180	ug/Kg
131-11-3	Dimethylphthalate	86.6	U	86.6	180	ug/Kg
208-96-8	Acenaphthylene	73.5	U	73.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.6	U	83.6	180	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P35B	SDG No.:	O1232
Lab Sample ID:	O1232-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013581.D	1	01/20/23 12:30	01/24/23 21:02	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	110	U	110	180	ug/Kg
83-32-9	Acenaphthene	84.5	U	84.5	180	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	350	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	350	ug/Kg
132-64-9	Dibenzofuran	79.4	U	79.4	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.6	U	90.6	180	ug/Kg
84-66-2	Diethylphthalate	86.2	U	86.2	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	180	ug/Kg
86-73-7	Fluorene	84.3	U	84.3	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	92.3	U	92.3	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.0	U	88.0	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	180	ug/Kg
1912-24-9	Atrazine	96.3	U	96.3	180	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	350	ug/Kg
85-01-8	Phenanthrene	89.5	U	89.5	180	ug/Kg
120-12-7	Anthracene	89.9	U	89.9	180	ug/Kg
86-74-8	Carbazole	90.1	U	90.1	180	ug/Kg
84-74-2	Di-n-butylphthalate	93.1	U	93.1	180	ug/Kg
206-44-0	Fluoranthene	85.4	U	85.4	180	ug/Kg
129-00-0	Pyrene	79.4	U	79.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	88.5	U	88.5	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	U	150	350	ug/Kg
56-55-3	Benzo(a)anthracene	92.9	U	92.9	180	ug/Kg
218-01-9	Chrysene	98.9	J	91.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	J	94.8	180	ug/Kg
117-84-0	Di-n-octyl phthalate	97.4	U	97.4	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	73.9	U	73.9	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	78.8	U	78.8	180	ug/Kg
50-32-8	Benzo(a)pyrene	72.5	U	72.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P35B	SDG No.:	O1232
Lab Sample ID:	O1232-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013581.D	1	01/20/23 12:30	01/24/23 21:02	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	100	U	100	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.6	U	97.6	180	ug/Kg
123-91-1	1,4-Dioxane	95.4	U	95.4	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	86.9	U	86.9	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	118		18 - 112	79%	SPK: 150
13127-88-3	Phenol-d6	112		21 - 104	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.8		27 - 109	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.9		30 - 103	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		10 - 121	90%	SPK: 150
1718-51-0	Terphenyl-d14	75.4		21 - 107	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	365000	8.158			
1146-65-2	Naphthalene-d8	1460000	10.987			
15067-26-2	Acenaphthene-d10	861000	14.792			
1517-22-2	Phenanthrene-d10	1870000	17.545			
1719-03-5	Chrysene-d12	1650000	21.622			
1520-96-3	Perylene-d12	1470000	24.204			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	830	J		3.22	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1100	AB		5.22	ug/Kg
000119-61-9	Benzophenone	99.9	J		16.1	ug/Kg
000057-10-3	n-Hexadecanoic acid	94.2	J		18.4	ug/Kg
010192-32-2	1-Tetracosene	190	J		21.3	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013581.D
Acq On : 24 Jan 2023 21:02
Operator : CG/JU
Sample : 01232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Quant Time: Jan 25 03:52:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

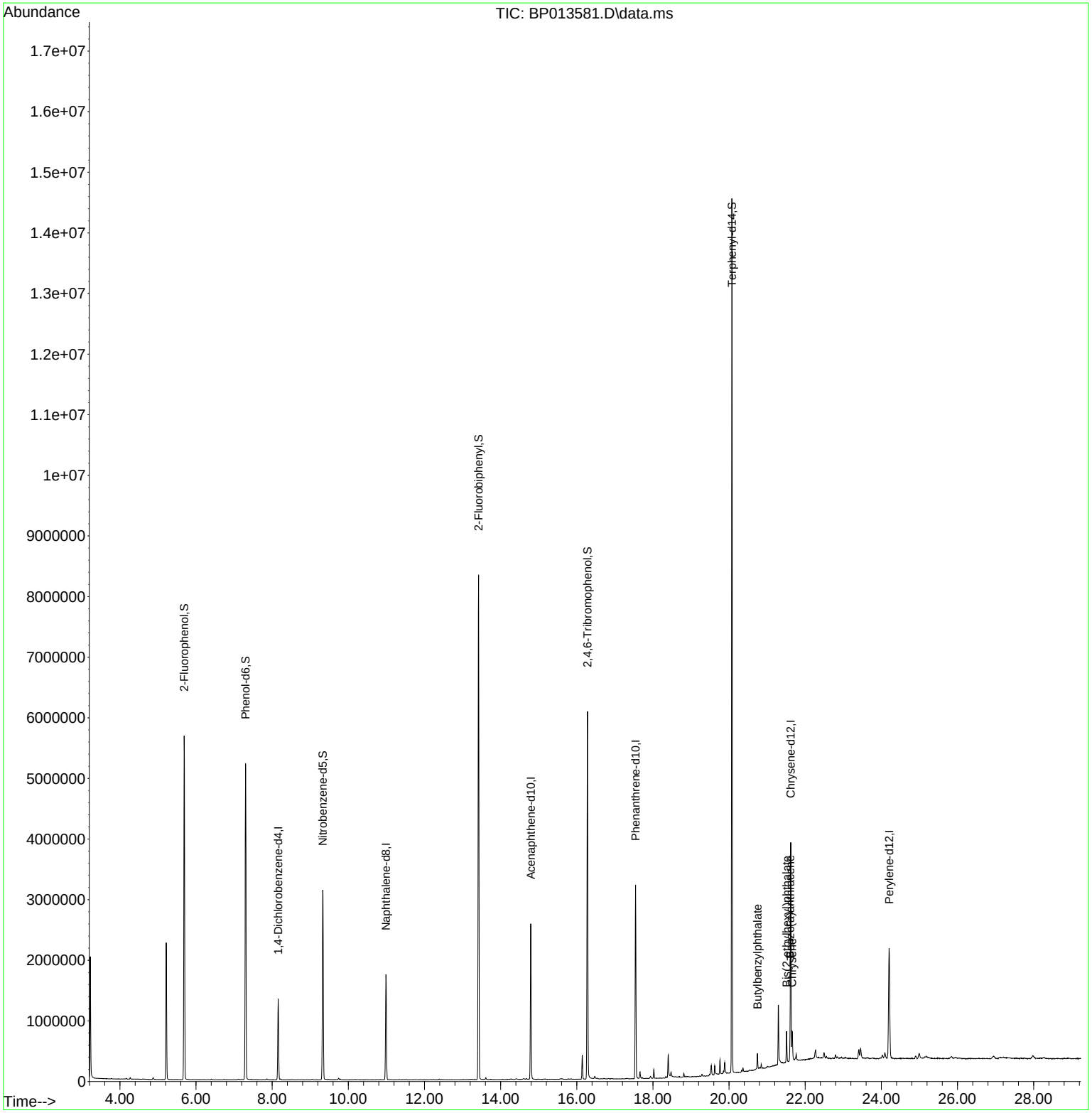
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	364997	20.000	ng	0.00
21) Naphthalene-d8	10.987	136	1463837	20.000	ng	0.00
39) Acenaphthene-d10	14.792	164	861008	20.000	ng	0.00
64) Phenanthrene-d10	17.545	188	1874321	20.000	ng	0.00
76) Chrysene-d12	21.622	240	1653014	20.000	ng	0.00
86) Perylene-d12	24.204	264	1474508	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	2522892	118.429	ng	0.00
7) Phenol-d6	7.299	99	3217837	112.233	ng	0.00
23) Nitrobenzene-d5	9.328	82	1768567	79.760	ng	0.00
42) 2,4,6-Tribromophenol	16.281	330	1168165	135.262	ng	0.00
45) 2-Fluorobiphenyl	13.422	172	4324210	68.938	ng	0.00
79) Terphenyl-d14	20.075	244	6925575	75.372	ng	0.00
Target Compounds						Qvalue
80) Butylbenzylphthalate	20.745	149	87159	2.166	ng	95
81) Benzo(a)anthracene	21.604	228	262158	2.276	ng	99
83) Chrysene	21.657	228	305322	2.772	ng	99
84) Bis(2-ethylhexyl)phtha...	21.510	149	198700	3.085	ng	100

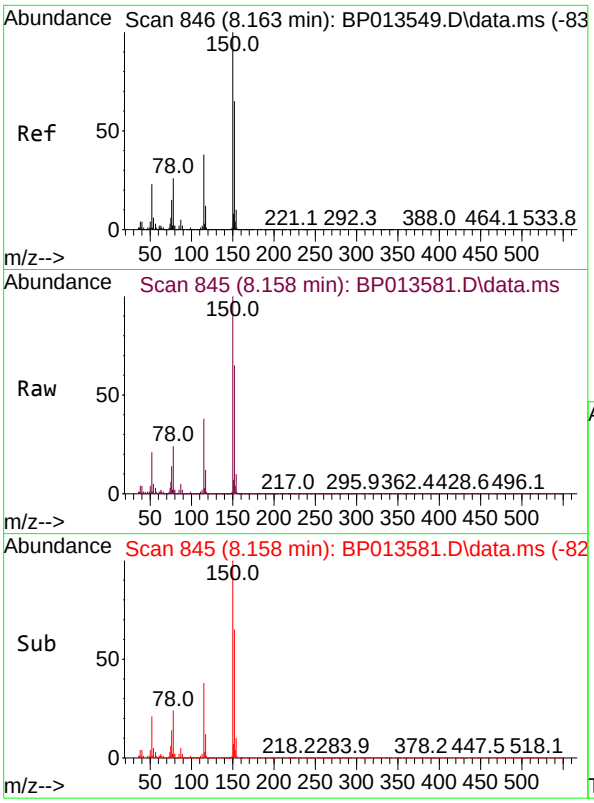
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013581.D
Acq On : 24 Jan 2023 21:02
Operator : CG/JU
Sample : 01232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Quant Time: Jan 25 03:52:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration



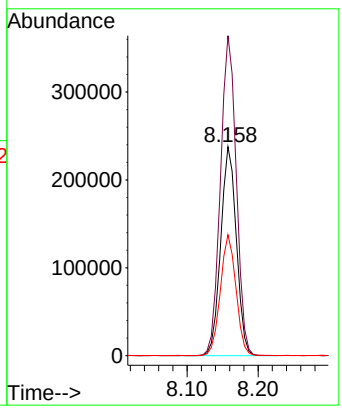


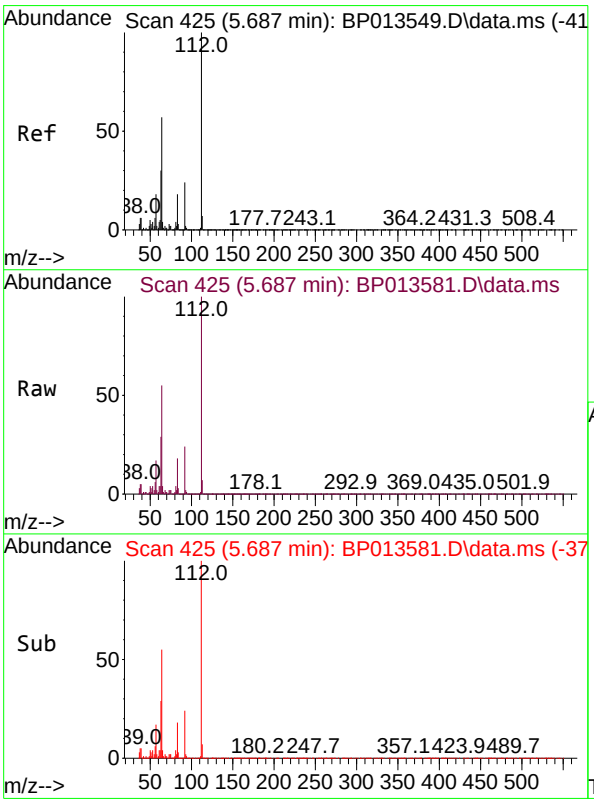
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.158 min Scan# 84
Delta R.T. -0.006 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Tgt Ion:152 Resp: 364997

Ion	Ratio	Lower	Upper
152	100		
150	153.2	122.4	183.6
115	57.8	46.1	69.1

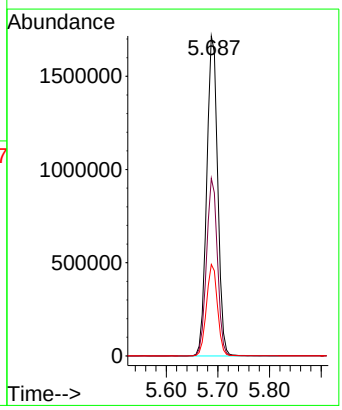


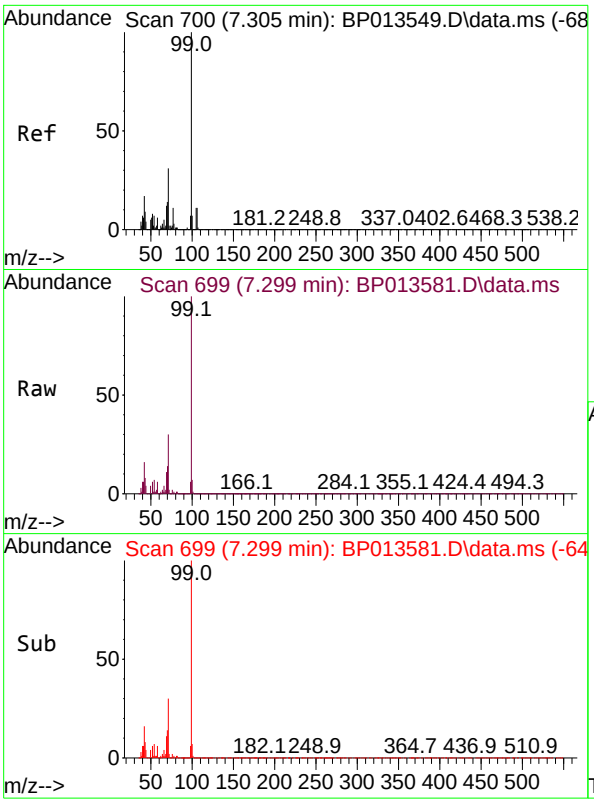


#5
2-Fluorophenol
Concen: 118.429 ng
RT: 5.687 min Scan# 425
Delta R.T. -0.000 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Tgt Ion:112 Resp: 2522892

Ion	Ratio	Lower	Upper
112	100		
64	55.5	45.4	68.0
63	28.6	24.1	36.1



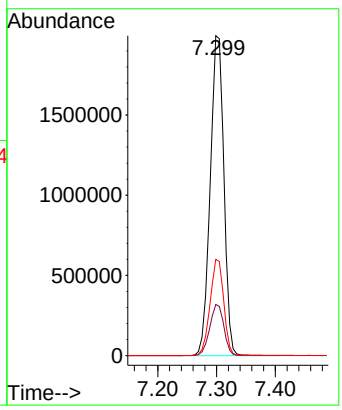


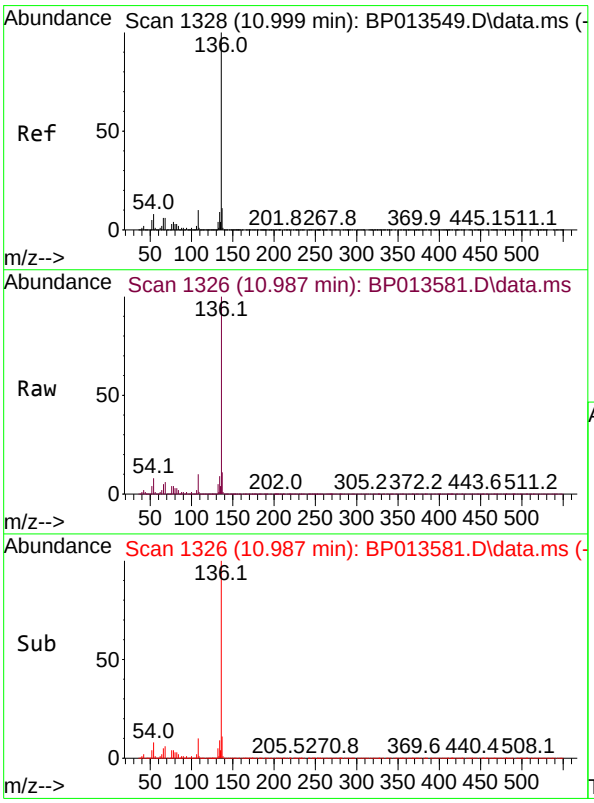
#7
Phenol-d6
Concen: 112.233 ng
RT: 7.299 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Tgt Ion: 99 Resp: 3217837

Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.0	21.0
71	30.1	24.7	37.1

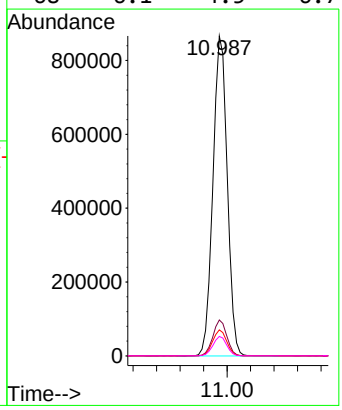


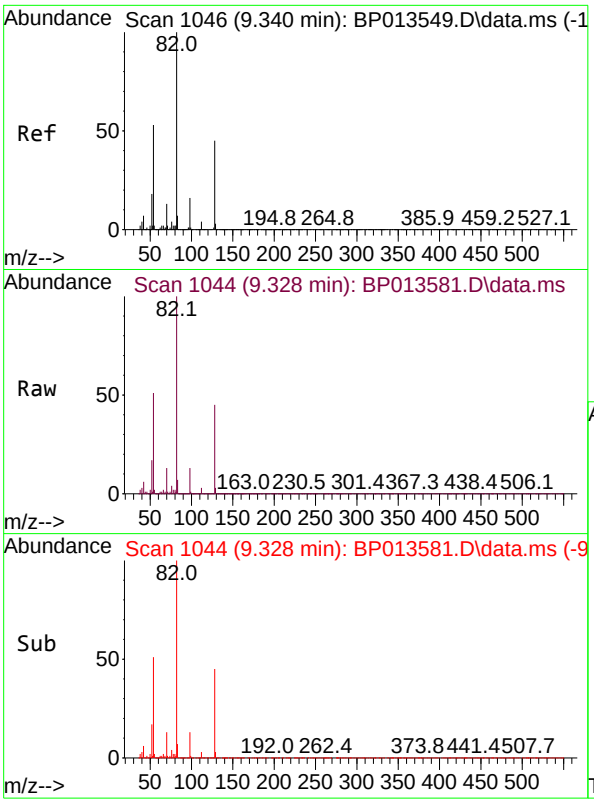


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.987 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Tgt Ion:136 Resp: 1463837

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	8.1	6.6	9.8
68	6.1	4.5	6.7



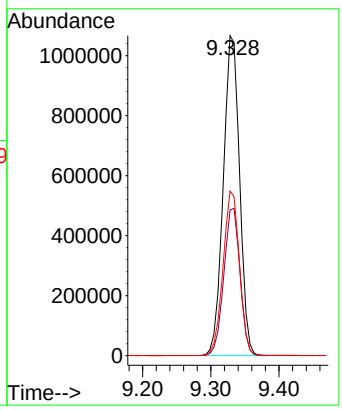


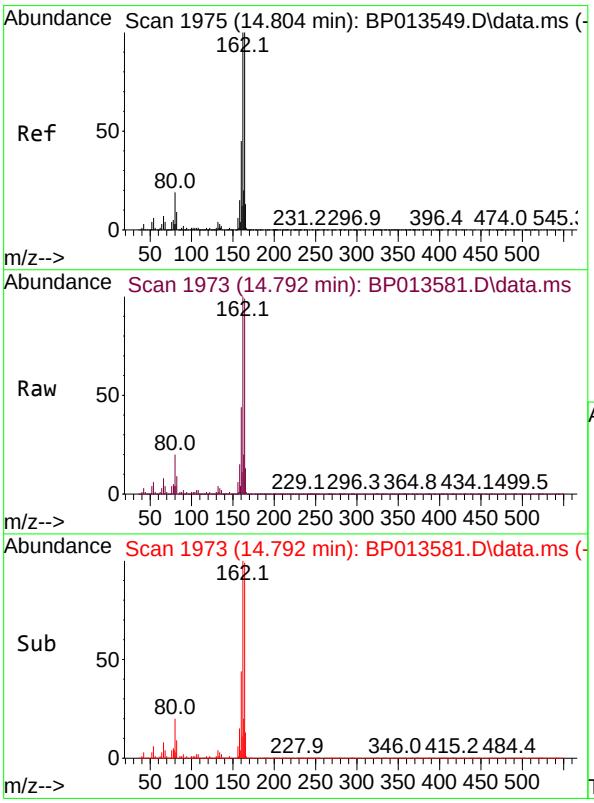
#23
Nitrobenzene-d5
Concen: 79.760 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Tgt Ion: 82 Resp: 1768567

Ion	Ratio	Lower	Upper
82	100		
128	45.5	35.8	53.6
54	51.4	42.6	64.0

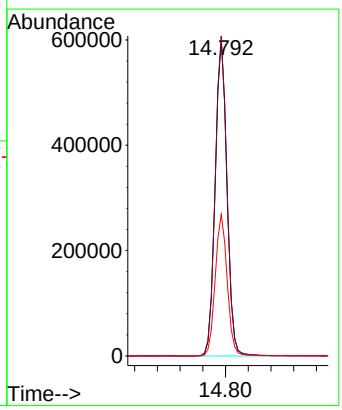


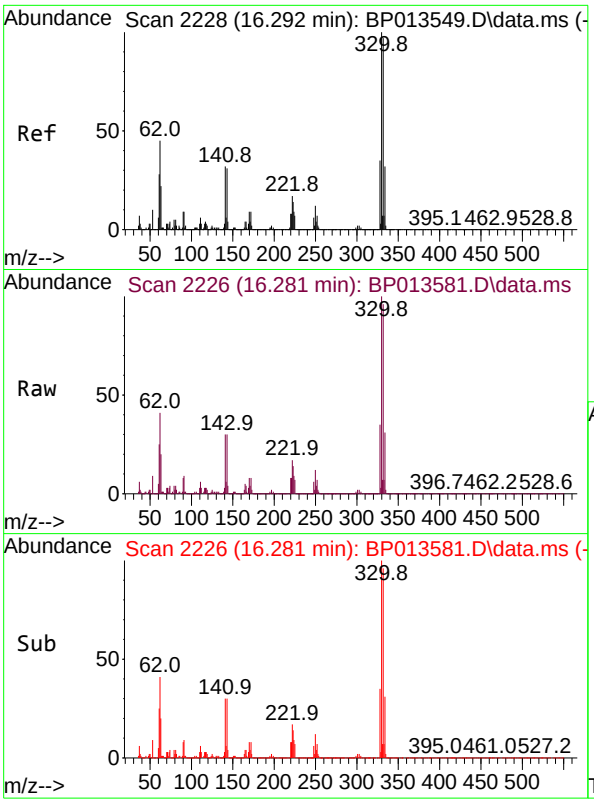


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.792 min Scan# 1973
Delta R.T. -0.006 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Tgt Ion:164 Resp: 861008

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.1	120.1
160	44.8	35.9	53.9



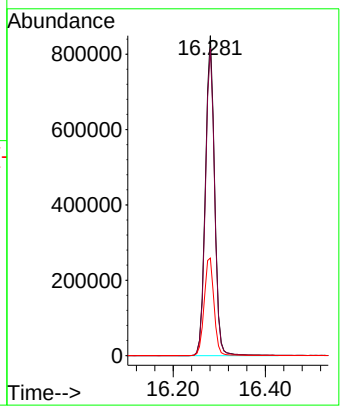


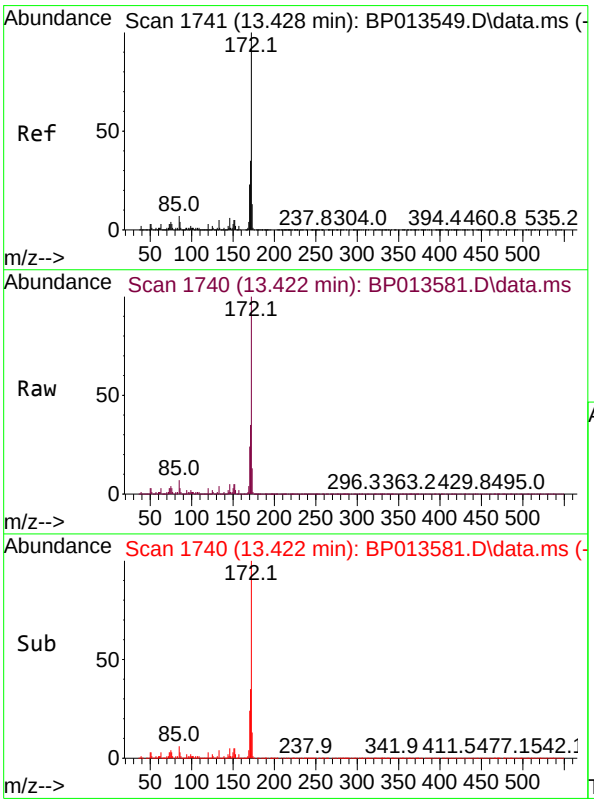
#42
2,4,6-Tribromophenol
Concen: 135.262 ng
RT: 16.281 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Tgt Ion:330 Resp: 1168165

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.2
141	32.8	27.6	41.4

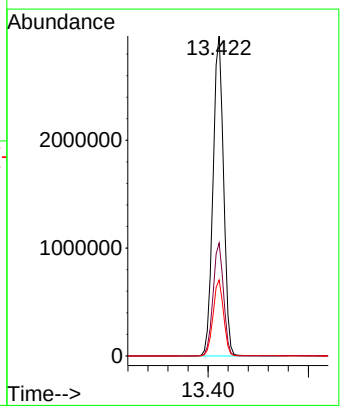


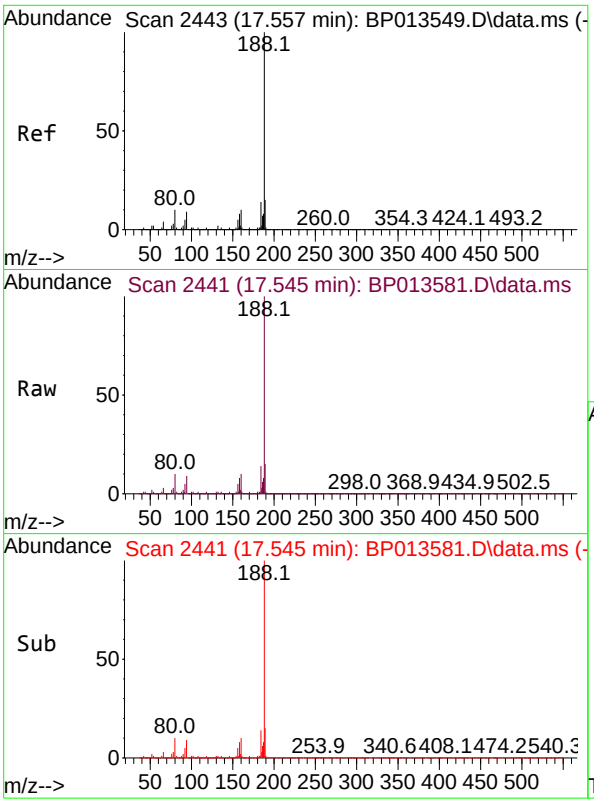


#45
2-Fluorobiphenyl
Concen: 68.938 ng
RT: 13.422 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Tgt Ion:172 Resp: 4324210

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.8	41.8
170	23.7	18.6	27.8



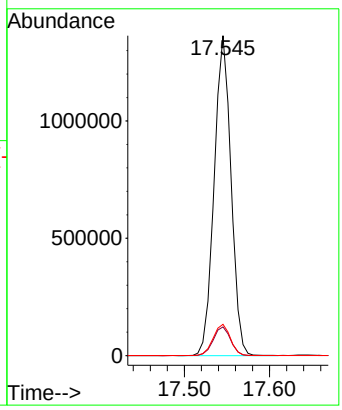


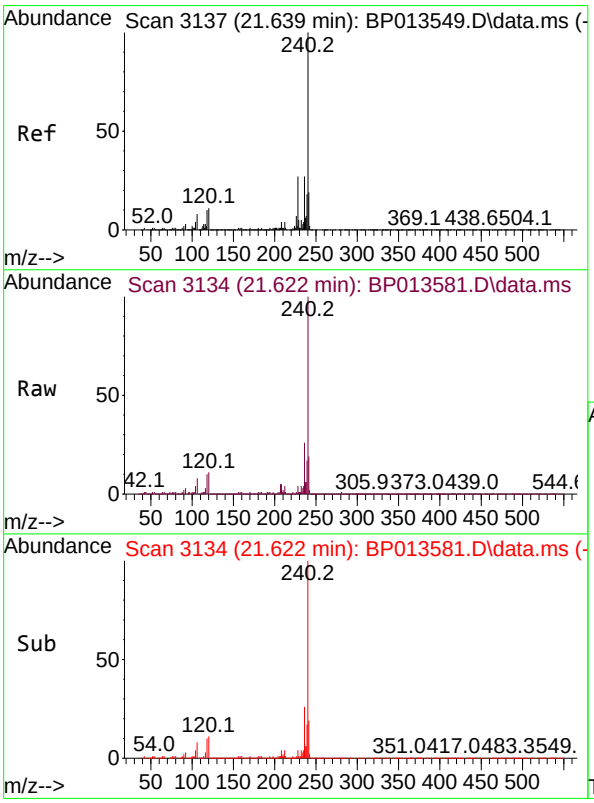
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.545 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Tgt Ion:188 Resp: 1874321

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	9.8	8.2	12.2

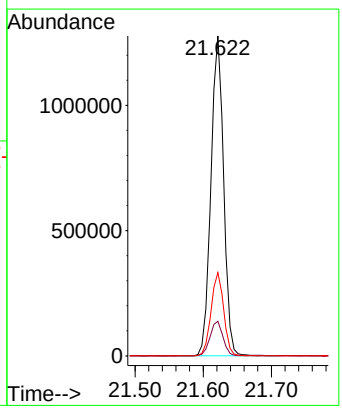


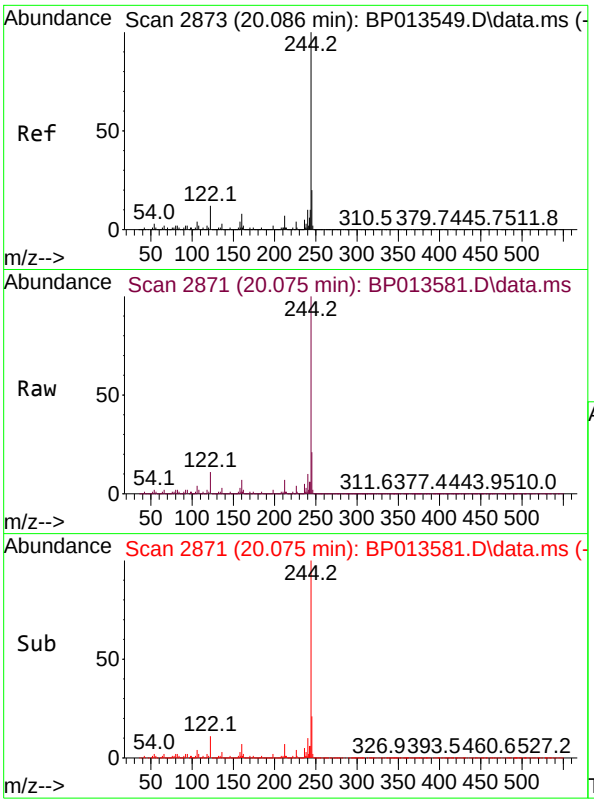


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.622 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Tgt Ion:240 Resp: 1653014

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	26.0	21.3	31.9



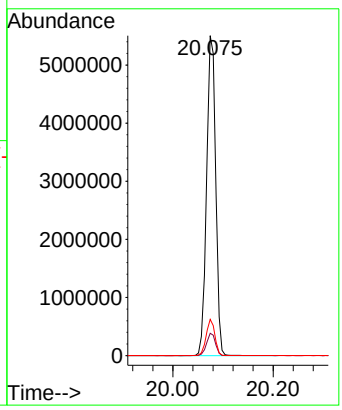


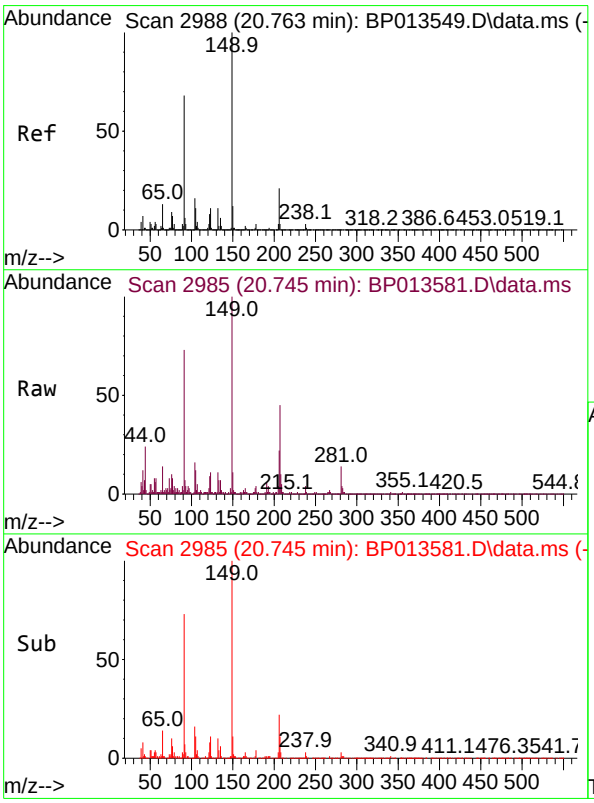
#79
Terphenyl-d14
Concen: 75.372 ng
RT: 20.075 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Tgt Ion:244 Resp: 6925575

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.3	9.2	13.8

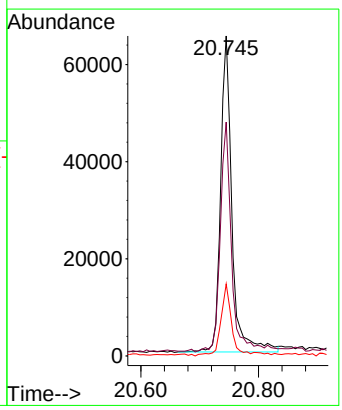


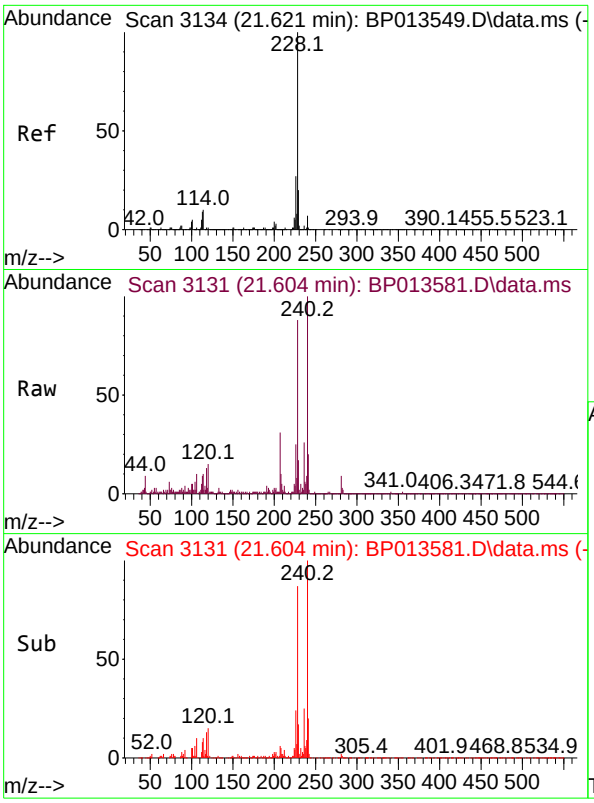


#80
Butylbenzylphthalate
Concen: 2.166 ng
RT: 20.745 min Scan# 2985
Delta R.T. -0.006 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Tgt Ion:149 Resp: 87159

Ion	Ratio	Lower	Upper
149	100		
91	73.1	54.6	81.8
206	22.5	16.7	25.1



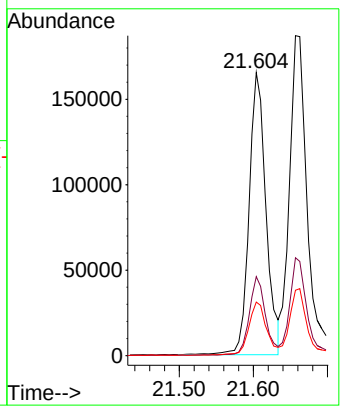


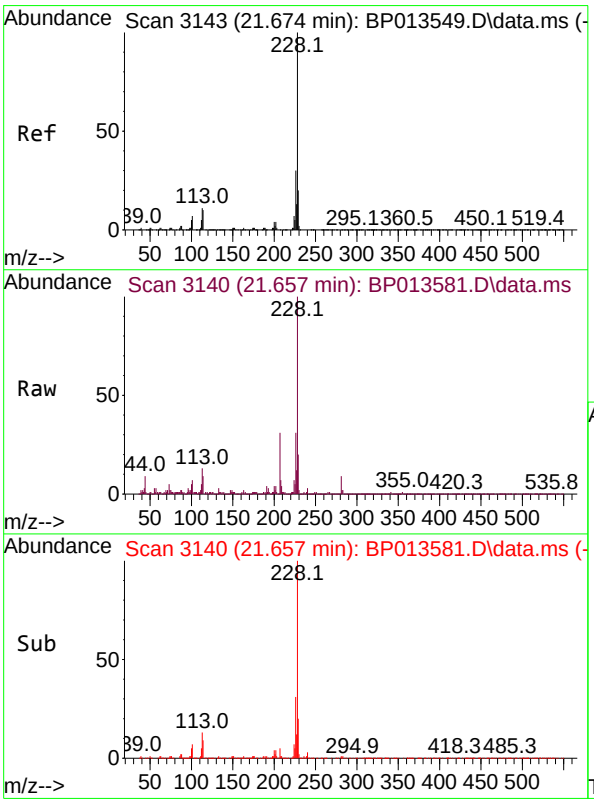
#81
Benzo(a)anthracene
Concen: 2.276 ng
RT: 21.604 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Tgt Ion:228 Resp: 262158

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.8	32.8
229	18.9	15.8	23.6

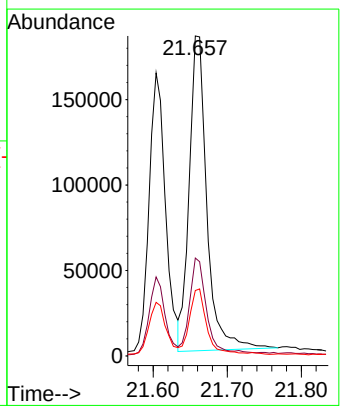


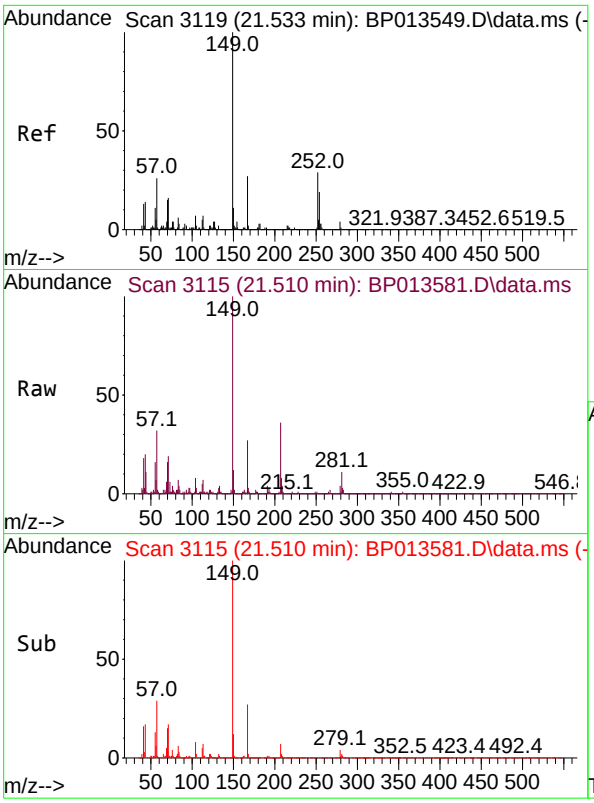


#83
Chrysene
Concen: 2.772 ng
RT: 21.657 min Scan# 3140
Delta R.T. -0.012 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Tgt Ion:228 Resp: 305322

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	20.4	16.2	24.2



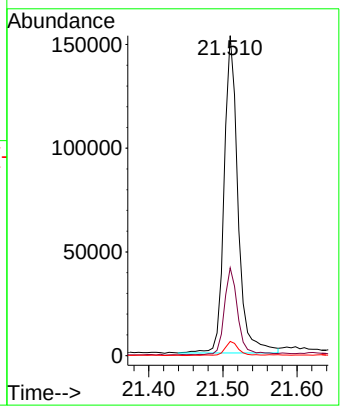


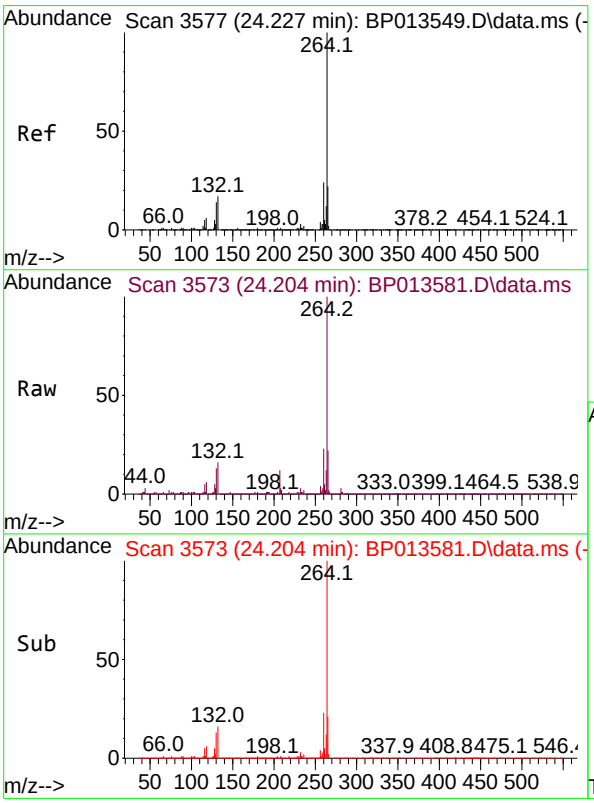
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.085 ng
RT: 21.510 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Tgt Ion:149 Resp: 198700

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.0	33.0
279	4.4	3.5	5.3

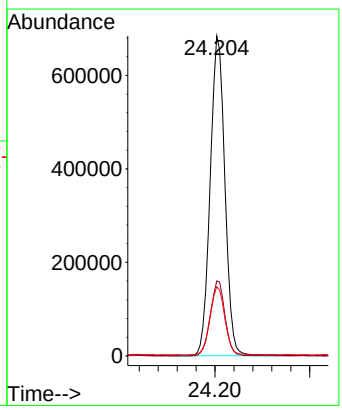




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.204 min Scan# 3573
Delta R.T. -0.012 min
Lab File: BP013581.D
Acq: 24 Jan 2023 21:02

Tgt Ion:264 Resp: 1474508

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.6	17.4	26.2



Sample Results: **BP013581.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013581.D
Acq On : 24 Jan 2023 21:02
Operator : CG/JU
Sample : 01232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP013581.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.222	3	6	26	rVB	2006243	2436379	13.51%	2.582%
2	5.216	339	345	356	rBV	2259141	3183227	17.65%	3.374%
3	5.687	418	425	436	rBV	5673197	8337038	46.22%	8.837%
4	7.299	691	699	710	rBV	5211630	8565137	47.48%	9.079%
5	8.158	837	845	852	rBV	1335782	2085915	11.56%	2.211%
6	9.328	1034	1044	1053	rBV	3131406	5260373	29.16%	5.576%
7	10.987	1317	1326	1334	rBV	1733564	2921792	16.20%	3.097%
8	13.422	1731	1740	1753	rBV	8330470	12238368	67.85%	12.972%
9	14.792	1966	1973	1987	rBV	2567820	3733007	20.69%	3.957%
10	16.145	2197	2203	2209	rBV	398355	522474	2.90%	0.554%
11	16.281	2218	2226	2242	rBV	6066416	8786969	48.71%	9.314%
12	17.545	2434	2441	2447	rBV	3199729	4484862	24.86%	4.754%
13	18.404	2581	2587	2595	rBV	377948	592067	3.28%	0.628%
14	19.533	2773	2779	2786	rBV	153635	231197	1.28%	0.245%
15	19.622	2790	2794	2800	rBV2	151209	217866	1.21%	0.231%
16	19.763	2814	2818	2825	rBV	236779	281791	1.56%	0.299%
17	19.886	2835	2839	2846	rVB	174414	248702	1.38%	0.264%
18	20.075	2865	2871	2876	rBV	14415769	18038690	100.00%	19.120%
19	20.745	2981	2985	2991	rBV	250219	297113	1.65%	0.315%
20	21.298	3074	3079	3092	rBV	981048	1411848	7.83%	1.496%
21	21.510	3111	3115	3122	rBV	511079	626469	3.47%	0.664%
22	21.622	3127	3134	3138	rVV	3601888	5250268	29.11%	5.565%
23	21.657	3138	3140	3148	rVB	470595	655223	3.63%	0.694%
24	24.204	3566	3573	3584	rVB2	1811689	3938342	21.83%	4.174%

Sum of corrected areas: 94345117

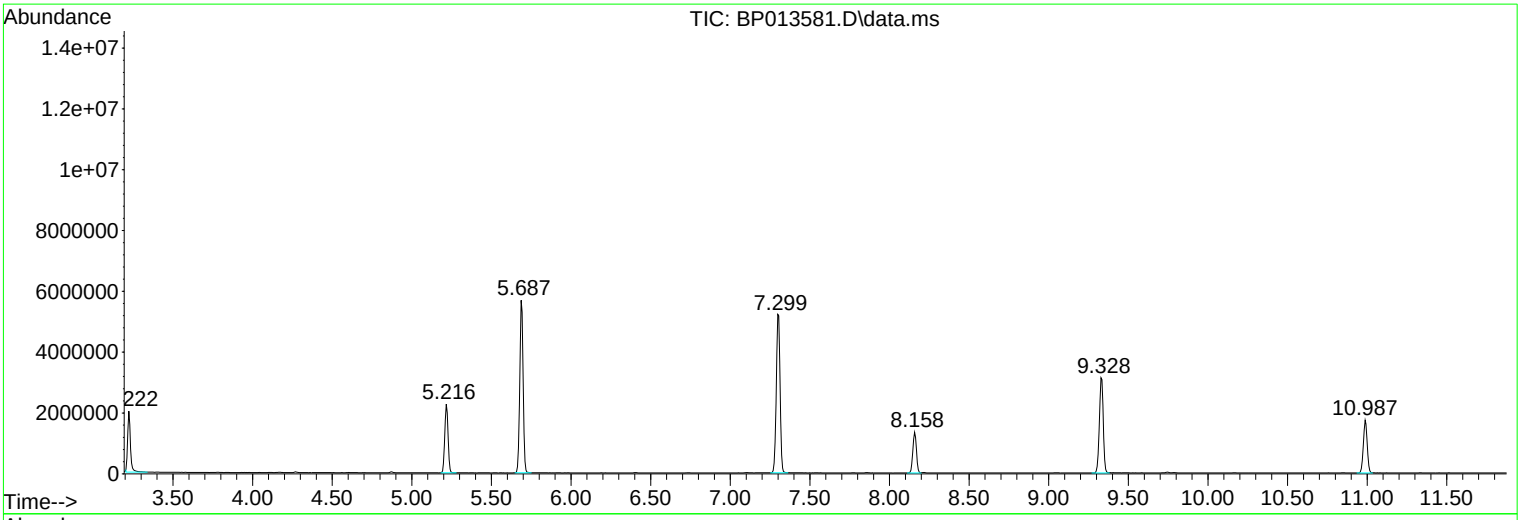
Sample Results: **BP013581.D**

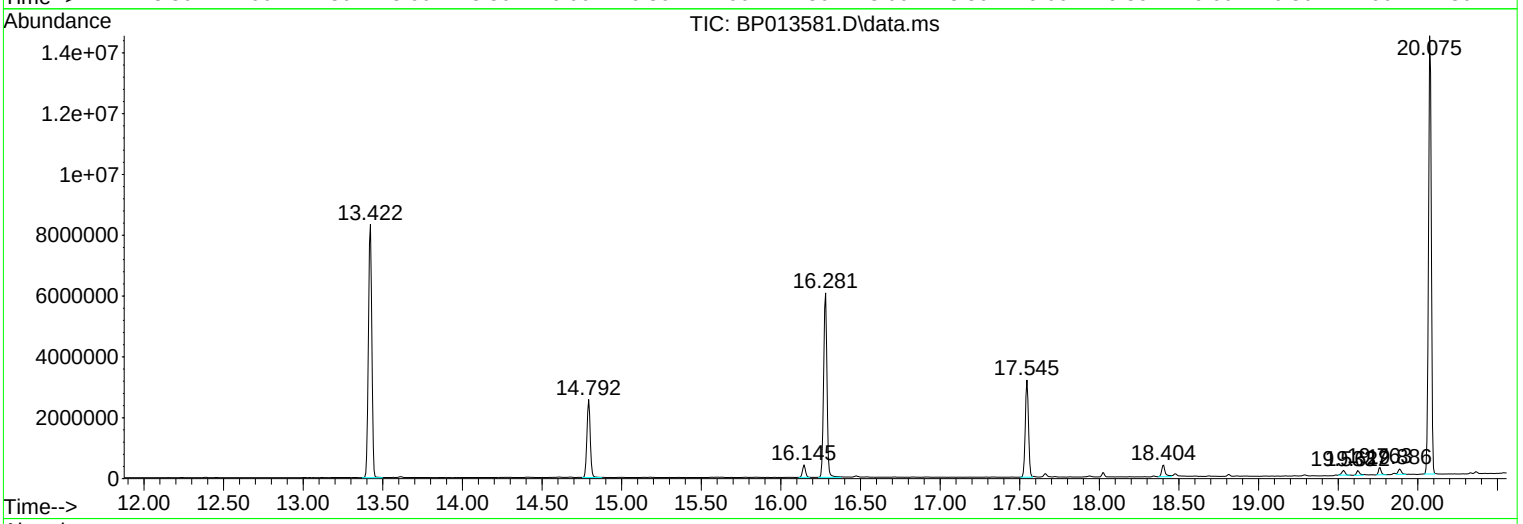
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013581.D
Acq On : 24 Jan 2023 21:02
Operator : CG/JU
Sample : 01232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

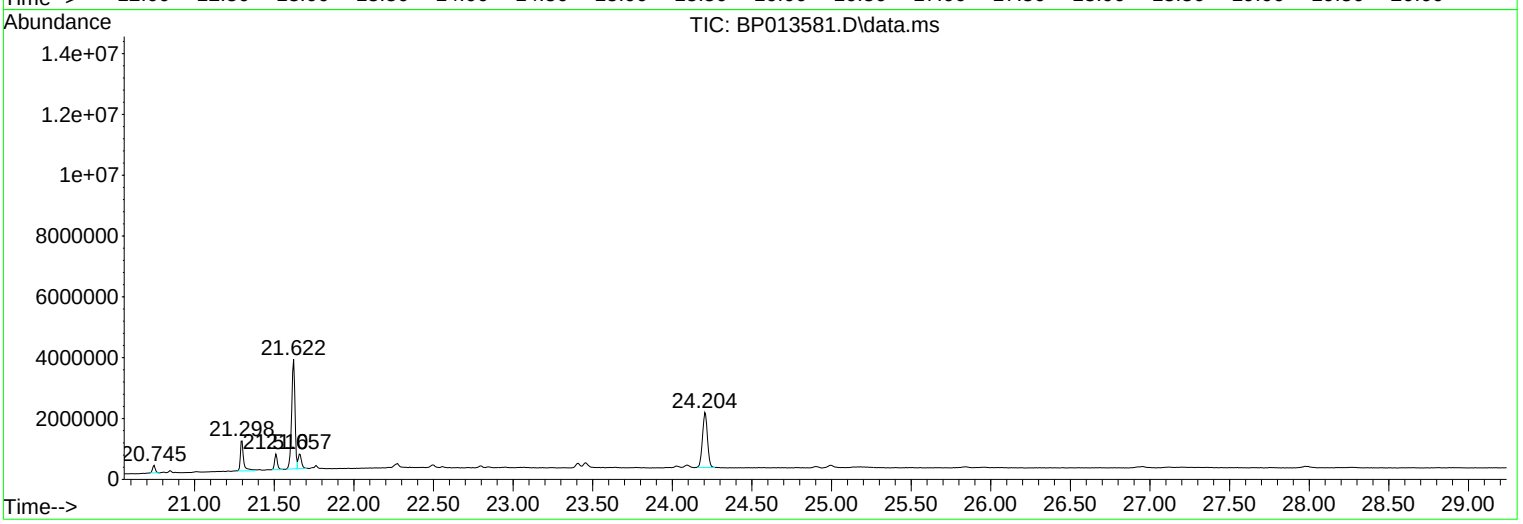
Instrument :
BNA_P
ClientSampleId :
B-P-35B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013581.D
Acq On : 24 Jan 2023 21:02
Operator : CG/JU
Sample : 01232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

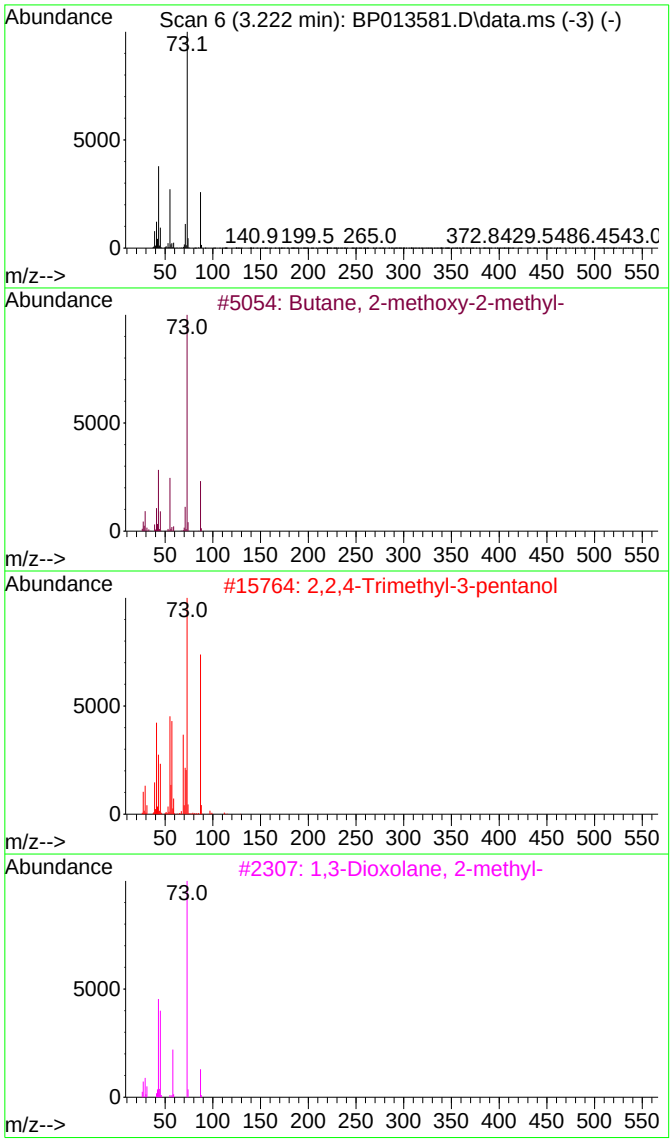
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

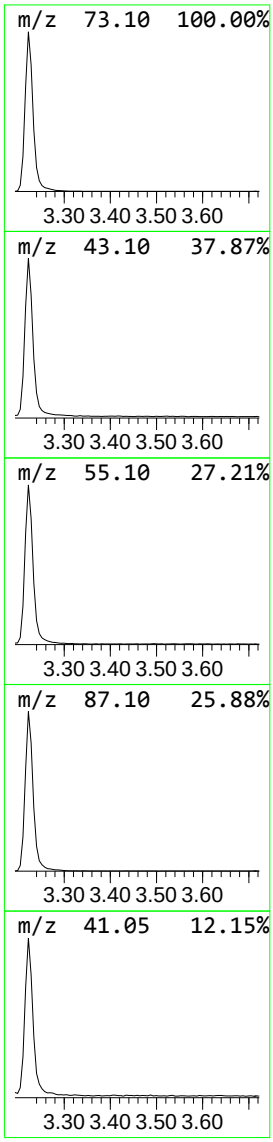
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.222	23.36 ng	2436380	1,4-Dichlorobenzene-d4	8.158

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013581.D
Acq On : 24 Jan 2023 21:02
Operator : CG/JU
Sample : 01232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-35B

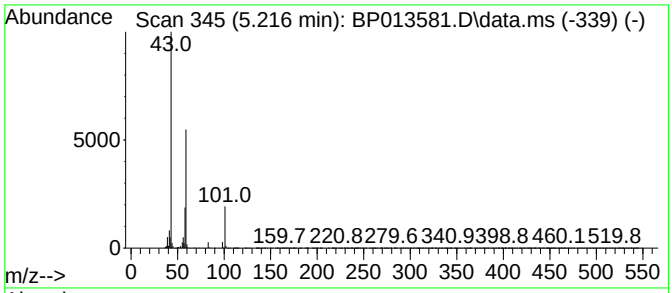
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

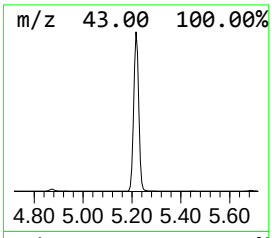
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

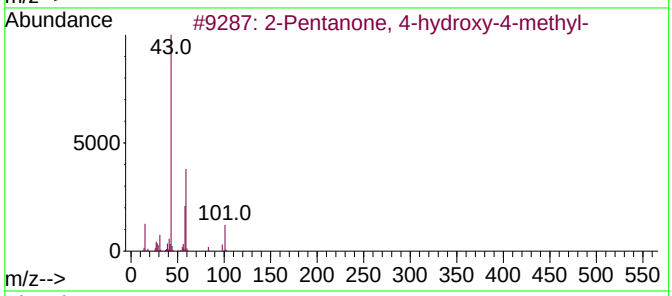
****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

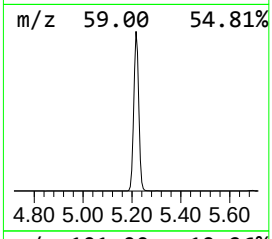
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.216	30.52 ng	3183230	1,4-Dichlorobenzene-d4	8.158

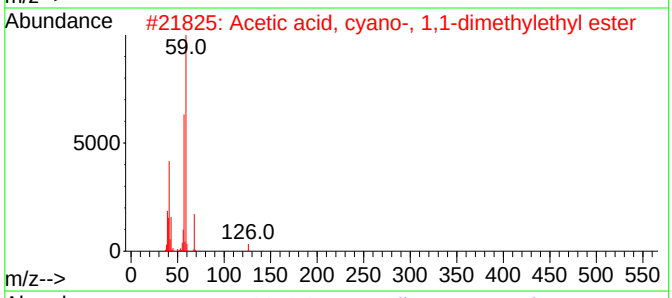
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Acetone	58	C3H6O	000067-64-1	10

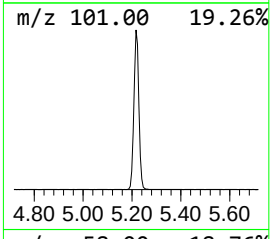


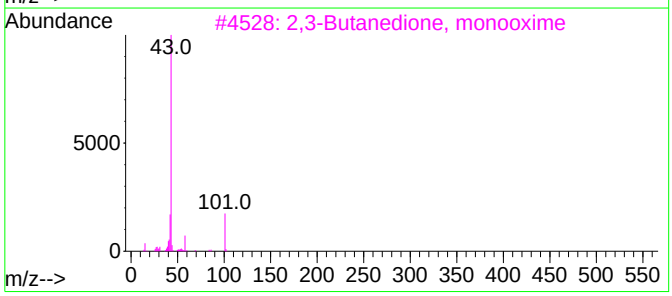


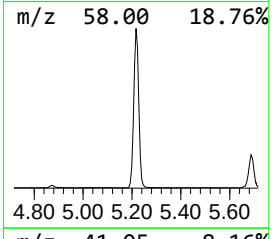


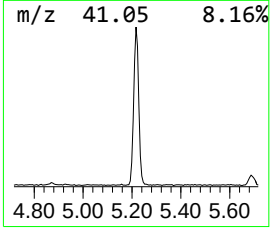












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013581.D
Acq On : 24 Jan 2023 21:02
Operator : CG/JU
Sample : 01232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

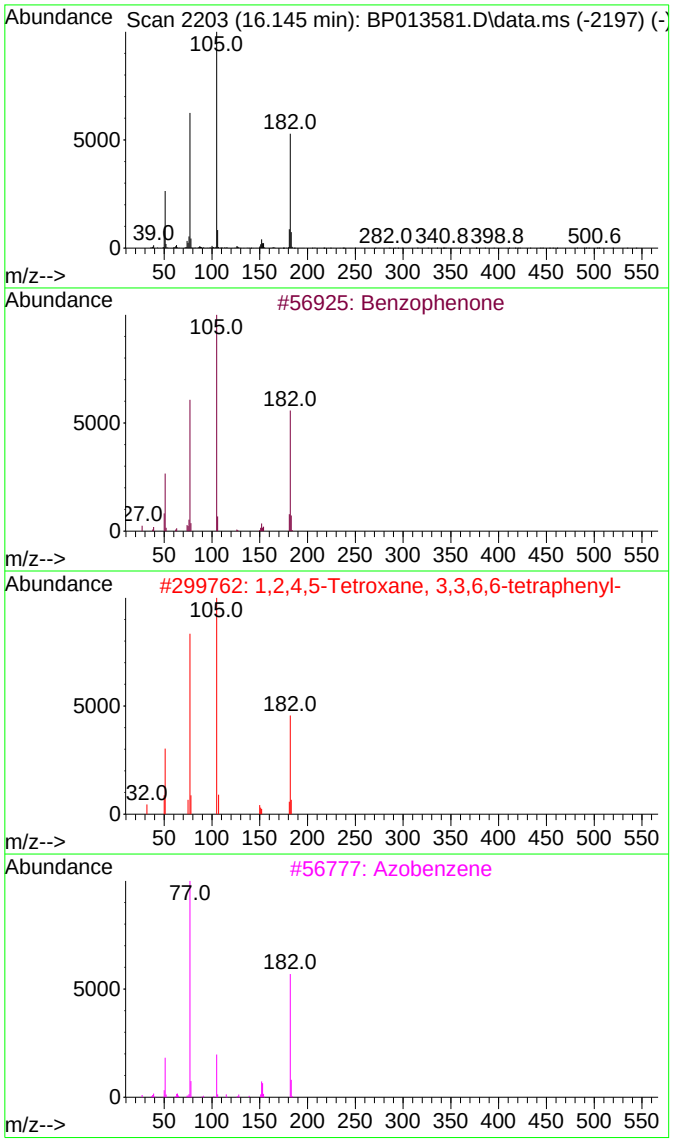
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

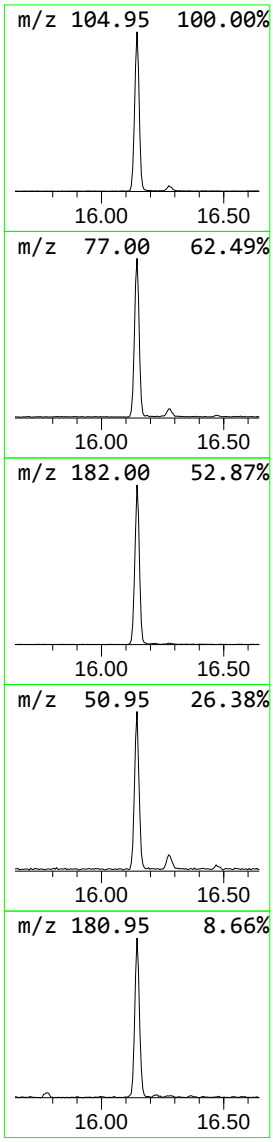
****

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.145	2.80 ng	522474	Acenaphthene-d10	14.793

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Azobenzene	182	C12H10N2	000103-33-3	59
4	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	53
5	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013581.D
Acq On : 24 Jan 2023 21:02
Operator : CG/JU
Sample : 01232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

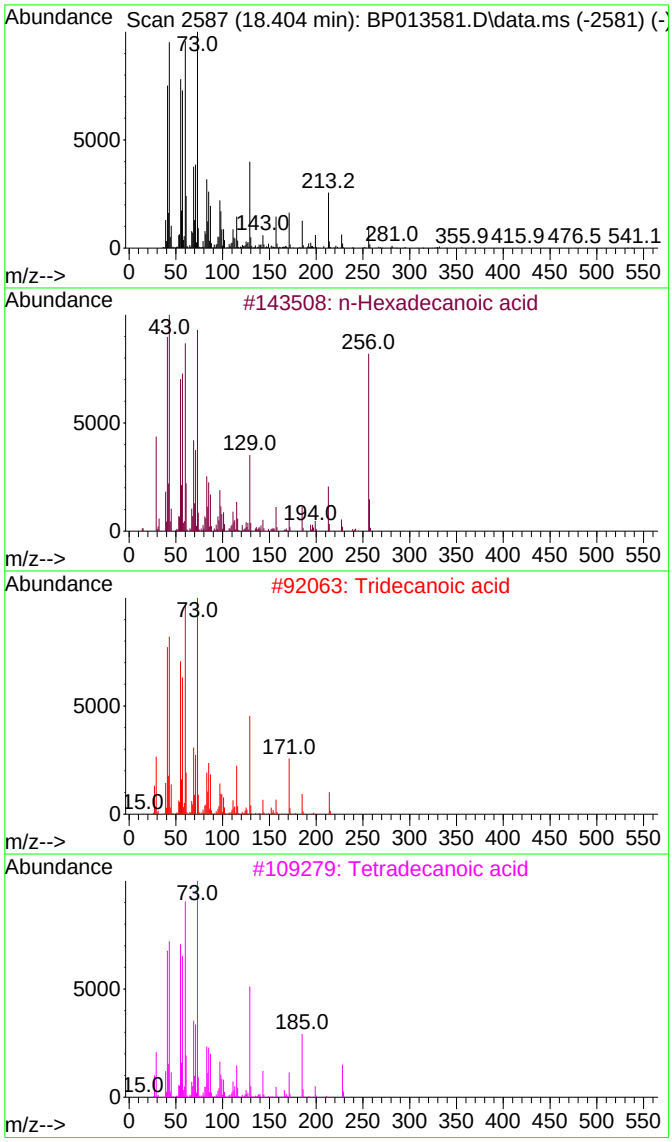
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

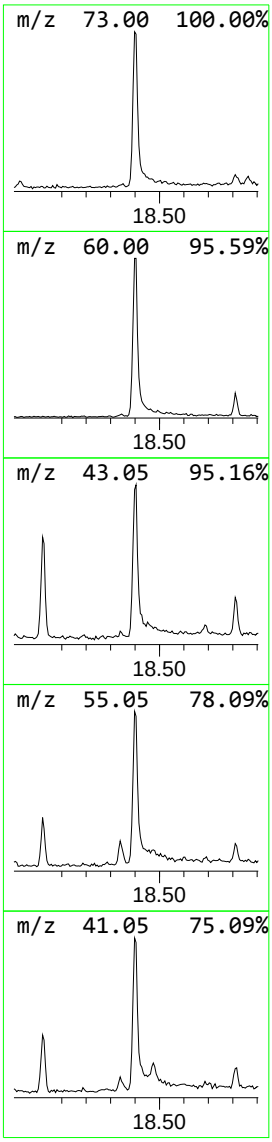
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.404	2.64 ng	592067	Phenanthrene-d10	17.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	Octadecanoic acid	284	C18H36O2	000057-11-4	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013581.D
Acq On : 24 Jan 2023 21:02
Operator : CG/JU
Sample : 01232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

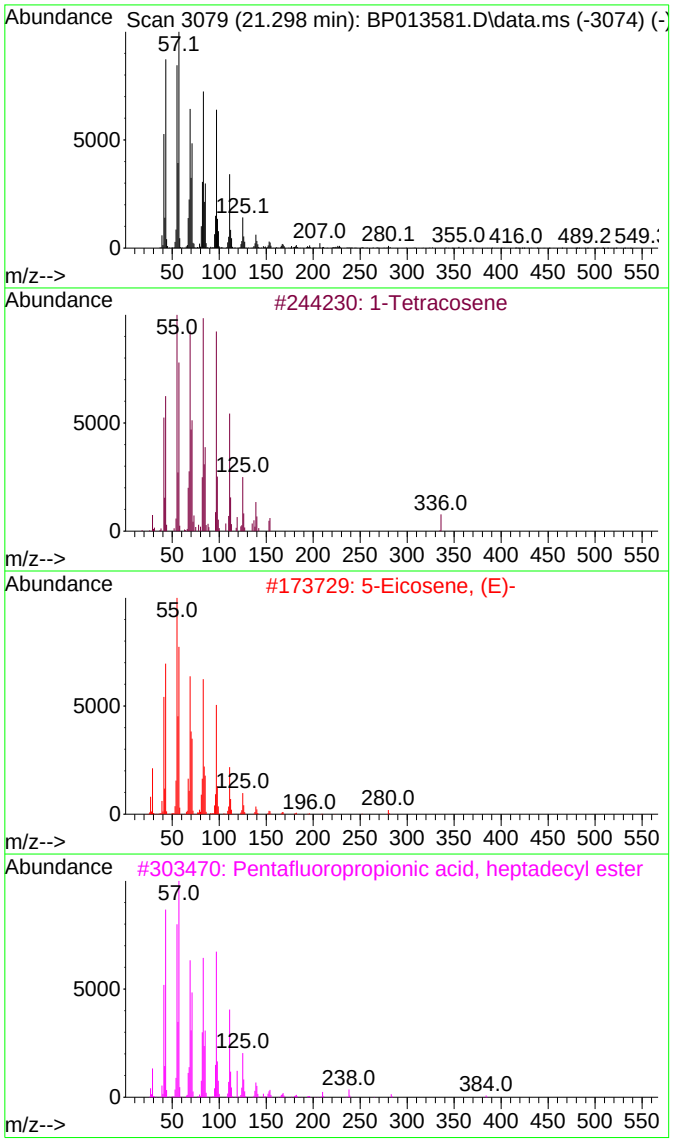
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

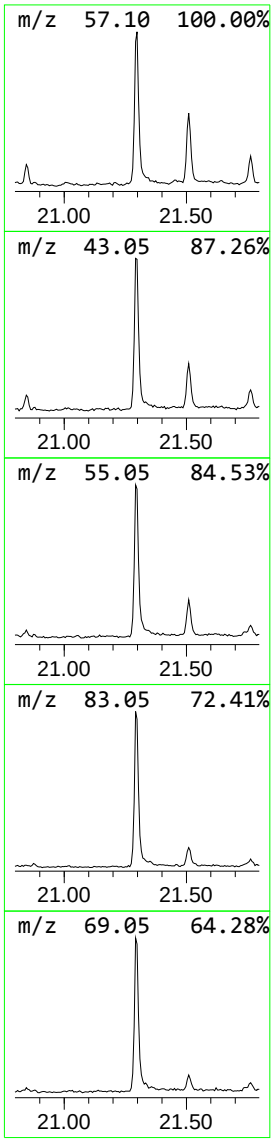
****

Peak Number 5 1-Tetracosene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.298	5.38 ng	1411850	Chrysene-d12	21.622

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tetracosene	336	C24H48	010192-32-2	99
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
3	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	94
4	Octacosanol	410	C28H58O	000557-61-9	94
5	1-Hexacosene	364	C26H52	018835-33-1	94





Sample Results: **BP013581.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013581.D
Acq On : 24 Jan 2023 21:02
Operator : CG/JU
Sample : 01232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-P-35B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.222	23.4	ng	2436380	1	8.158	2085920	20.0
2-Pentanone, 4-...	5.216	30.5	ng	3183230	1	8.158	2085920	20.0
Benzophenone	16.145	2.8	ng	522474	3	14.793	3733010	20.0
n-Hexadecanoic ...	18.404	2.6	ng	592067	4	17.545	4484860	20.0
1-Tetracosene	21.298	5.4	ng	1411850	5	21.622	5250270	20.0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	DUP01	SDG No.:	O1232
Lab Sample ID:	O1232-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG056375.D	1	01/20/23 12:30	01/20/23 20:09	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	370	ug/Kg
108-95-2	Phenol	74.9	U	74.9	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.9	U	88.9	190	ug/Kg
95-57-8	2-Chlorophenol	75.6	U	75.6	190	ug/Kg
95-48-7	2-Methylphenol	120	U	120	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	190	ug/Kg
98-86-2	Acetophenone	88.6	U	88.6	190	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	84.2	U	84.2	88.5	ug/Kg
67-72-1	Hexachloroethane	81.6	U	81.6	190	ug/Kg
98-95-3	Nitrobenzene	81.8	U	81.8	190	ug/Kg
78-59-1	Isophorone	73.7	U	73.7	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	190	ug/Kg
120-83-2	2,4-Dichlorophenol	90.4	U	90.4	190	ug/Kg
91-20-3	Naphthalene	81.8	U	81.8	190	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	190	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	190	ug/Kg
105-60-2	Caprolactam	110	U	110	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.1	U	87.1	190	ug/Kg
91-57-6	2-Methylnaphthalene	83.0	U	83.0	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	94.5	U	94.5	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	92.5	U	92.5	190	ug/Kg
92-52-4	1,1-Biphenyl	95.7	U	95.7	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.6	U	94.6	190	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	190	ug/Kg
131-11-3	Dimethylphthalate	89.5	U	89.5	190	ug/Kg
208-96-8	Acenaphthylene	76.0	U	76.0	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	86.4	U	86.4	190	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	DUP01	SDG No.:	O1232
Lab Sample ID:	O1232-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG056375.D	1	01/20/23 12:30	01/20/23 20:09	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	110	U	110	190	ug/Kg
83-32-9	Acenaphthene	87.3	U	87.3	190	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	370	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	370	ug/Kg
132-64-9	Dibenzofuran	82.1	U	82.1	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.6	U	93.6	190	ug/Kg
84-66-2	Diethylphthalate	89.1	U	89.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	190	ug/Kg
86-73-7	Fluorene	87.2	U	87.2	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	95.4	U	95.4	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	91.0	U	91.0	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	190	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	190	ug/Kg
1912-24-9	Atrazine	99.6	U	99.6	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	370	ug/Kg
85-01-8	Phenanthrene	92.5	U	92.5	190	ug/Kg
120-12-7	Anthracene	93.0	U	93.0	190	ug/Kg
86-74-8	Carbazole	93.2	U	93.2	190	ug/Kg
84-74-2	Di-n-butylphthalate	96.3	U	96.3	190	ug/Kg
206-44-0	Fluoranthene	88.3	U	88.3	190	ug/Kg
129-00-0	Pyrene	82.1	U	82.1	190	ug/Kg
85-68-7	Butylbenzylphthalate	91.5	U	91.5	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	U	150	370	ug/Kg
56-55-3	Benzo(a)anthracene	96.0	U	96.0	190	ug/Kg
218-01-9	Chrysene	94.6	U	94.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	98.0	U	98.0	190	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	76.4	U	76.4	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	81.4	U	81.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	74.9	U	74.9	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	190	ug/Kg

Raw Data: **BG056375.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	DUP01	SDG No.:	O1232
Lab Sample ID:	O1232-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG056375.D	1	01/20/23 12:30	01/20/23 20:09	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	110	U	110	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	190	ug/Kg
123-91-1	1,4-Dioxane	98.6	U	98.6	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	89.9	U	89.9	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	111		18 - 112	74%	SPK: 150
13127-88-3	Phenol-d6	99.1		21 - 104	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.4		27 - 109	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.7		30 - 103	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		10 - 121	71%	SPK: 150
1718-51-0	Terphenyl-d14	70.9		21 - 107	71%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	47000	8.302			
1146-65-2	Naphthalene-d8	178000	11.134			
15067-26-2	Acenaphthene-d10	128000	14.918			
1517-22-2	Phenanthrene-d10	294000	17.656			
1719-03-5	Chrysene-d12	270000	21.945			
1520-96-3	Perylene-d12	286000	25.388			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	580	AB		5.34	ug/Kg
000119-61-9	Benzophenone	99.2	J		16.3	ug/Kg
000057-10-3	n-Hexadecanoic acid	160	J		18.5	ug/Kg
000077-94-1	Butyl citrate	210	J		19.9	ug/Kg
085763-57-1	11-Methyldodecanol	130	J		21.5	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056375.D
Acq On : 20 Jan 2023 20:09
Operator : CG/JU
Sample : 01232-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP01

Quant Time: Jan 23 00:02:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

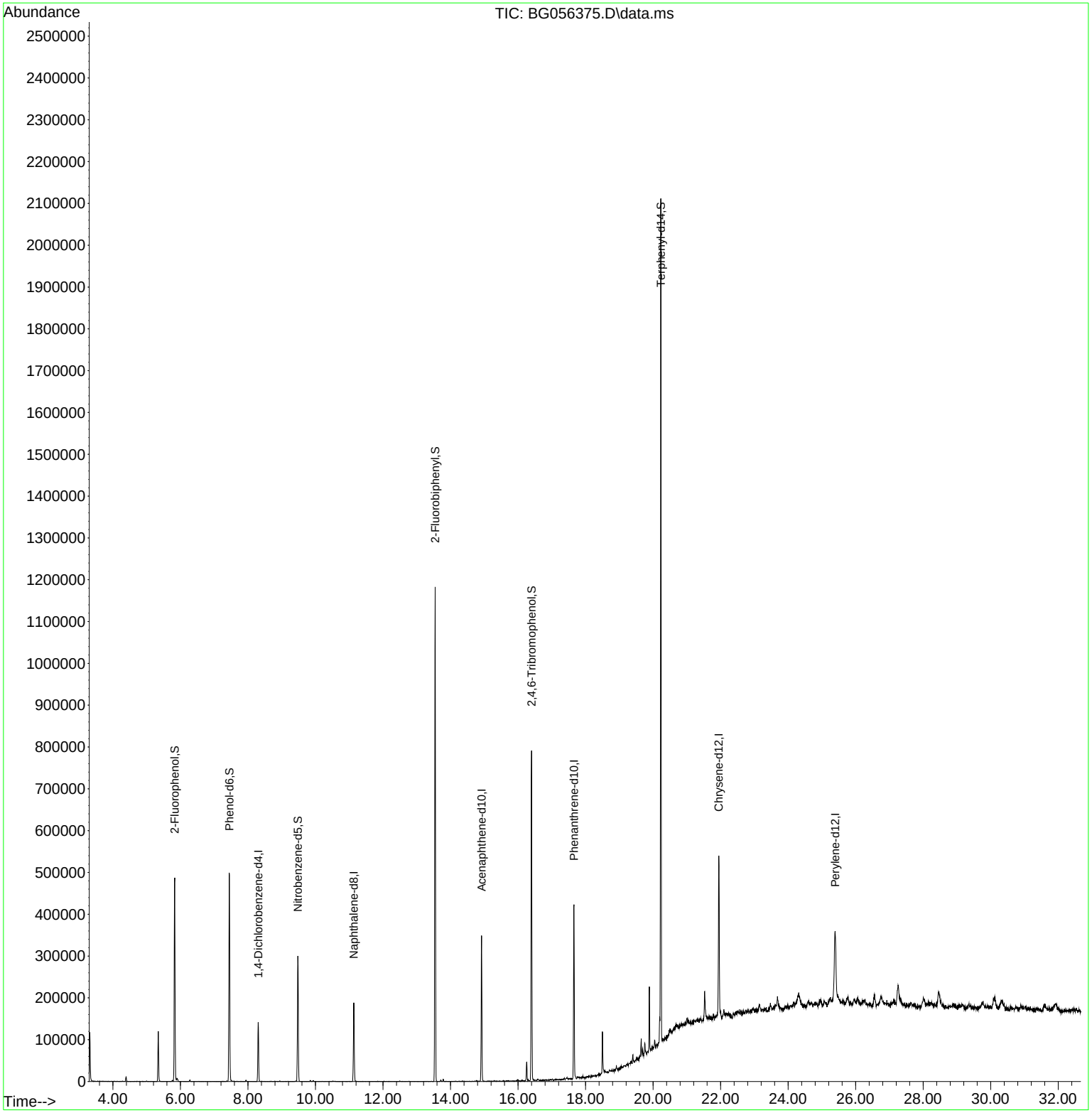
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.302	152	47011	20.000	ng	0.00
21) Naphthalene-d8	11.134	136	177848	20.000	ng	0.00
39) Acenaphthene-d10	14.918	164	127856	20.000	ng	0.00
64) Phenanthrene-d10	17.656	188	293543	20.000	ng	0.00
76) Chrysene-d12	21.945	240	269833	20.000	ng	# 0.00
86) Perylene-d12	25.388	264	285669	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.829	112	291940	110.880	ng	0.00
7) Phenol-d6	7.450	99	400525	99.055	ng	0.00
23) Nitrobenzene-d5	9.477	82	213416	61.381	ng	0.00
42) 2,4,6-Tribromophenol	16.399	330	172891	106.771	ng	0.00
45) 2-Fluorobiphenyl	13.543	172	682705	73.735	ng	0.00
79) Terphenyl-d14	20.229	244	1068179	70.902	ng	0.00
Target Compounds						Qvalue

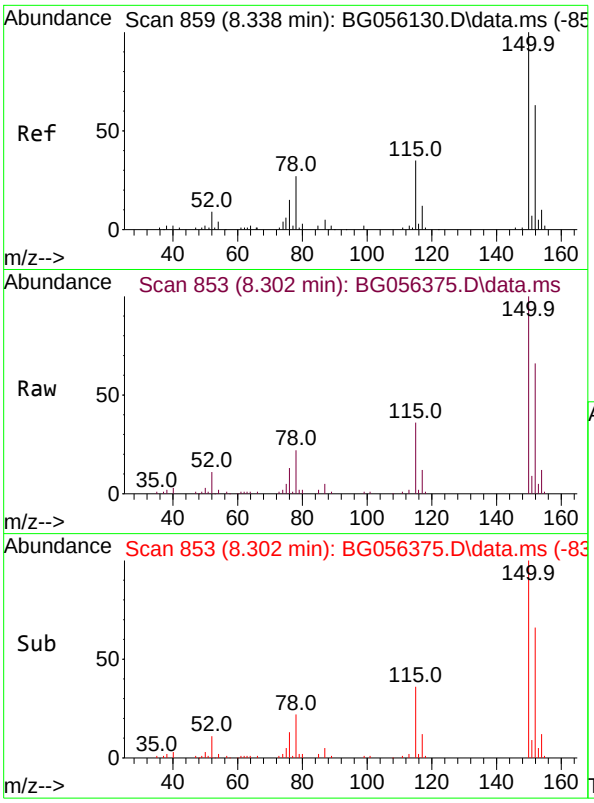
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056375.D
Acq On : 20 Jan 2023 20:09
Operator : CG/JU
Sample : 01232-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP01

Quant Time: Jan 23 00:02:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration



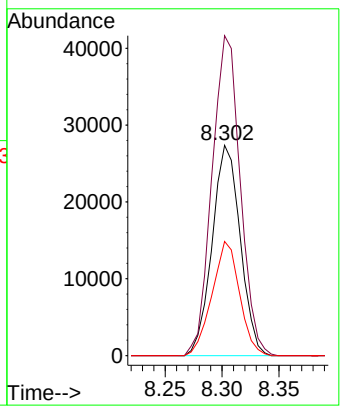


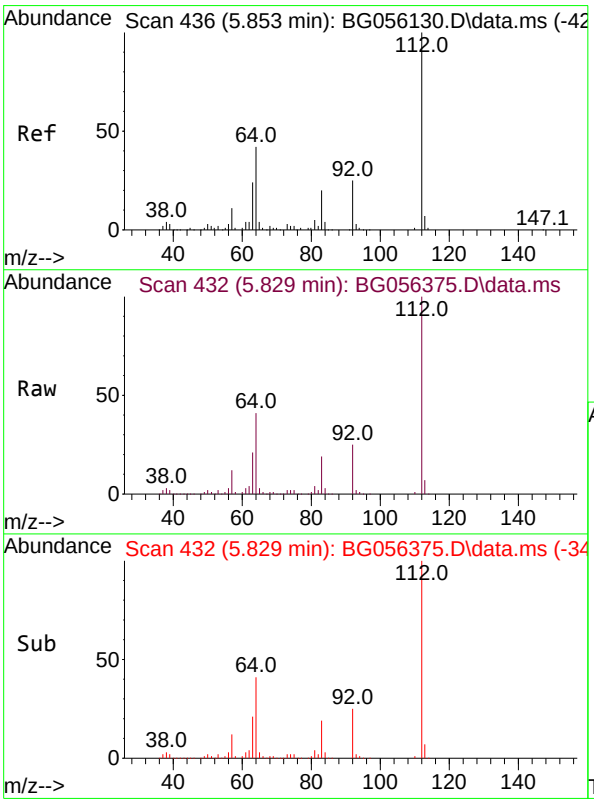
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.302 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG056375.D
Acq: 20 Jan 2023 20:09

Instrument :
BNA_G
ClientSampleId :
DUP01

Tgt Ion:152 Resp: 47011

Ion	Ratio	Lower	Upper
152	100		
150	152.1	127.9	191.9
115	54.3	44.2	66.2

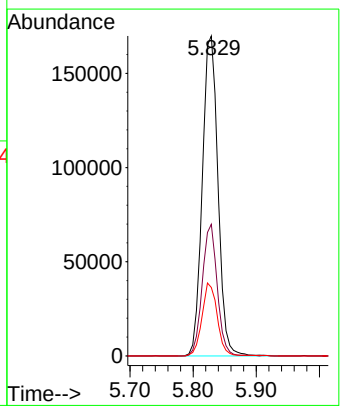


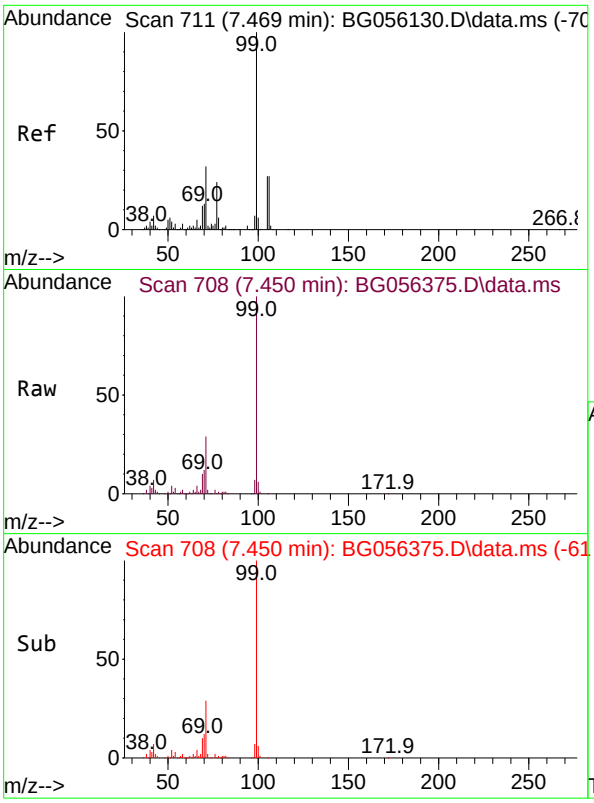


#5
2-Fluorophenol
Concen: 110.880 ng
RT: 5.829 min Scan# 432
Delta R.T. 0.002 min
Lab File: BG056375.D
Acq: 20 Jan 2023 20:09

Tgt Ion:112 Resp: 291940

Ion	Ratio	Lower	Upper
112	100		
64	41.1	33.3	49.9
63	21.4	19.0	28.4



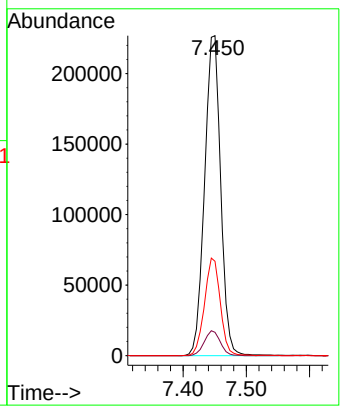


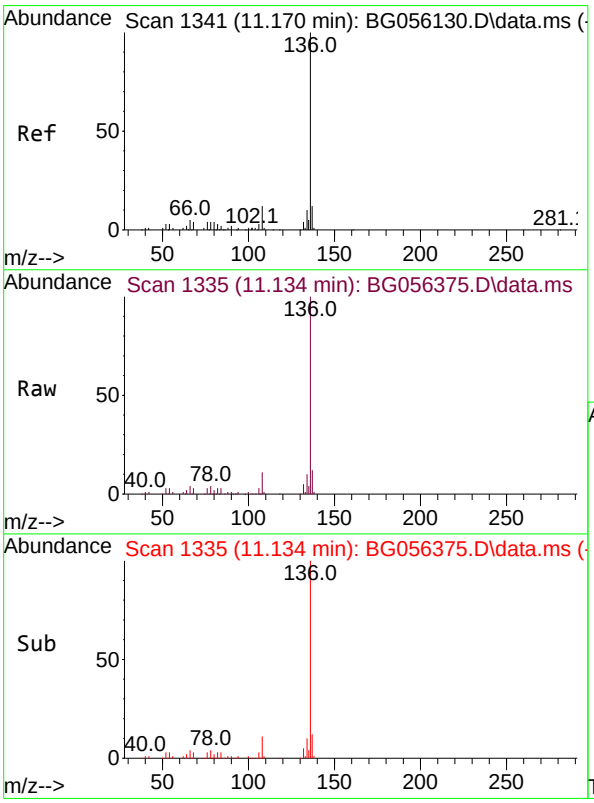
#7
Phenol-d6
Concen: 99.055 ng
RT: 7.450 min Scan# 70
Delta R.T. 0.002 min
Lab File: BG056375.D
Acq: 20 Jan 2023 20:09

Instrument :
BNA_G
ClientSampleId :
DUP01

Tgt Ion: 99 Resp: 400525

Ion	Ratio	Lower	Upper
99	100		
42	7.3	5.9	8.9
71	29.5	25.4	38.2

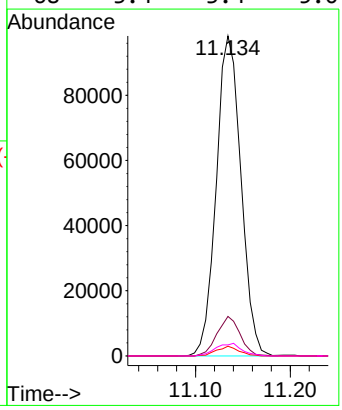


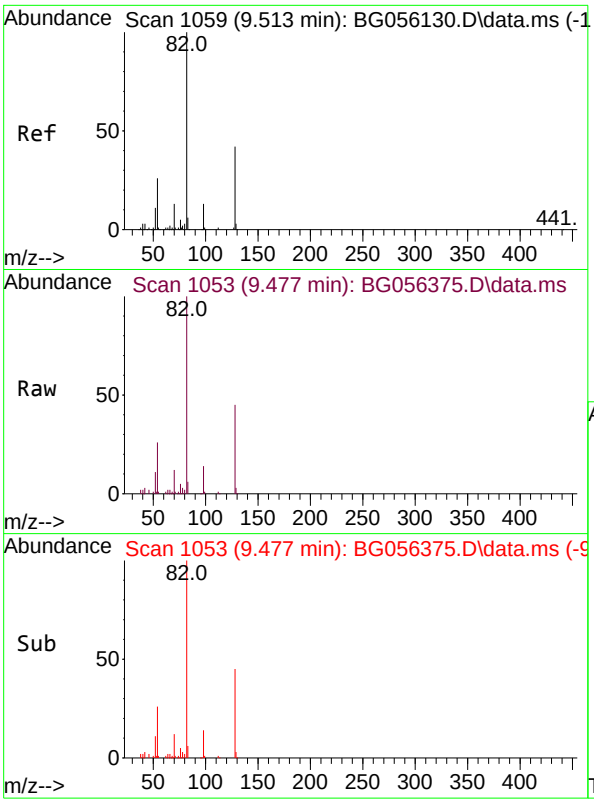


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.134 min Scan# 1335
Delta R.T. -0.004 min
Lab File: BG056375.D
Acq: 20 Jan 2023 20:09

Tgt Ion:136 Resp: 177848

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.4	14.0
54	3.0	2.2	3.2
68	3.4	3.4	5.0



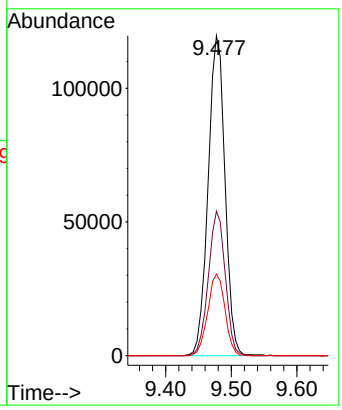


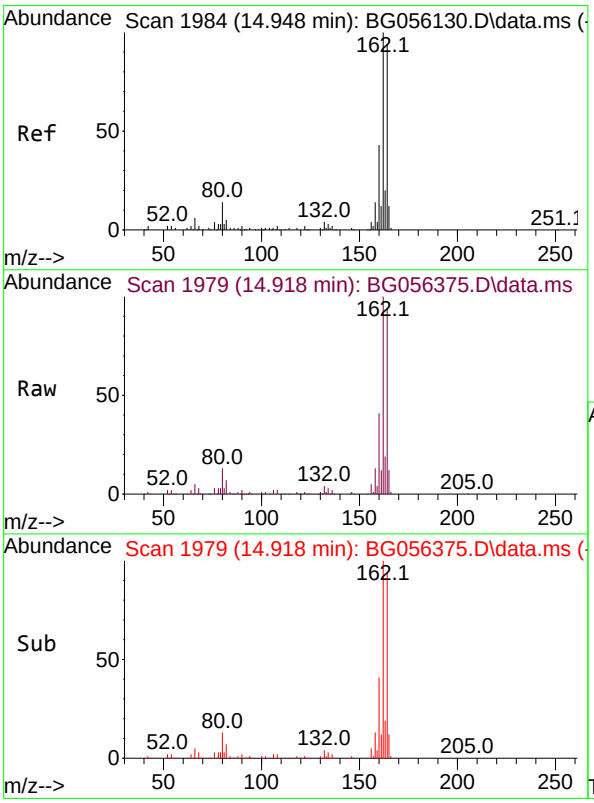
#23
Nitrobenzene-d5
Concen: 61.381 ng
RT: 9.477 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG056375.D
Acq: 20 Jan 2023 20:09

Instrument :
BNA_G
ClientSampleId :
DUP01

Tgt Ion: 82 Resp: 213416

Ion	Ratio	Lower	Upper
82	100		
128	45.1	33.4	50.2
54	25.5	20.3	30.5

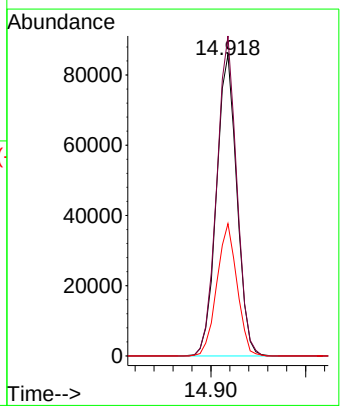


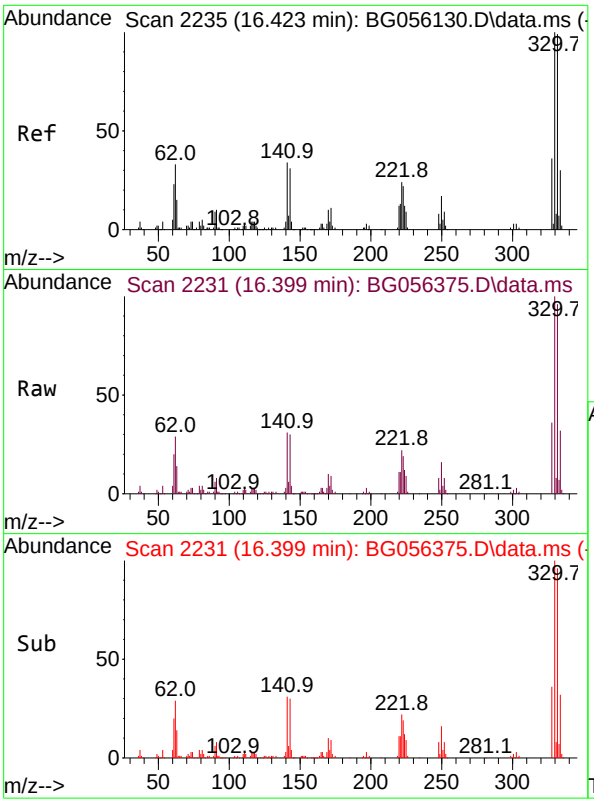


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.918 min Scan# 1979
Delta R.T. -0.004 min
Lab File: BG056375.D
Acq: 20 Jan 2023 20:09

Tgt Ion:164 Resp: 127856

Ion	Ratio	Lower	Upper
164	100		
162	106.3	84.7	127.1
160	43.9	36.3	54.5



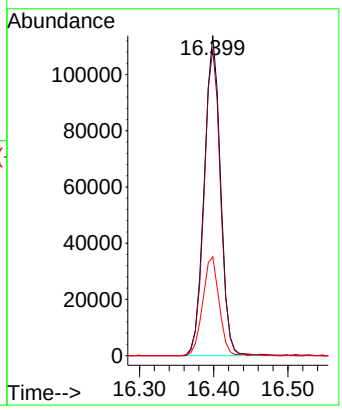


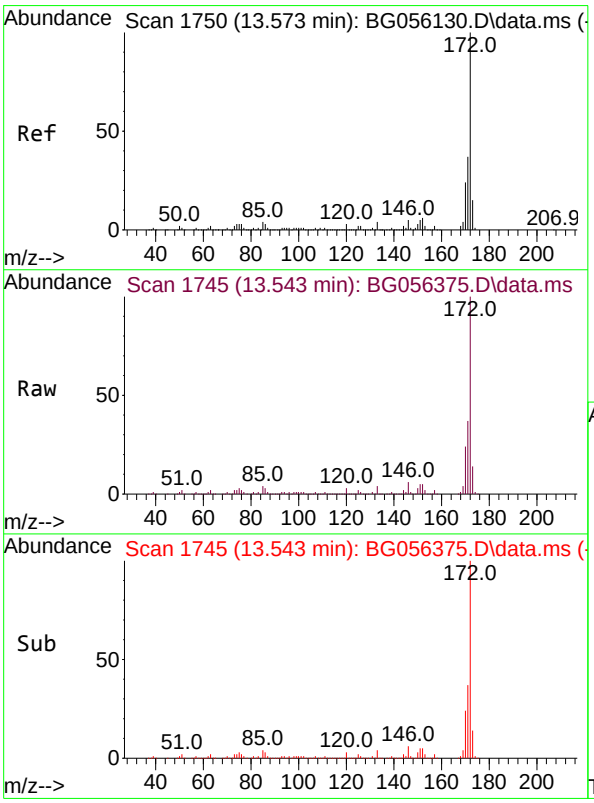
#42
2,4,6-Tribromophenol
Concen: 106.771 ng
RT: 16.399 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG056375.D
Acq: 20 Jan 2023 20:09

Instrument :
BNA_G
ClientSampleId :
DUP01

Tgt Ion:330 Resp: 172891

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.3	115.9
141	31.1	27.9	41.9

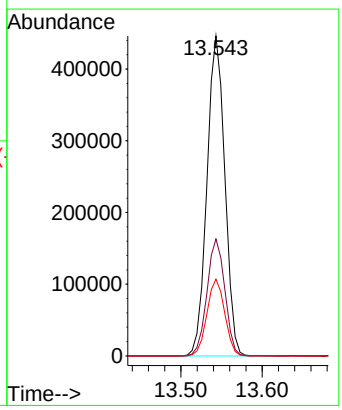


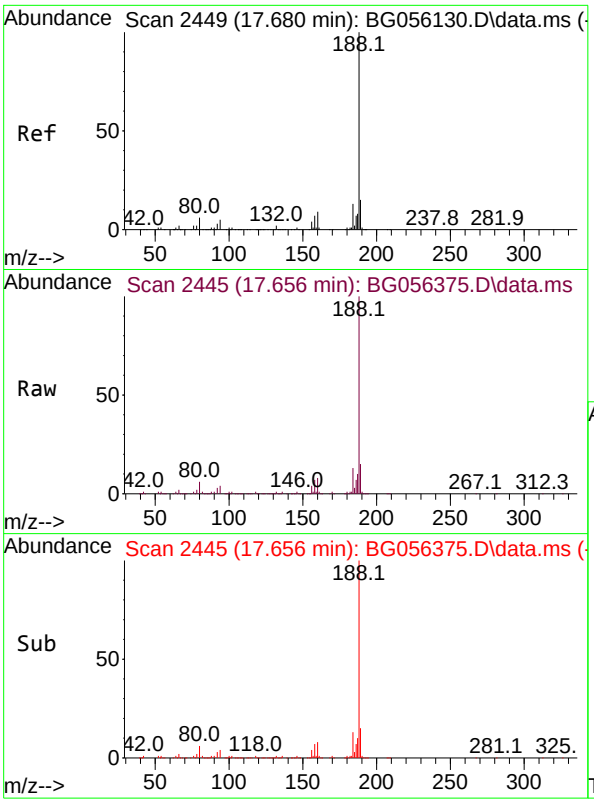


#45
2-Fluorobiphenyl
Concen: 73.735 ng
RT: 13.543 min Scan# 1745
Delta R.T. -0.004 min
Lab File: BG056375.D
Acq: 20 Jan 2023 20:09

Tgt Ion:172 Resp: 682705

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.0	19.4	29.2



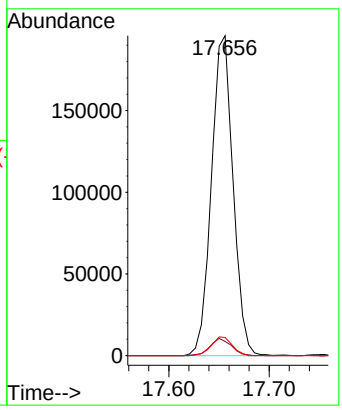


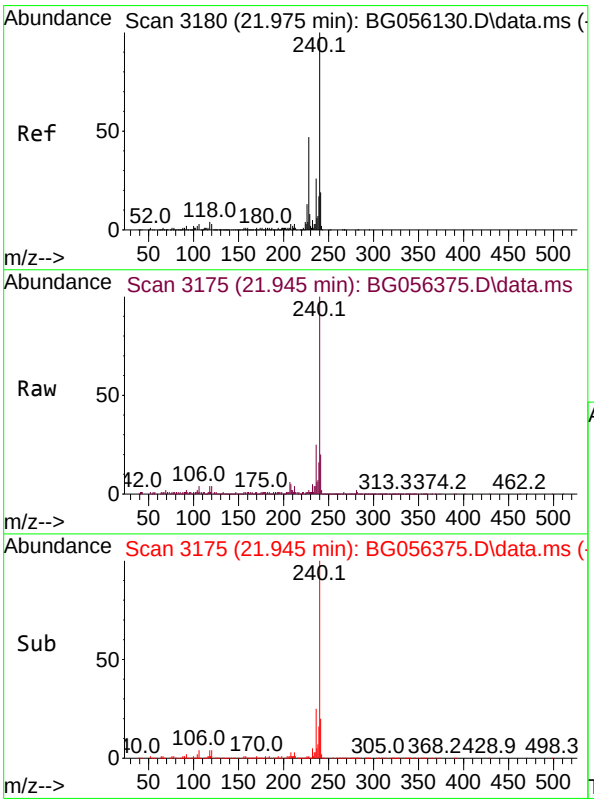
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.656 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG056375.D
Acq: 20 Jan 2023 20:09

Instrument :
BNA_G
ClientSampleId :
DUP01

Tgt Ion:188 Resp: 293543

Ion	Ratio	Lower	Upper
188	100		
94	4.4	4.2	6.2
80	5.7	5.0	7.4

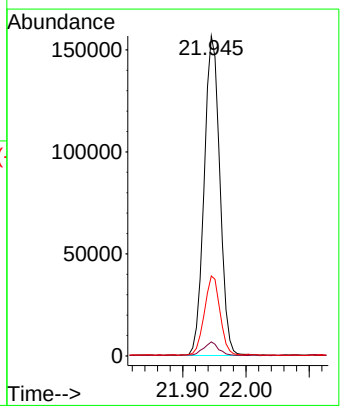


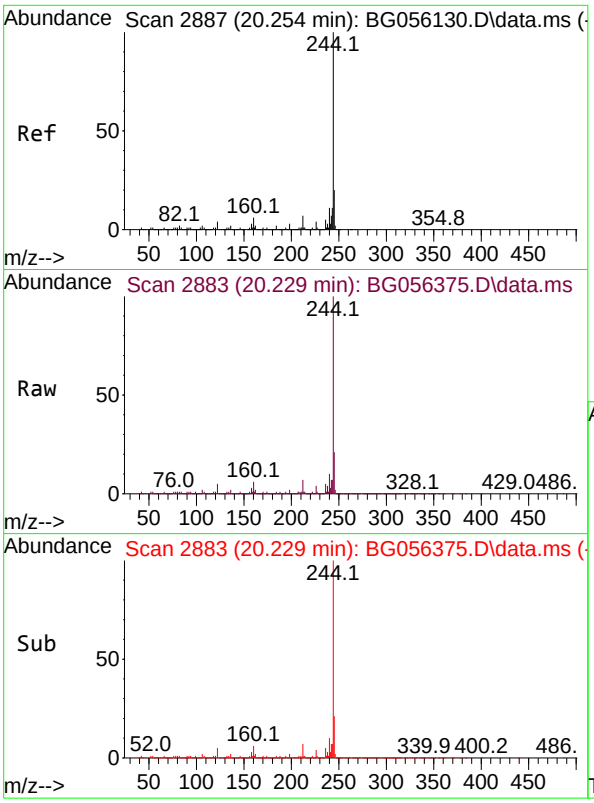


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.945 min Scan# 3175
Delta R.T. -0.010 min
Lab File: BG056375.D
Acq: 20 Jan 2023 20:09

Tgt Ion:240 Resp: 269833

Ion	Ratio	Lower	Upper
240	100		
120	4.4	2.6	4.0#
236	25.0	20.8	31.2



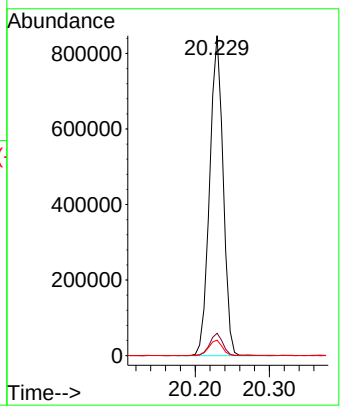


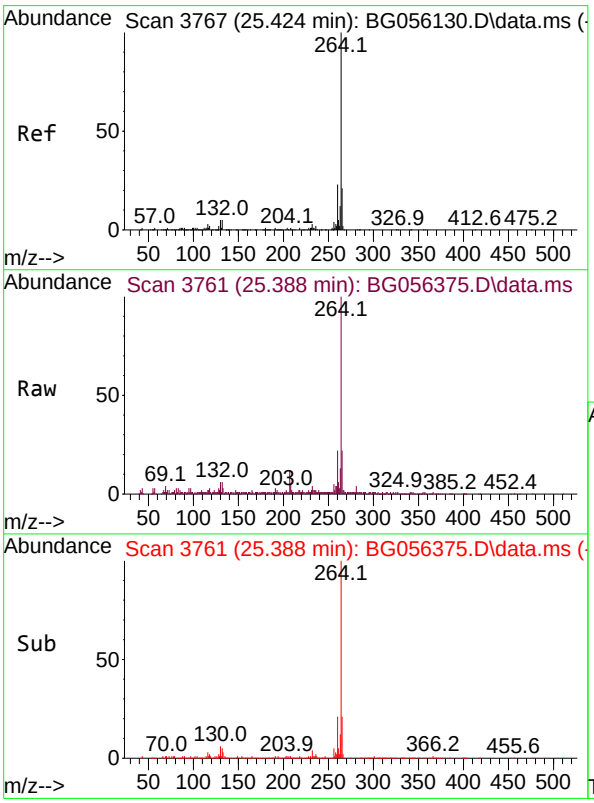
#79
Terphenyl-d14
Concen: 70.902 ng
RT: 20.229 min Scan# 28
Delta R.T. -0.004 min
Lab File: BG056375.D
Acq: 20 Jan 2023 20:09

Instrument :
BNA_G
ClientSampleId :
DUP01

Tgt Ion:244 Resp: 1068179

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	4.8	3.5	5.3

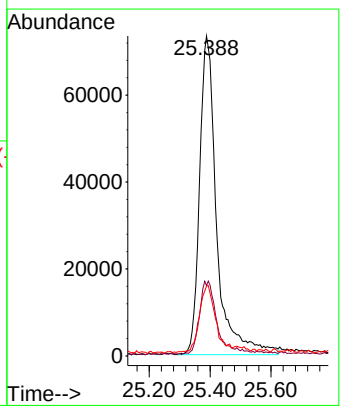




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.388 min Scan# 3761
Delta R.T. -0.004 min
Lab File: BG056375.D
Acq: 20 Jan 2023 20:09

Tgt Ion:264 Resp: 285669

Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.6	28.0
265	21.9	16.7	25.1



Sample Results: **BG056375.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056375.D
Acq On : 20 Jan 2023 20:09
Operator : CG/JU
Sample : 01232-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056375.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.341	343	349	360	rBV	120079	186235	7.41%	1.615%
2	5.829	425	432	440	rBV	486676	824049	32.77%	7.148%
3	7.444	699	707	716	rBV	499074	885949	35.23%	7.685%
4	8.302	847	853	864	rBB	141438	236440	9.40%	2.051%
5	9.477	1046	1053	1064	rVB	299977	534839	21.27%	4.639%
6	11.134	1327	1335	1343	rBV	188075	337371	13.42%	2.926%
7	13.543	1738	1745	1753	rBV	1182507	1803591	71.72%	15.645%
8	14.918	1969	1979	1990	rBV	348738	525006	20.88%	4.554%
9	16.258	2197	2207	2211	rBV	45485	70581	2.81%	0.612%
10	16.399	2223	2231	2239	rBV	789836	1215605	48.34%	10.544%
11	17.656	2438	2445	2457	rBV	417331	652855	25.96%	5.663%
12	18.496	2584	2588	2597	rBV	99856	144287	5.74%	1.252%
13	19.401	2738	2742	2745	rBV4	22049	33362	1.33%	0.289%
14	19.648	2780	2784	2787	rBV	41989	48860	1.94%	0.424%
15	19.753	2799	2802	2805	rBV4	23794	30209	1.20%	0.262%
16	19.889	2821	2825	2831	rBV	154676	180912	7.19%	1.569%
17	20.194	2874	2877	2878	rBV	61676	61275	2.44%	0.532%
18	20.229	2878	2883	2888	rVB	2014566	2514690	100.00%	21.813%
19	21.528	3101	3104	3114	rVB2	64240	114017	4.53%	0.989%
20	21.945	3170	3175	3181	rVB2	374999	641047	25.49%	5.561%
21	25.388	3755	3761	3772	rVB3	155530	487318	19.38%	4.227%

Sum of corrected areas: 11528498

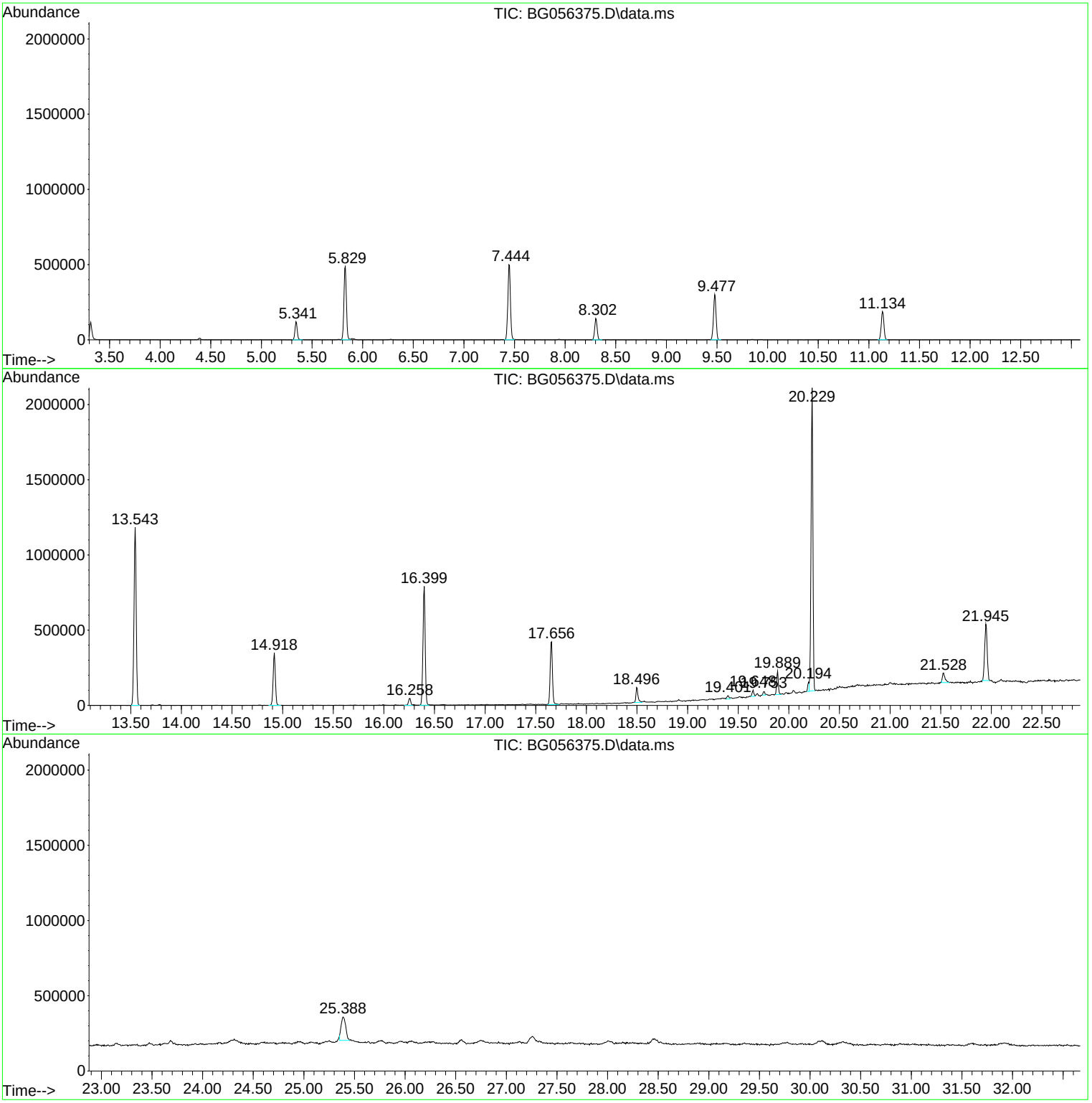
Sample Results: **BG056375.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056375.D
Acq On : 20 Jan 2023 20:09
Operator : CG/JU
Sample : 01232-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056375.D
Acq On : 20 Jan 2023 20:09
Operator : CG/JU
Sample : 01232-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP01

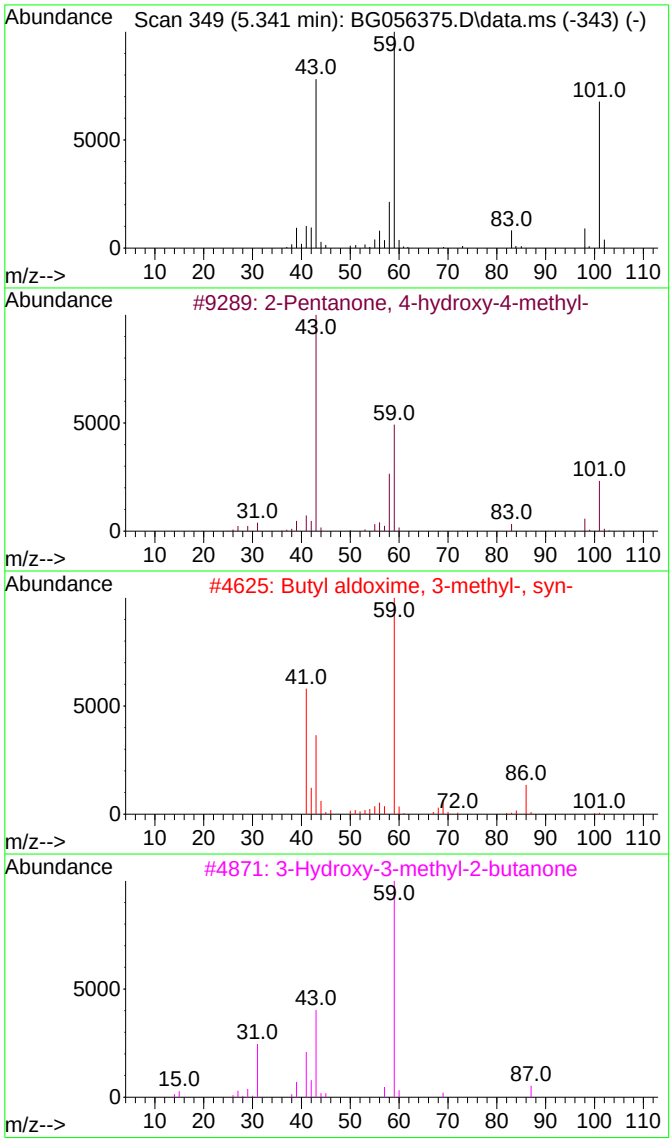
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

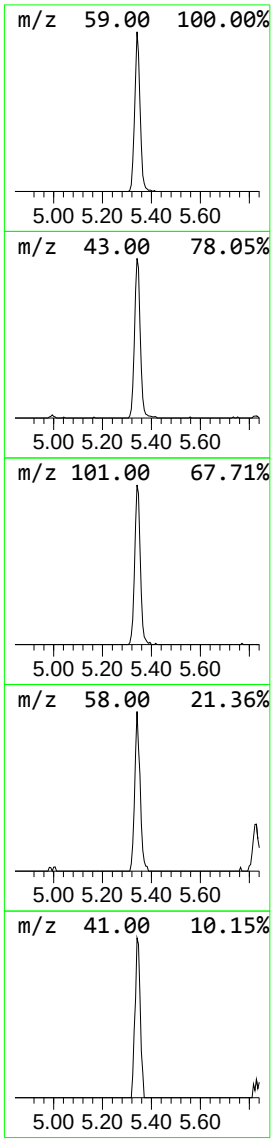
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.341	15.75 ng	186235	1,4-Dichlorobenzene-d4	8.302

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	35
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	32
4	Guanidine	59	CH5N3	000113-00-8	32
5	Oxirane, tetramethyl-	100	C6H12O	005076-20-0	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056375.D
Acq On : 20 Jan 2023 20:09
Operator : CG/JU
Sample : 01232-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

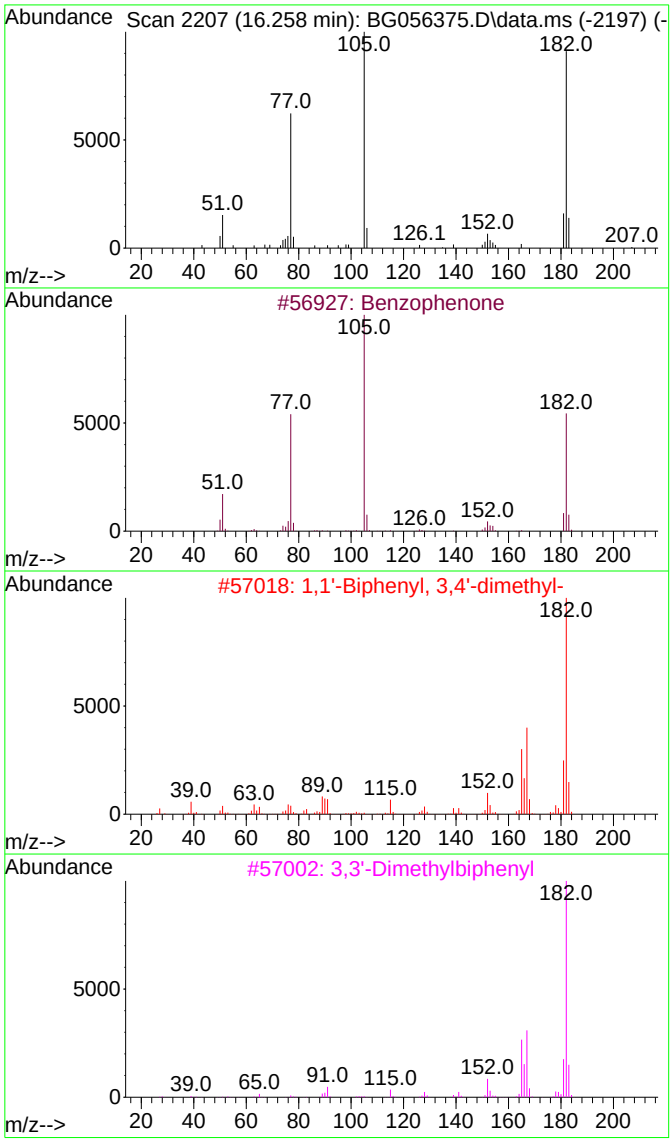
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

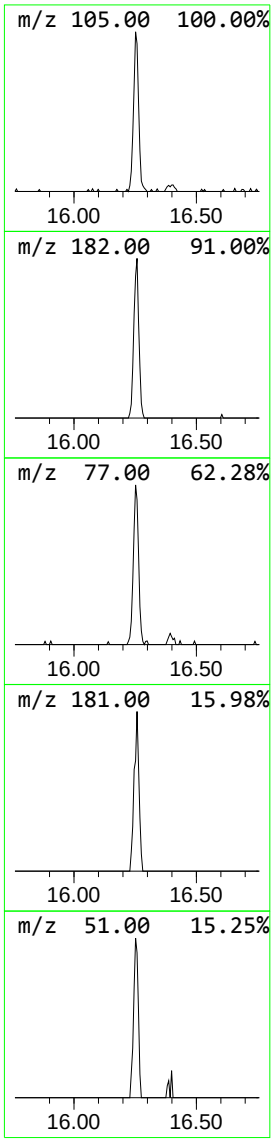
****

Peak Number 2 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.258	2.69 ng	70581	Acenaphthene-d10	14.918

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	91
2	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	43
4	2,4,6-Trimethoxytoluene	182	C10H14O3	014107-97-2	43
5	Methyl benzilate	242	C15H14O3	000076-89-1	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056375.D
Acq On : 20 Jan 2023 20:09
Operator : CG/JU
Sample : 01232-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

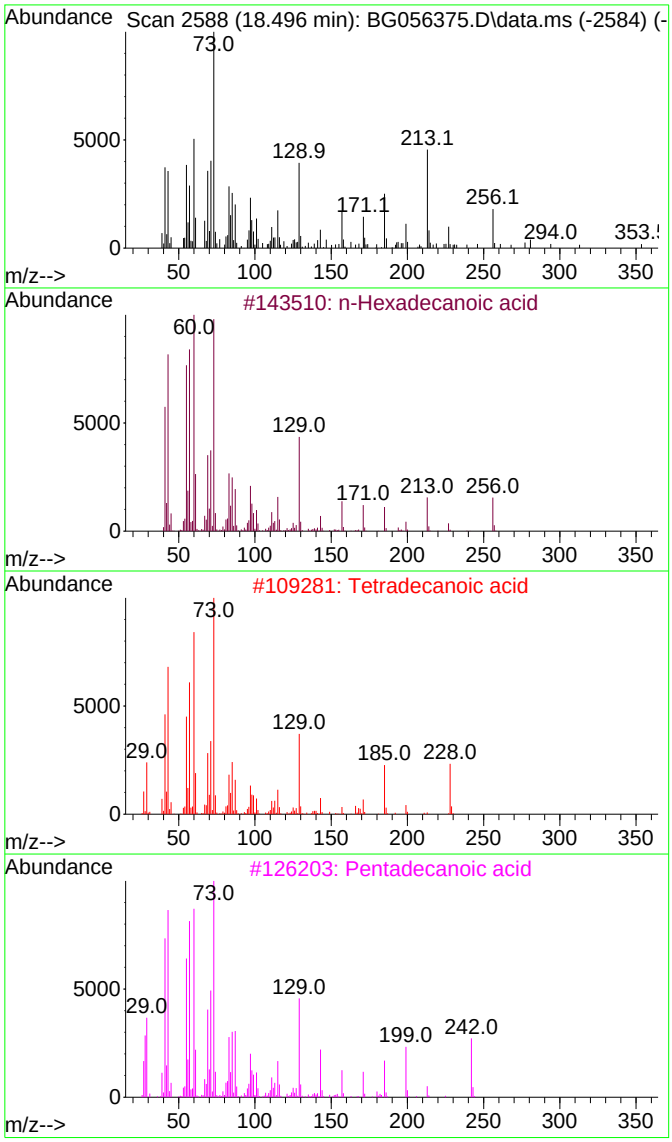
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

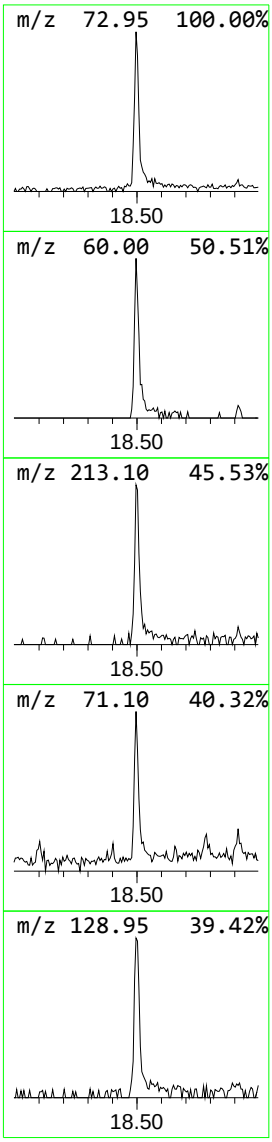
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.496	4.42 ng	144287	Phenanthrene-d10	17.656

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
4	Undecanoic acid	186	C11H22O2	000112-37-8	53
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056375.D
Acq On : 20 Jan 2023 20:09
Operator : CG/JU
Sample : 01232-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

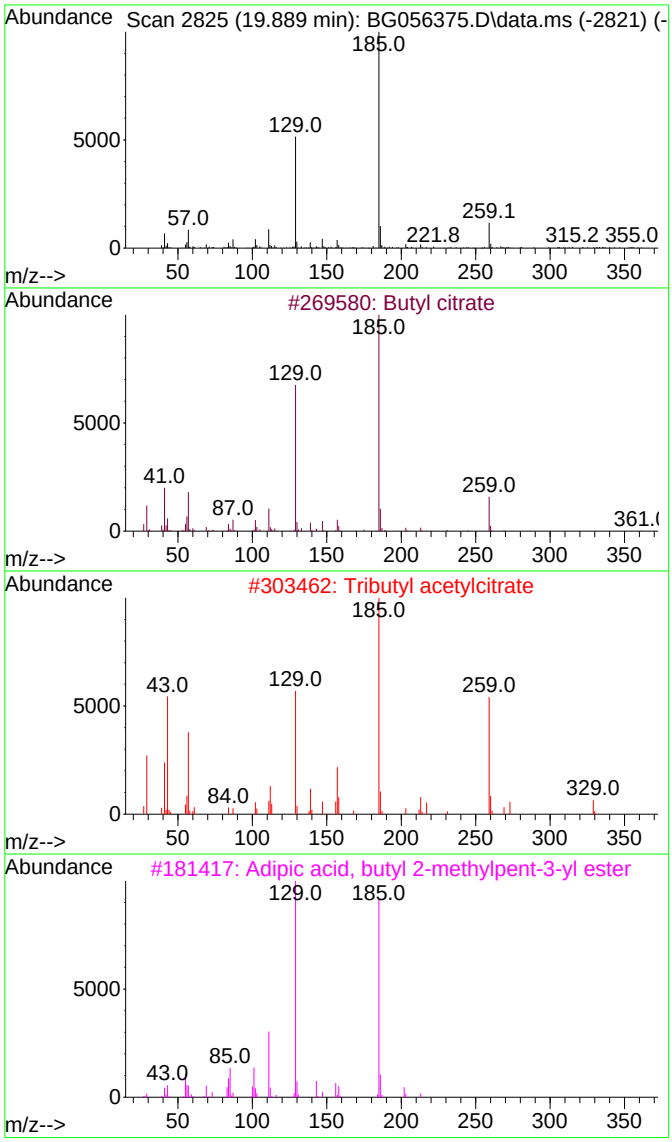
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

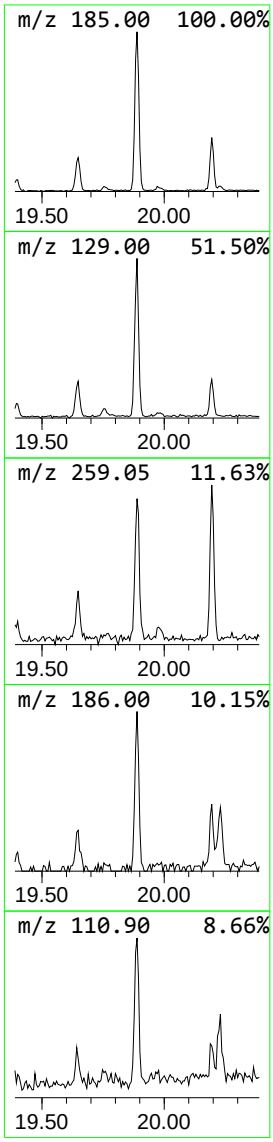
****

Peak Number 4 Butyl citrate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.889	5.64 ng	180912	Chrysene-d12	21.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl citrate	360	C18H32O7	000077-94-1	91
2	Tributyl acetylcitrate	402	C20H34O8	000077-90-7	78
3	Adipic acid, butyl 2-methylpent-...	286	C16H30O4	1010353-55-8	64
4	Adipic acid, butyl 2-decyl ester	342	C20H38O4	1000353-59-7	64
5	Adipic acid, isobutyl 2-octyl ester	314	C18H34O4	1000324-44-5	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056375.D
Acq On : 20 Jan 2023 20:09
Operator : CG/JU
Sample : 01232-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

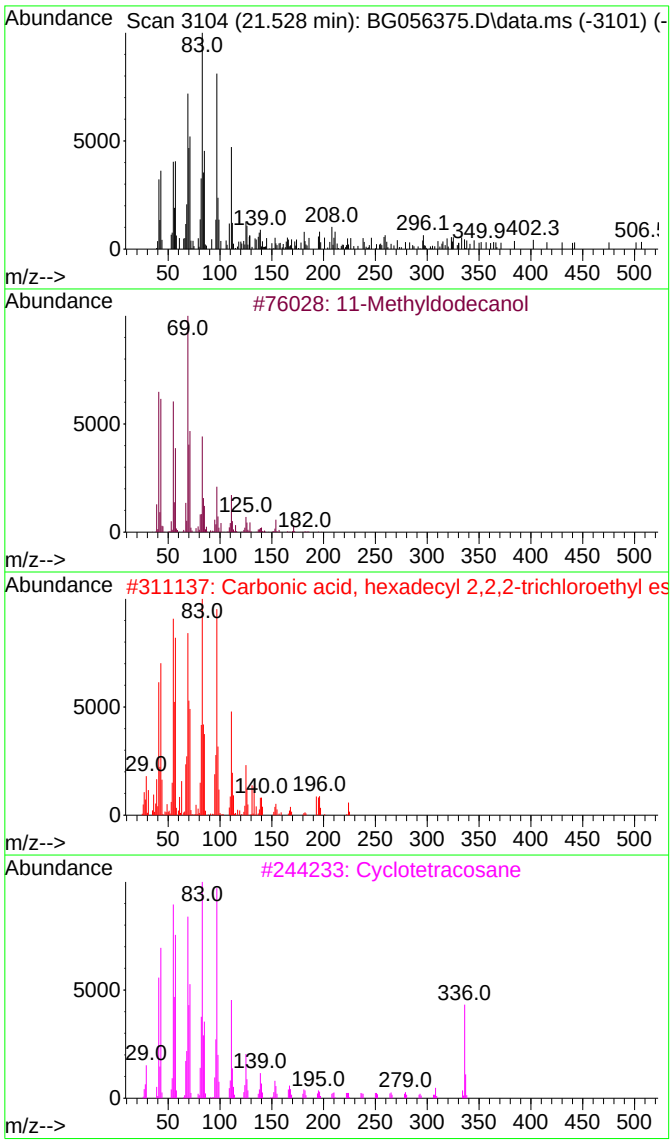
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

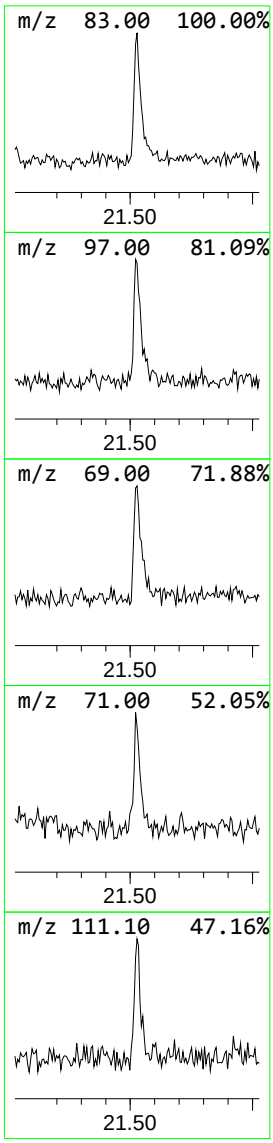
****

Peak Number 5 11-Methyldodecanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.528	3.56 ng	114017	Chrysene-d12	21.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Methyldodecanol	200	C13H28O	085763-57-1	74
2	Carbonic acid, hexadecyl 2,2,2-t...	416	C19H35Cl3O3	1000314-56-2	72
3	Cyclotetracosane	336	C24H48	000297-03-0	64
4	Cyclopentadecane	210	C15H30	000295-48-7	59
5	n-Pentadecanol	228	C15H32O	000629-76-5	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056375.D
Acq On : 20 Jan 2023 20:09
Operator : CG/JU
Sample : 01232-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.341	15.8	ng	186235	1	8.302	236440	20.0
Benzophenone	16.258	2.7	ng	70581	3	14.918	525006	20.0
n-Hexadecanoic ...	18.496	4.4	ng	144287	4	17.656	652855	20.0
Butyl citrate	19.889	5.6	ng	180912	5	21.945	641047	20.0
11-Methyldodecanol	21.528	3.6	ng	114017	5	21.945	641047	20.0

CHEMTECH

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_F Calibration Date(s): 01/19/2023 01/19/2023

Calibration Time(s): 11:21 15:11

LAB FILE ID: RRF2.5 = BF132140.D RRF005 = BF132141.D RRF010 = BF132142.D
RRF020 = BF132143.D RRF040 = BF132144.D RRF050 = BF132145.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.301	1.246	1.204	1.116	1.063	1.145	9.4
Benzaldehyde			1.086	1.022	0.903	0.814	0.927	13.3
Phenol-d6		1.696	1.541	1.516	1.404	1.325	1.441	10.5
Phenol		1.733	1.636	1.580	1.468	1.375	1.500	10.3
bis(2-Chloroethyl)ether		1.461	1.341	1.325	1.236	1.178	1.270	8.9
2-Chlorophenol		1.351	1.306	1.286	1.183	1.129	1.203	9.5
2-Methylphenol		1.172	1.098	1.104	1.042	0.990	1.054	7.1
2,2-oxybis(1-Chloropropane)		2.119	1.959	1.937	1.815	1.731	1.846	9.2
Acetophenone		0.579	0.528	0.504	0.462	0.431	0.481	12.2
3+4-Methylphenols		1.509	1.435	1.426	1.317	1.235	1.329	10.2
n-Nitroso-di-n-propylamine	0.922	1.015	0.971	0.921	0.847	0.797	0.883	9.9
Nitrobenzene-d5		0.363	0.366	0.383	0.383	0.371	0.376	2.5
Hexachloroethane		0.503	0.486	0.495	0.489	0.466	0.482	3.8
Nitrobenzene		0.397	0.392	0.410	0.406	0.388	0.399	2.2
Isophorone		0.767	0.740	0.738	0.719	0.711	0.737	2.5
2-Nitrophenol		0.099	0.105	0.128	0.148	0.154	0.127	19.5
2,4-Dimethylphenol		0.334	0.330	0.324	0.322	0.308	0.319	3.8
bis(2-Chloroethoxy)methane		0.497	0.471	0.461	0.430	0.407	0.442	8.0
2,4-Dichlorophenol		0.303	0.298	0.313	0.309	0.294	0.303	2.3
Naphthalene		1.185	1.119	1.075	0.998	0.942	1.027	9.9
4-Chloroaniline		0.496	0.474	0.458	0.437	0.411	0.440	8.7
Hexachlorobutadiene		0.252	0.234	0.234	0.227	0.220	0.231	4.7
Caprolactam		0.075	0.081	0.086	0.090	0.089	0.086	6.6
4-Chloro-3-methylphenol		0.299	0.305	0.314	0.309	0.305	0.305	1.8
2-Methylnaphthalene		0.828	0.783	0.739	0.684	0.643	0.707	11.0
Hexachlorocyclopentadiene			0.306	0.342	0.390	0.389	0.380	12.4
2,4,6-Trichlorophenol		0.392	0.414	0.445	0.448	0.437	0.432	5.0
2-Fluorobiphenyl		1.669	1.529	1.407	1.250	1.162	1.369	14.8
2,4,5-Trichlorophenol		0.475	0.487	0.519	0.523	0.504	0.505	3.7
1,1-Biphenyl		1.813	1.710	1.657	1.537	1.450	1.578	9.7
2-Chloronaphthalene		1.372	1.294	1.270	1.195	1.131	1.220	7.8
2-Nitroaniline		0.245	0.288	0.354	0.380	0.391	0.351	17.4
Dimethylphthalate		1.562	1.520	1.519	1.435	1.369	1.449	6.0
Acenaphthylene		2.180	2.078	2.033	1.912	1.834	1.951	7.6
2,6-Dinitrotoluene		0.224	0.253	0.286	0.301	0.300	0.281	11.0
3-Nitroaniline		0.256	0.289	0.318	0.322	0.319	0.300	7.9

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_F Calibration Date(s): 01/19/2023 01/19/2023

Calibration Time(s): 11:21 15:11

LAB FILE ID: RRF2.5 = BF132140.D RRF005 = BF132141.D RRF010 = BF132142.D
RRF020 = BF132143.D RRF040 = BF132144.D RRF050 = BF132145.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Acenaphthene		1.315	1.269	1.214	1.141	1.085	1.174	8.0
2,4-Dinitrophenol			0.078	0.097	0.111	0.124	0.108	19.9
4-Nitrophenol		0.172	0.191	0.221	0.232	0.242	0.218	12.2
Dibenzofuran		2.079	1.971	1.883	1.771	1.692	1.814	9.4
2,4-Dinitrotoluene		0.266	0.281	0.340	0.355	0.372	0.337	13.5
Diethylphthalate		1.495	1.493	1.485	1.423	1.389	1.420	5.4
4-Chlorophenyl-phenylether		0.838	0.783	0.750	0.704	0.664	0.720	10.4
Fluorene		1.619	1.504	1.416	1.282	1.219	1.344	12.9
4-Nitroaniline		0.258	0.275	0.293	0.282	0.290	0.279	4.1
4,6-Dinitro-2-methylphenol			0.058	0.072	0.085	0.094	0.087	22.3
n-Nitrosodiphenylamine		0.705	0.681	0.655	0.614	0.598	0.641	6.5
2,4,6-Tribromophenol		0.197	0.207	0.222	0.221	0.217	0.214	4.2
4-Bromophenyl-phenylether		0.260	0.253	0.247	0.237	0.230	0.244	4.2
Hexachlorobenzene		0.260	0.248	0.243	0.235	0.229	0.242	4.2
Atrazine		0.204	0.202	0.203	0.197	0.190	0.198	3.0
Pentachlorophenol		0.123	0.136	0.156	0.162	0.167	0.156	12.5
Phenanthrene		1.231	1.134	1.083	0.997	0.960	1.050	10.0
Anthracene		1.244	1.150	1.104	1.007	0.965	1.062	10.1
Carbazole		1.046	0.997	0.952	0.865	0.829	0.907	10.1
Di-n-butylphthalate		1.021	1.052	1.071	0.990	0.977	1.010	4.1
Fluoranthene		1.297	1.190	1.123	1.008	0.979	1.078	12.0
Pyrene		1.905	1.890	1.961	1.847	1.820	1.843	5.4
Terphenyl-d14		1.378	1.298	1.274	1.157	1.116	1.194	10.7
Butylbenzylphthalate		0.360	0.428	0.535	0.582	0.598	0.534	19.0
3,3-Dichlorobenzidine		0.310	0.345	0.403	0.422	0.418	0.398	12.9
Benzo(a)anthracene		1.454	1.419	1.446	1.403	1.402	1.429	2.0
Chrysene		1.457	1.365	1.351	1.331	1.310	1.360	3.6
Bis(2-ethylhexyl)phthalate		0.472	0.547	0.691	0.768	0.788	0.705	20.4
Di-n-octyl phthalate			0.595	0.816	1.093	1.187	1.083	30.0
Benzo(b)fluoranthene		1.288	1.234	1.181	1.230	1.164	1.218	3.3
Benzo(k)fluoranthene		1.336	1.302	1.303	1.211	1.157	1.242	5.7
Benzo(a)pyrene		1.124	1.102	1.157	1.195	1.167	1.171	4.2
Indeno(1,2,3-cd)pyrene		1.093	1.197	1.461	1.579	1.556	1.451	15.2
Dibenzo(a,h)anthracene		0.926	1.009	1.215	1.294	1.249	1.184	12.9
Benzo(g,h,i)perylene		0.925	1.038	1.267	1.354	1.328	1.246	15.2
1,2,4,5-Tetrachlorobenzene		0.789	0.737	0.719	0.684	0.641	0.696	8.0

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_F Calibration Date(s): 01/19/2023 01/19/2023

Calibration Time(s): 11:21 15:11

LAB FILE ID: RRF2.5 = BF132140.D RRF005 = BF132141.D RRF010 = BF132142.D
RRF020 = BF132143.D RRF040 = BF132144.D RRF050 = BF132145.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
1,4-Dioxane		0.624	0.591	0.586	0.580	0.553	0.580	4.2
2,3,4,6-Tetrachlorophenol		0.344	0.366	0.400	0.405	0.393	0.384	5.8

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF011923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 20 00:50:42 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF132140.D 5 =BF132141.D 10 =BF132142.D 20 =BF132143.D 40 =BF132144.D 50 =BF132145.D 60 =BF132146.D 80 =BF1321
47.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.624	0.591	0.586	0.580	0.553	0.575	0.553	0.580	4.24
3)		Pyridine		1.663	1.539	1.599	1.567	1.496	1.554	1.480	1.557	3.98
4)		n-Nitrosodimet...		0.731	0.705	0.733	0.730	0.724	0.761	0.742	0.732	2.31
5)	S	2-Fluorophenol		1.301	1.246	1.204	1.116	1.063	1.077	1.009	1.145	9.35
6)		Aniline		2.241	2.090	2.044	1.937	1.865	1.940	1.857	1.996	6.91
7)	S	Phenol-d6		1.696	1.541	1.516	1.404	1.325	1.352	1.254	1.441	10.54
8)		2-Chlorophenol		1.351	1.306	1.286	1.183	1.129	1.136	1.034	1.203	9.50
9)		Benzaldehyde			1.086	1.022	0.903	0.814	0.812		0.927	13.33
10)	C	Phenol		1.733	1.636	1.580	1.468	1.375	1.408	1.303	1.500	10.29
11)		bis(2-Chloroet...		1.461	1.341	1.325	1.236	1.178	1.219	1.131	1.270	8.87
12)		1,3-Dichlorobe...		1.556	1.458	1.406	1.312	1.242	1.269	1.174	1.345	9.97
13)	C	1,4-Dichlorobe...		1.544	1.451	1.419	1.314	1.238	1.266	1.163	1.342	9.99
14)		1,2-Dichlorobe...		1.495	1.391	1.326	1.200	1.128	1.134	1.014	1.241	13.62
15)		Benzyl Alcohol		1.128	1.103	1.125	1.106	1.090	1.105	1.060	1.102	2.07
16)		2,2'-oxybis(1-...		2.119	1.959	1.937	1.815	1.731	1.743	1.617	1.846	9.20
17)		2-Methylphenol		1.172	1.098	1.104	1.042	0.990	1.019	0.955	1.054	7.08
18)		Hexachloroethane		0.503	0.486	0.495	0.489	0.466	0.485	0.449	0.482	3.82
19)	P	n-Nitroso-di-n...	0.922	1.015	0.971	0.921	0.847	0.797	0.814	0.776	0.883	9.86
20)		3+4-Methylphenols		1.509	1.435	1.426	1.317	1.235	1.258	1.119	1.328	10.25
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.579	0.528	0.504	0.462	0.431	0.442	0.419	0.481	12.18
23)	S	Nitrobenzene-d5		0.363	0.366	0.383	0.383	0.371	0.388	0.381	0.376	2.54
24)		Nitrobenzene		0.397	0.392	0.410	0.406	0.388	0.406	0.391	0.399	2.20
25)		Isophorone		0.767	0.740	0.738	0.719	0.711	0.739	0.743	0.737	2.45
26)	C	2-Nitrophenol		0.099	0.105	0.128	0.148	0.154			0.127	19.49
27)		2,4-Dimethylph...		0.334	0.330	0.324	0.322	0.308	0.313	0.300	0.319	3.82
28)		bis(2-Chloroet...		0.497	0.471	0.461	0.430	0.407	0.421	0.406	0.442	7.97
29)	C	2,4-Dichloroph...		0.303	0.298	0.313	0.309	0.294	0.305	0.296	0.303	2.28
30)		1,2,4-Trichlor...		0.388	0.360	0.355	0.338	0.320	0.328	0.316	0.344	7.49
31)		Naphthalene		1.185	1.119	1.075	0.998	0.942	0.965	0.907	1.027	9.89
32)		Benzoic acid			0.118	0.151	0.188	0.200	0.228	0.235	0.187	24.10
33)		4-Chloroaniline		0.496	0.474	0.458	0.437	0.411	0.410	0.390	0.440	8.72
34)	C	Hexachlorobuta...		0.252	0.234	0.234	0.227	0.220	0.230	0.220	0.231	4.75
35)		Caprolactam		0.075	0.081	0.086	0.090	0.089	0.090	0.089	0.086	6.65
36)	C	4-Chloro-3-met...		0.299	0.305	0.314	0.309	0.305	0.302	0.298	0.305	1.80
37)		2-Methylnaphth...		0.828	0.783	0.739	0.684	0.643	0.655	0.619	0.707	11.04
38)		1-Methylnaphth...		0.774	0.719	0.690	0.638	0.599	0.609	0.577	0.658	10.93

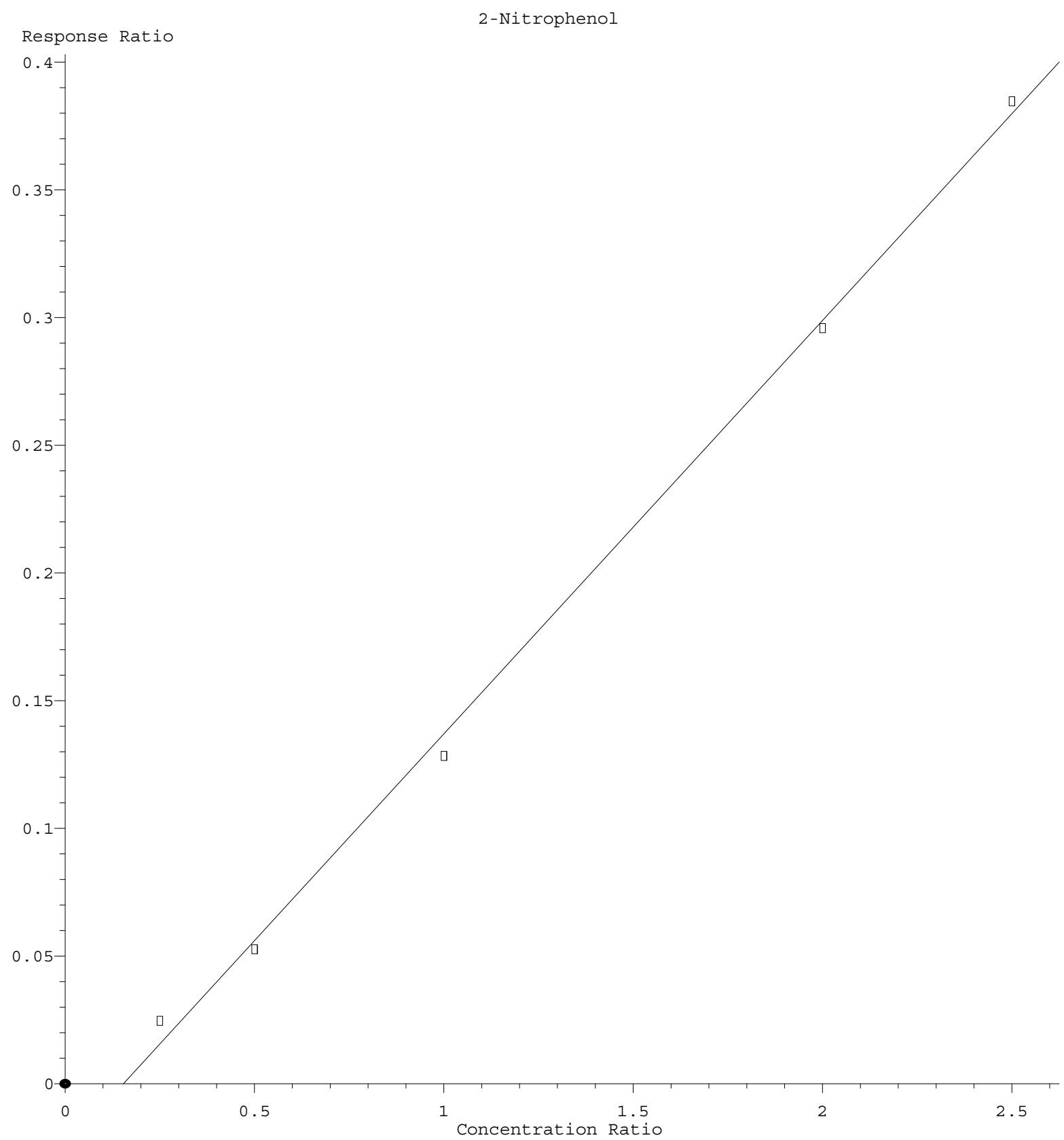
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF011923.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.789	0.737	0.719	0.684	0.641	0.667	0.634	0.696	8.04
41)	P	Hexachlorocycl...		0.306	0.342	0.390	0.389	0.422	0.428	0.380	12.43
42)	S	2,4,6-Tribromo...	0.197	0.207	0.222	0.221	0.217	0.219	0.212	0.214	4.25
43)	C	2,4,6-Trichlor...	0.392	0.414	0.445	0.448	0.437	0.451	0.436	0.432	4.95
44)		2,4,5-Trichlor...	0.475	0.487	0.519	0.523	0.504	0.524	0.504	0.505	3.69
45)	S	2-Fluorobiphenyl	1.669	1.529	1.407	1.250	1.162	1.197		1.369	14.76
46)		1,1'-Biphenyl	1.813	1.710	1.657	1.537	1.450	1.490	1.388	1.578	9.70
47)		2-Chloronaphth...	1.372	1.294	1.270	1.195	1.131	1.167	1.110	1.220	7.81
48)		2-Nitroaniline	0.245	0.288	0.354	0.380	0.391	0.405	0.395	0.351	17.42
49)		Acenaphthylene	2.180	2.078	2.033	1.912	1.834	1.851	1.771	1.951	7.63
50)		Dimethylphthalate	1.562	1.520	1.519	1.435	1.369	1.396	1.338	1.449	5.95
51)		2,6-Dinitrotol...	0.224	0.253	0.286	0.301	0.300	0.307	0.296	0.281	10.95
52)	C	Acenaphthene	1.315	1.269	1.214	1.141	1.085	1.123	1.070	1.174	8.01
53)		3-Nitroaniline	0.256	0.289	0.318	0.322	0.319	0.307	0.291	0.300	7.88
54)	P	2,4-Dinitrophenol		0.078	0.097	0.111	0.124	0.131		0.108	19.86
55)		Dibenzofuran	2.079	1.971	1.883	1.771	1.692	1.707	1.594	1.814	9.44
56)	P	4-Nitrophenol	0.172	0.191	0.221	0.232	0.242	0.239	0.233	0.218	12.18
57)		2,4-Dinitrotol...	0.266	0.281	0.340	0.355	0.372	0.379	0.366	0.337	13.46
58)		Fluorene	1.619	1.504	1.416	1.282	1.219	1.221	1.148	1.344	12.87
59)		2,3,4,6-Tetrac...	0.344	0.366	0.400	0.405	0.393	0.399	0.382	0.384	5.77
60)		Diethylphthalate	1.495	1.493	1.485	1.423	1.389	1.362	1.296	1.420	5.37
61)		4-Chlorophenyl...	0.838	0.783	0.750	0.704	0.664	0.673	0.625	0.720	10.37
62)		4-Nitroaniline	0.258	0.275	0.293	0.282	0.290	0.283	0.276	0.279	4.12
63)		Azobenzene	1.594	1.515	1.498	1.401	1.349	1.354	1.268	1.426	8.00
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.058	0.072	0.085	0.094	0.103	0.109	0.087	22.26
66)	c	n-Nitrosodiphe...	0.705	0.681	0.655	0.614	0.598	0.628	0.601	0.641	6.46
67)		4-Bromophenyl-...	0.260	0.253	0.247	0.237	0.230	0.244	0.236	0.244	4.25
68)		Hexachlorobenzene	0.260	0.248	0.243	0.235	0.229	0.242	0.237	0.242	4.22
69)		Atrazine	0.204	0.202	0.203	0.197	0.190	0.198	0.190	0.198	2.96
70)	C	Pentachlorophenol	0.123	0.136	0.156	0.162	0.167	0.174	0.172	0.156	12.45
71)		Phenanthrene	1.231	1.134	1.083	0.997	0.960	1.003	0.939	1.050	10.02
72)		Anthracene	1.244	1.150	1.104	1.007	0.965	1.006	0.956	1.062	10.15
73)		Carbazole	1.046	0.997	0.952	0.865	0.829	0.852	0.808	0.907	10.07
74)		Di-n-butylphth...	1.021	1.052	1.071	0.990	0.977	1.001	0.955	1.010	4.07
75)	C	Fluoranthene	1.297	1.190	1.123	1.008	0.979	1.002	0.949	1.078	11.96
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.607	0.635	0.615	0.682	0.569	0.574	0.521	0.600	8.60
78)		Pyrene	1.905	1.890	1.961	1.847	1.820	1.833	1.646	1.843	5.41
79)	S	Terphenyl-d14	1.378	1.298	1.274	1.157	1.116	1.127	1.007	1.194	10.71
80)		Butylbenzylpht...	0.360	0.428	0.535	0.582	0.598	0.624	0.612	0.534	19.03
81)		Benzo(a)anthra...	1.454	1.419	1.446	1.403	1.402	1.471	1.406	1.429	1.95
82)		3,3'-Dichlorob...	0.310	0.345	0.403	0.422	0.418	0.456	0.430	0.398	12.91
83)		Chrysene	1.457	1.365	1.351	1.331	1.310	1.380	1.325	1.360	3.62
84)		Bis(2-ethylhex...	0.472	0.547	0.691	0.768	0.788	0.841	0.830	0.705	20.44
85)	c	Di-n-octyl pht...		0.595	0.816	1.093	1.187	1.360	1.445	1.083	30.01#

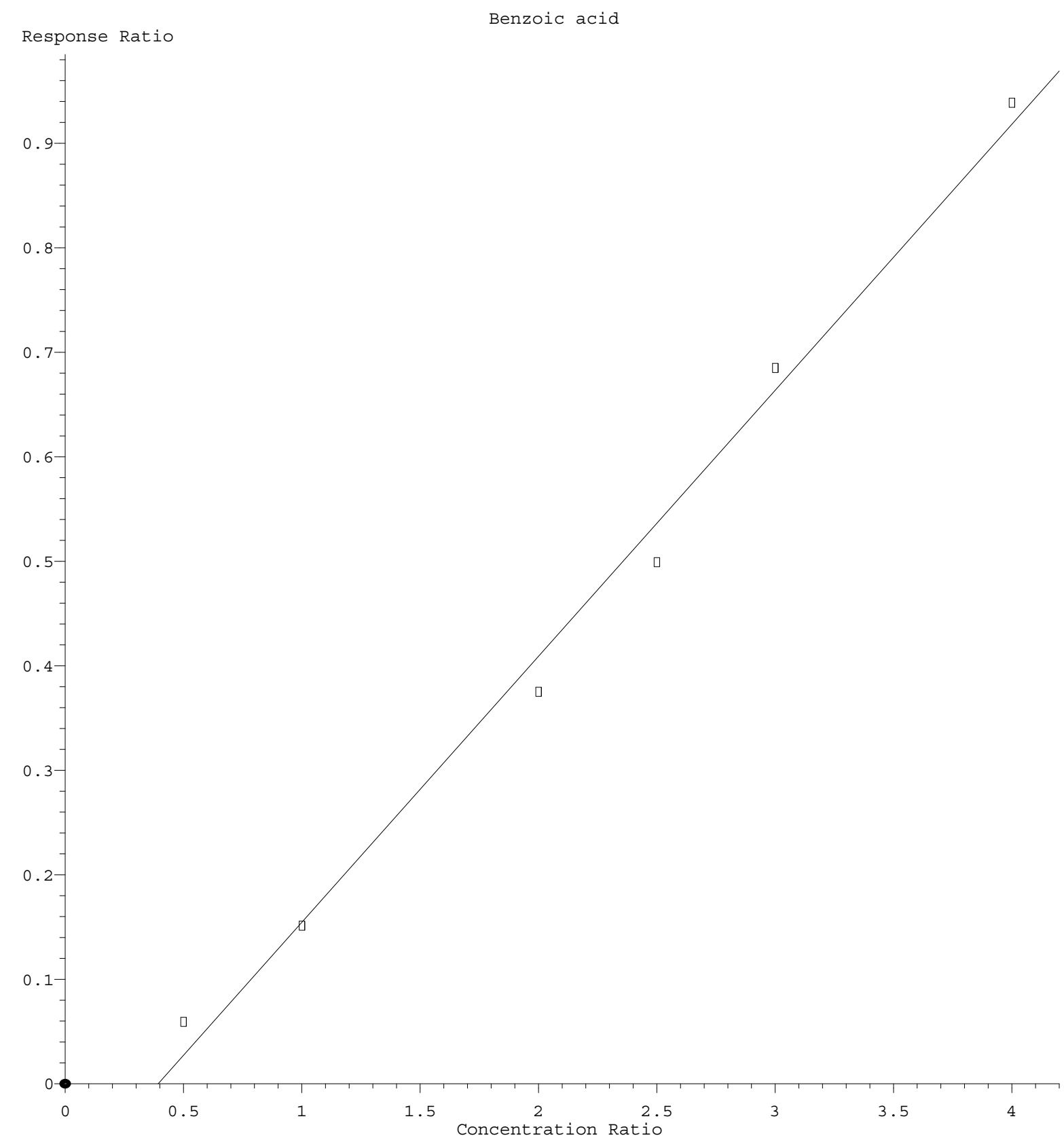
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF011923.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.093	1.197	1.461	1.579	1.556	1.661	1.613	1.451	15.17
88)		Benzo(b)fluora...	1.288	1.234	1.181	1.230	1.164	1.212	1.214	1.218	3.28
89)		Benzo(k)fluora...	1.336	1.302	1.303	1.211	1.157	1.208	1.177	1.242	5.66
90)	C	Benzo(a)pyrene	1.124	1.102	1.157	1.195	1.167	1.243	1.212	1.171	4.23
91)		Dibenzo(a,h)an...	0.926	1.009	1.215	1.294	1.249	1.323	1.268	1.184	12.94
92)		Benzo(g,h,i)pe...	0.925	1.038	1.267	1.354	1.328	1.422	1.385	1.246	15.21

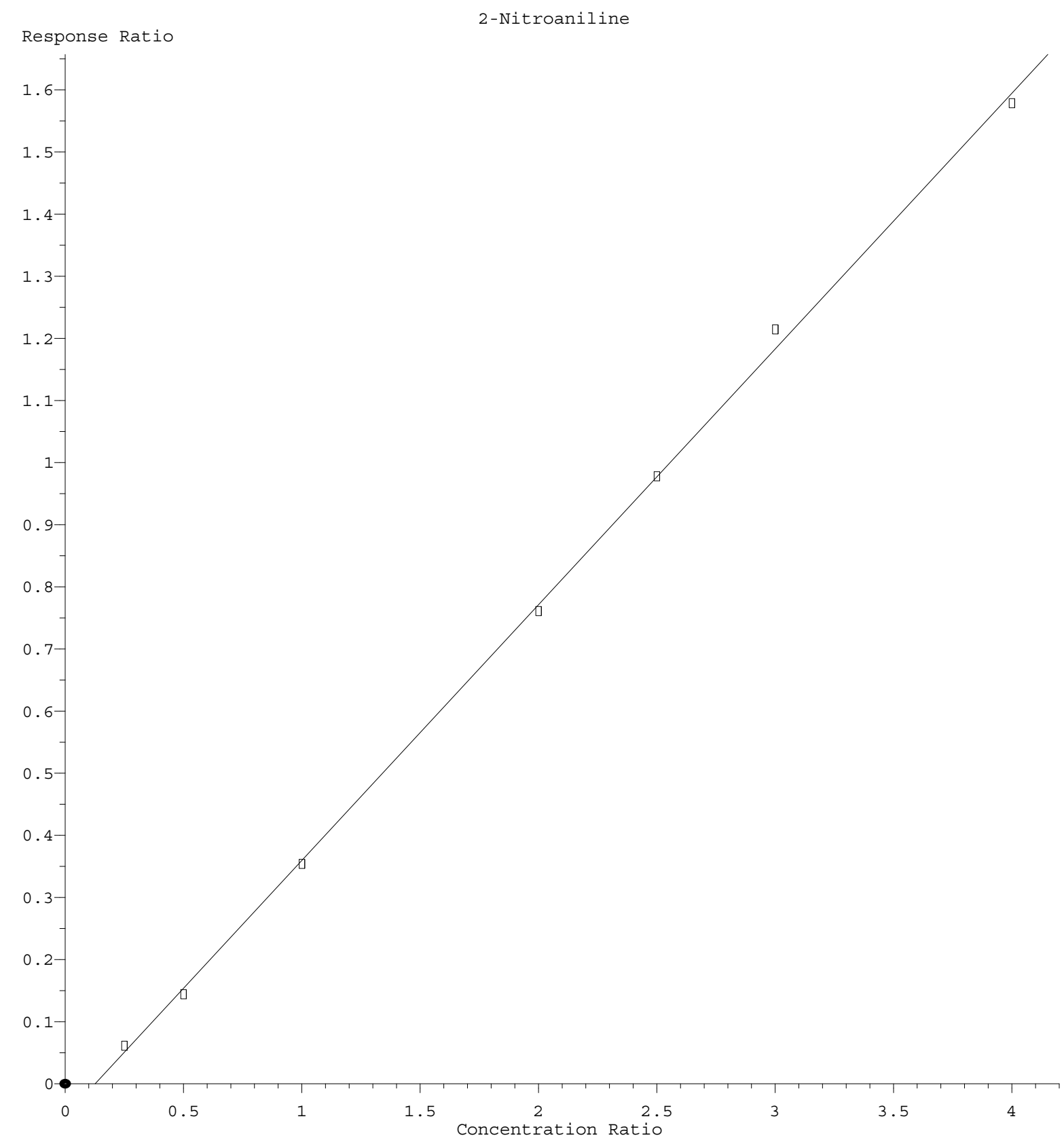
(#) = Out of Range



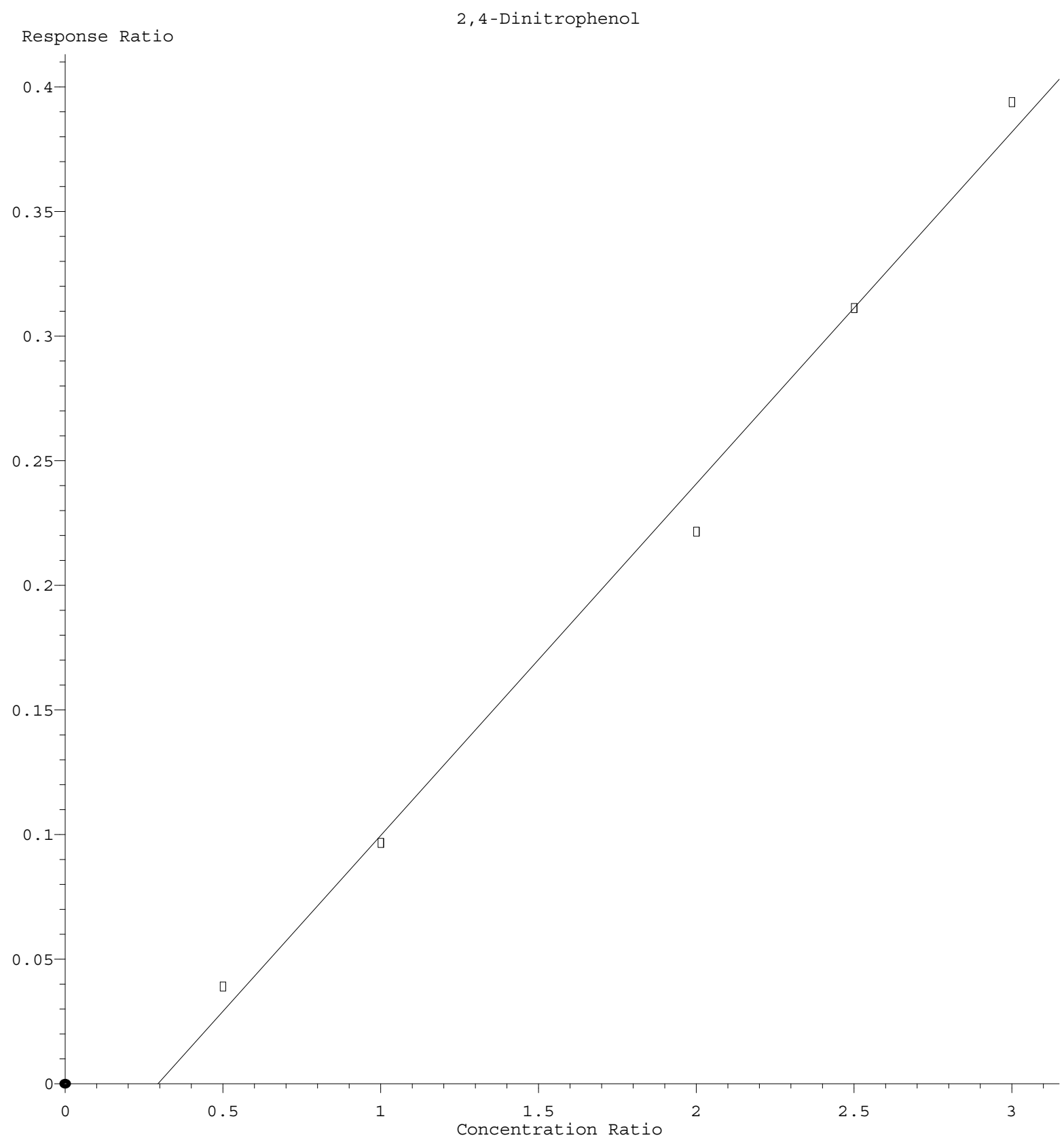
Response = 1.617e-001 * Amt - 2.493e-002
Coef of Det (r^2) = 0.997966 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF011923.M
Calibration Table Last Updated: Fri Jan 20 00:50:42 2023



Response = 2.545e-001 * Amt - 9.992e-002
Coef of Det (r^2) = 0.991816 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF011923.M
Calibration Table Last Updated: Fri Jan 20 00:50:42 2023

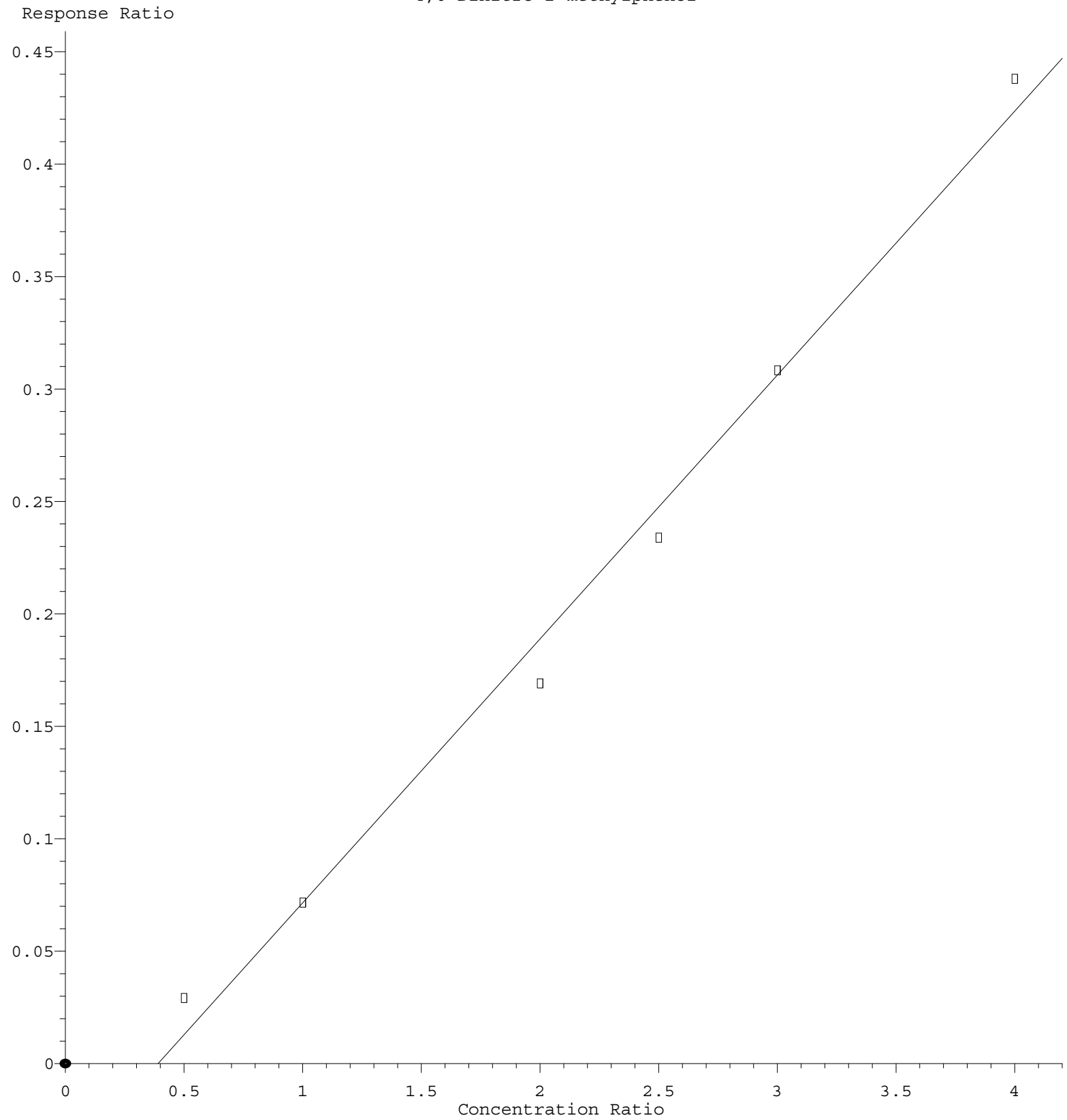


Response = 4.118e-001 * Amt - 5.219e-002
Coef of Det (r^2) = 0.999189 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF011923.M
Calibration Table Last Updated: Fri Jan 20 00:50:42 2023

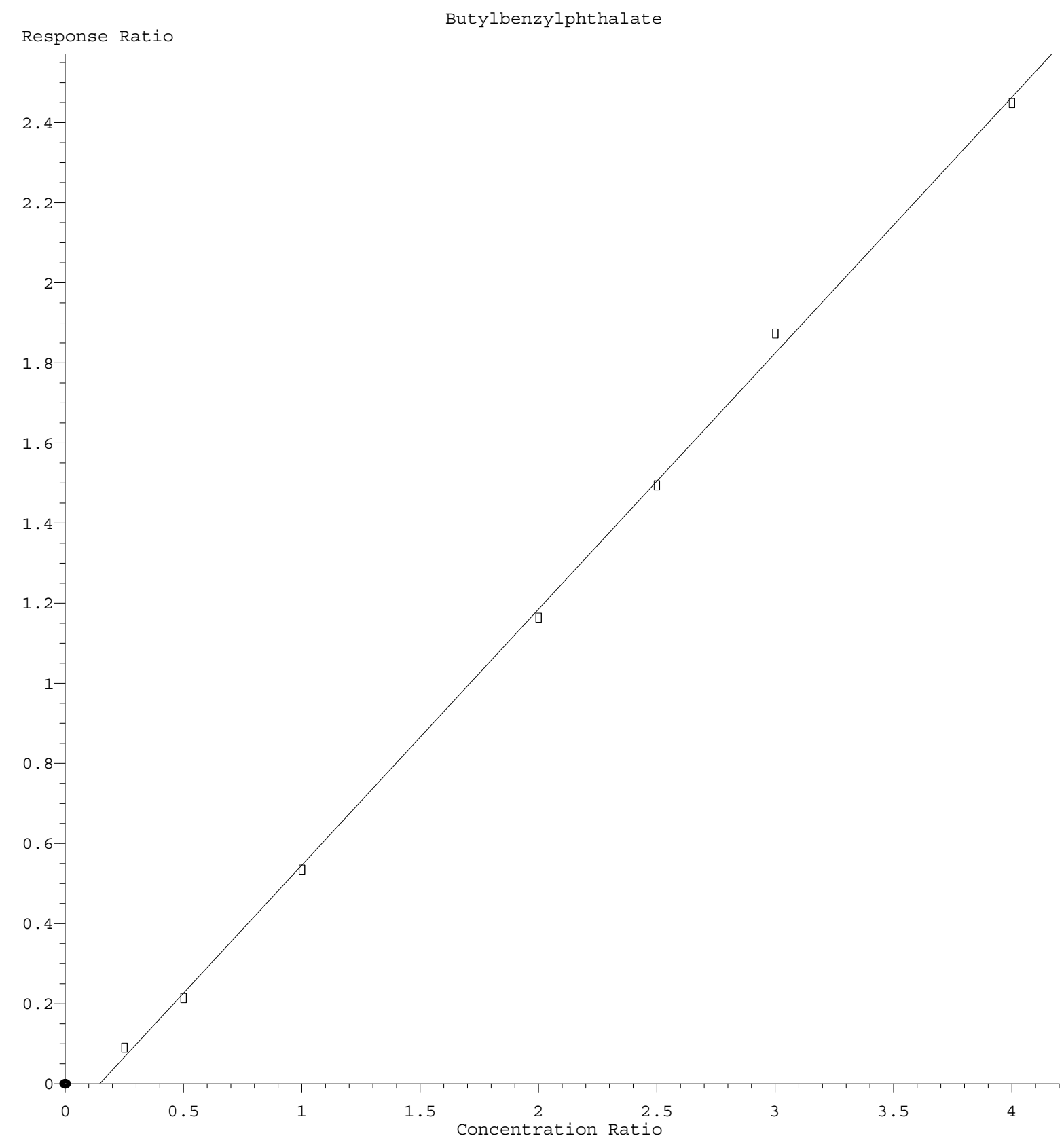


Response = 1.411e-001 * Amt - 4.154e-002
Coef of Det (r^2) = 0.992791 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF011923.M
Calibration Table Last Updated: Fri Jan 20 00:50:42 2023

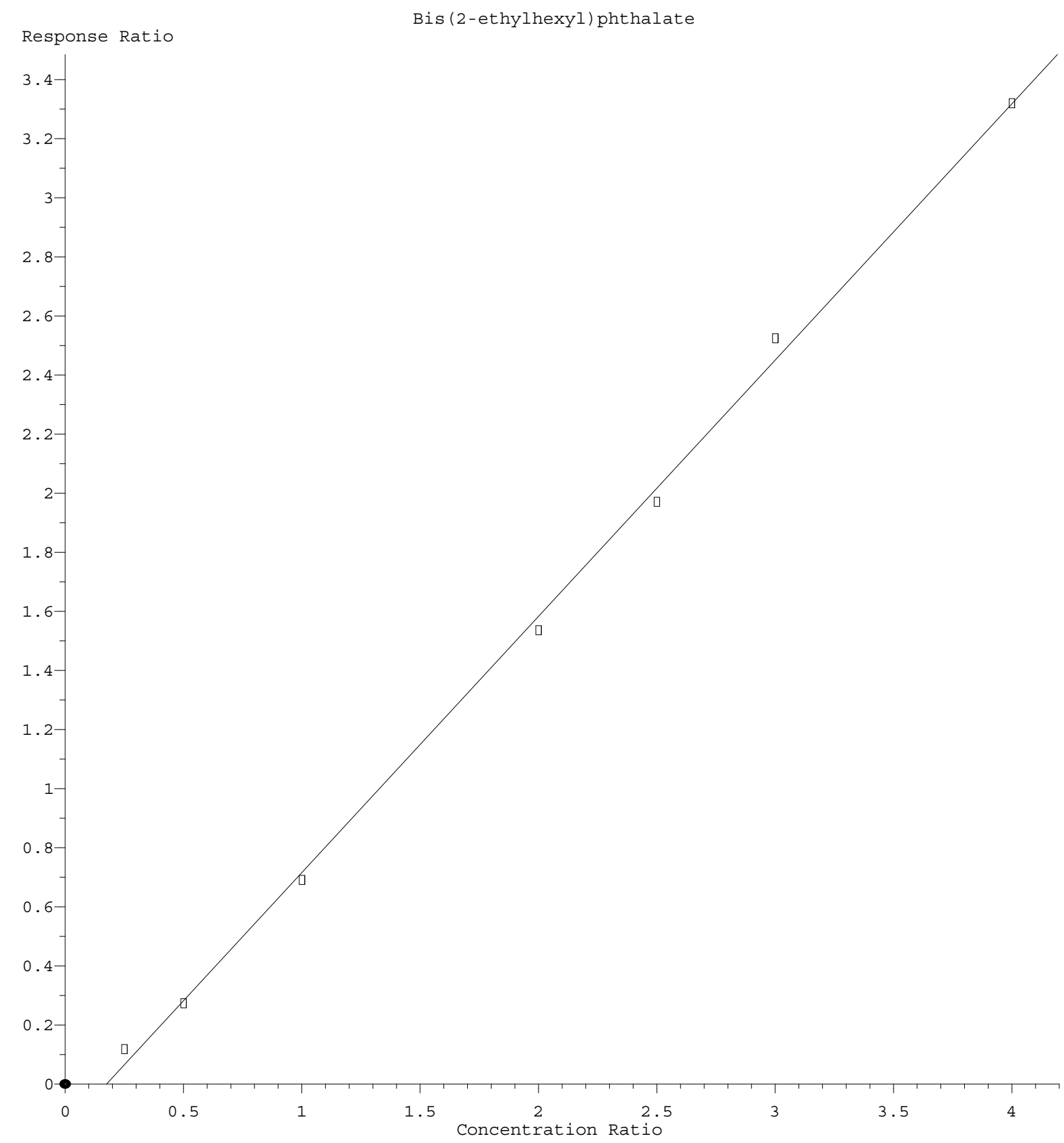
4,6-Dinitro-2-methylphenol



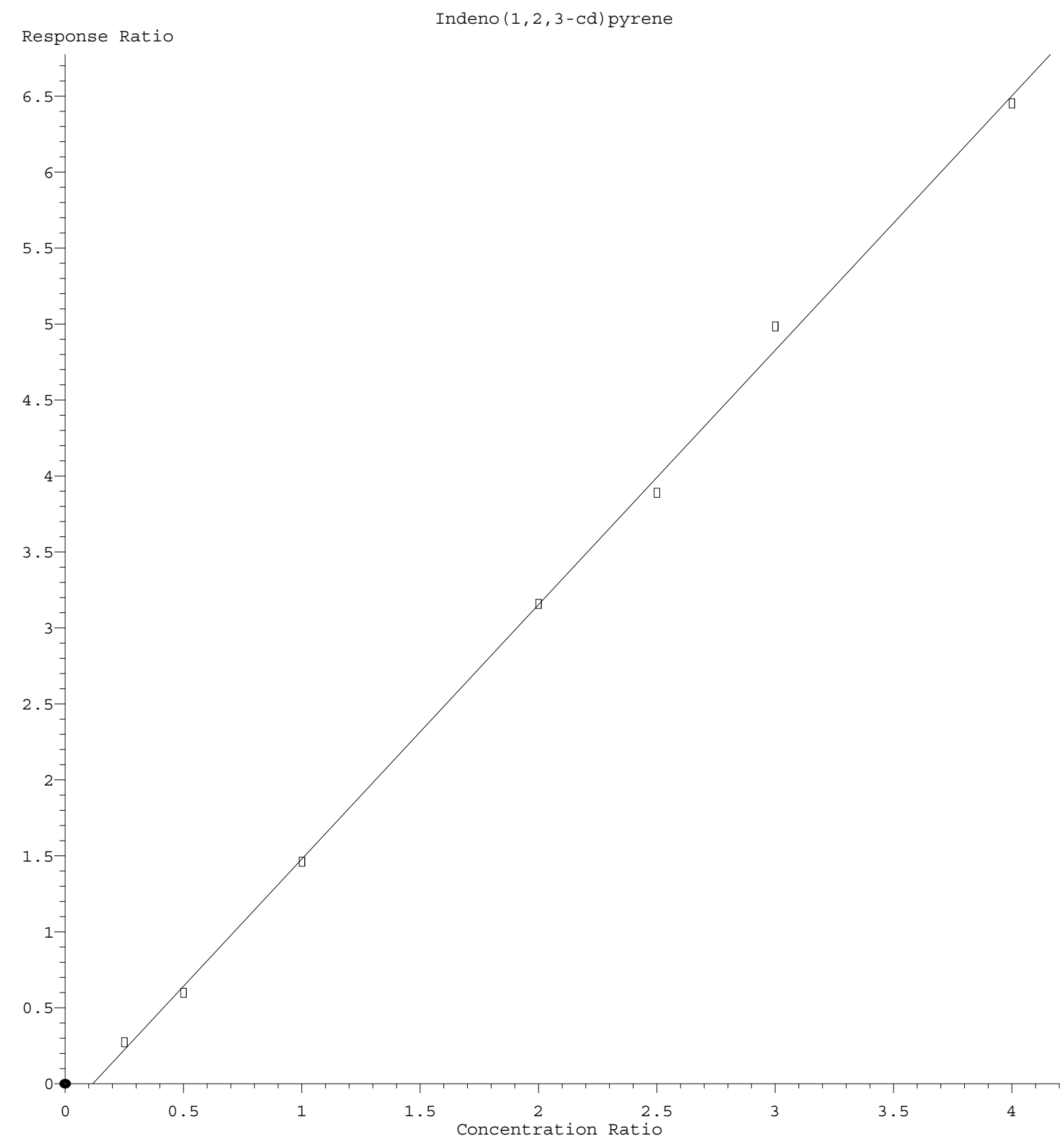
Response = 1.173e-001 * Amt - 4.581e-002
Coef of Det (r^2) = 0.990888 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF011923.M
Calibration Table Last Updated: Fri Jan 20 00:50:42 2023



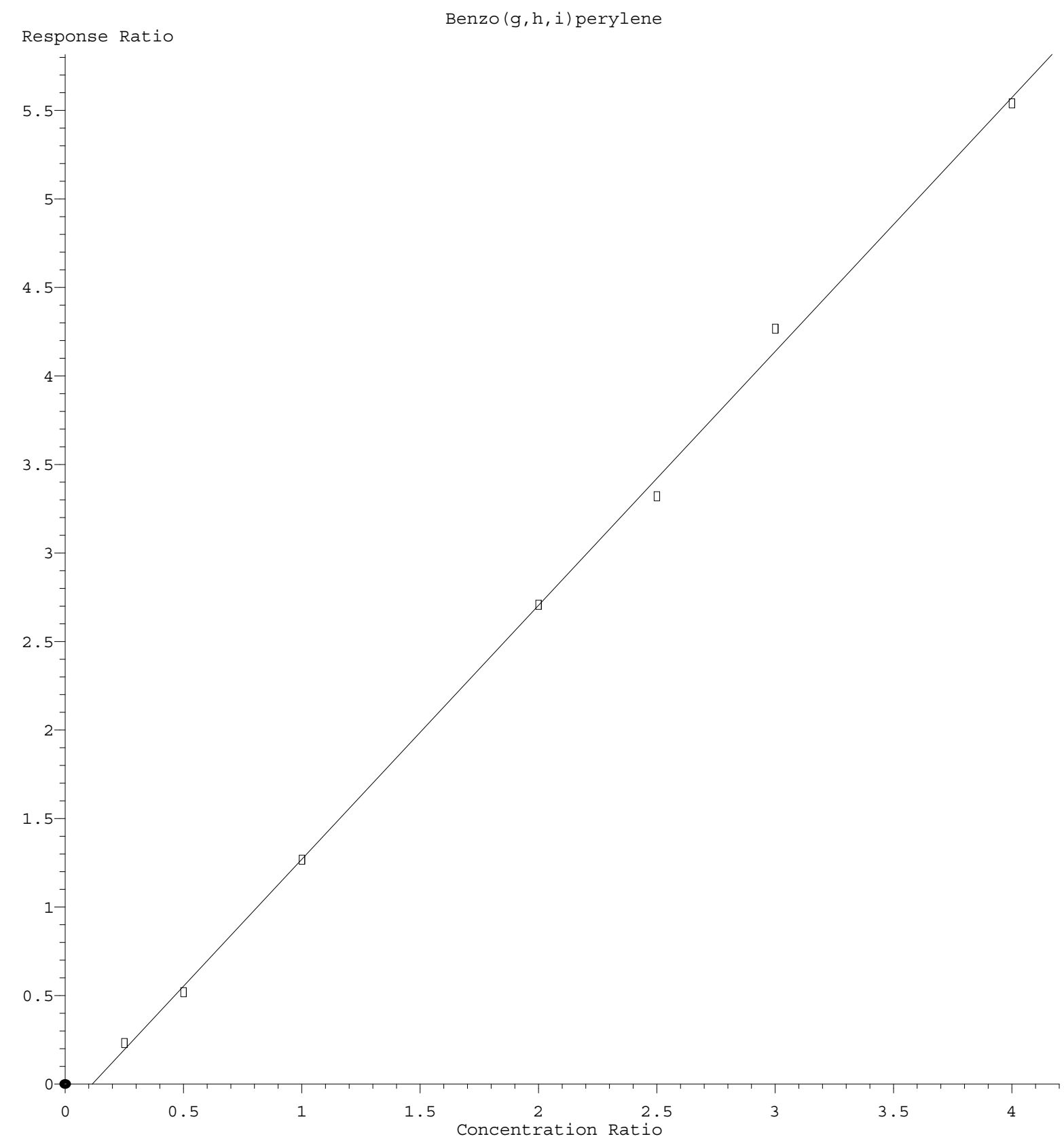
Response = 6.394e-001 * Amt - 9.337e-002
Coef of Det (r^2) = 0.999143 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF011923.M
Calibration Table Last Updated: Fri Jan 20 00:50:42 2023



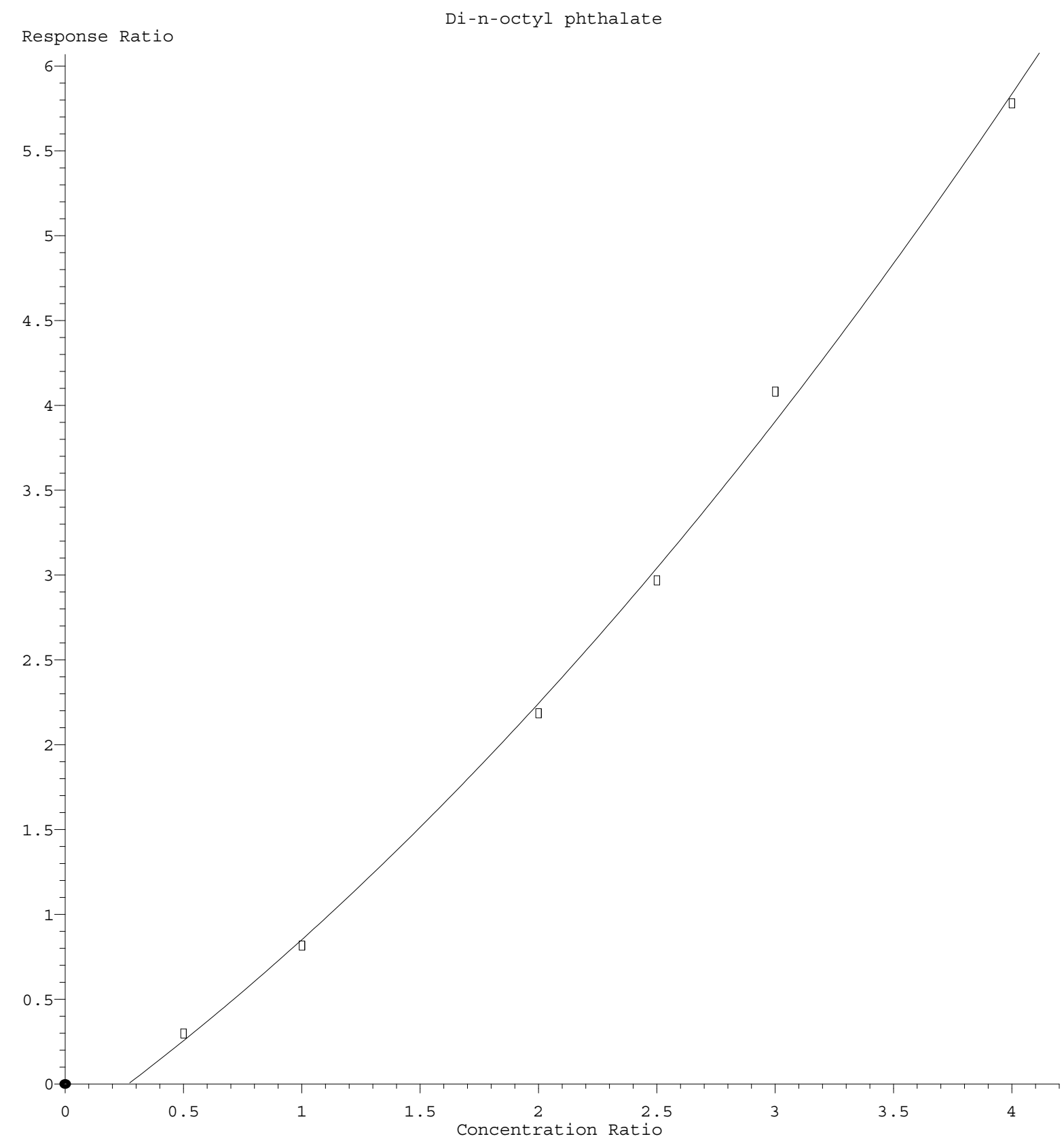
Response = 8.674e-001 * Amt - 1.515e-001
Coef of Det (r^2) = 0.998465 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF011923.M
Calibration Table Last Updated: Fri Jan 20 00:50:42 2023



Response = 1.674e+000 * Amt - 1.957e-001
Coef of Det (r^2) = 0.998700 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF011923.M
Calibration Table Last Updated: Fri Jan 20 00:50:42 2023



Response = 1.434e+000 * Amt - 1.648e-001
Coef of Det (r^2) = 0.998719 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF011923.M
Calibration Table Last Updated: Fri Jan 20 00:50:42 2023



R = 1.344e-001 A*A + 9.896e-001 A - 2.736e-001
Coef of Det (r^2) = 0.997826 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF011923.M
Calibration Table Last Updated: Fri Jan 20 00:50:42 2023

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132140.D
Acq On : 19 Jan 2023 11:21
Operator : CG\JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jan 20 00:09:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.089	152	195208	20.000	ng	0.00
21) Naphthalene-d8	8.378	136	704530	20.000	ng	0.00
39) Acenaphthene-d10	10.142	164	385356	20.000	ng	0.00
64) Phenanthrene-d10	11.642	188	760266	20.000	ng	0.00
76) Chrysene-d12	14.301	240	608530	20.000	ng	# 0.00
86) Perylene-d12	15.901	264	485191	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.484	70	22501	2.611	ng	95

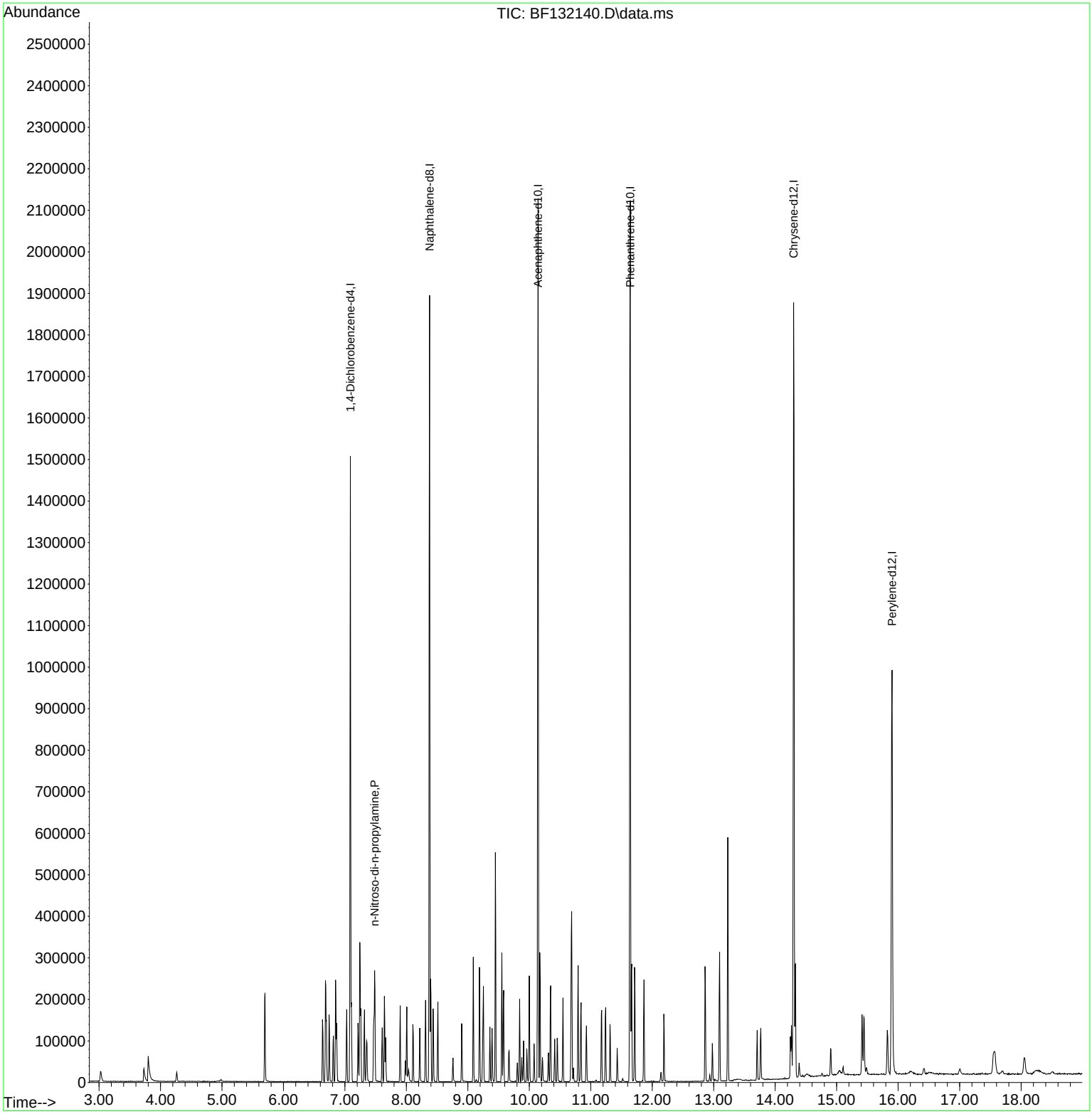
(#) = qualifier out of range (m) = manual integration (+) = signals summed

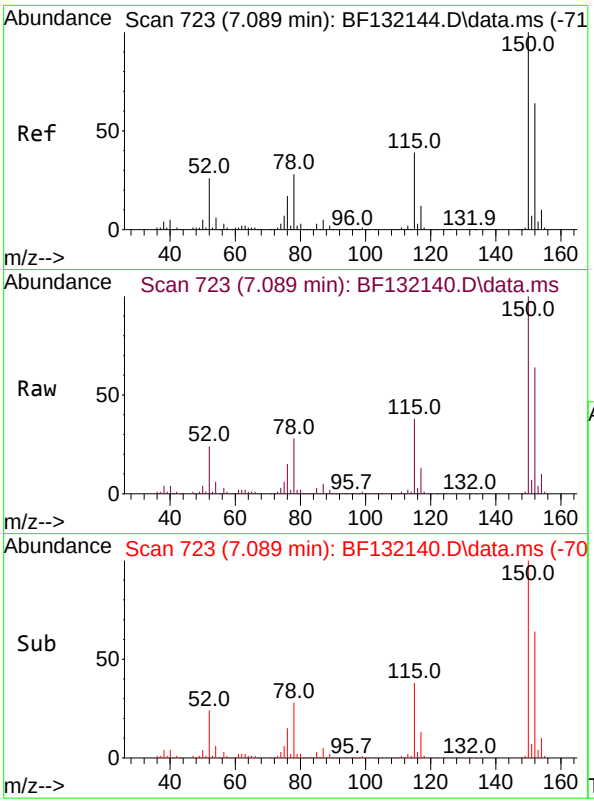
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132140.D
Acq On : 19 Jan 2023 11:21
Operator : CG\JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jan 20 00:09:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration



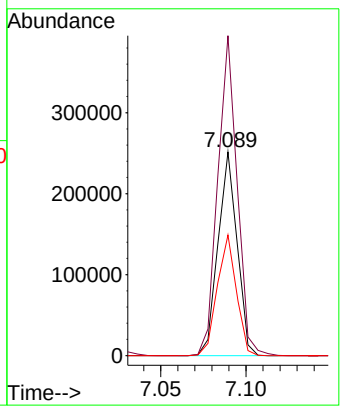


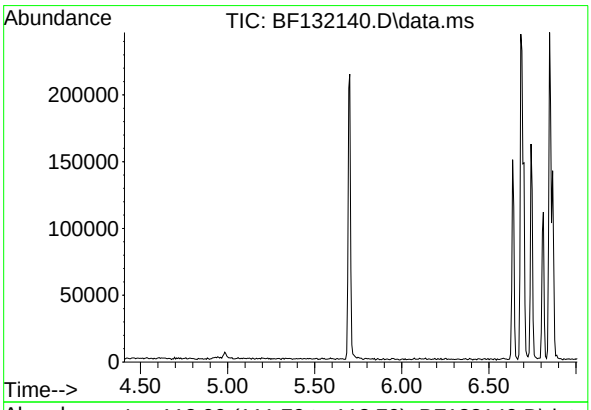
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.089 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132140.D
Acq: 19 Jan 2023 11:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 195208

Ion	Ratio	Lower	Upper
152	100		
150	157.2	125.8	188.8
115	59.2	49.2	73.8



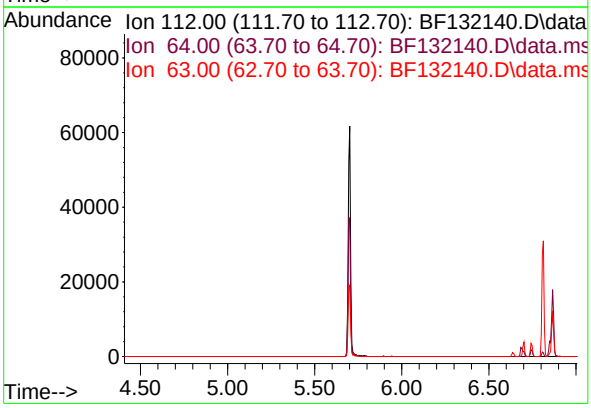


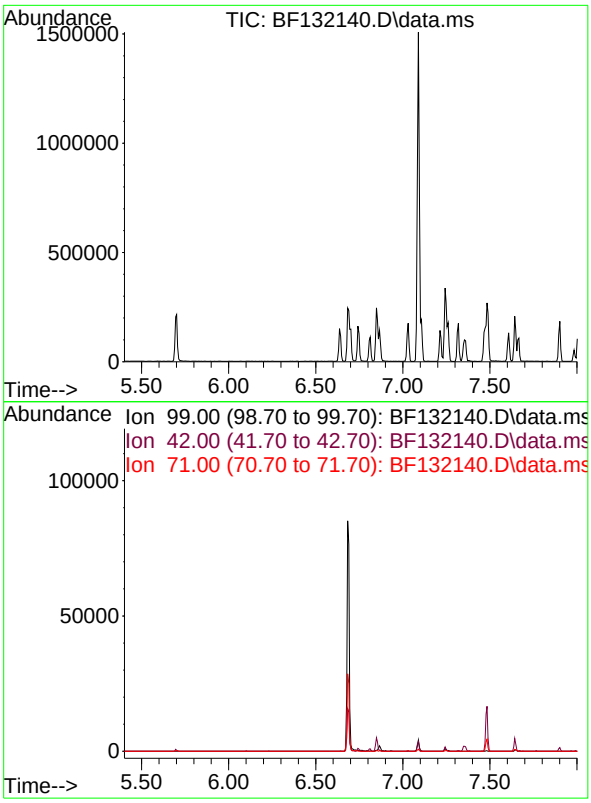
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.71 min

Lab File: BF132140.D
Acq: 19 Jan 2023 11:21

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	64.2
63	35.2





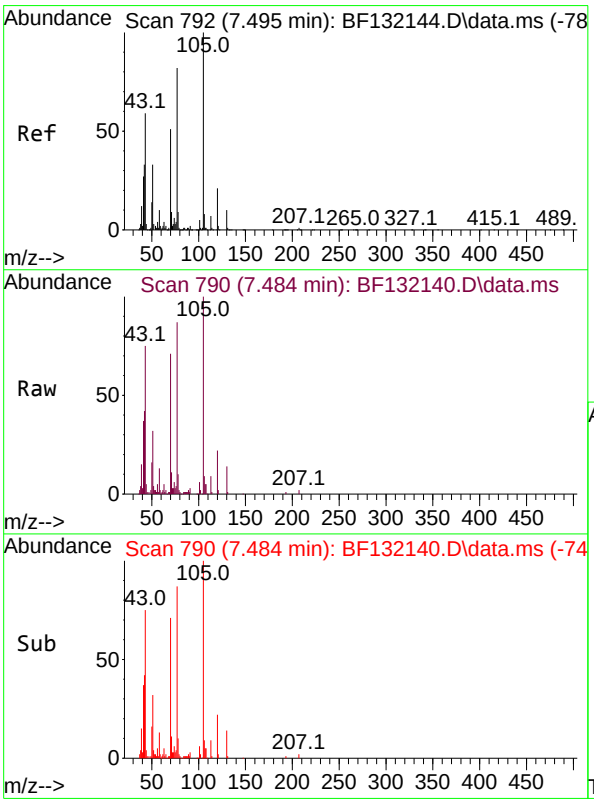
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.70 min

Lab File: BF132140.D
Acq: 19 Jan 2023 11:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

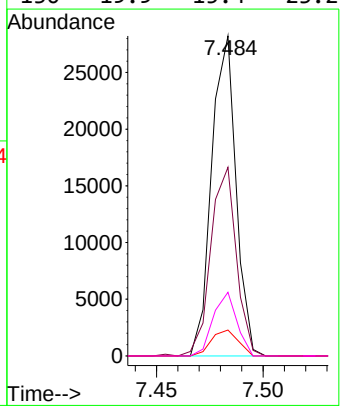
Sig	Exp Ratio
99	100
42	20.7
71	38.5

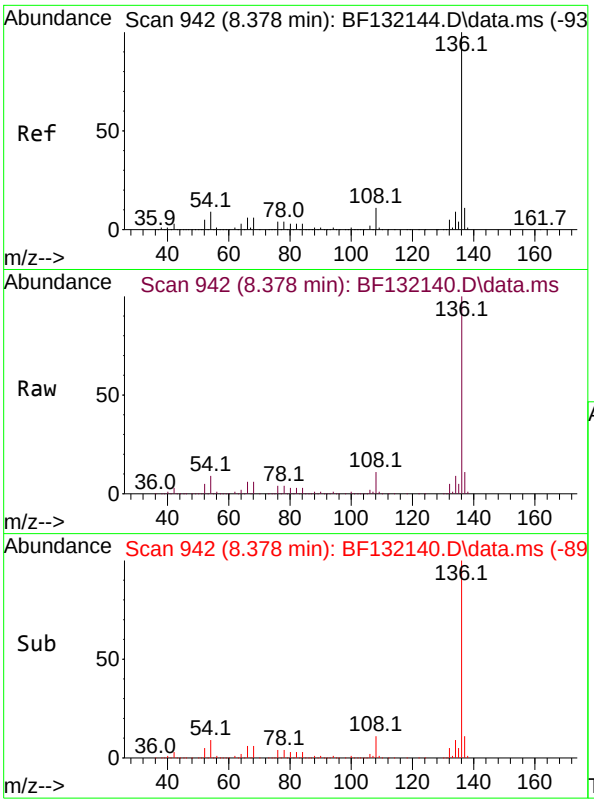


#19
n-Nitroso-di-n-propylamine
Concen: 2.611 ng
RT: 7.484 min Scan# 790
Delta R.T. -0.012 min
Lab File: BF132140.D
Acq: 19 Jan 2023 11:21

Tgt Ion: 70 Resp: 22501

Ion	Ratio	Lower	Upper
70	100		
42	58.9	51.0	76.4
101	8.1	7.3	10.9
130	19.9	15.4	23.2



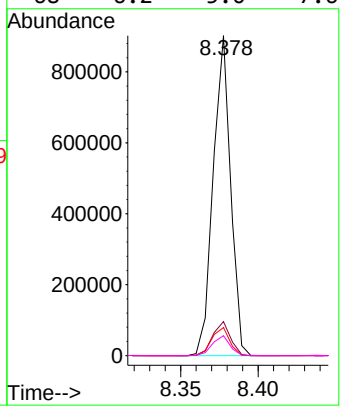


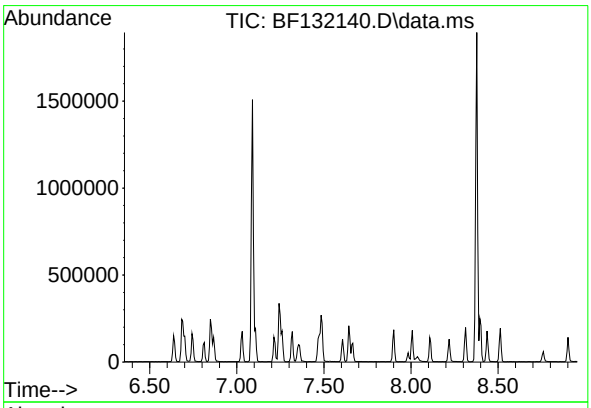
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.378 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF132140.D
Acq: 19 Jan 2023 11:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 704530

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	8.8	7.0	10.6
68	6.2	5.0	7.6



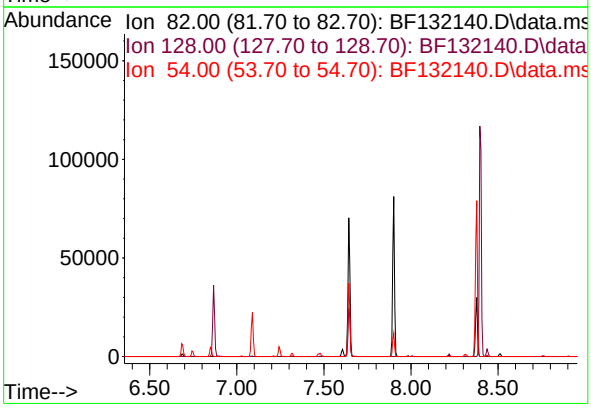


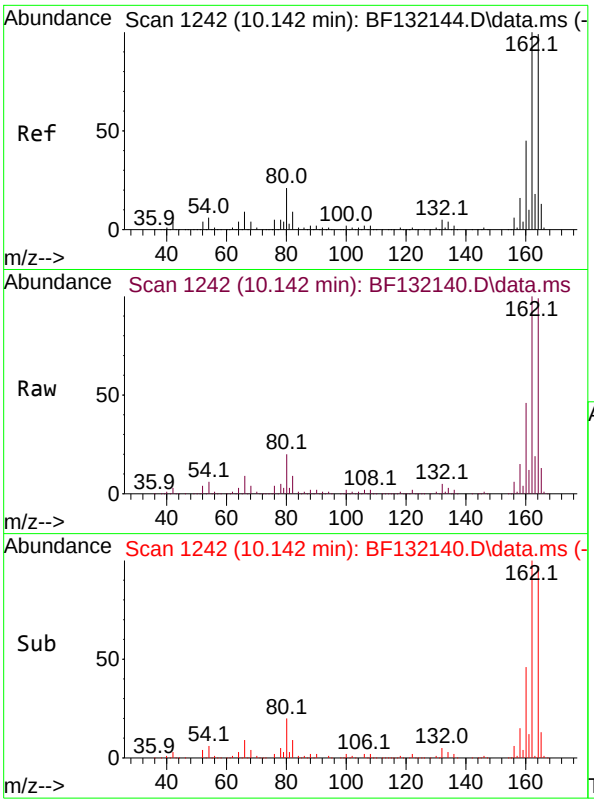
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.65 min

Lab File: BF132140.D
Acq: 19 Jan 2023 11:21

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	38.9
54	54.9



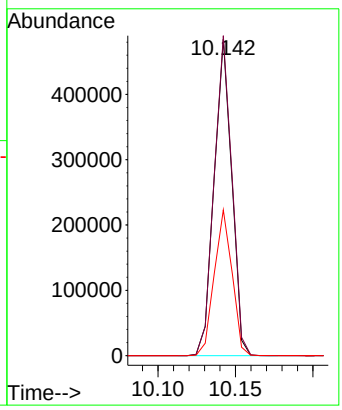


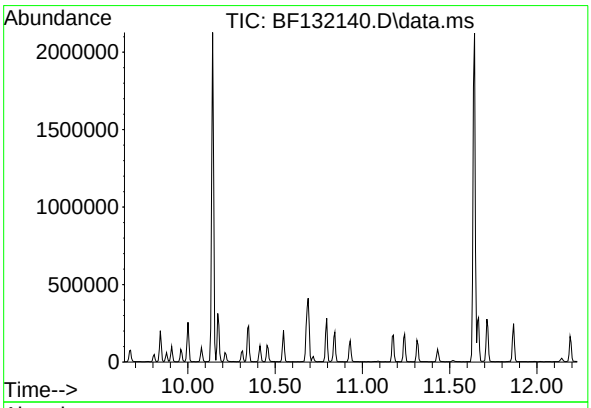
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.142 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132140.D
Acq: 19 Jan 2023 11:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 385356

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.2	121.8
160	46.1	36.9	55.3



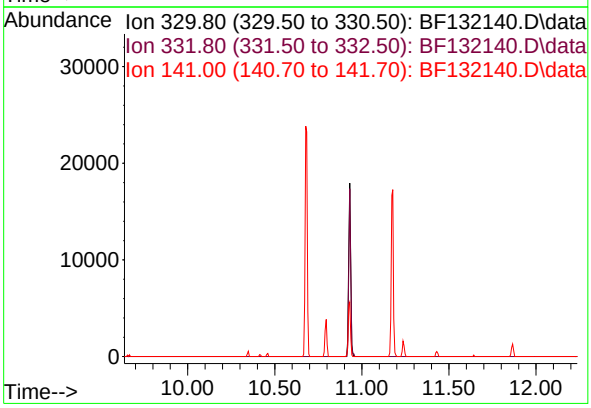


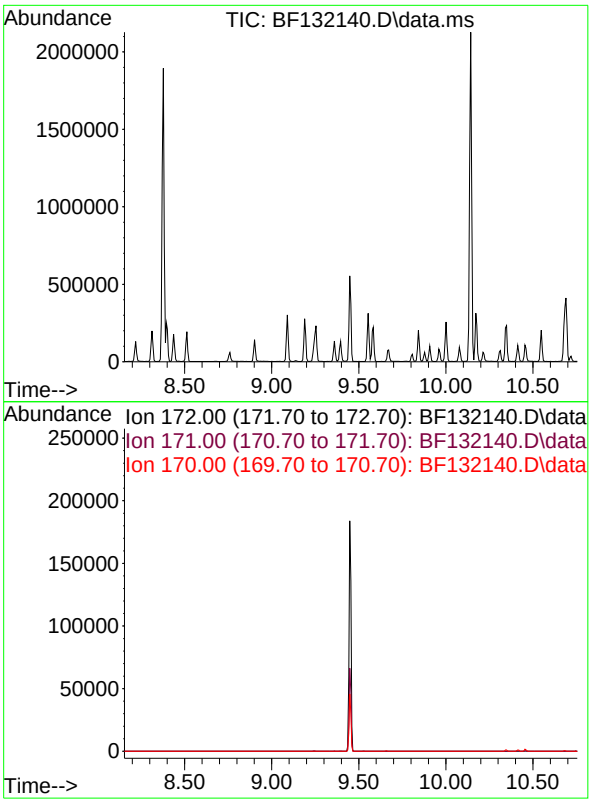
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.94 min

Lab File: BF132140.D
Acq: 19 Jan 2023 11:21

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	94.5
141	33.9





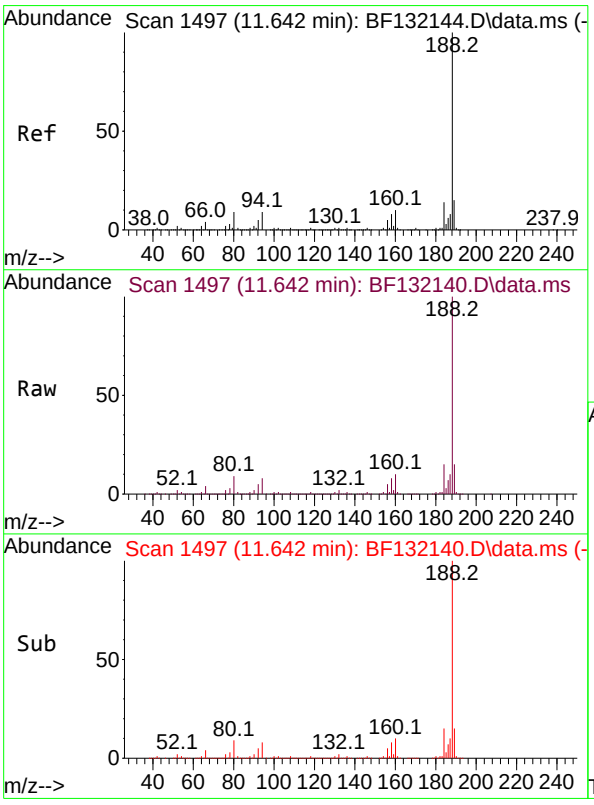
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.45 min

Lab File: BF132140.D
Acq: 19 Jan 2023 11:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

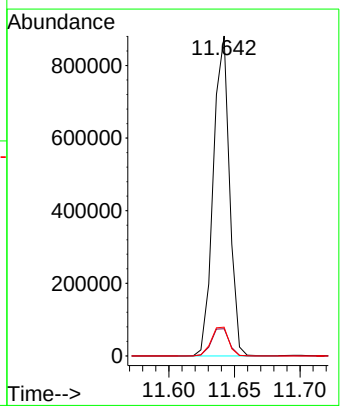
Sig	Exp Ratio
172	100
171	35.2
170	24.5

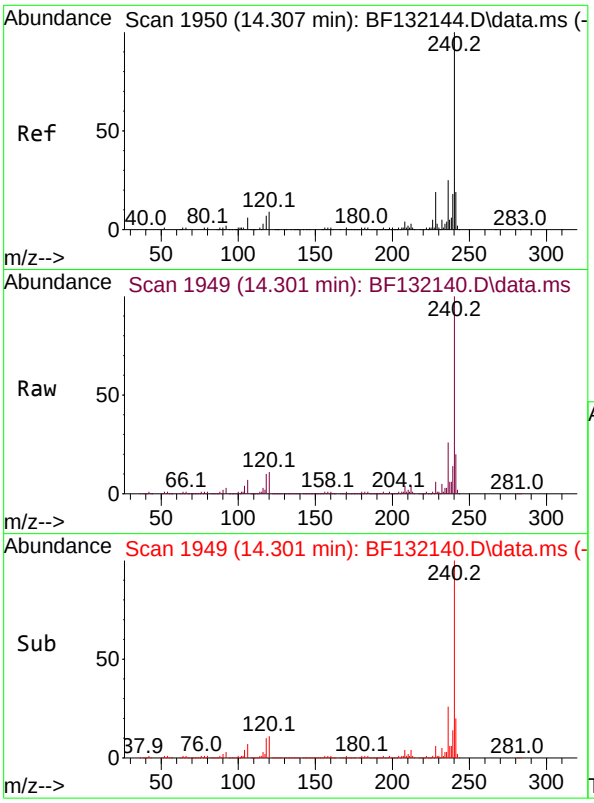


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.642 min Scan# 1497
Delta R.T. -0.000 min
Lab File: BF132140.D
Acq: 19 Jan 2023 11:21

Tgt Ion:188 Resp: 760266

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.9	10.3
80	9.0	7.5	11.3



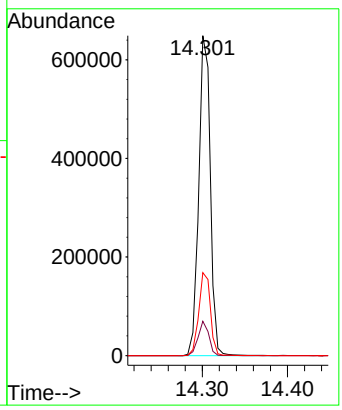


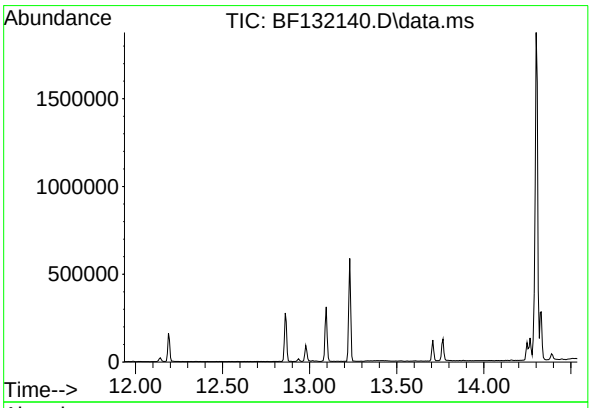
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.301 min Scan# 19
Delta R.T. -0.006 min
Lab File: BF132140.D
Acq: 19 Jan 2023 11:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 608530

Ion	Ratio	Lower	Upper
240	100		
120	10.7	6.9	10.3#
236	25.9	20.3	30.5



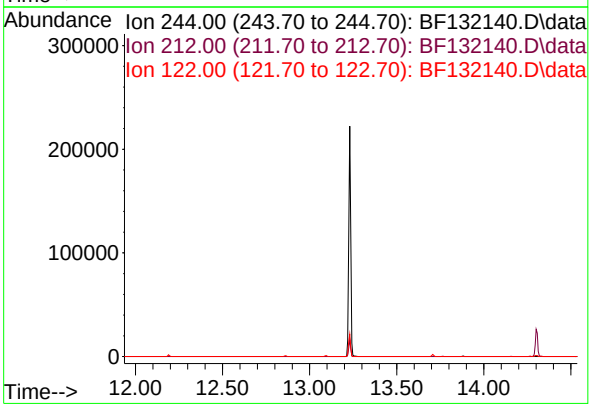


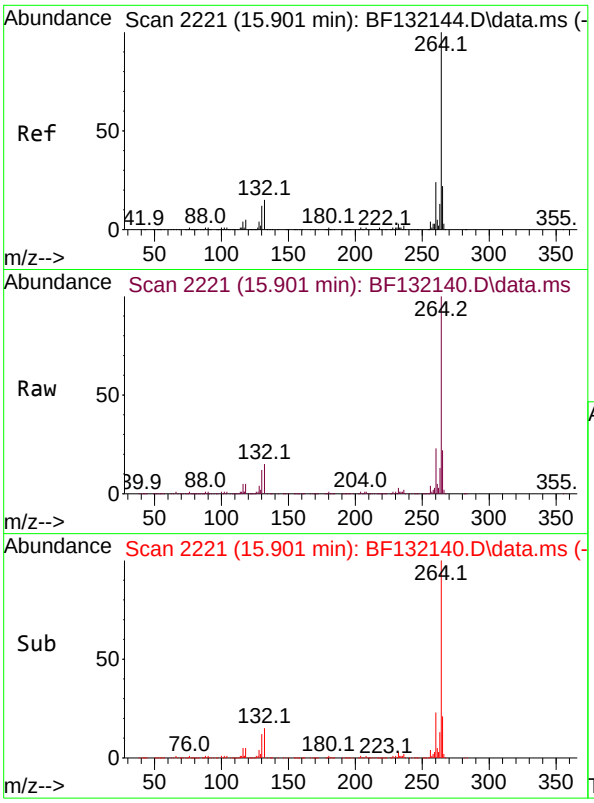
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.24 min

Lab File: BF132140.D
Acq: 19 Jan 2023 11:21

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	8.4
122	9.3



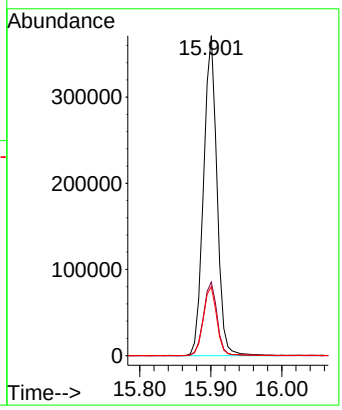


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.901 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF132140.D
Acq: 19 Jan 2023 11:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 485191

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.1	28.7
265	21.5	17.4	26.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132141.D
Acq On : 19 Jan 2023 11:53
Operator : CG\JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

Quant Time: Jan 20 00:09:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.090	152	182160	20.000	ng		0.00
21) Naphthalene-d8	8.378	136	648667	20.000	ng		0.00
39) Acenaphthene-d10	10.142	164	352490	20.000	ng		0.00
64) Phenanthrene-d10	11.642	188	687824	20.000	ng		0.00
76) Chrysene-d12	14.301	240	485083	20.000	ng		0.00
86) Perylene-d12	15.901	264	352188	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.701	112	118505	11.364	ng		0.00
7) Phenol-d6	6.690	99	154497	11.770	ng		-0.01
23) Nitrobenzene-d5	7.643	82	117730	9.642	ng		-0.01
42) 2,4,6-Tribromophenol	10.931	330	34791	9.240	ng		0.00
45) 2-Fluorobiphenyl	9.448	172	294189	13.062	ng		0.00
79) Terphenyl-d14	13.230	244	334255	11.543	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.019	88	28431	5.382	ng		98
3) Pyridine	3.784	79	75755	5.342	ng		97
4) n-Nitrosodimethylamine	3.725	42	33278	4.989	ng	#	99
6) Aniline	6.748	93	102038	5.590	ng		93
8) 2-Chlorophenol	6.866	128	61537	5.614	ng		98
10) Phenol	6.701	94	78903	5.774	ng		95
11) bis(2-Chloroethyl)ether	6.813	93	66549	5.753	ng		96
12) 1,3-Dichlorobenzene	7.031	146	70845	5.782	ng		94
13) 1,4-Dichlorobenzene	7.107	146	70326	5.752	ng		97
14) 1,2-Dichlorobenzene	7.260	146	68086	6.023	ng		97
15) Benzyl Alcohol	7.213	79	51349	5.045	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.354	45	96505	5.740	ng		98
17) 2-Methylphenol	7.319	107	53355	5.556	ng		94
18) Hexachloroethane	7.607	117	22916	5.222	ng		96
19) n-Nitroso-di-n-propyla...	7.484	70	46218	5.748	ng		94
20) 3+4-Methylphenols	7.472	107	68721	5.679	ng		96
22) Acetophenone	7.490	105	93901	6.023	ng	#	97
24) Nitrobenzene	7.666	77	64350	4.977	ng		95
25) Isophorone	7.901	82	124332	5.204	ng		99
26) 2-Nitrophenol	7.984	139	15976	3.545	ng		97
27) 2,4-Dimethylphenol	8.007	122	54213	5.244	ng		96
28) bis(2-Chloroethoxy)met...	8.107	93	80663	5.627	ng		97
29) 2,4-Dichlorophenol	8.219	162	49213	5.014	ng		99
30) 1,2,4-Trichlorobenzene	8.313	180	62964	5.648	ng		97
31) Naphthalene	8.395	128	192118	5.767	ng		99
33) 4-Chloroaniline	8.437	127	80401	5.640	ng		98
34) Hexachlorobutadiene	8.513	225	40845	5.454	ng		99
35) Caprolactam	8.766	113	12224m	4.400	ng		
36) 4-Chloro-3-methylphenol	8.901	107	48436	4.904	ng		97
37) 2-Methylnaphthalene	9.089	142	134235	5.852	ng		99
38) 1-Methylnaphthalene	9.189	142	125517	5.881	ng		99
40) 1,2,4,5-Tetrachloroben...	9.254	216	69557	5.672	ng		98
43) 2,4,6-Trichlorophenol	9.360	196	34564	4.541	ng		95
44) 2,4,5-Trichlorophenol	9.395	196	41858	4.702	ng		94
46) 1,1'-Biphenyl	9.554	154	159760	5.745	ng		100
47) 2-Chloronaphthalene	9.584	162	120880	5.623	ng		95

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132141.D
Acq On : 19 Jan 2023 11:53
Operator : CG\JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

Quant Time: Jan 20 00:09:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48)	2-Nitroaniline	9.672	65	21592	3.488	ng		96
49)	Acenaphthylene	10.001	152	192093	5.586	ng		97
50)	Dimethylphthalate	9.842	163	137683	5.393	ng		100
51)	2,6-Dinitrotoluene	9.907	165	19735	3.988	ng	#	82
52)	Acenaphthene	10.172	154	115909	5.603	ng		98
53)	3-Nitroaniline	10.078	138	22536	4.260	ng		92
55)	Dibenzofuran	10.348	168	183200	5.731	ng		96
56)	4-Nitrophenol	10.219	139	15152	3.935	ng		99
57)	2,4-Dinitrotoluene	10.313	165	23444	3.947	ng	#	85
58)	Fluorene	10.689	166	142641	6.022	ng		99
59)	2,3,4,6-Tetrachlorophenol	10.460	232	30336m	4.480	ng		
60)	Diethylphthalate	10.548	149	131777	5.264	ng		99
61)	4-Chlorophenyl-phenyle...	10.683	204	73864	5.823	ng		93
62)	4-Nitroaniline	10.689	138	22739	4.617	ng		95
63)	Azobenzene	10.842	77	140461	5.590	ng		97
66)	n-Nitrosodiphenylamine	10.795	169	121302	5.507	ng		99
67)	4-Bromophenyl-phenylether	11.178	248	44657	5.327	ng		92
68)	Hexachlorobenzene	11.242	284	44794	5.376	ng		98
69)	Atrazine	11.319	200	34994	5.149	ng		99
70)	Pentachlorophenol	11.430	266	21134	3.947	ng		91
71)	Phenanthrene	11.666	178	211702	5.865	ng		98
72)	Anthracene	11.713	178	213968	5.859	ng		97
73)	Carbazole	11.866	167	179791	5.764	ng		98
74)	Di-n-butylphthalate	12.189	149	175501	5.054	ng		99
75)	Fluoranthene	12.860	202	223006	6.015	ng		98
77)	Benzidine	12.977	184	73637	5.056	ng		98
78)	Pyrene	13.095	202	231080	5.169	ng		100
80)	Butylbenzylphthalate	13.707	149	43698	3.373	ng		96
81)	Benzo(a)anthracene	14.289	228	176274	5.087	ng		98
82)	3,3'-Dichlorobenzidine	14.248	252	37640	3.900	ng		99
83)	Chrysene	14.324	228	176738	5.358	ng		98
84)	Bis(2-ethylhexyl)phtha...	14.266	149	57226	3.345	ng		99
87)	Indeno(1,2,3-cd)pyrene	17.548	276	96216	3.765	ng		98
88)	Benzo(b)fluoranthene	15.413	252	113397	5.288	ng		99
89)	Benzo(k)fluoranthene	15.448	252	117601	5.377	ng		99
90)	Benzo(a)pyrene	15.824	252	98927	4.796	ng		95
91)	Dibenzo(a,h)anthracene	17.577	278	81546	3.912	ng		99
92)	Benzo(g,h,i)perylene	18.054	276	81471	3.715	ng	#	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

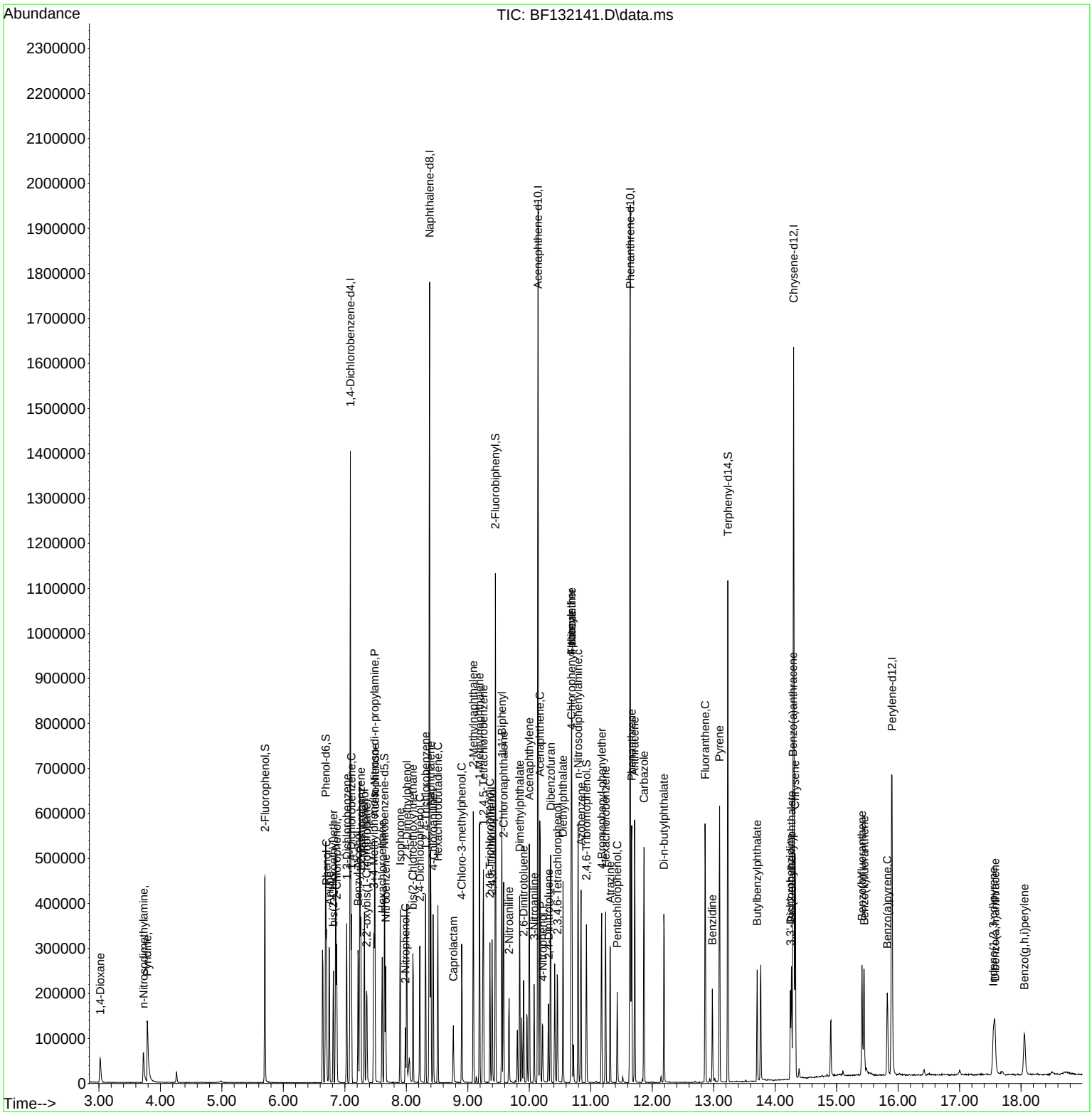
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132141.D
Acq On : 19 Jan 2023 11:53
Operator : CG\JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

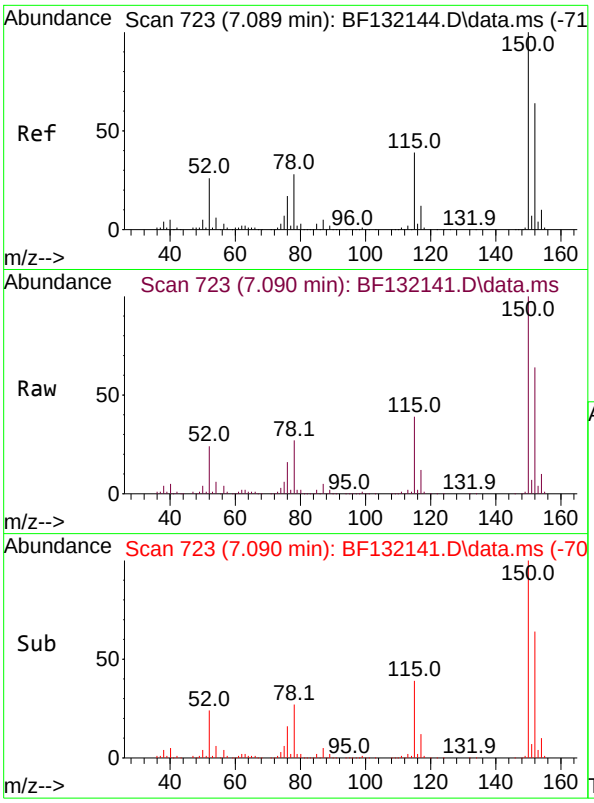
Quant Time: Jan 20 00:09:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

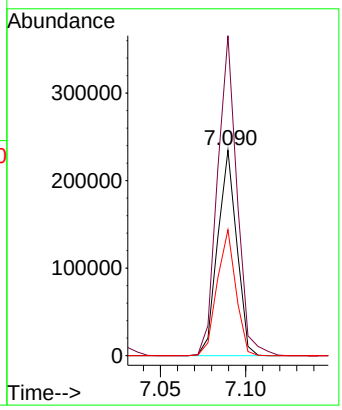




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.090 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:152 Resp: 18216

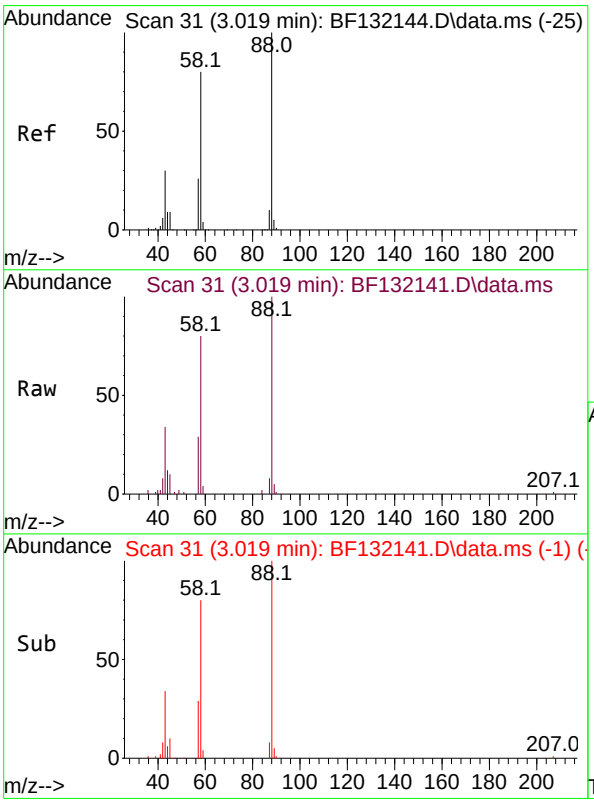
Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.8	188.8
115	61.3	49.2	73.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

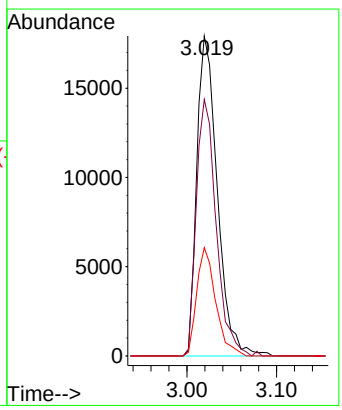
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

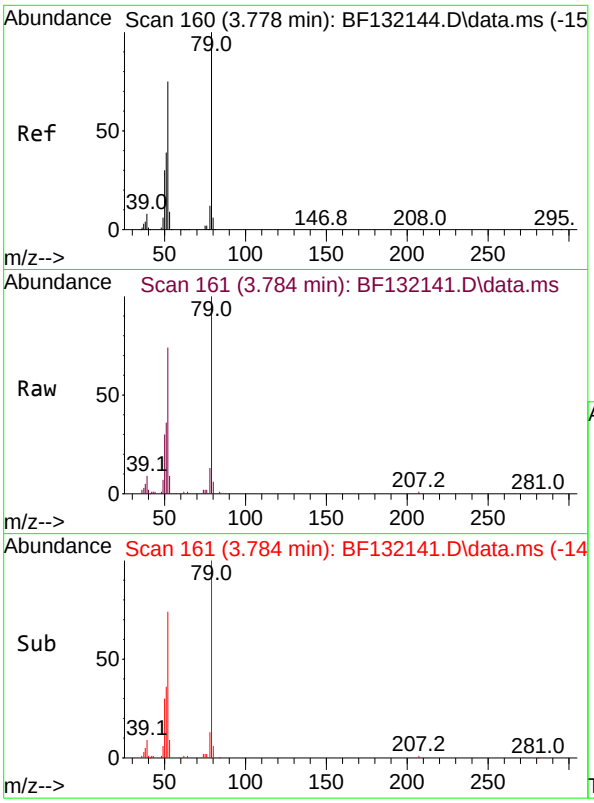


#2
1,4-Dioxane
Concen: 5.382 ng
RT: 3.019 min Scan# 31
Delta R.T. 0.000 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 88 Resp: 28431

Ion	Ratio	Lower	Upper
88	100		
58	77.6	64.0	96.0
43	31.3	24.2	36.4

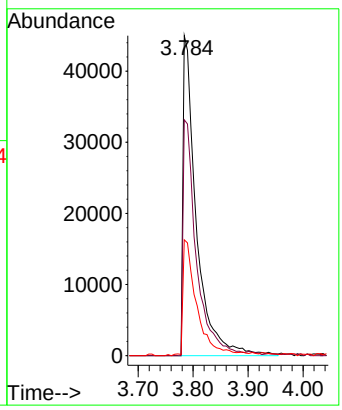




#3
Pyridine
Concen: 5.342 ng
RT: 3.784 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 79 Resp: 7575

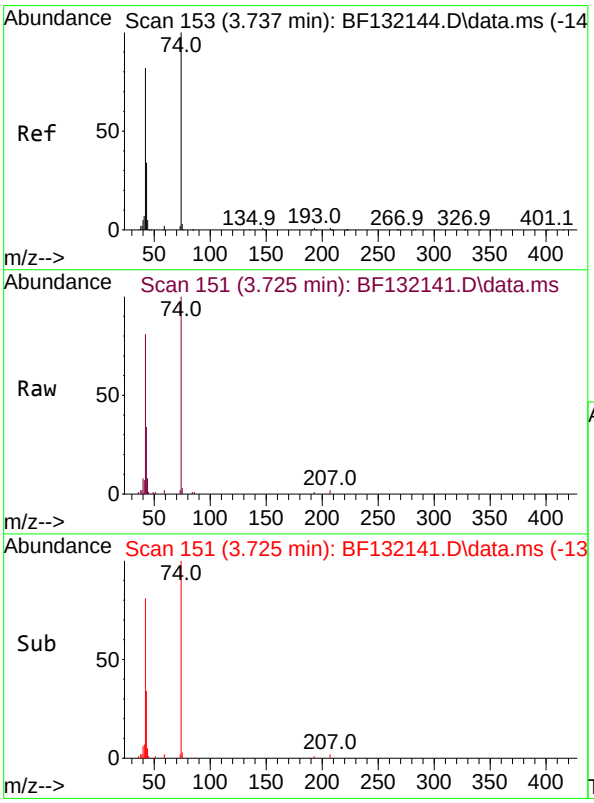
Ion	Ratio	Lower	Upper
79	100		
52	73.7	60.1	90.1
51	36.2	31.4	47.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

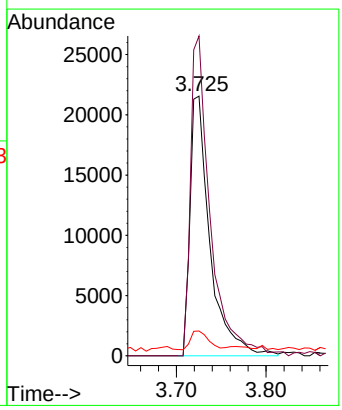
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

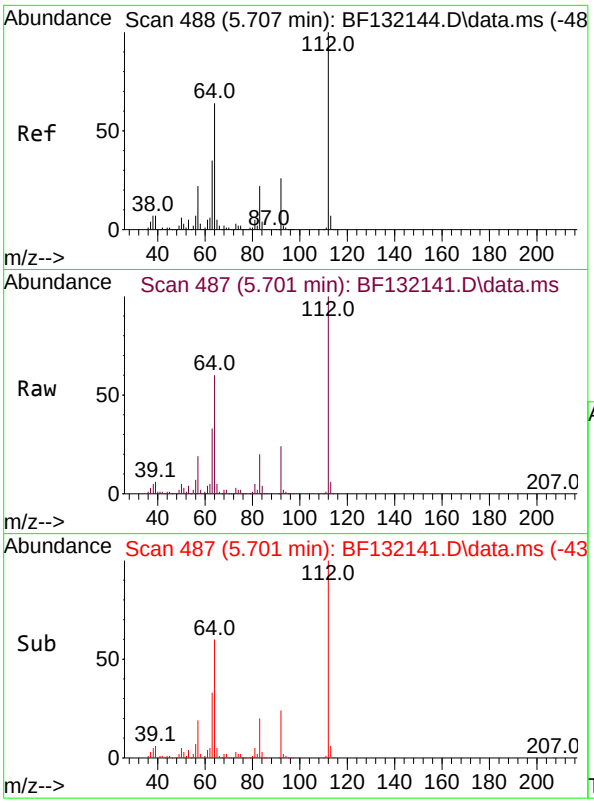


#4
n-Nitrosodimethylamine
Concen: 4.989 ng
RT: 3.725 min Scan# 151
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 42 Resp: 33278

Ion	Ratio	Lower	Upper
42	100		
74	123.2	98.1	147.1
44	9.6	5.2	7.8#





#5
2-Fluorophenol
Concen: 11.364 ng
RT: 5.701 min Scan# 48
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

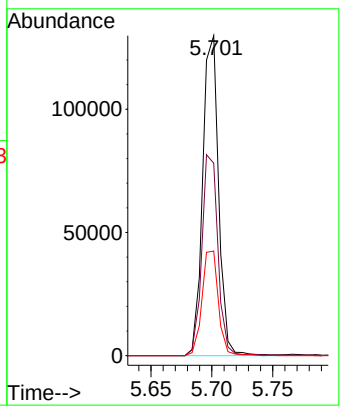
Tgt Ion:112 Resp: 11850

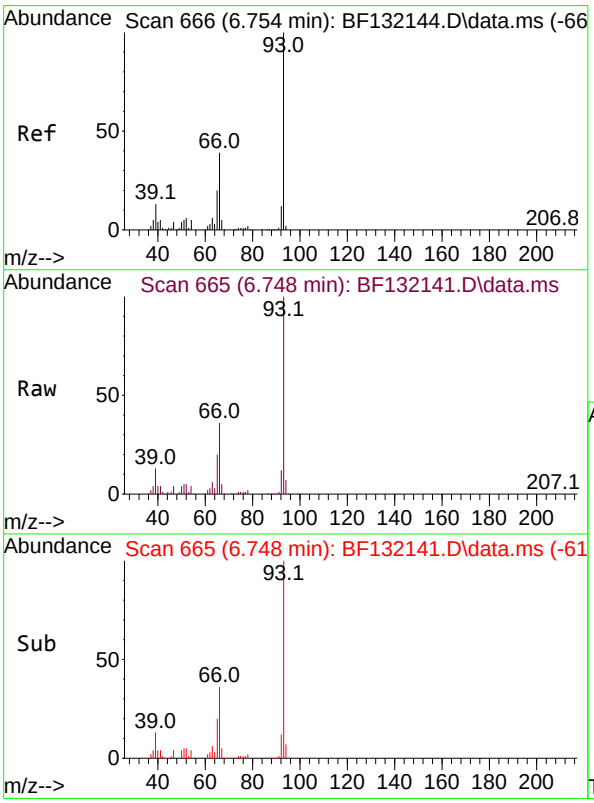
Ion	Ratio	Lower	Upper
112	100		
64	60.1	51.4	77.0
63	32.7	28.2	42.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

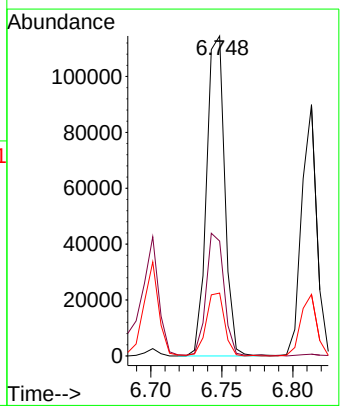


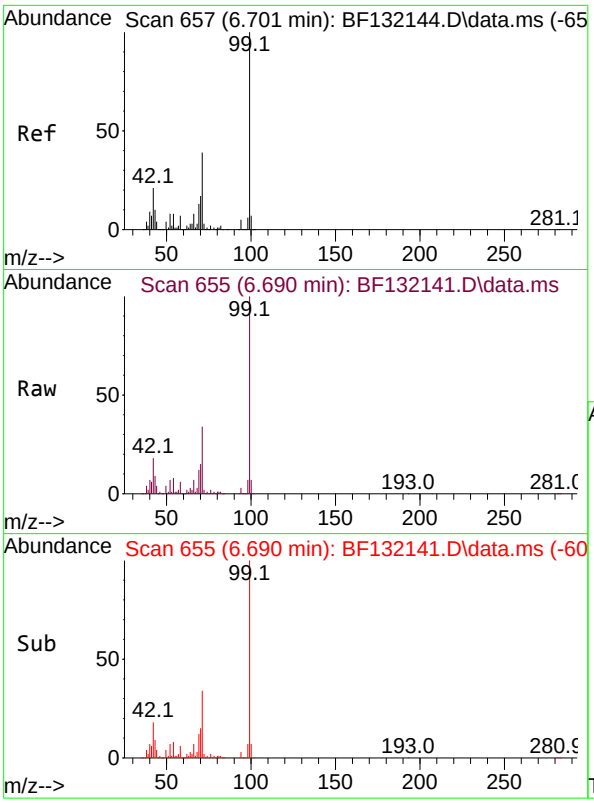


#6
Aniline
Concen: 5.590 ng
RT: 6.748 min Scan# 665
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 93 Resp: 102038

Ion	Ratio	Lower	Upper
93	100		
66	35.9	33.0	49.6
65	19.6	16.8	25.2





#7
Phenol-d6
Concen: 11.770 ng
RT: 6.690 min Scan# 6
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

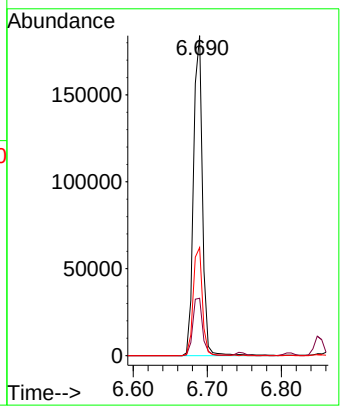
Tgt Ion: 99 Resp: 15449

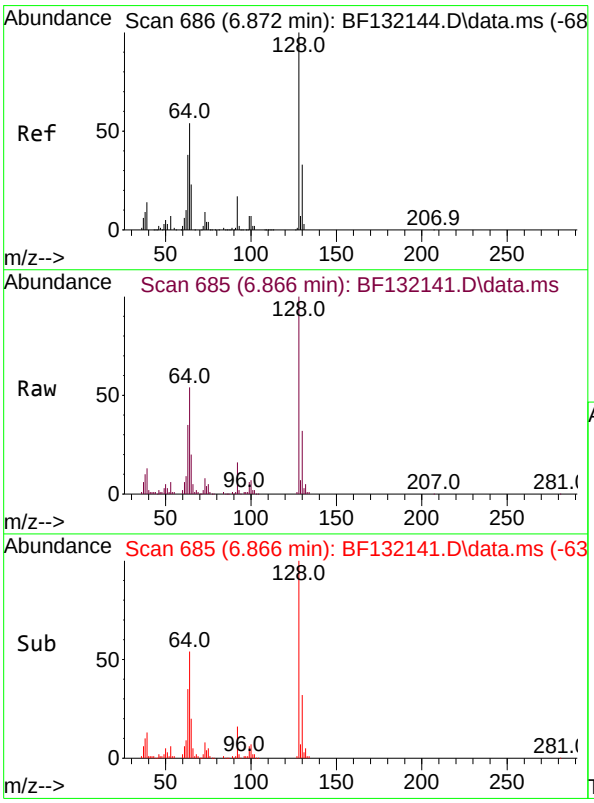
Ion	Ratio	Lower	Upper
99	100		
42	17.9	16.6	24.8
71	33.8	30.8	46.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

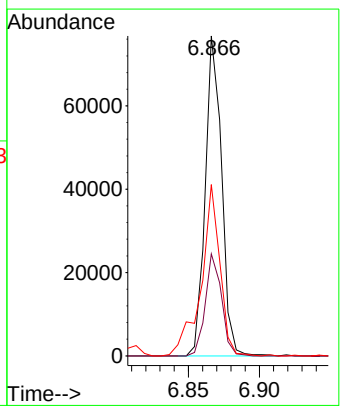


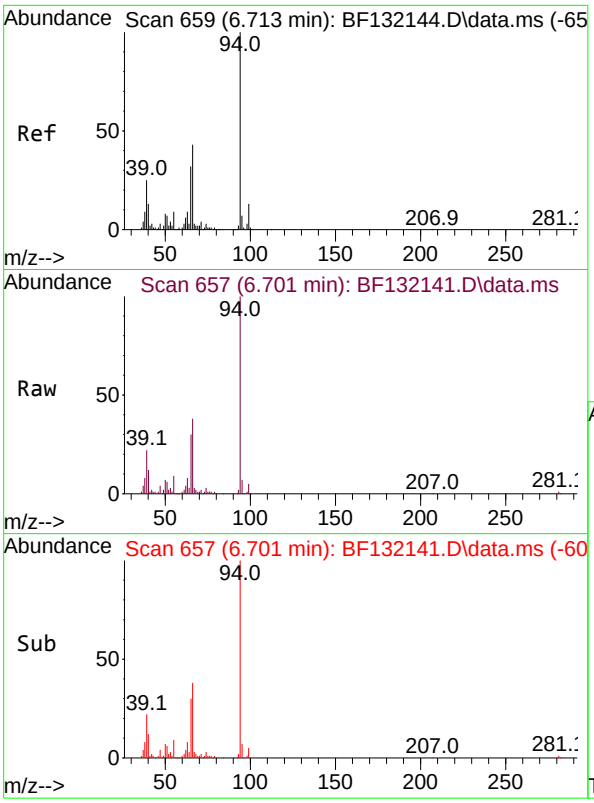


#8
2-Chlorophenol
Concen: 5.614 ng
RT: 6.866 min Scan# 685
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:128 Resp: 61537

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.8	52.8
64	53.5	34.8	74.8

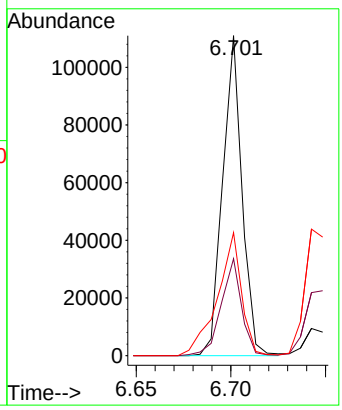




#10
Phenol
Concen: 5.774 ng
RT: 6.701 min Scan# 6
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 94 Resp: 7890

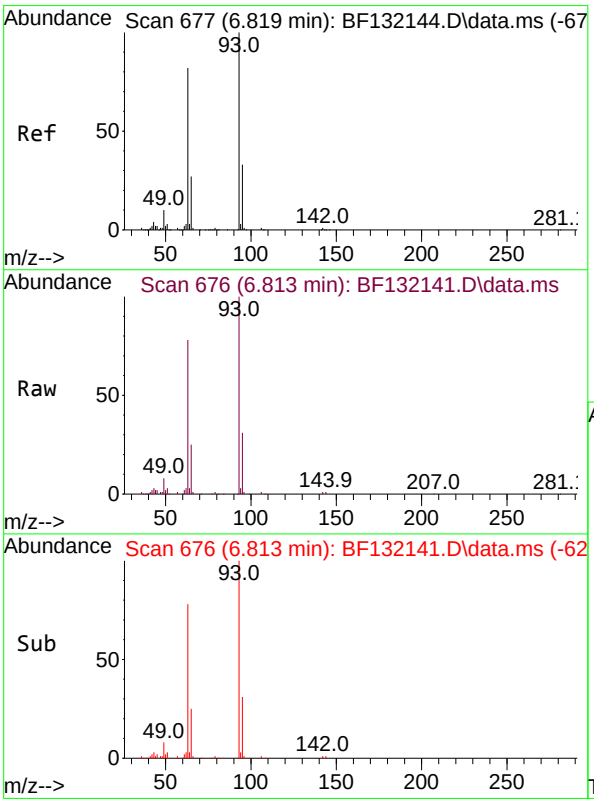
Ion	Ratio	Lower	Upper
94	100		
65	30.3	12.0	52.0
66	38.4	22.7	62.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

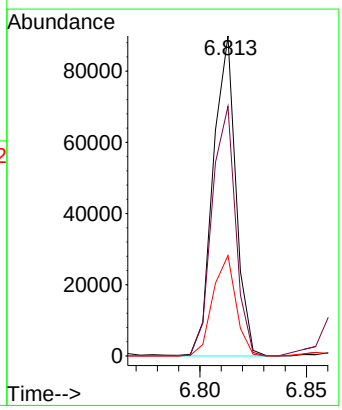
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

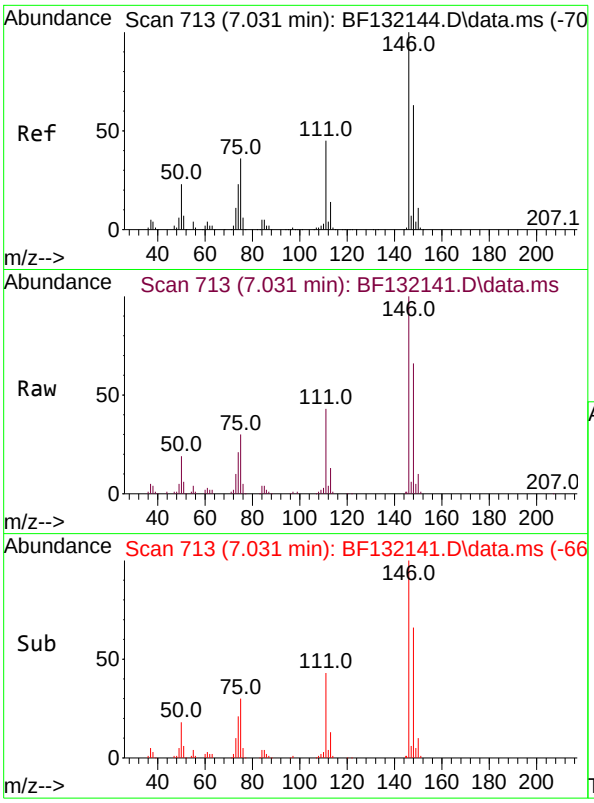


#11
bis(2-Chloroethyl)ether
Concen: 5.753 ng
RT: 6.813 min Scan# 676
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 93 Resp: 66549

Ion	Ratio	Lower	Upper
93	100		
63	78.0	61.6	101.6
95	31.4	12.7	52.7





#12
1,3-Dichlorobenzene
Concen: 5.782 ng
RT: 7.031 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

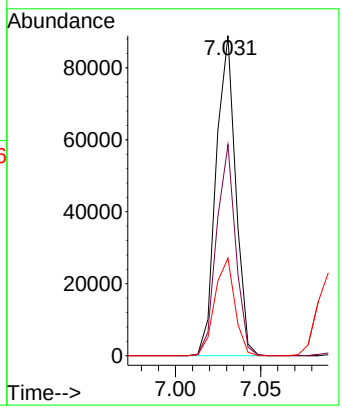
Tgt Ion:146 Resp: 7084

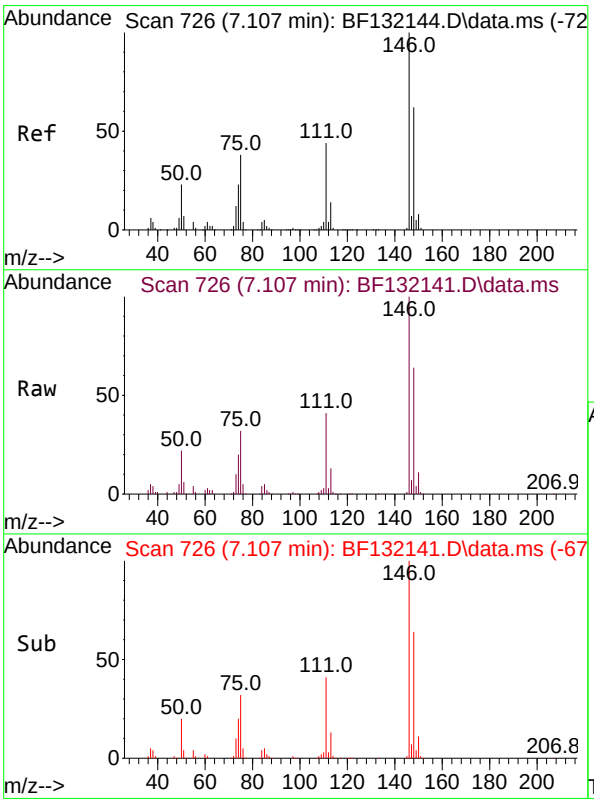
Ion	Ratio	Lower	Upper
146	100		
148	65.9	50.0	75.0
75	30.4	28.8	43.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

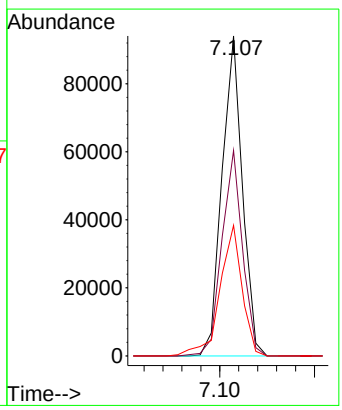


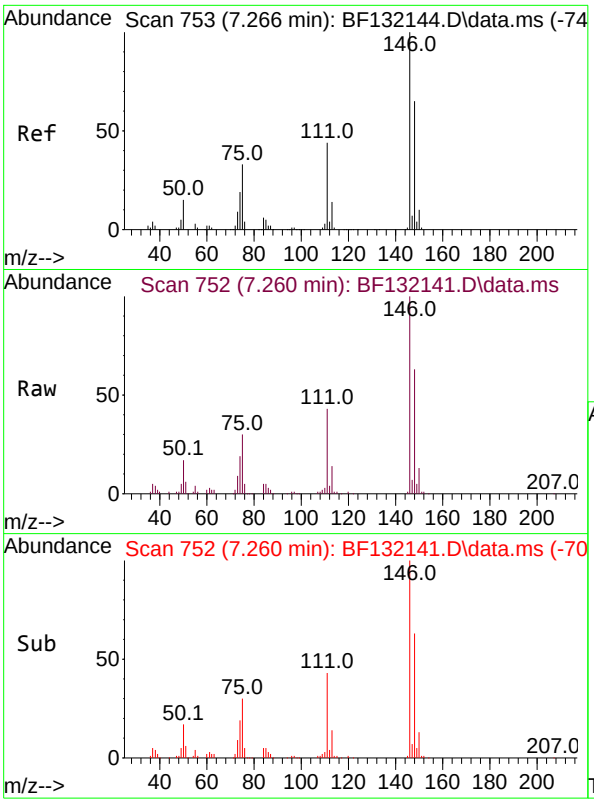


#13
1,4-Dichlorobenzene
Concen: 5.752 ng
RT: 7.107 min Scan# 726
Delta R.T. 0.000 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:146 Resp: 70326

Ion	Ratio	Lower	Upper
146	100		
148	64.2	49.9	74.9
111	40.8	35.2	52.8





#14
1,2-Dichlorobenzene
Concen: 6.023 ng
RT: 7.260 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

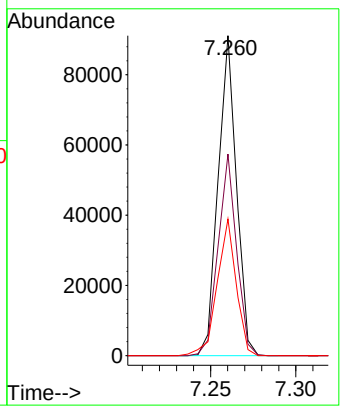
Tgt Ion:146 Resp: 6808

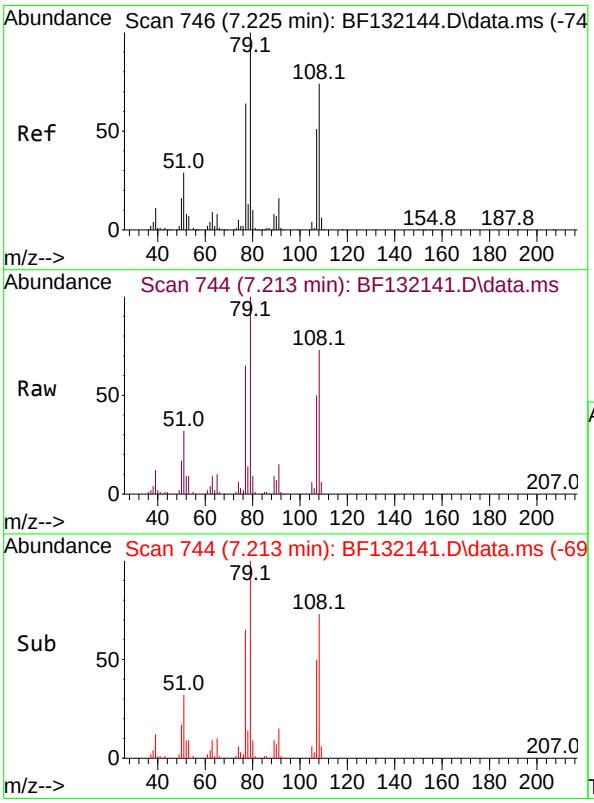
Ion	Ratio	Lower	Upper
146	100		
148	63.0	52.0	78.0
111	42.7	35.4	53.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

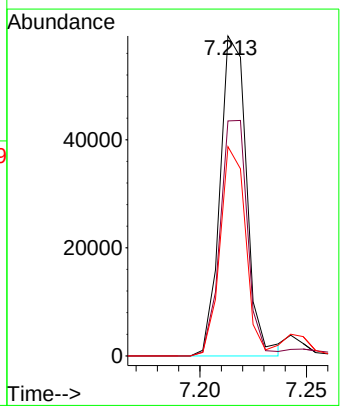


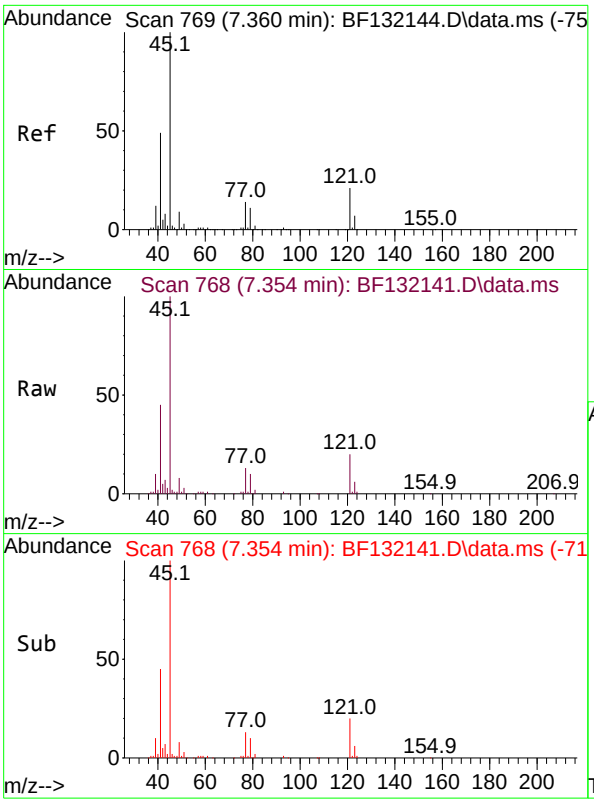


#15
Benzyl Alcohol
Concen: 5.045 ng
RT: 7.213 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 79 Resp: 51349

Ion	Ratio	Lower	Upper
79	100		
108	73.4	58.9	88.3
77	65.4	51.1	76.7

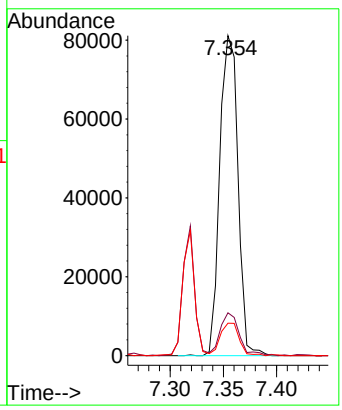




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.740 ng
RT: 7.354 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 45 Resp: 9650

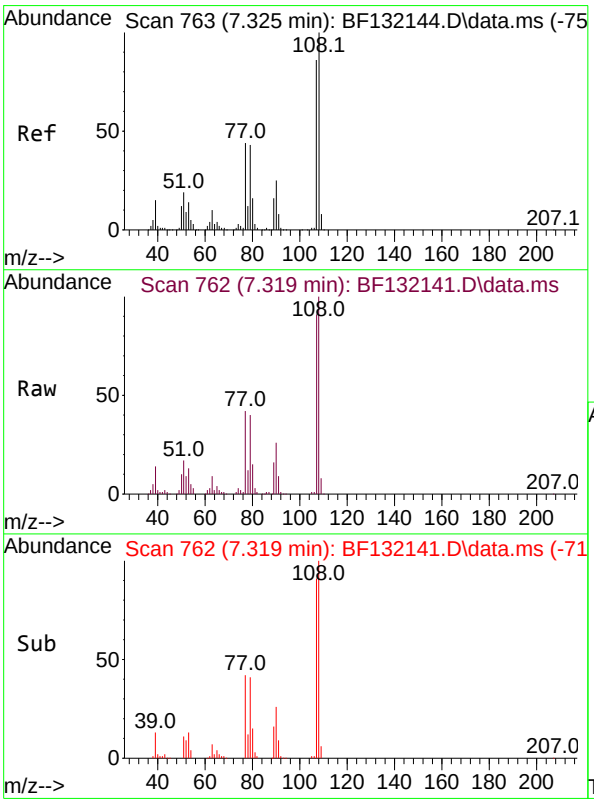
Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	34.3
79	10.1	0.0	30.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

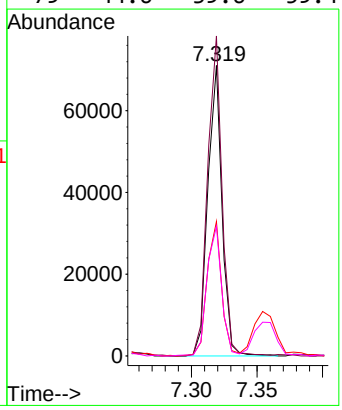
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

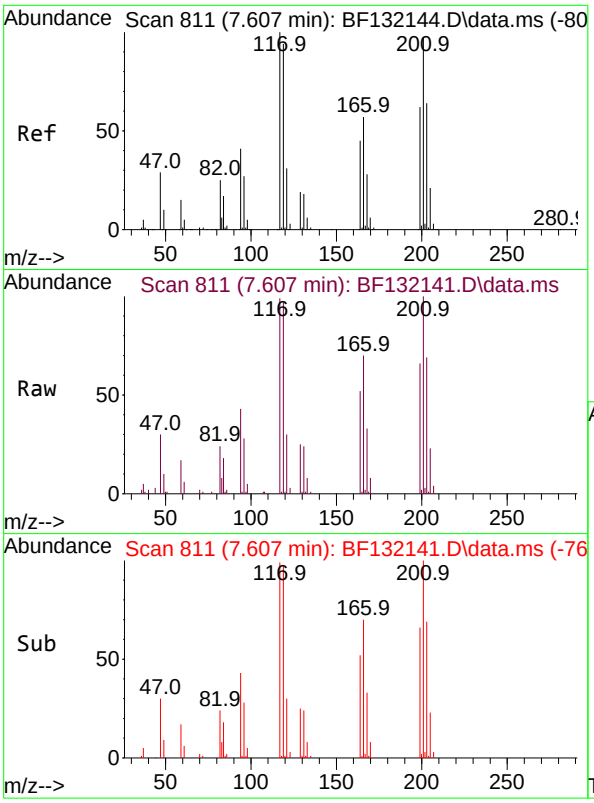


#17
2-Methylphenol
Concen: 5.556 ng
RT: 7.319 min Scan# 762
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:107 Resp: 53355

Ion	Ratio	Lower	Upper
107	100		
108	110.2	92.8	139.2
77	46.3	41.1	61.7
79	44.6	39.6	59.4

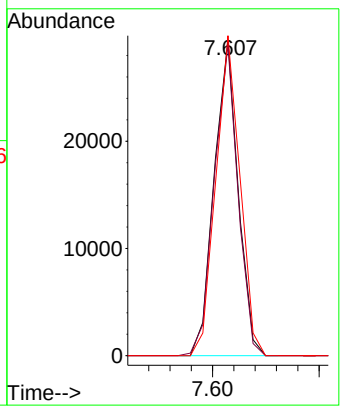




#18
Hexachloroethane
Concen: 5.222 ng
RT: 7.607 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:117 Resp: 2291

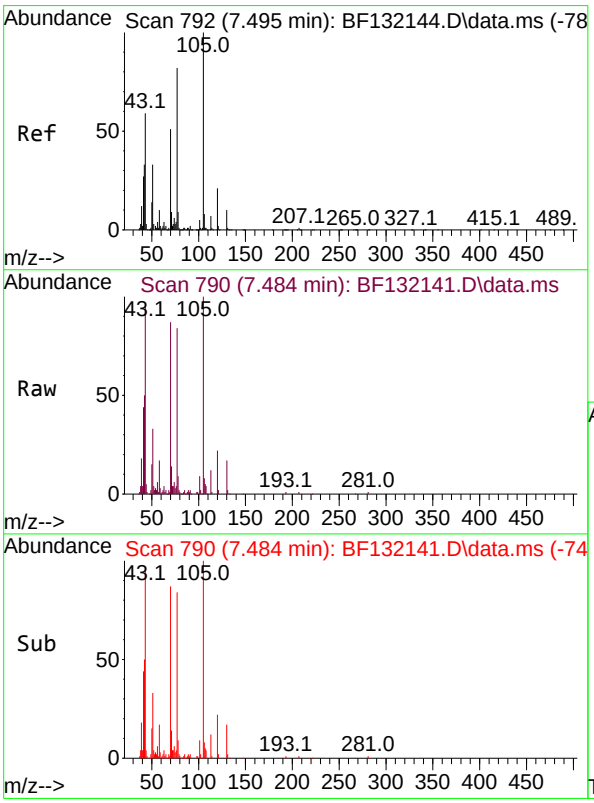
Ion	Ratio	Lower	Upper
117	100		
119	98.4	75.4	113.0
201	101.3	77.9	116.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

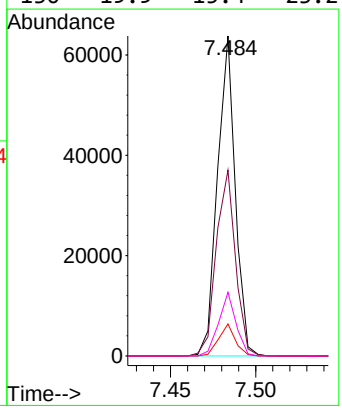
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

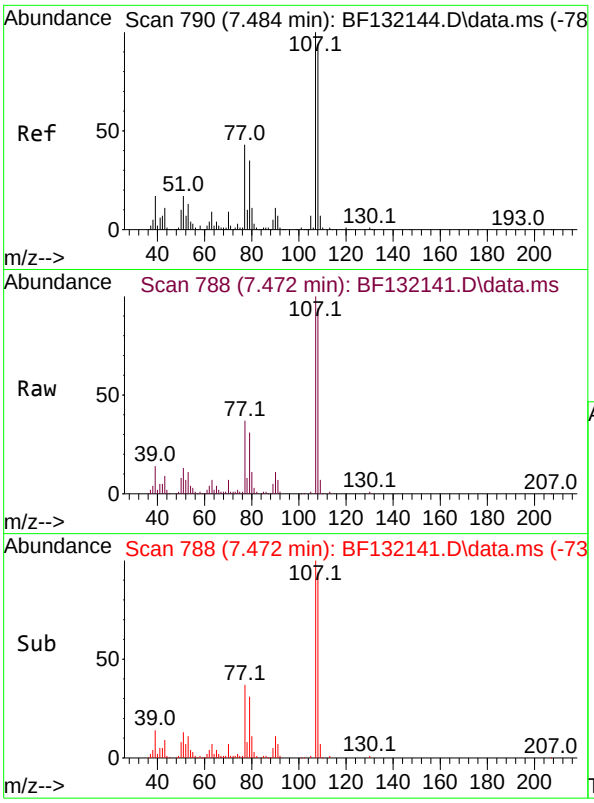


#19
n-Nitroso-di-n-propylamine
Concen: 5.748 ng
RT: 7.484 min Scan# 790
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 70 Resp: 46218

Ion	Ratio	Lower	Upper
70	100		
42	58.0	51.0	76.4
101	10.0	7.3	10.9
130	19.9	15.4	23.2

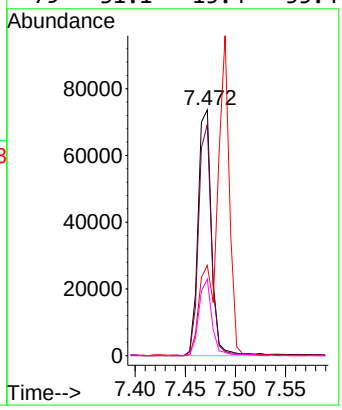




#20
3+4-Methylphenols
Concen: 5.679 ng
RT: 7.472 min Scan# 78
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:107 Resp: 6872

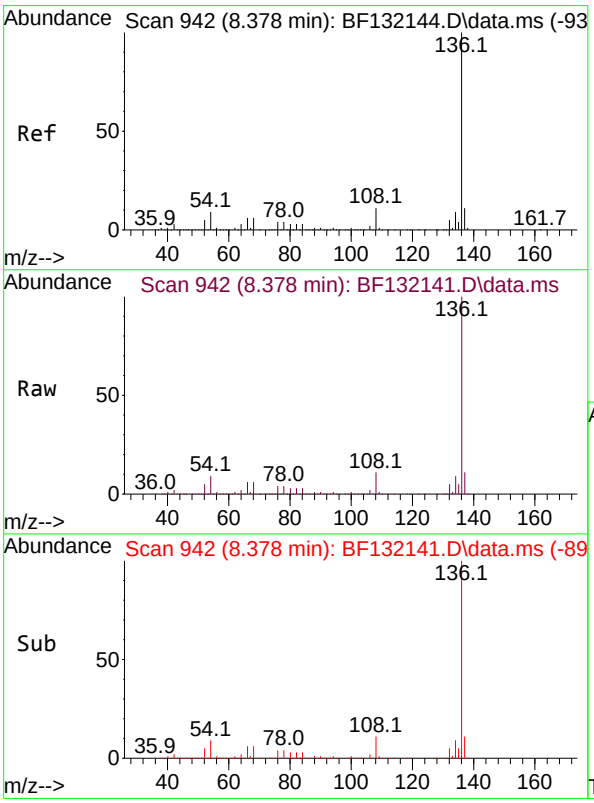
Ion	Ratio	Lower	Upper
107	100		
108	94.2	73.8	113.8
77	36.7	22.8	62.8
79	31.1	15.4	55.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

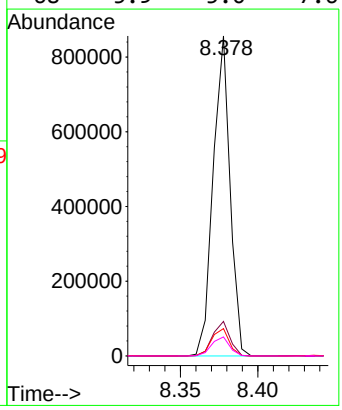
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

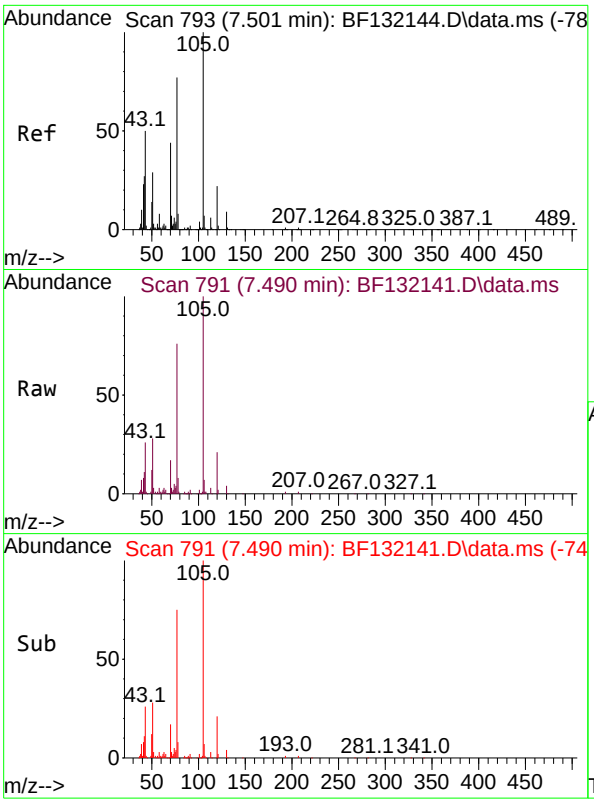


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.378 min Scan# 942
Delta R.T. -0.000 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:136 Resp: 648667

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.6	7.0	10.6
68	5.9	5.0	7.6

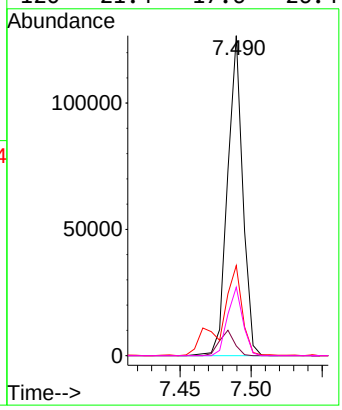




#22
Acetophenone
Concen: 6.023 ng
RT: 7.490 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:105 Resp: 9390

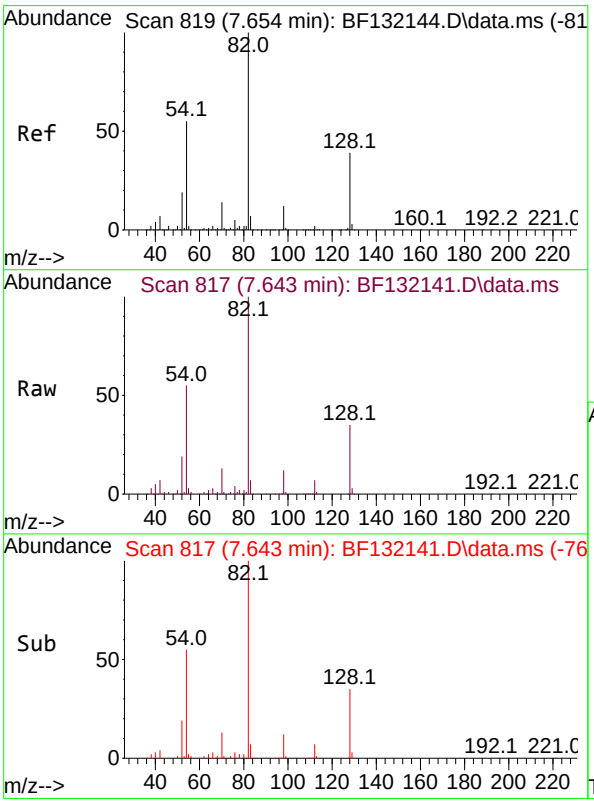
Ion	Ratio	Lower	Upper
105	100		
71	3.0	5.8	8.6#
51	28.1	23.0	34.6
120	21.4	17.6	26.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

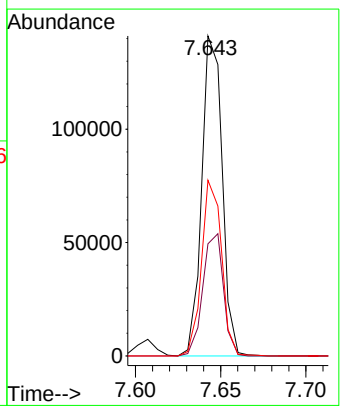
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

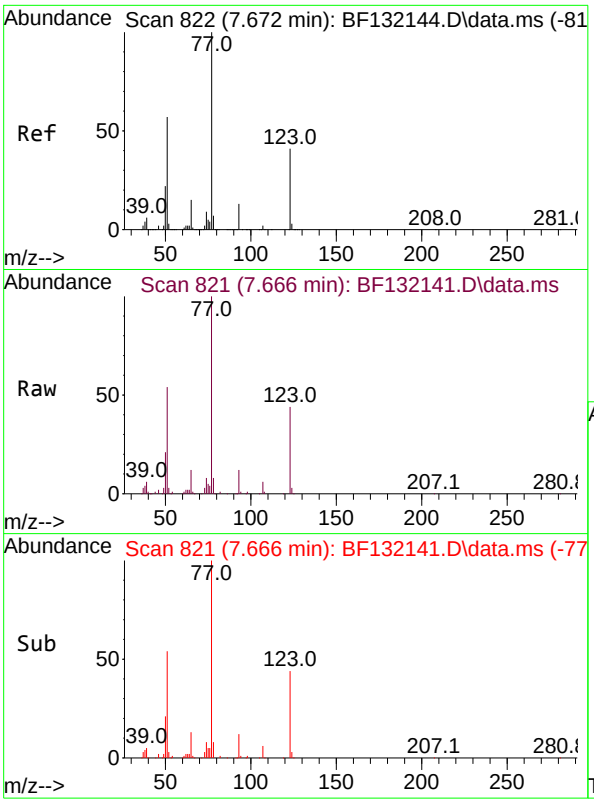


#23
Nitrobenzene-d5
Concen: 9.642 ng
RT: 7.643 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 82 Resp: 117730

Ion	Ratio	Lower	Upper
82	100		
128	35.0	31.1	46.7
54	54.9	43.9	65.9

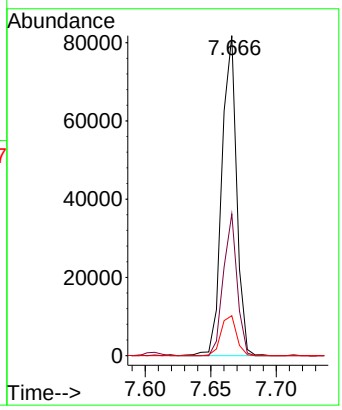




#24
Nitrobenzene
Concen: 4.977 ng
RT: 7.666 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 77 Resp: 6435

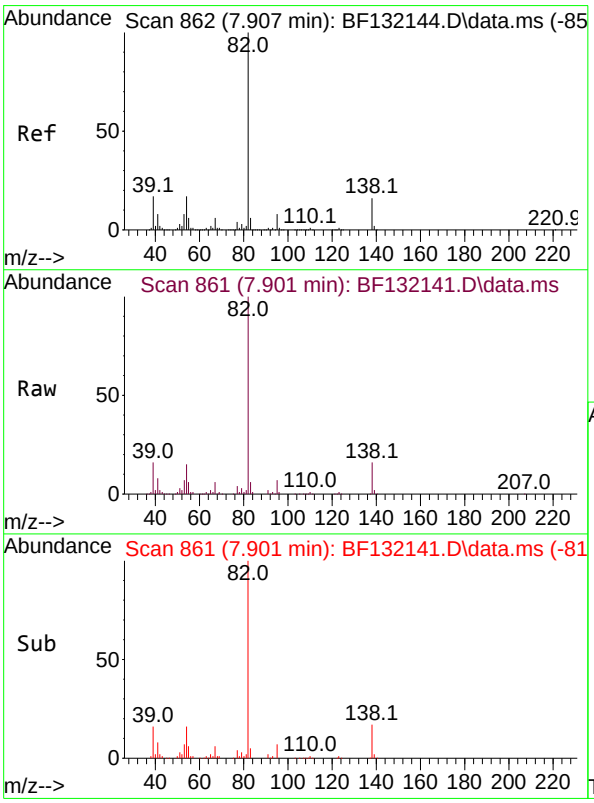
Ion	Ratio	Lower	Upper
77	100		
123	44.3	33.1	49.7
65	12.5	11.7	17.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

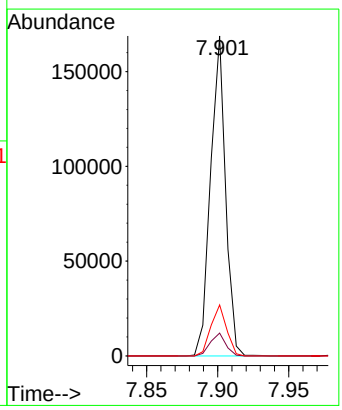
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

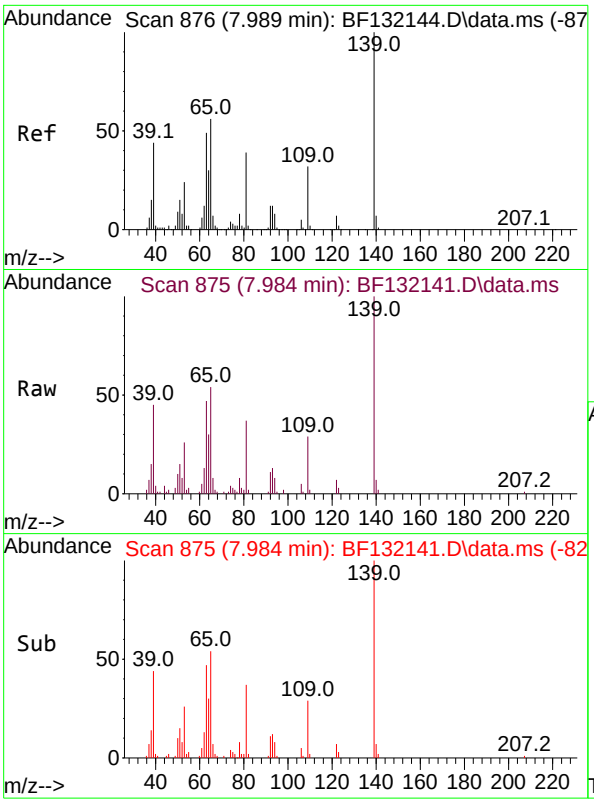


#25
Isophorone
Concen: 5.204 ng
RT: 7.901 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 82 Resp: 124332

Ion	Ratio	Lower	Upper
82	100		
95	7.1	6.2	9.2
138	15.9	12.9	19.3

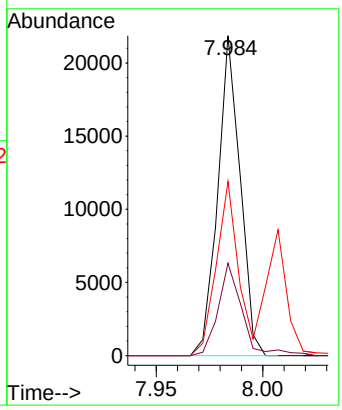




#26
2-Nitrophenol
Concen: 3.545 ng
RT: 7.984 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:139 Resp: 1597

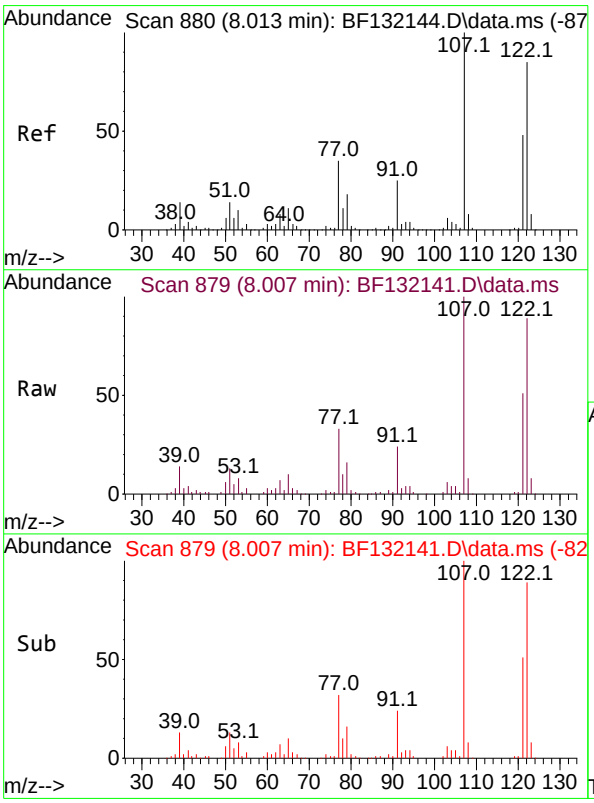
Ion	Ratio	Lower	Upper
139	100		
109	28.9	25.8	38.8
65	54.4	44.6	66.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

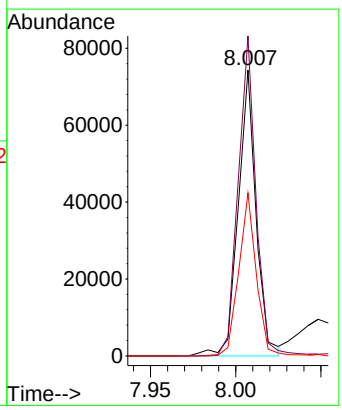
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

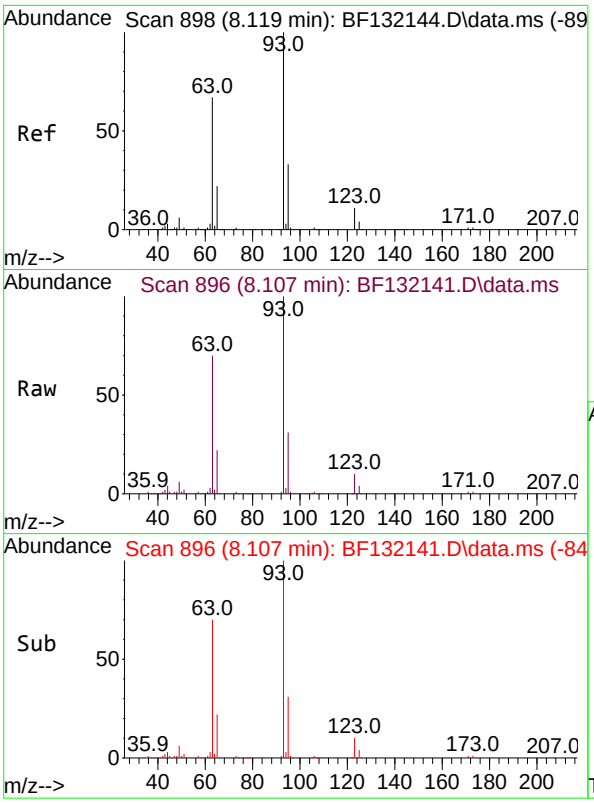


#27
2,4-Dimethylphenol
Concen: 5.244 ng
RT: 8.007 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:122 Resp: 54213

Ion	Ratio	Lower	Upper
122	100		
107	112.0	94.2	141.4
121	56.9	45.6	68.4





#28
bis(2-Chloroethoxy)methane
Concen: 5.627 ng
RT: 8.107 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

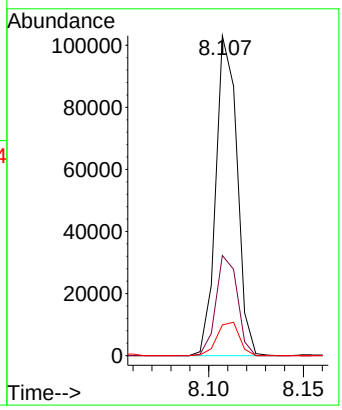
Tgt Ion: 93 Resp: 8066

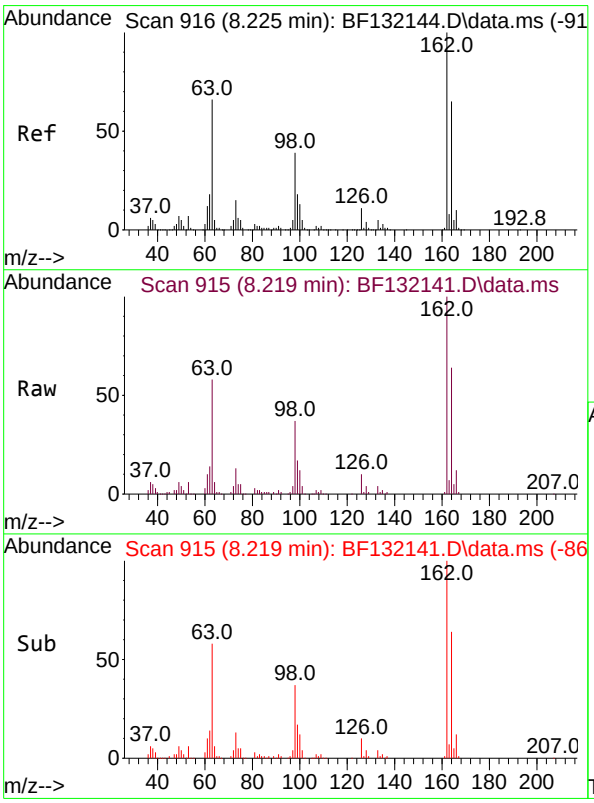
Ion	Ratio	Lower	Upper
93	100		
95	31.3	26.2	39.2
123	9.6	9.1	13.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

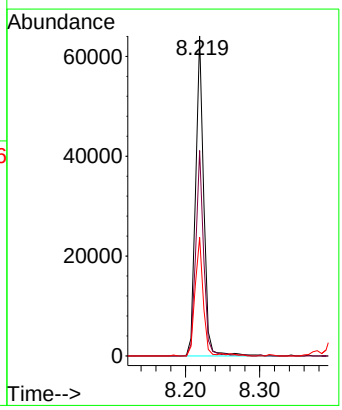


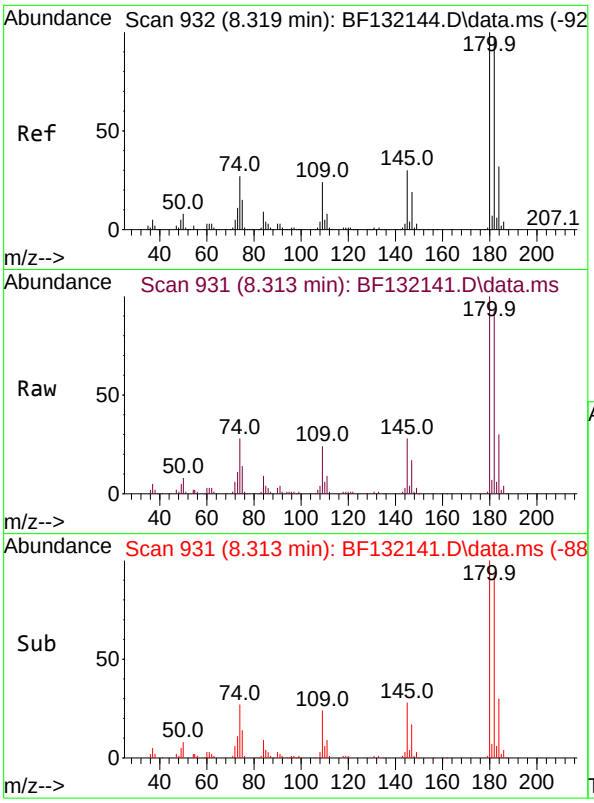


#29
2,4-Dichlorophenol
Concen: 5.014 ng
RT: 8.219 min Scan# 915
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:162 Resp: 49213

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.7	84.7
98	37.0	18.8	58.8





#30
1,2,4-Trichlorobenzene
Concen: 5.648 ng
RT: 8.313 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

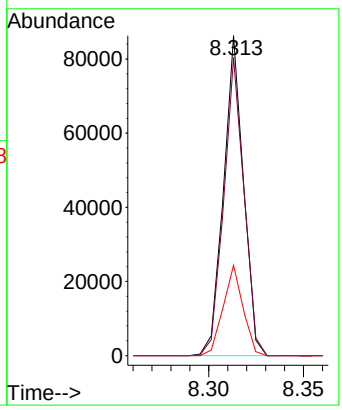
Tgt Ion:180 Resp: 6296

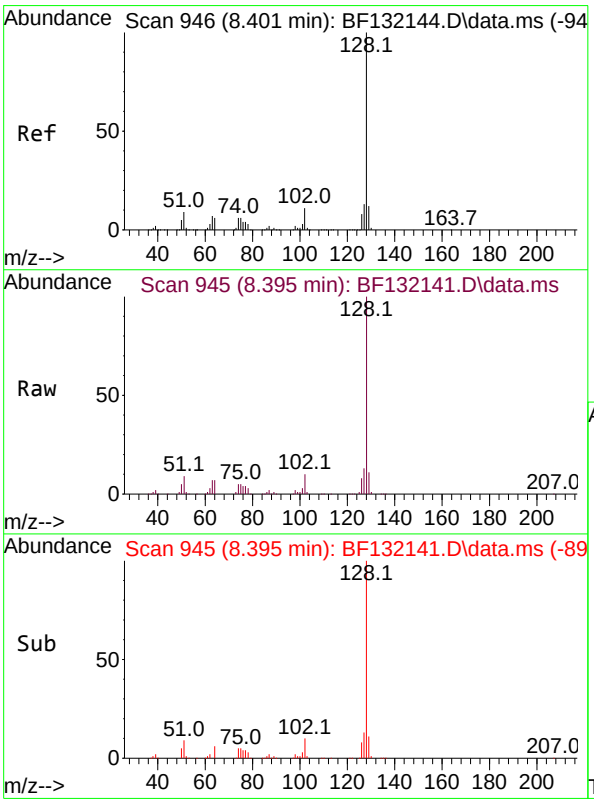
Ion	Ratio	Lower	Upper
180	100		
182	93.2	77.4	116.0
145	28.2	23.8	35.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

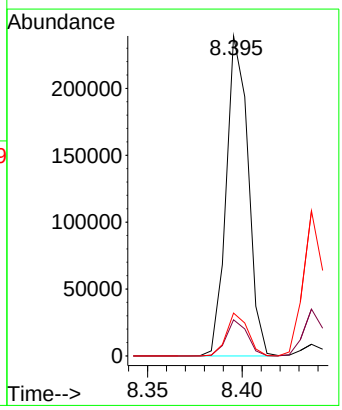


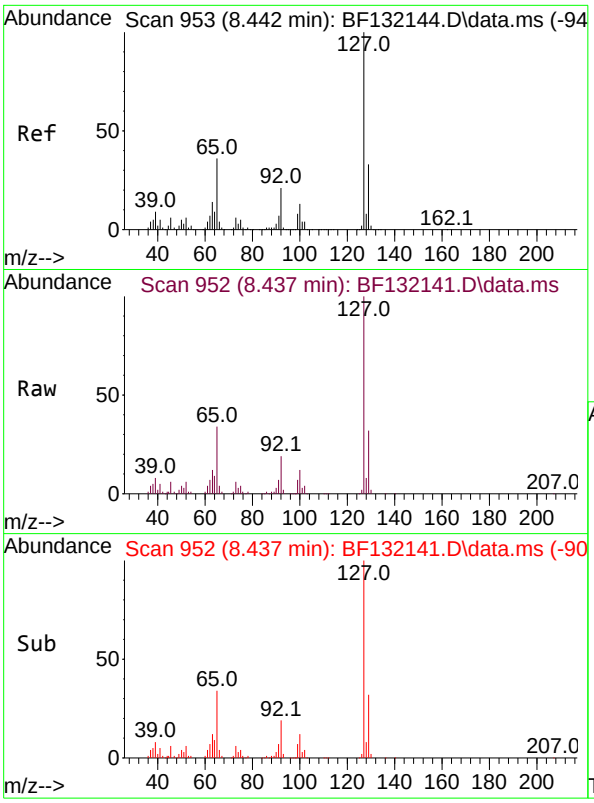


#31
Naphthalene
Concen: 5.767 ng
RT: 8.395 min Scan# 945
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:128 Resp: 192118

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.3	13.9
127	13.4	10.6	15.8

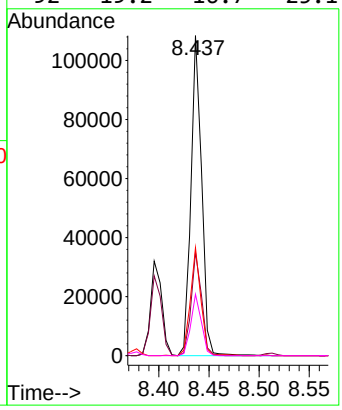




#33
4-Chloroaniline
Concen: 5.640 ng
RT: 8.437 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:127 Resp: 8040

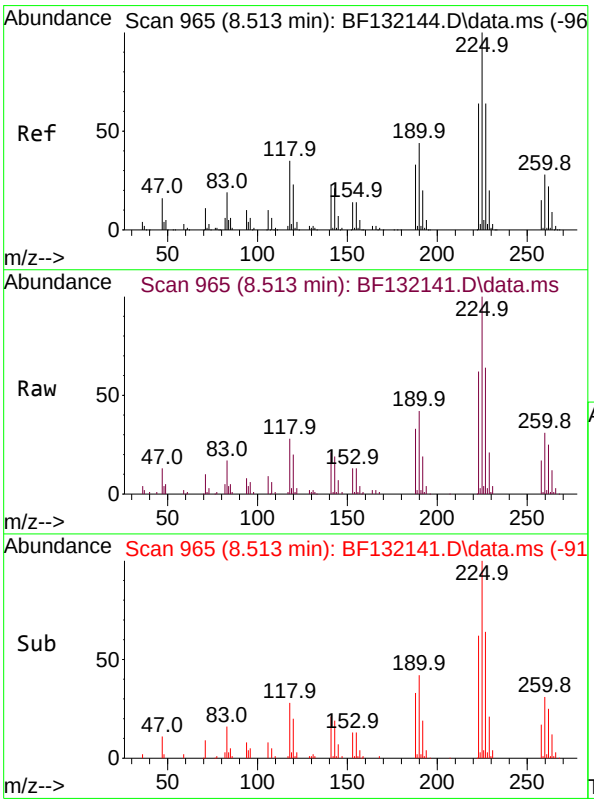
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	33.7	28.4	42.6
92	19.2	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

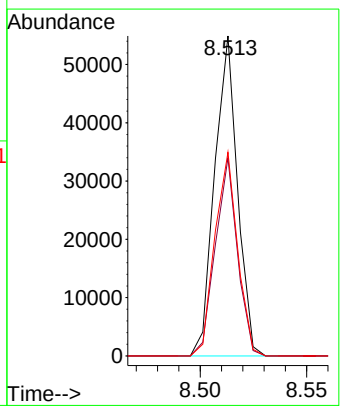
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

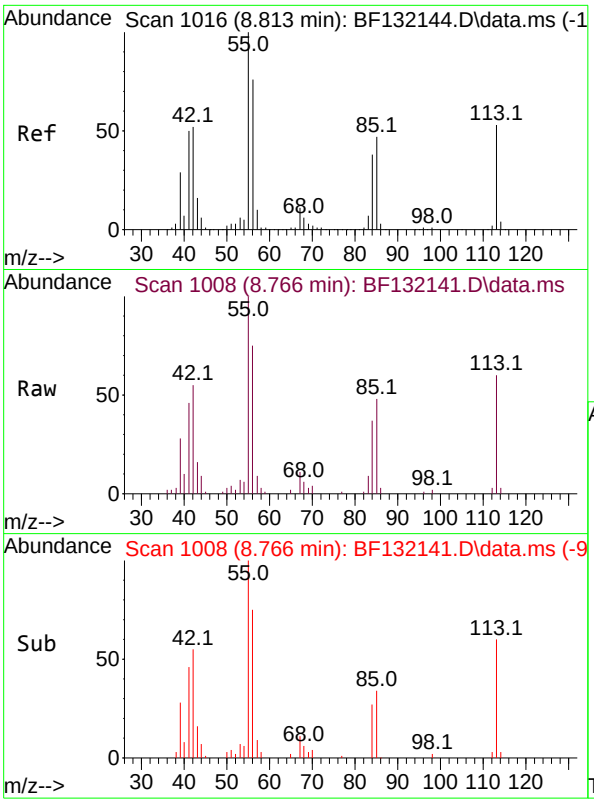


#34
Hexachlorobutadiene
Concen: 5.454 ng
RT: 8.513 min Scan# 965
Delta R.T. 0.000 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:225 Resp: 40845

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.9	76.3
227	63.6	50.8	76.2

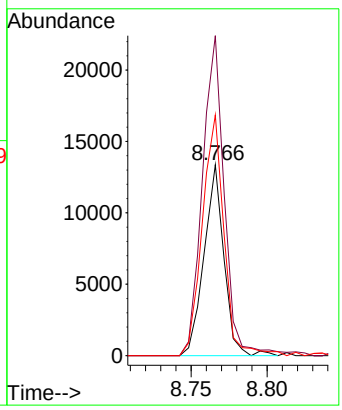




#35
Caprolactam
Concen: 4.400 ng m
RT: 8.766 min Scan# 10
Delta R.T. -0.047 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:113 Resp: 1222

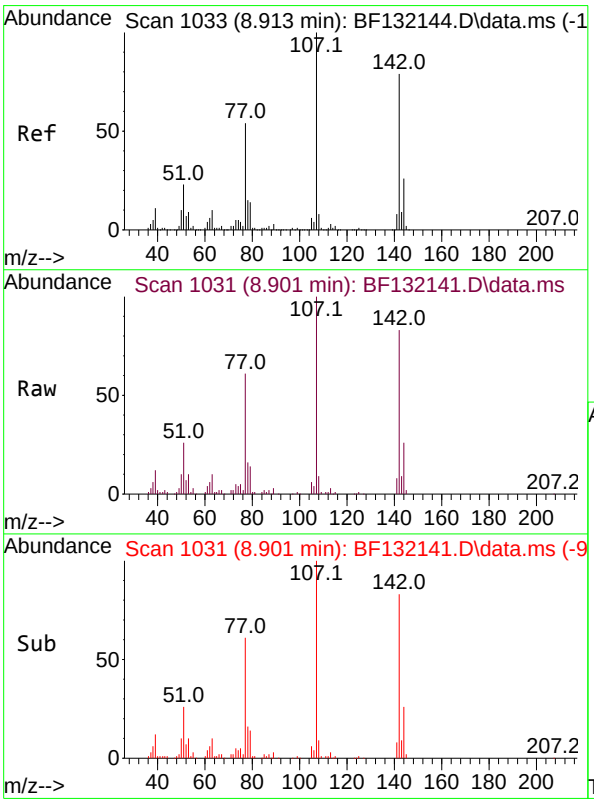
Ion	Ratio	Lower	Upper
113	100		
55	167.7	167.5	207.5
56	126.1	122.0	162.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

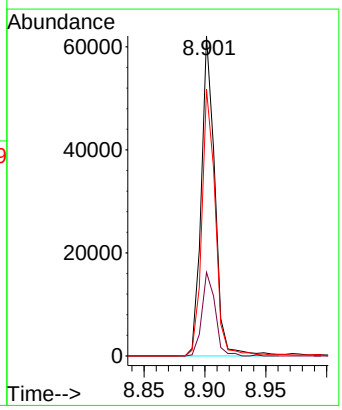
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

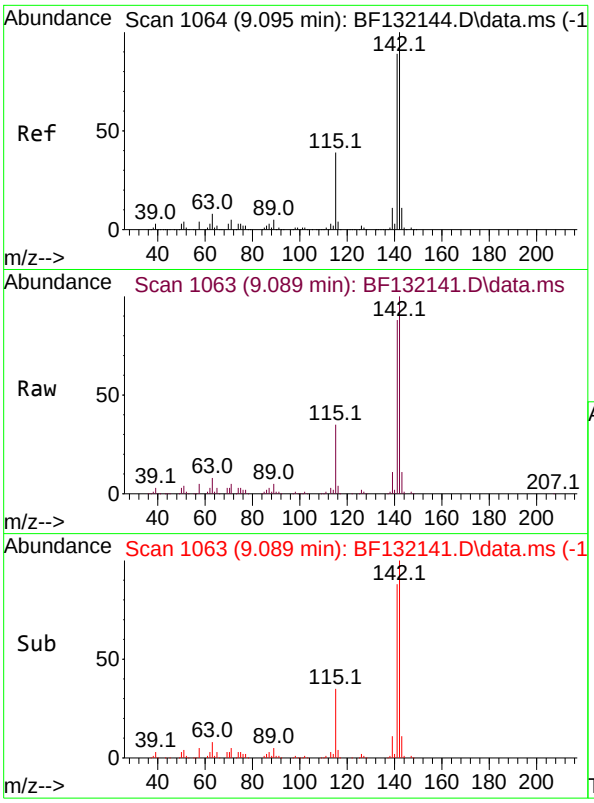


#36
4-Chloro-3-methylphenol
Concen: 4.904 ng
RT: 8.901 min Scan# 1031
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:107 Resp: 48436

Ion	Ratio	Lower	Upper
107	100		
144	26.1	21.0	31.4
142	83.3	63.6	95.4





#37
2-Methylnaphthalene
Concen: 5.852 ng
RT: 9.089 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

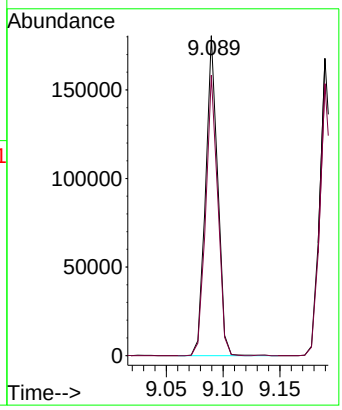
Tgt Ion:142 Resp: 13423

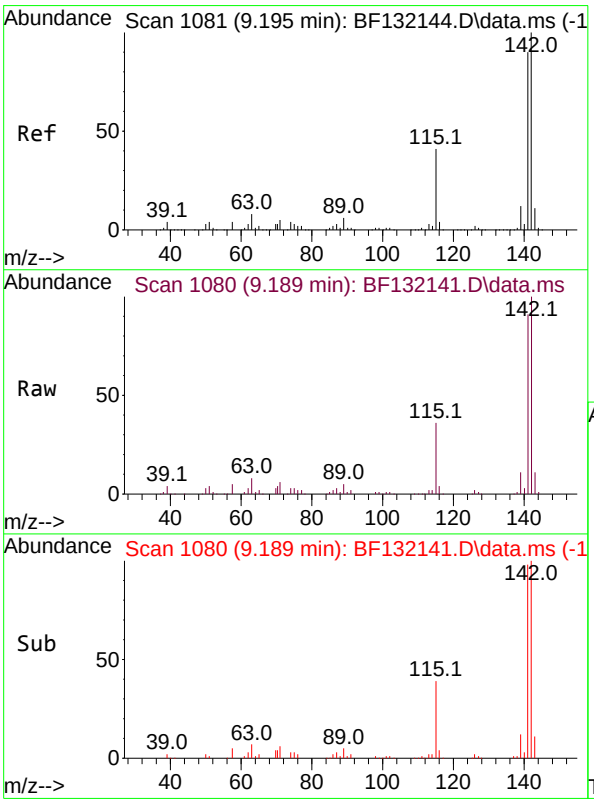
Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.1	106.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

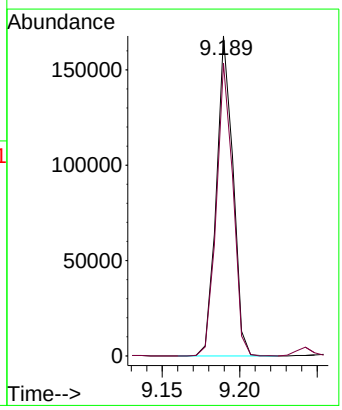


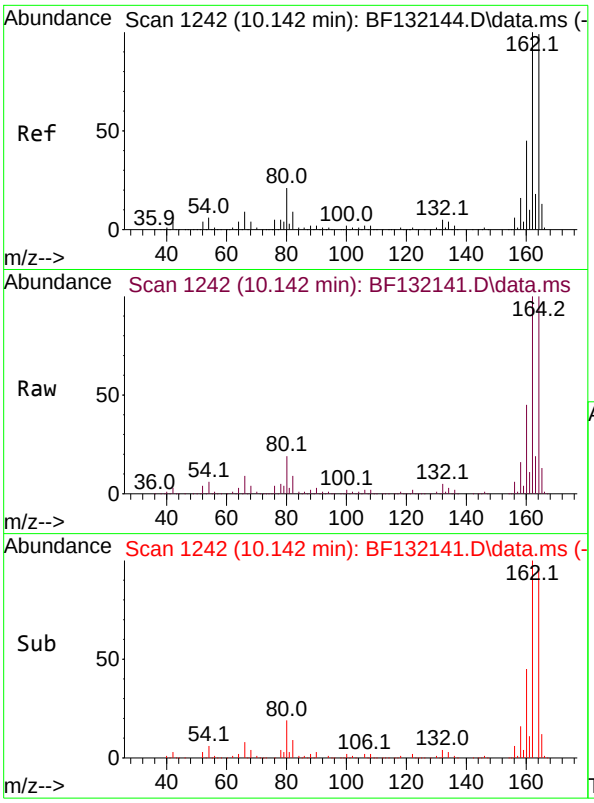


#38
1-Methylnaphthalene
Concen: 5.881 ng
RT: 9.189 min Scan# 1080
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:142 Resp: 125517

Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.1	108.1

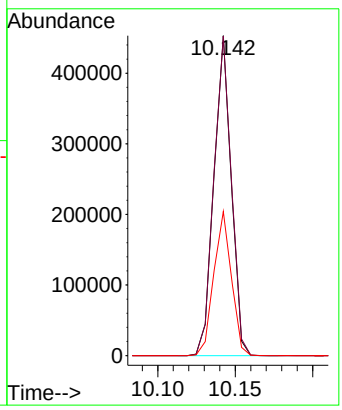




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.142 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:164 Resp: 352490

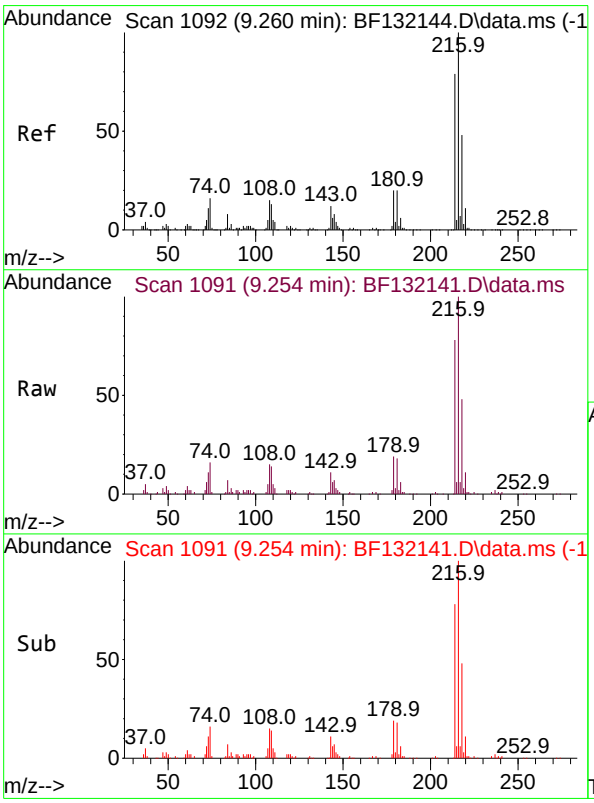
Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.2	121.8
160	45.1	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

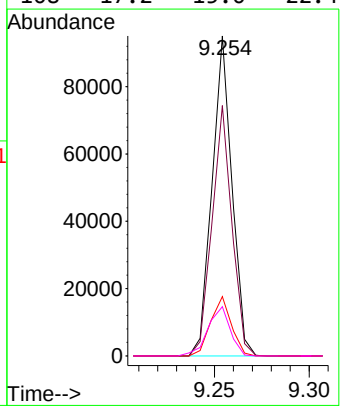
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

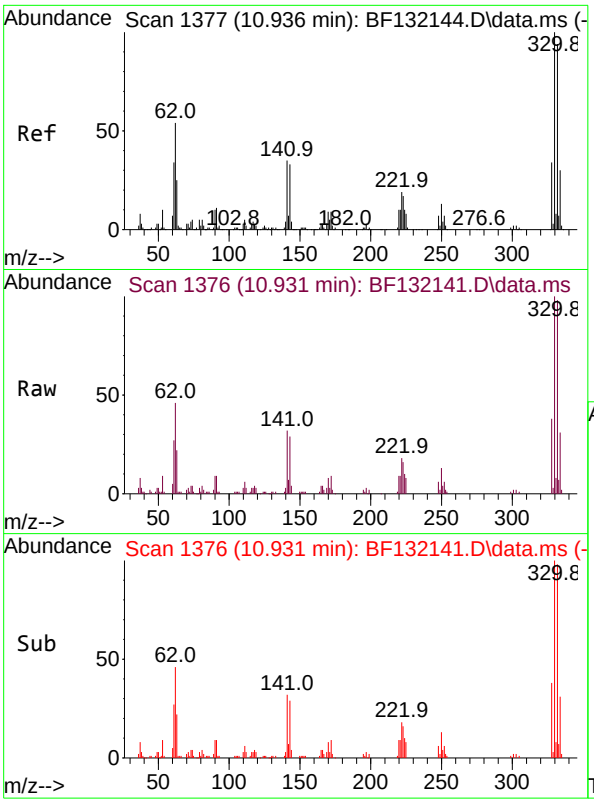


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.672 ng
RT: 9.254 min Scan# 1091
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:216 Resp: 69557

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.1	94.7
179	19.3	16.6	24.8
108	17.2	15.0	22.4

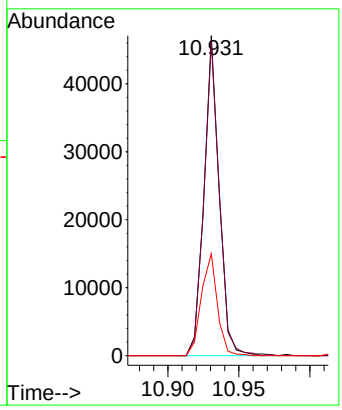




#42
2,4,6-Tribromophenol
Concen: 9.240 ng
RT: 10.931 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:330 Resp: 3479

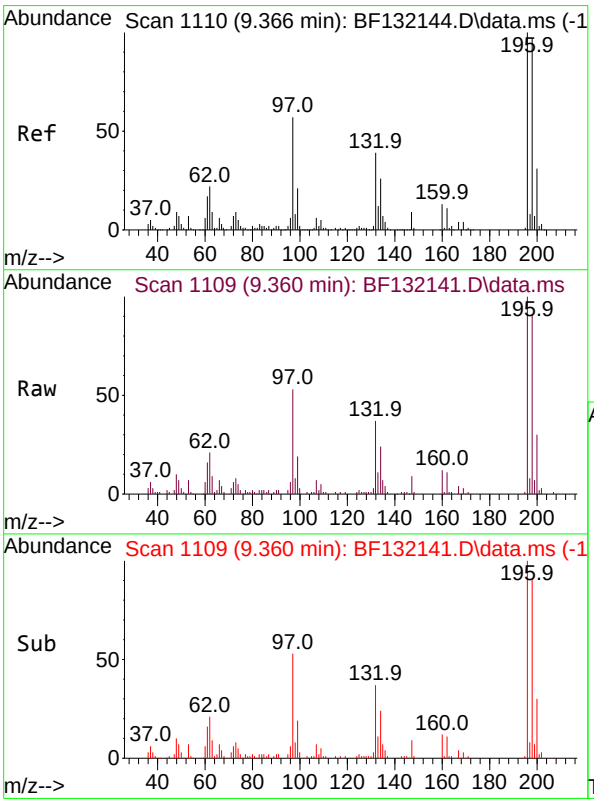
Ion	Ratio	Lower	Upper
330	100		
332	99.2	75.6	113.4
141	33.5	27.1	40.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

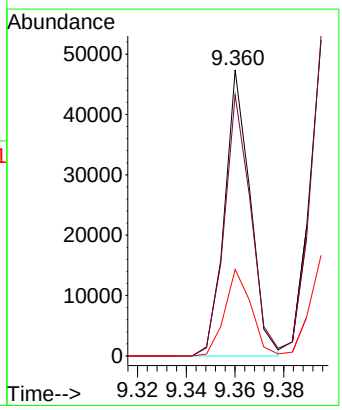
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

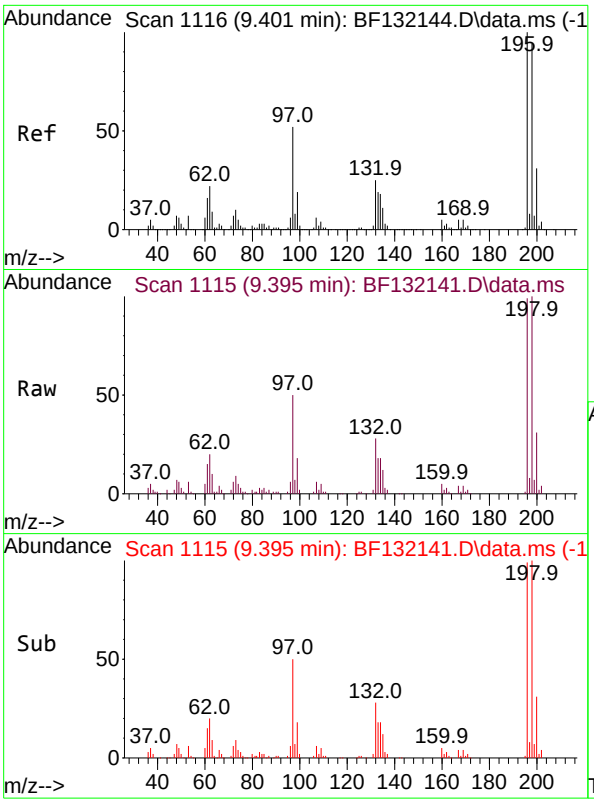


#43
2,4,6-Trichlorophenol
Concen: 4.541 ng
RT: 9.360 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:196 Resp: 34564

Ion	Ratio	Lower	Upper
196	100		
198	91.3	77.4	116.2
200	30.2	24.9	37.3

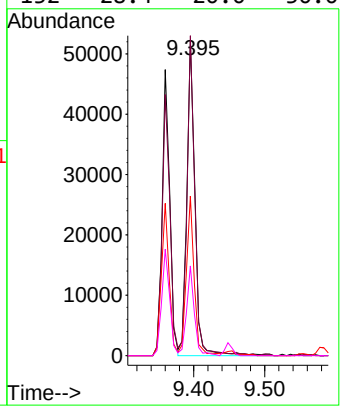




#44
2,4,5-Trichlorophenol
Concen: 4.702 ng
RT: 9.395 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:196 Resp: 41858

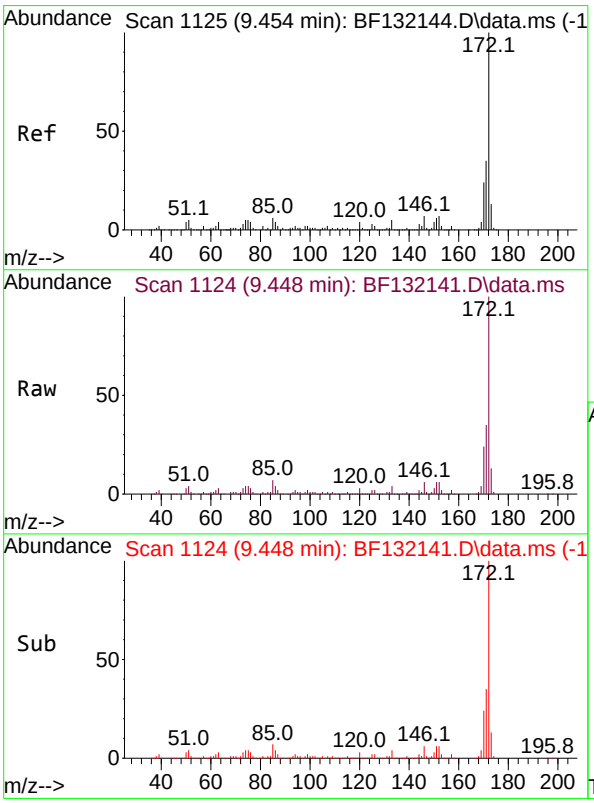
Ion	Ratio	Lower	Upper
196	100		
198	101.4	75.3	112.9
97	50.6	41.3	61.9
132	28.4	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

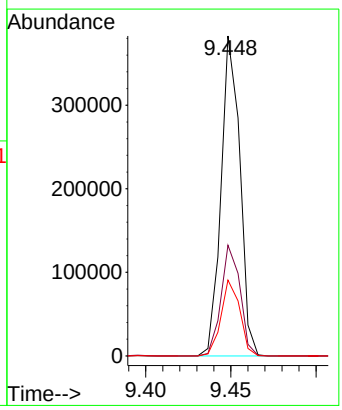
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

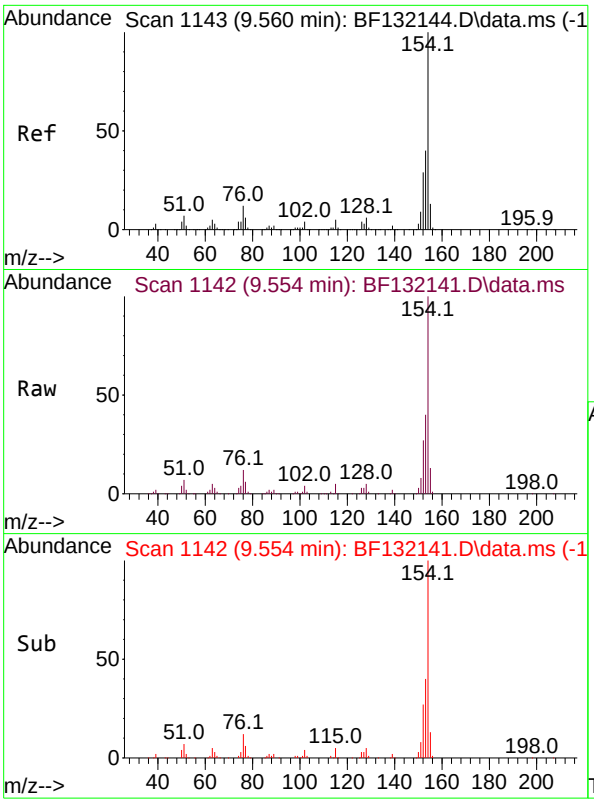


#45
2-Fluorobiphenyl
Concen: 13.062 ng
RT: 9.448 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:172 Resp: 294189

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.2	42.2
170	23.7	19.6	29.4

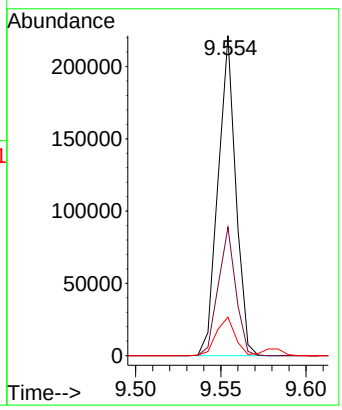




#46
1,1'-Biphenyl
Concen: 5.745 ng
RT: 9.554 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:154 Resp: 15976

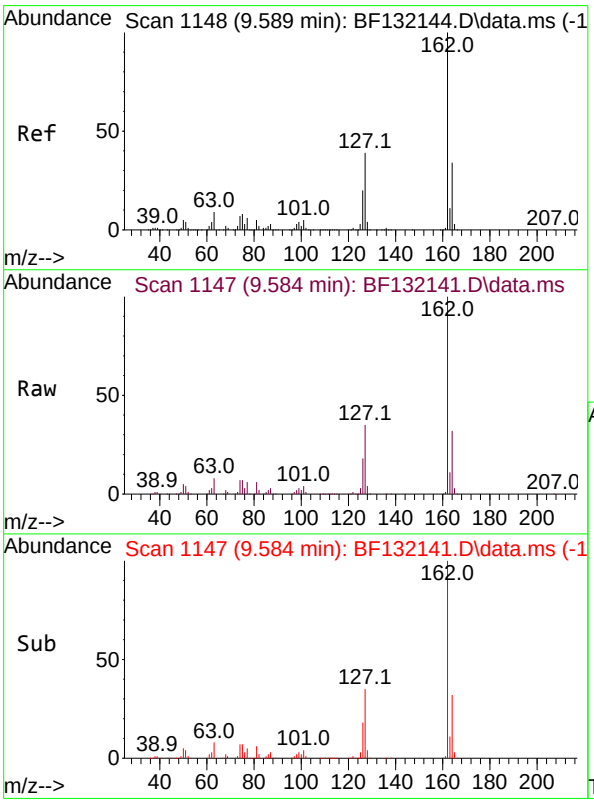
Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.2	60.2
76	12.0	0.0	32.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

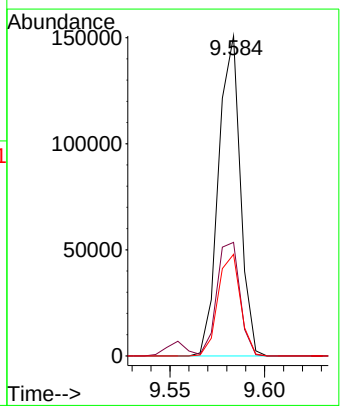
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

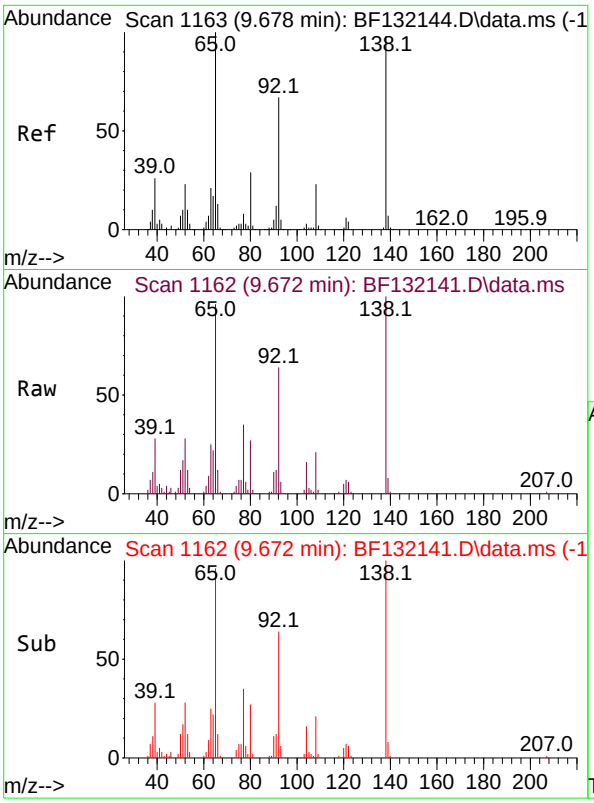


#47
2-Chloronaphthalene
Concen: 5.623 ng
RT: 9.584 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:162 Resp: 120880

Ion	Ratio	Lower	Upper
162	100		
127	35.5	31.1	46.7
164	31.7	26.9	40.3





#48
2-Nitroaniline
Concen: 3.488 ng
RT: 9.672 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

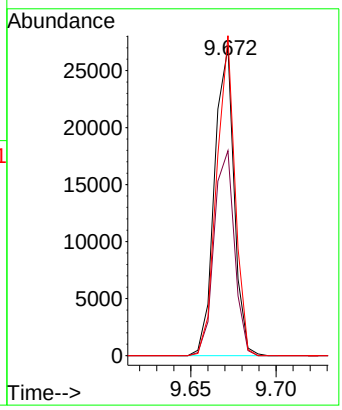
Tgt Ion: 65 Resp: 2159

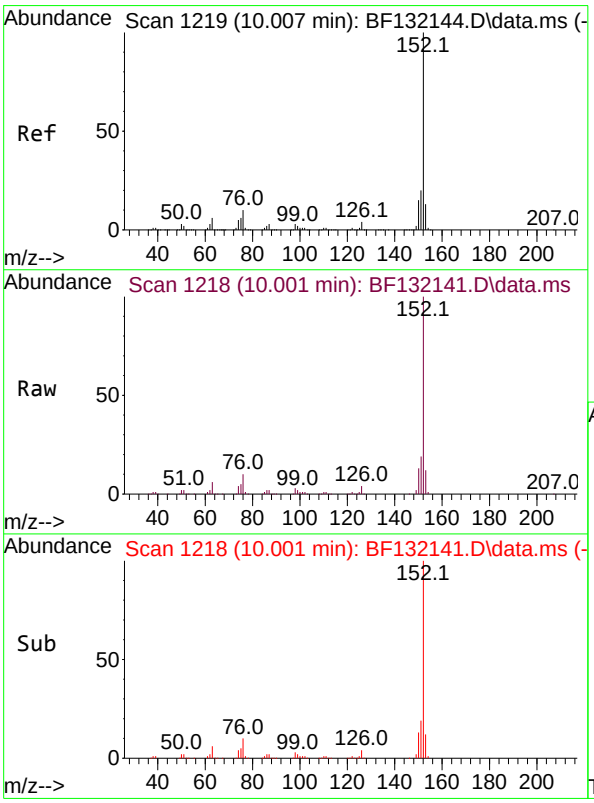
Ion	Ratio	Lower	Upper
65	100		
92	66.4	53.8	80.6
138	103.8	78.7	118.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

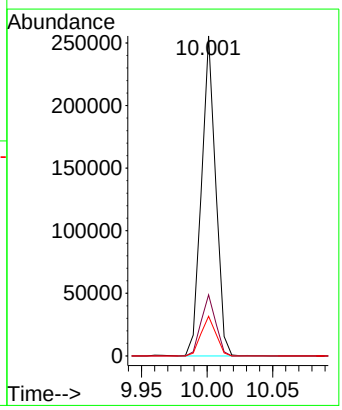


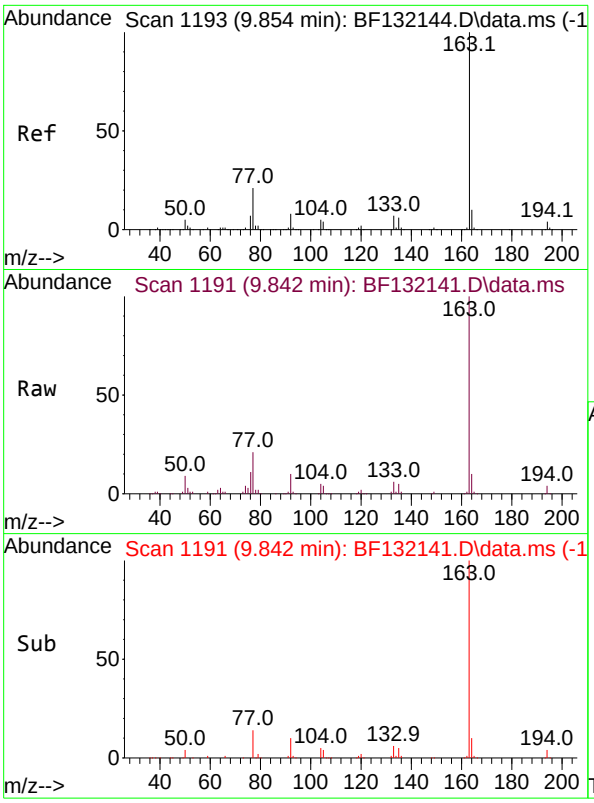


#49
Acenaphthylene
Concen: 5.586 ng
RT: 10.001 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:152 Resp: 192093

Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.4	24.6
153	12.4	10.6	15.8





#50
Dimethylphthalate
Concen: 5.393 ng
RT: 9.842 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

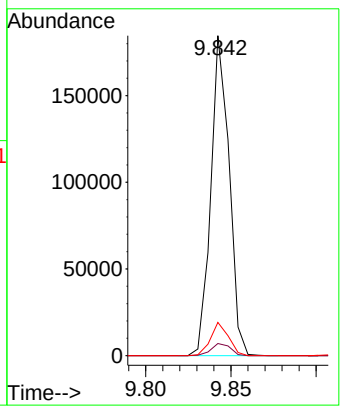
Tgt Ion:163 Resp: 13768

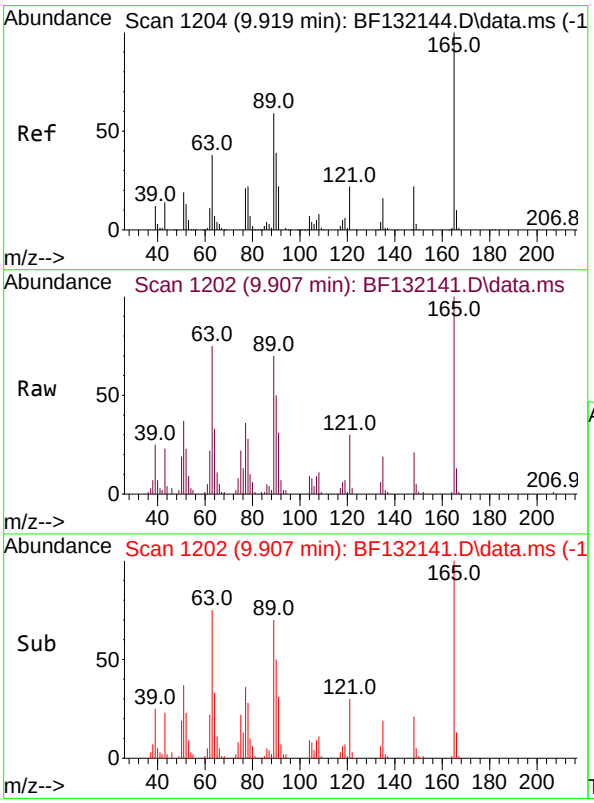
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.4	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

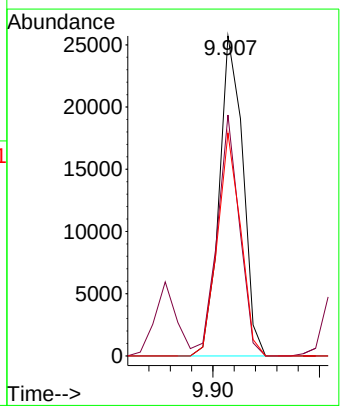


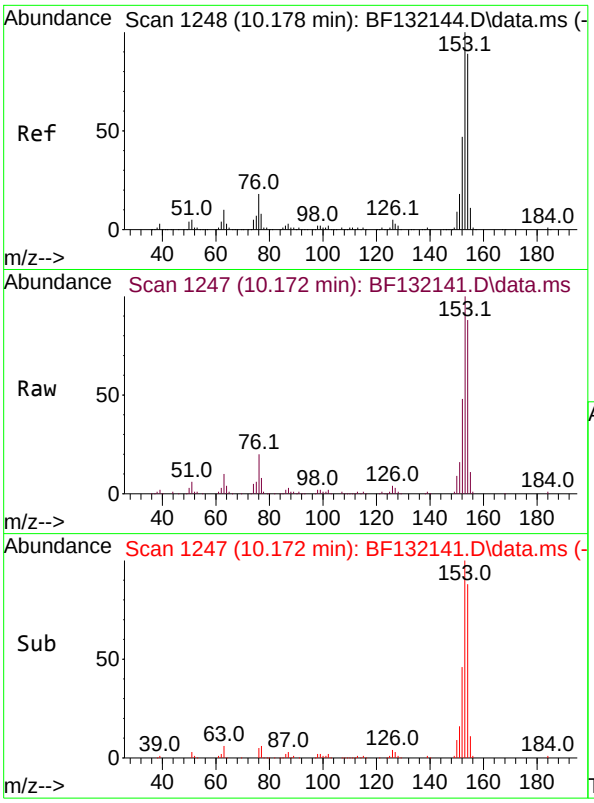


#51
2,6-Dinitrotoluene
Concen: 3.988 ng
RT: 9.907 min Scan# 1202
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:165 Resp: 19735

Ion	Ratio	Lower	Upper
165	100		
63	75.3	46.6	70.0#
89	69.6	47.4	71.2

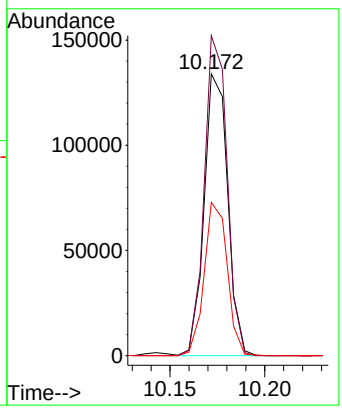




#52
Acenaphthene
Concen: 5.603 ng
RT: 10.172 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:154 Resp: 115909

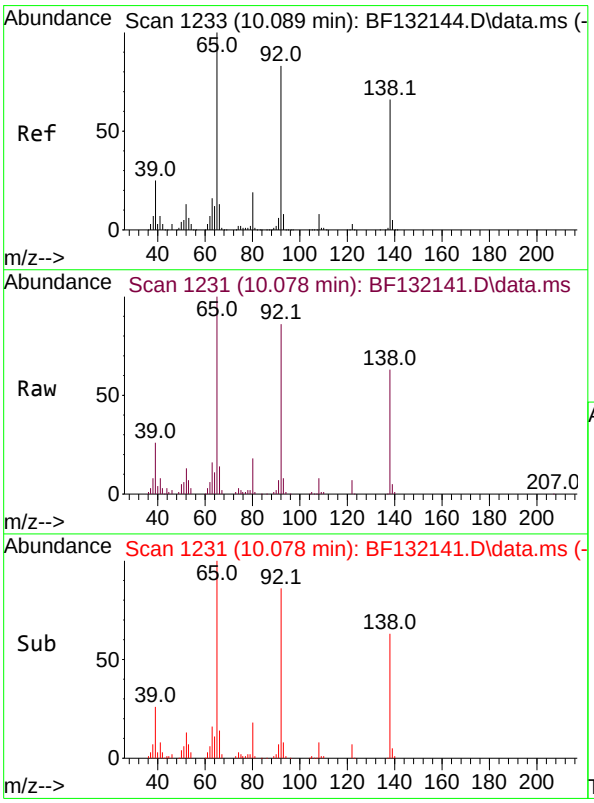
Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.8	134.8
152	54.4	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

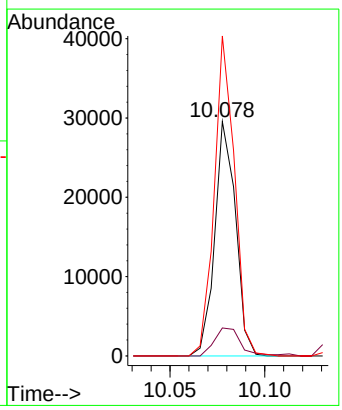
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

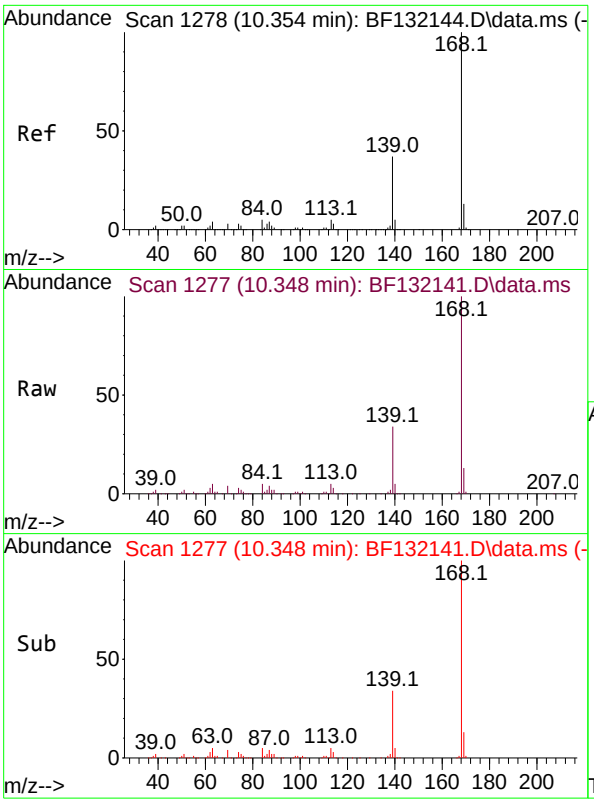


#53
3-Nitroaniline
Concen: 4.260 ng
RT: 10.078 min Scan# 1231
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:138 Resp: 22536

Ion	Ratio	Lower	Upper
138	100		
108	11.9	9.1	13.7
92	136.5	101.2	151.8





#55
Dibenzofuran
Concen: 5.731 ng
RT: 10.348 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

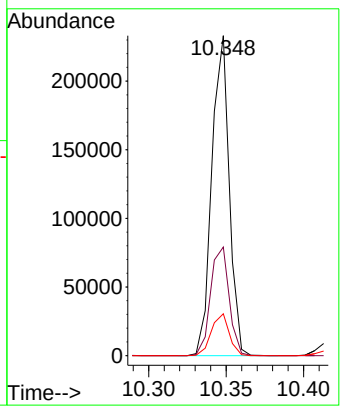
Tgt Ion:168 Resp: 18320

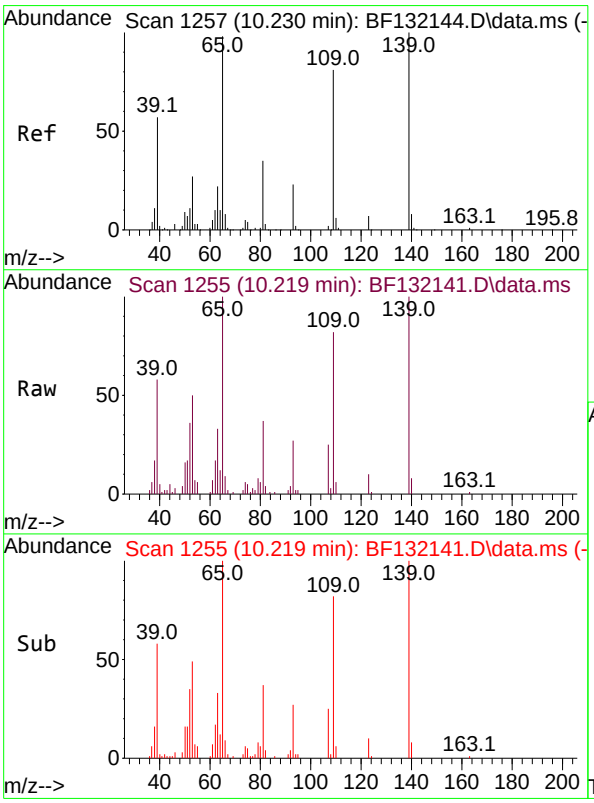
Ion	Ratio	Lower	Upper
168	100		
139	33.9	29.8	44.8
169	13.1	10.3	15.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

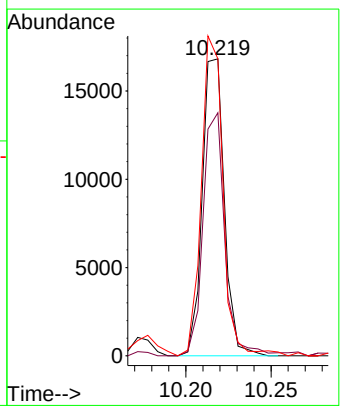


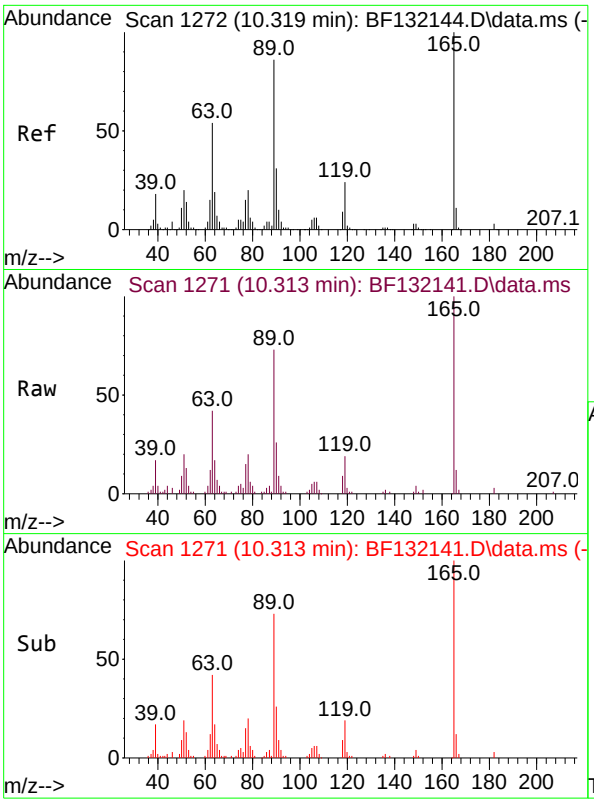


#56
4-Nitrophenol
Concen: 3.935 ng
RT: 10.219 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:139 Resp: 15152

Ion	Ratio	Lower	Upper
139	100		
109	81.8	61.0	101.0
65	100.0	79.3	119.3

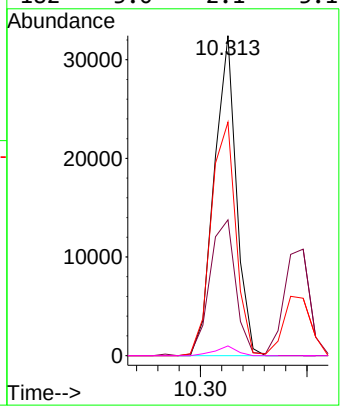




#57
2,4-Dinitrotoluene
Concen: 3.947 ng
RT: 10.313 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:165 Resp: 2344

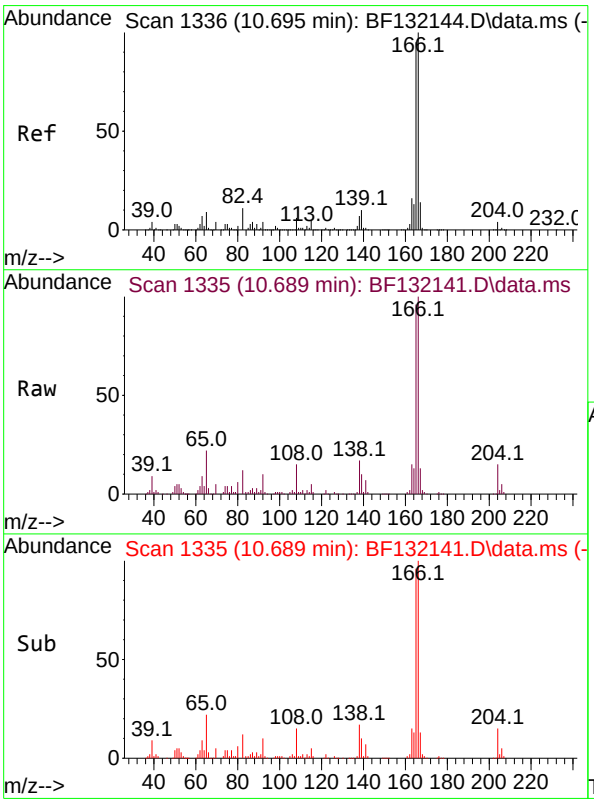
Ion	Ratio	Lower	Upper
165	100		
63	42.4	43.5	65.3#
89	72.9	69.0	103.6
182	3.0	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

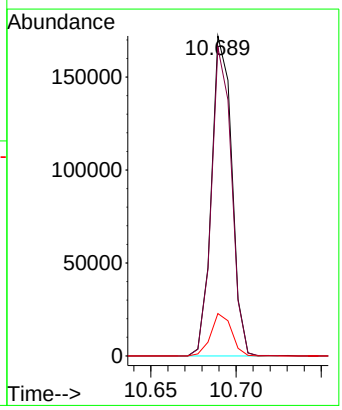
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

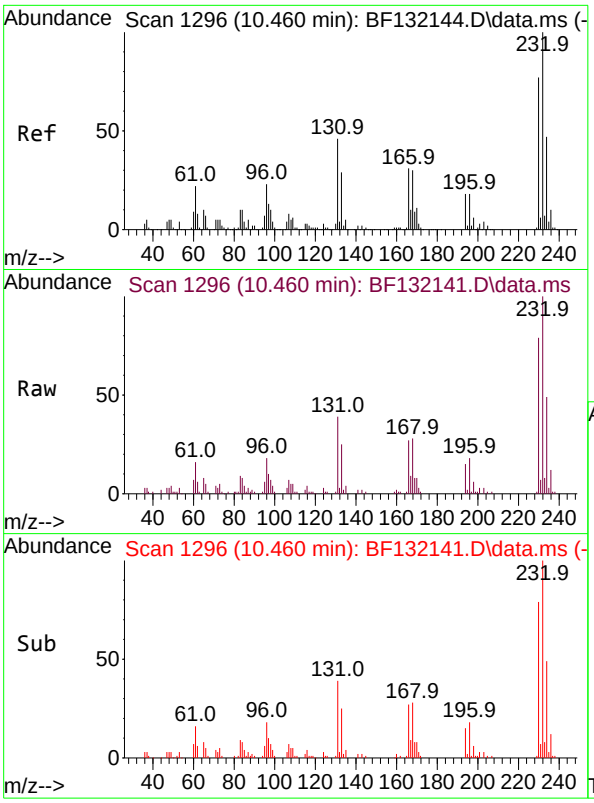


#58
Fluorene
Concen: 6.022 ng
RT: 10.689 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:166 Resp: 142641

Ion	Ratio	Lower	Upper
166	100		
165	96.4	76.4	114.6
167	13.2	11.0	16.4

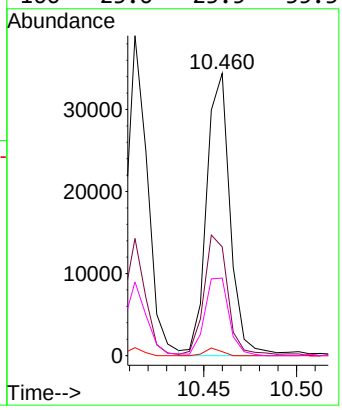




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.480 ng m
RT: 10.460 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:232 Resp: 3033

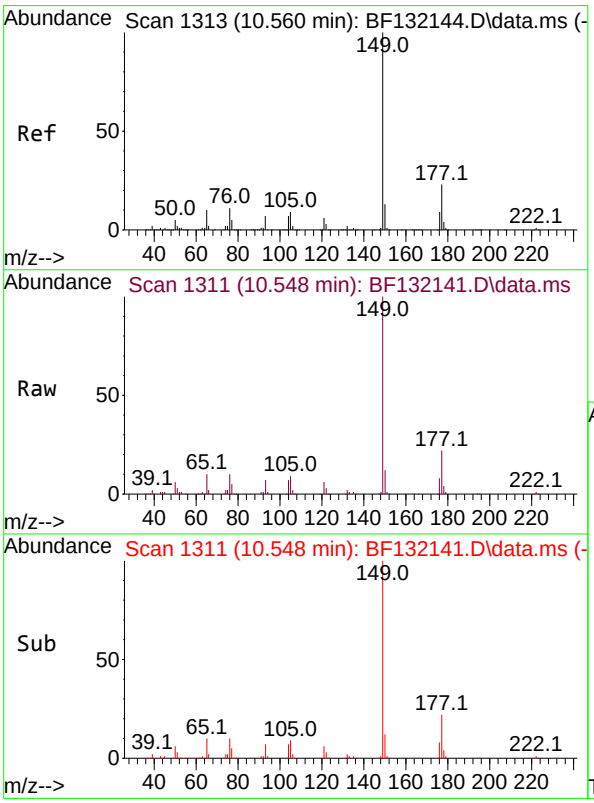
Ion	Ratio	Lower	Upper
232	100		
131	35.6	33.8	50.6
130	1.9	1.9	2.9#
166	23.6	23.5	35.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

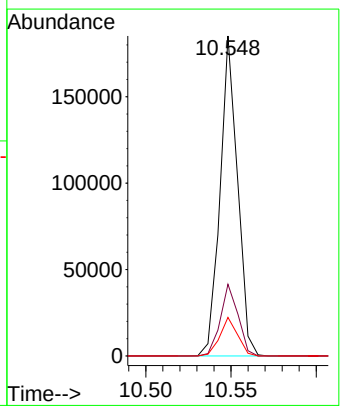
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

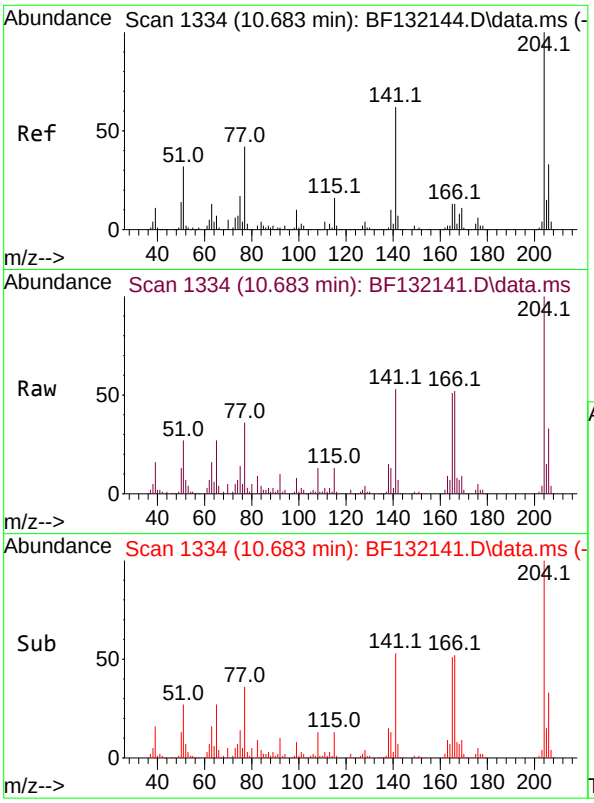


#60
Diethylphthalate
Concen: 5.264 ng
RT: 10.548 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:149 Resp: 131777

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.4	27.6
150	12.0	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 5.823 ng
RT: 10.683 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

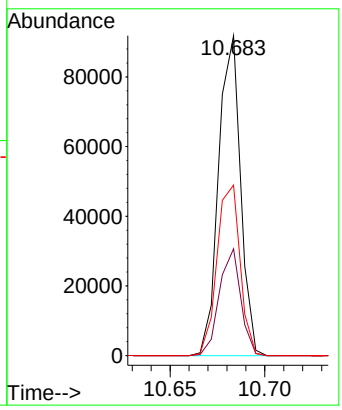
Tgt Ion:204 Resp: 7386

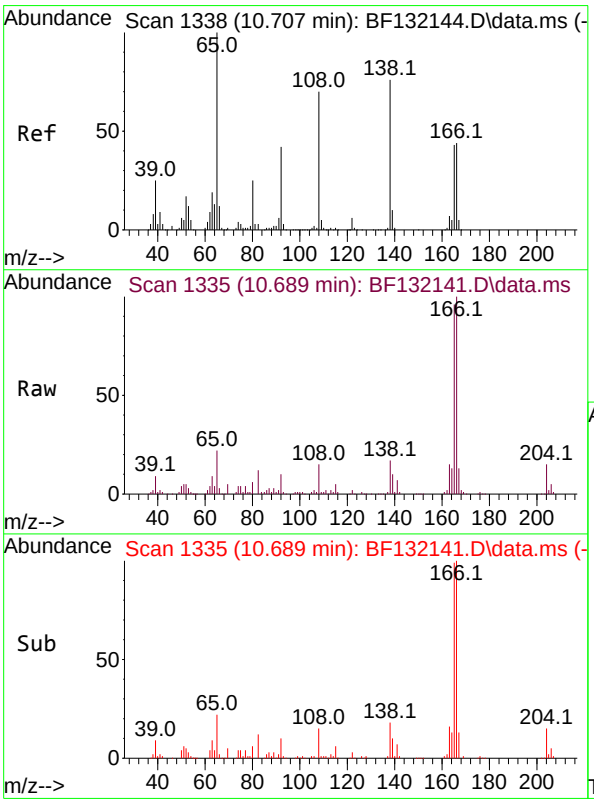
Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.4	39.6
141	53.3	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

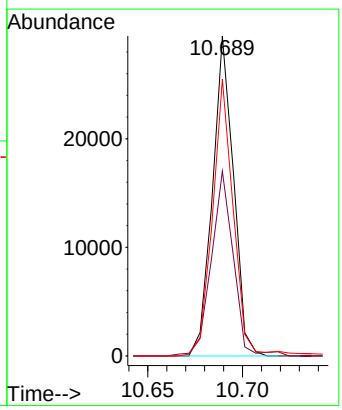


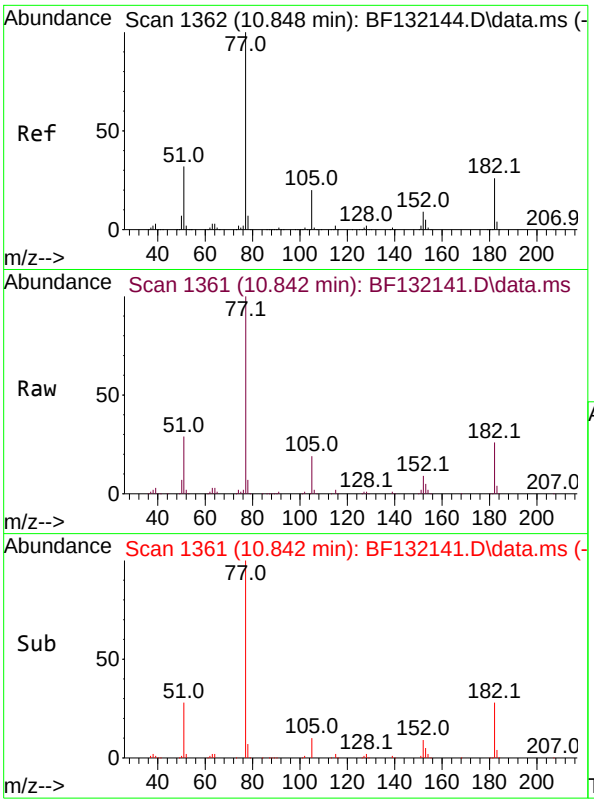


#62
4-Nitroaniline
Concen: 4.617 ng
RT: 10.689 min Scan# 1335
Delta R.T. -0.018 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:138 Resp: 22739

Ion	Ratio	Lower	Upper
138	100		
92	57.8	35.9	75.9
108	86.5	72.0	112.0

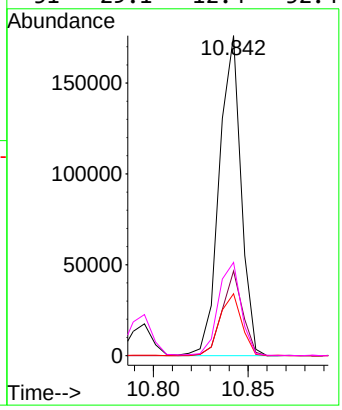




#63
Azobenzene
Concen: 5.590 ng
RT: 10.842 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 77 Resp: 14046

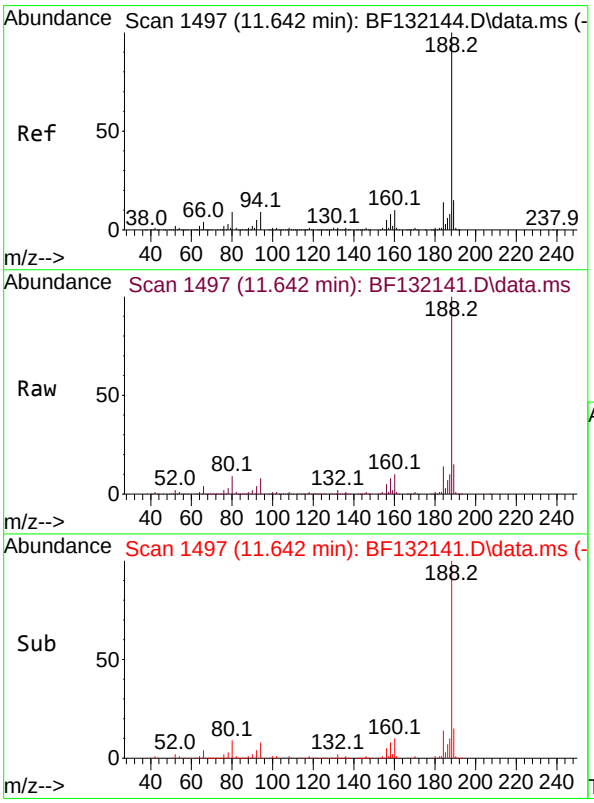
Ion	Ratio	Lower	Upper
77	100		
182	26.4	6.4	46.4
105	19.3	0.0	39.8
51	29.1	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

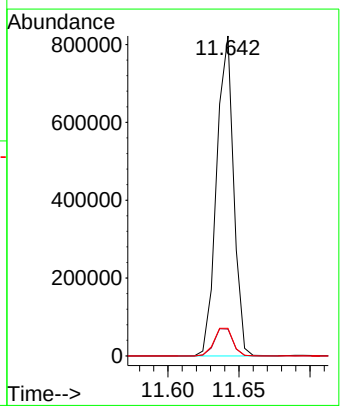
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

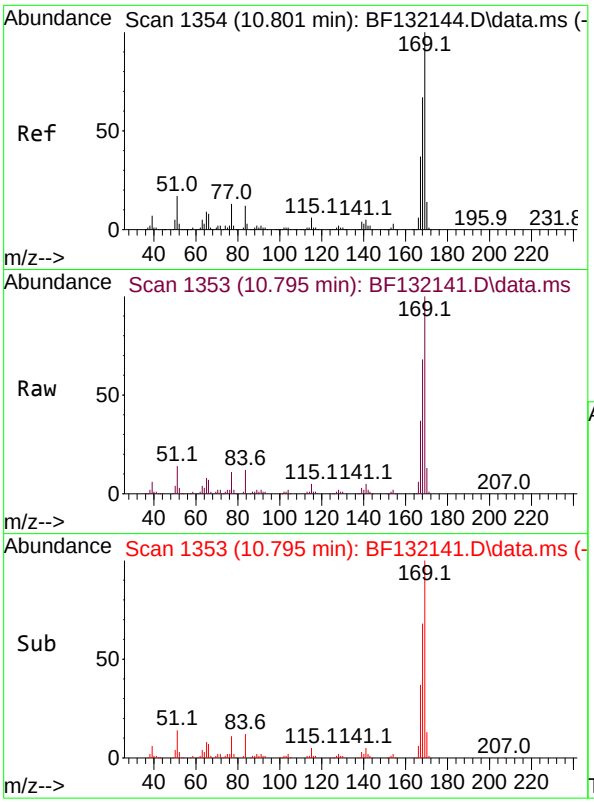


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.642 min Scan# 1497
Delta R.T. 0.000 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:188 Resp: 687824

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.9	10.3
80	8.6	7.5	11.3

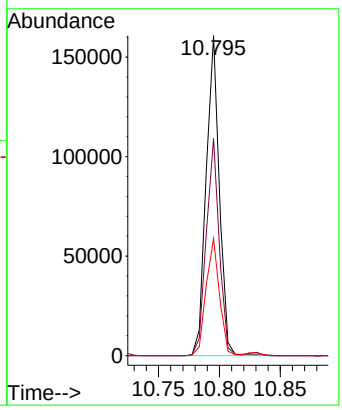




#66
n-Nitrosodiphenylamine
Concen: 5.507 ng
RT: 10.795 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:169 Resp: 12130

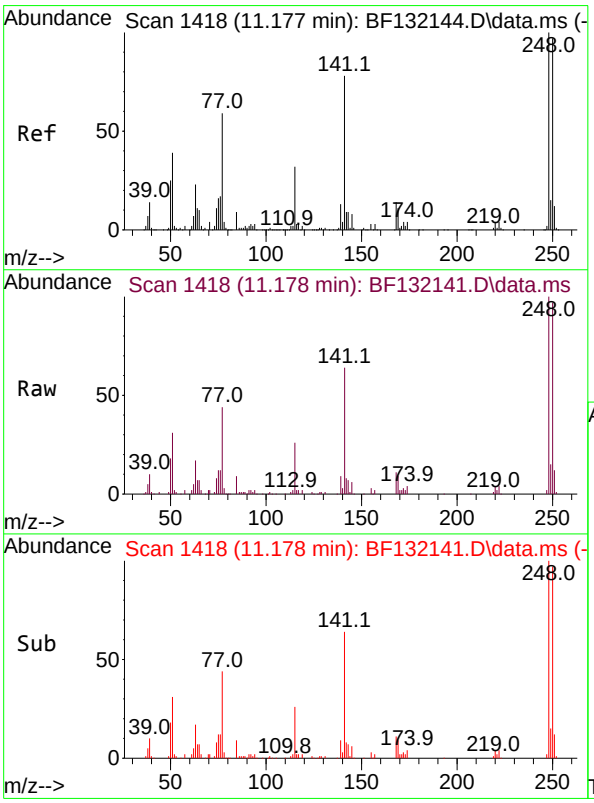
Ion	Ratio	Lower	Upper
169	100		
168	67.8	53.4	80.0
167	36.5	29.7	44.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

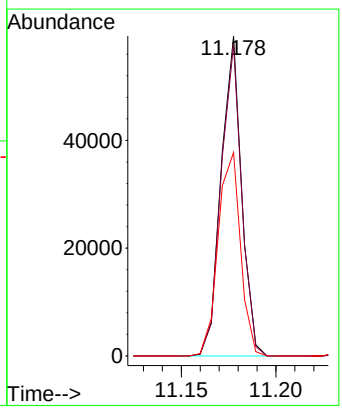
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

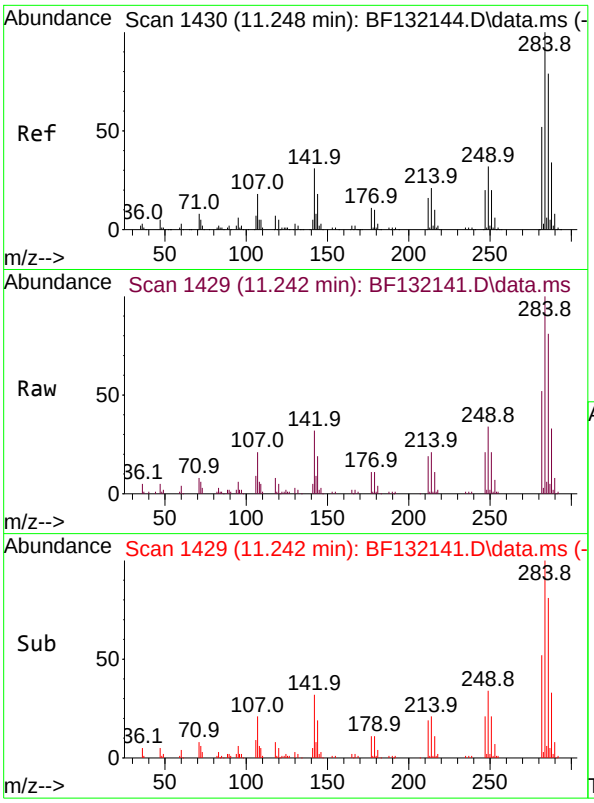


#67
4-Bromophenyl-phenylether
Concen: 5.327 ng
RT: 11.178 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:248 Resp: 44657

Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.4	116.0
141	63.6	62.2	93.2

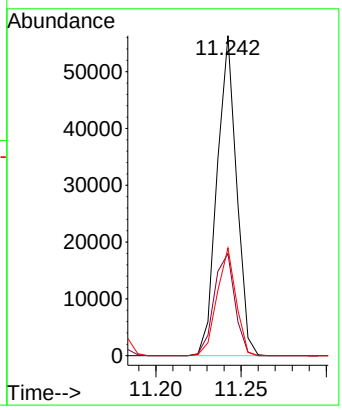




#68
Hexachlorobenzene
Concen: 5.376 ng
RT: 11.242 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:284 Resp: 4479

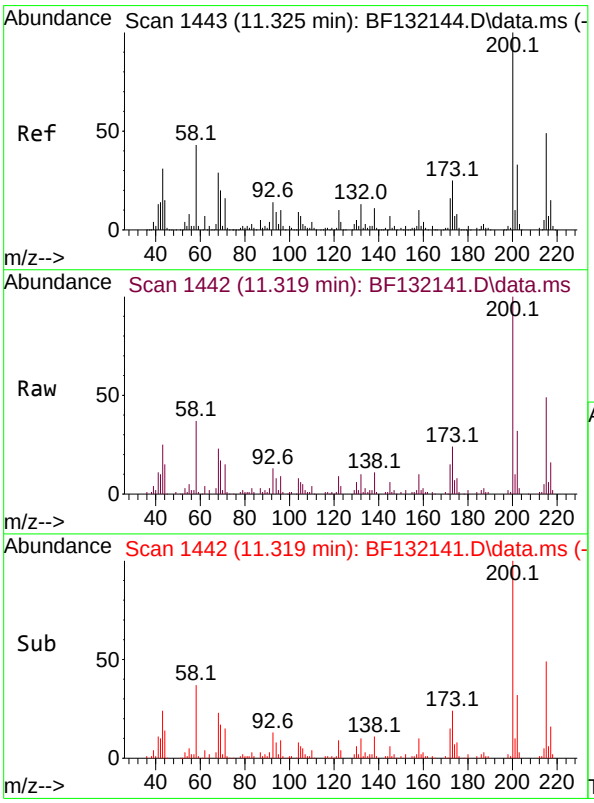
Ion	Ratio	Lower	Upper
284	100		
142	31.9	24.7	37.1
249	33.6	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

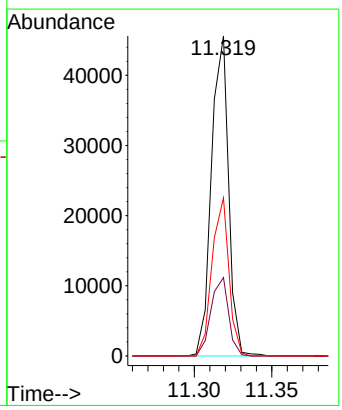
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

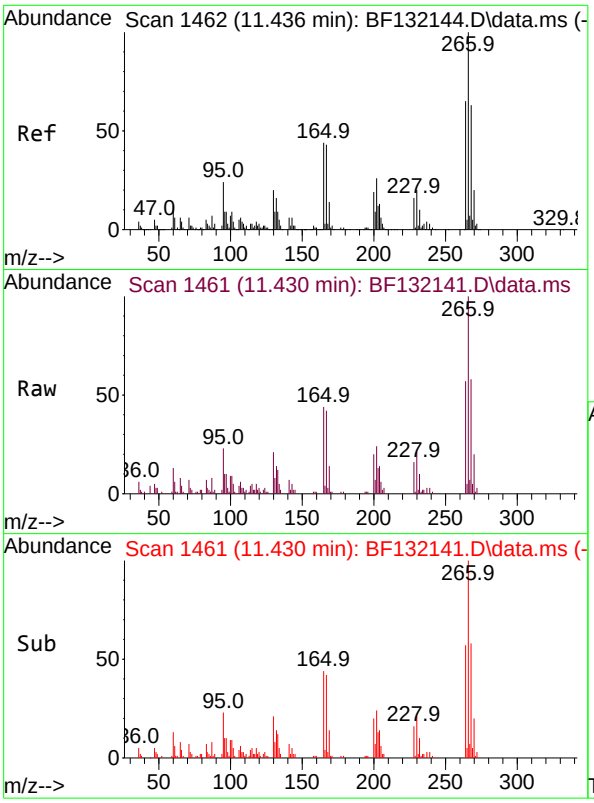


#69
Atrazine
Concen: 5.149 ng
RT: 11.319 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:200 Resp: 34994

Ion	Ratio	Lower	Upper
200	100		
173	24.5	5.0	45.0
215	49.4	28.6	68.6

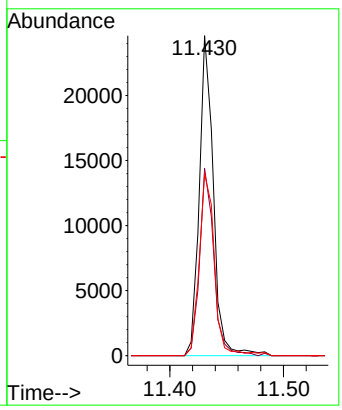




#70
Pentachlorophenol
Concen: 3.947 ng
RT: 11.430 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:266 Resp: 2113

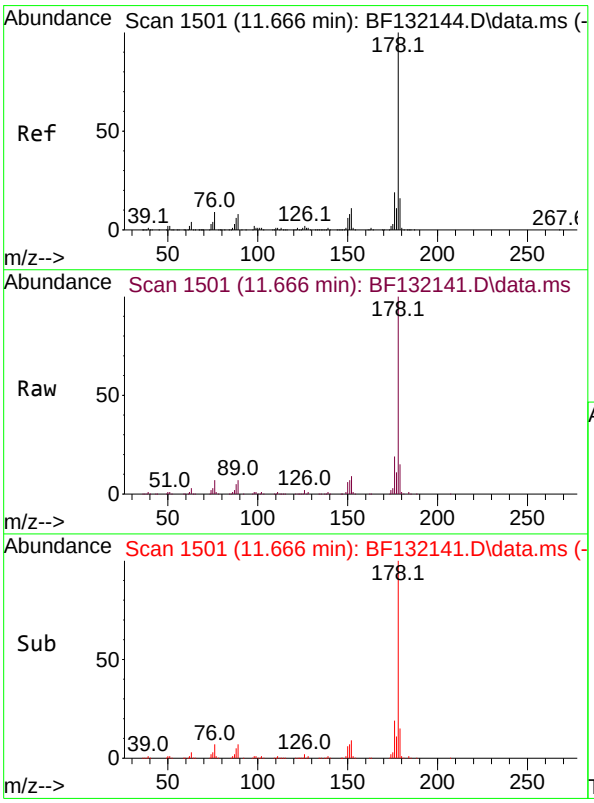
Ion	Ratio	Lower	Upper
266	100		
268	58.5	50.8	76.2
264	56.9	52.3	78.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

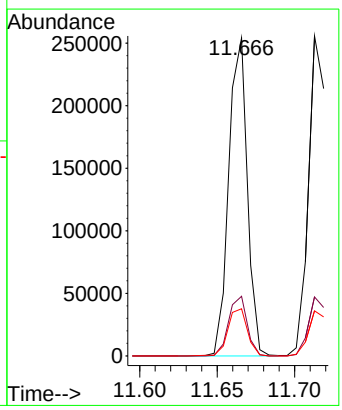
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

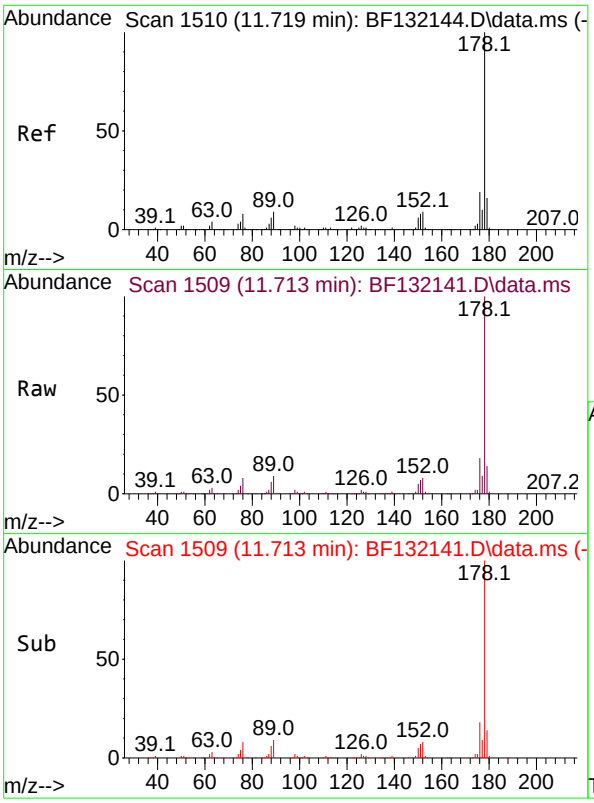


#71
Phenanthrene
Concen: 5.865 ng
RT: 11.666 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:178 Resp: 211702

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	14.8	12.6	19.0

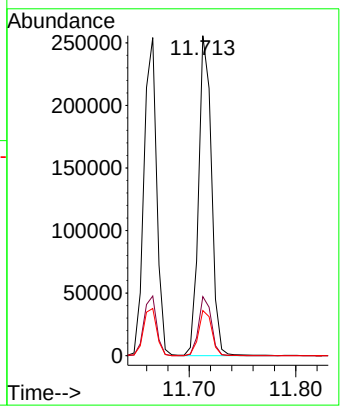




#72
Anthracene
Concen: 5.859 ng
RT: 11.713 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:178 Resp: 213968

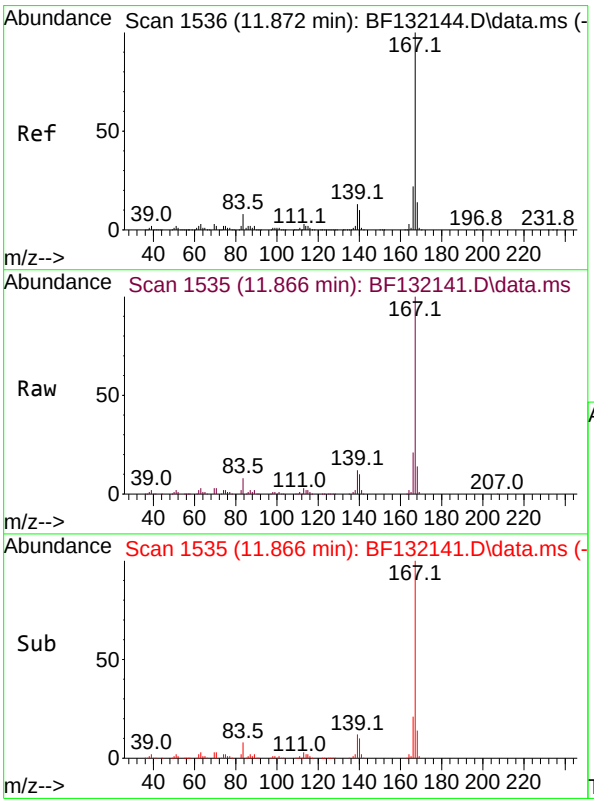
Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.3	22.9
179	14.1	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

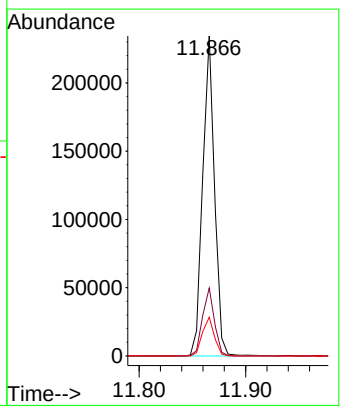
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

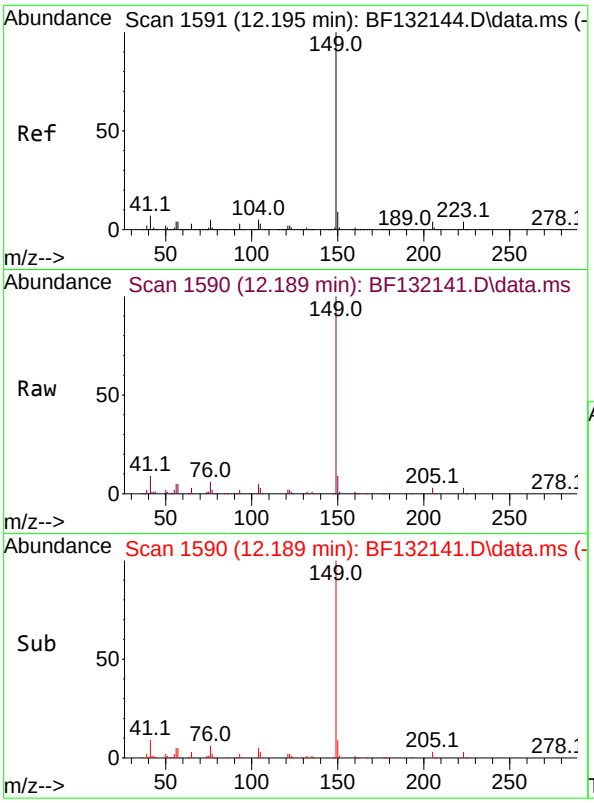


#73
Carbazole
Concen: 5.764 ng
RT: 11.866 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:167 Resp: 179791

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.7	26.5
139	12.1	10.5	15.7

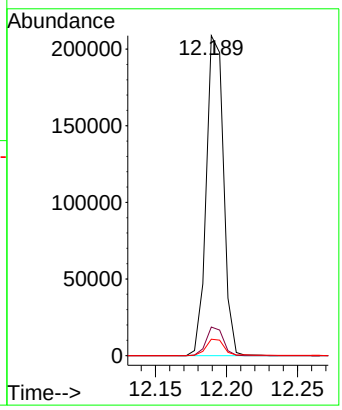




#74
Di-n-butylphthalate
Concen: 5.054 ng
RT: 12.189 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:149 Resp: 17550

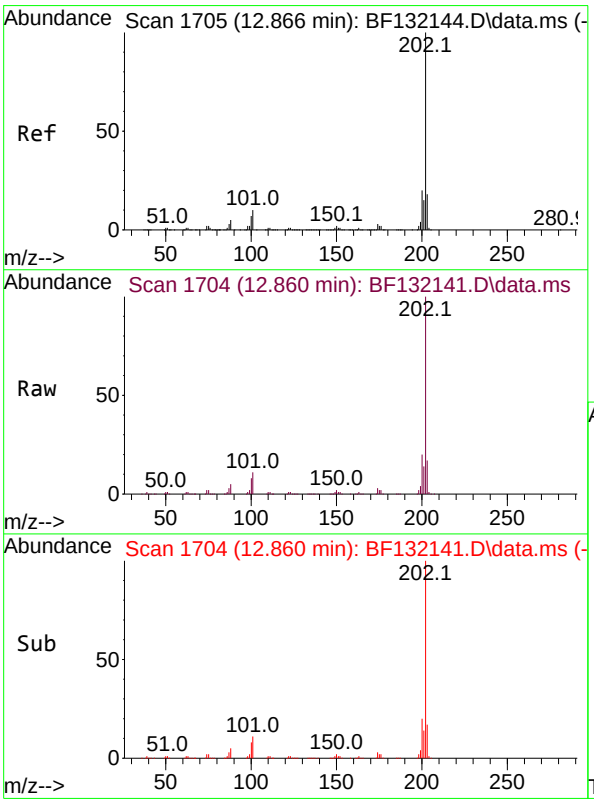
Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	5.1	4.3	6.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

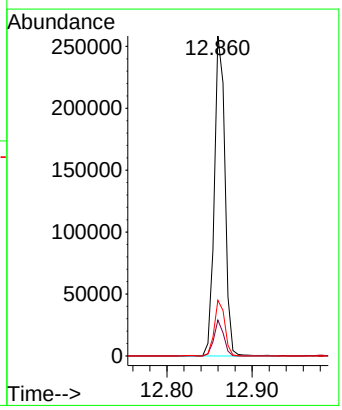
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

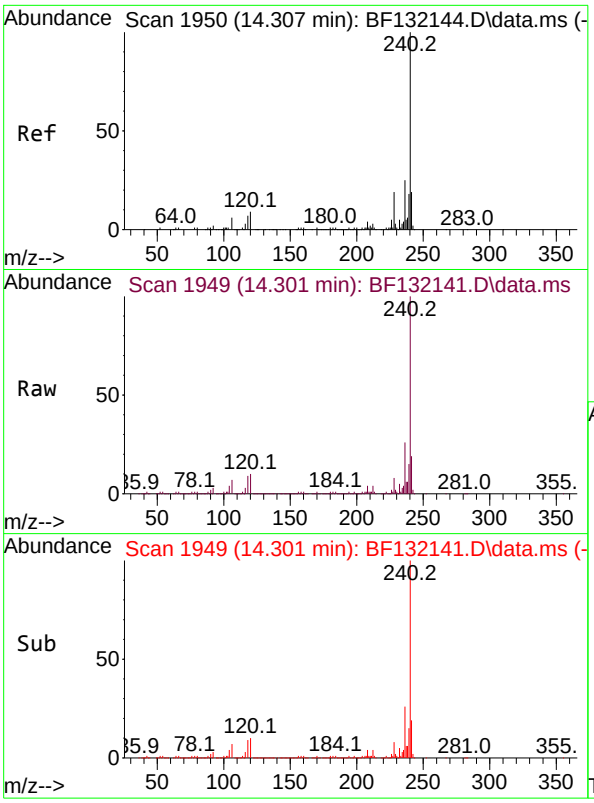


#75
Fluoranthene
Concen: 6.015 ng
RT: 12.860 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:202 Resp: 223006

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	29.6
203	17.4	0.0	37.9

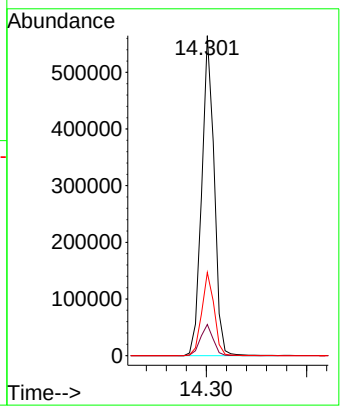




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.301 min Scan# 19
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:240 Resp: 48508

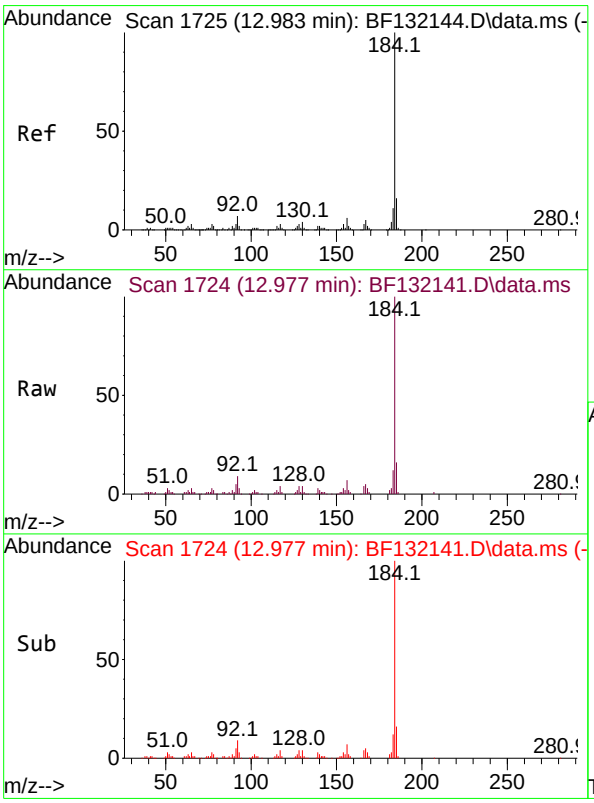
Ion	Ratio	Lower	Upper
240	100		
120	9.8	6.9	10.3
236	26.0	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

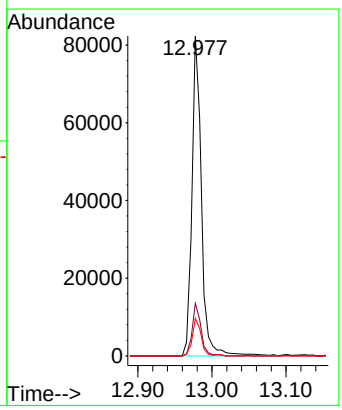
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

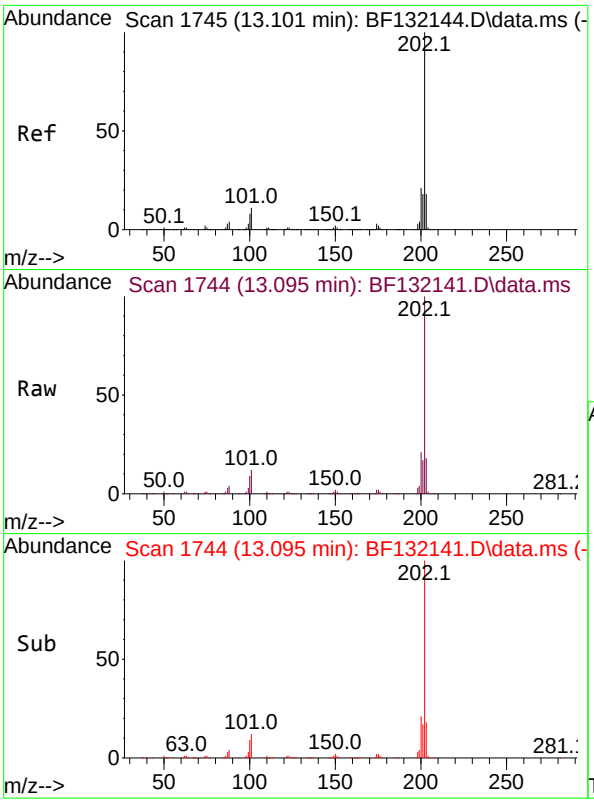


#77
Benzidine
Concen: 5.056 ng
RT: 12.977 min Scan# 1724
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:184 Resp: 73637

Ion	Ratio	Lower	Upper
184	100		
185	16.4	12.5	18.7
183	11.7	9.0	13.4





#78
Pyrene
Concen: 5.169 ng
RT: 13.095 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

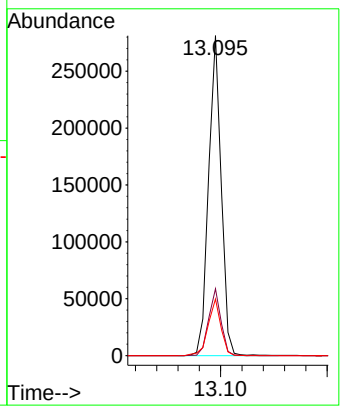
Tgt Ion:202 Resp: 2310

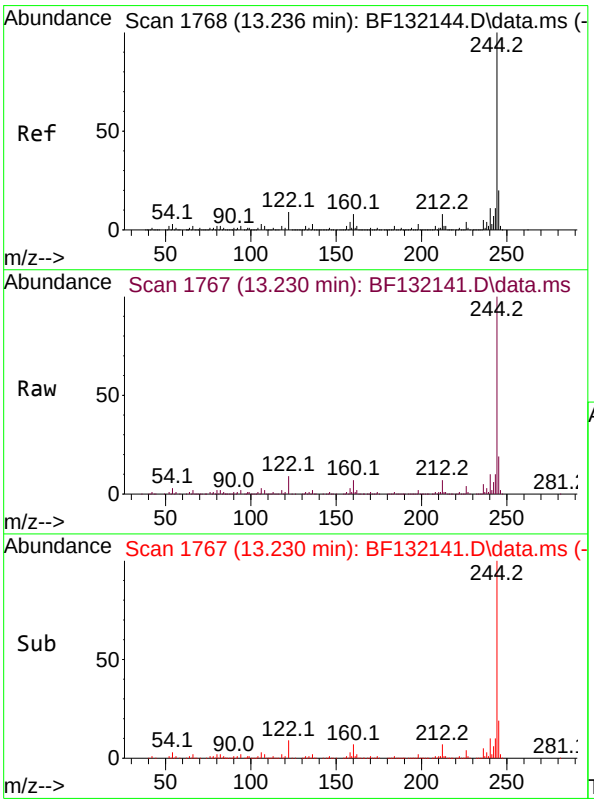
Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.7	14.0	21.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

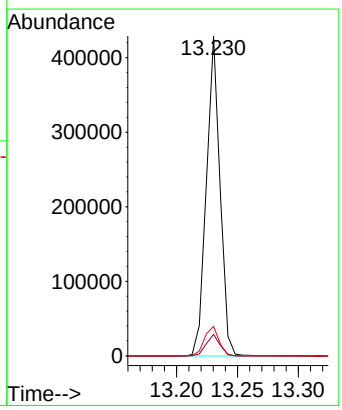


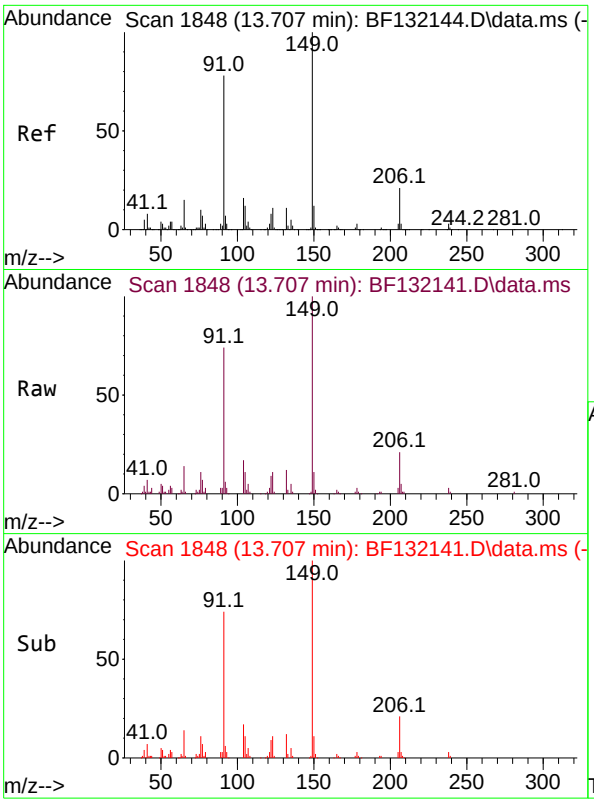


#79
Terphenyl-d14
Concen: 11.543 ng
RT: 13.230 min Scan# 1767
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:244 Resp: 334255

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.7	10.1#
122	9.2	7.4	11.2





#80
Butylbenzylphthalate
Concen: 3.373 ng
RT: 13.707 min Scan# 18
Delta R.T. -0.000 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

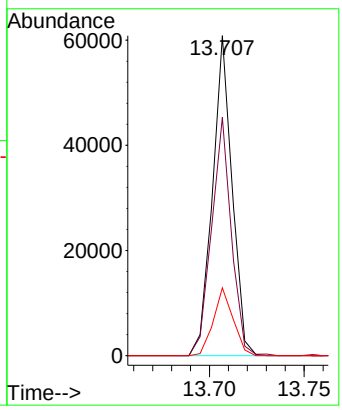
Tgt Ion:149 Resp: 4369

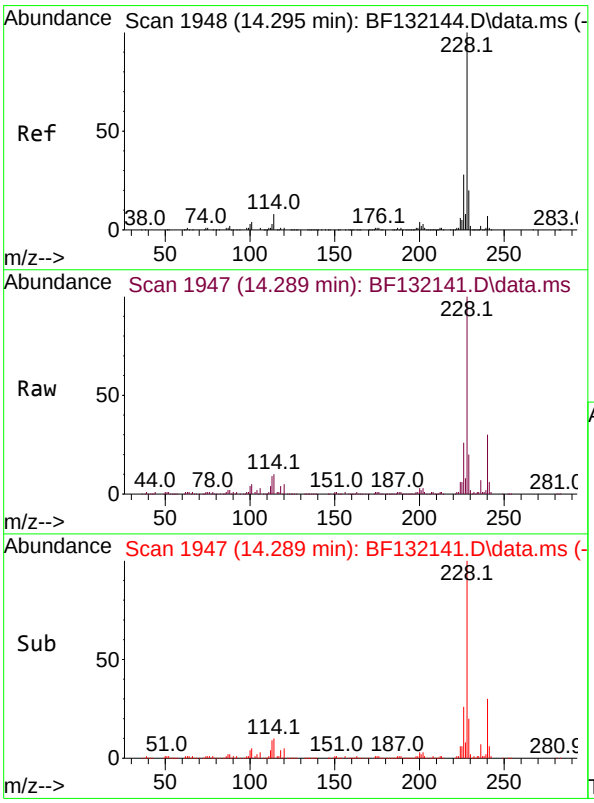
Ion	Ratio	Lower	Upper
149	100		
91	74.5	62.6	94.0
206	21.2	16.4	24.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

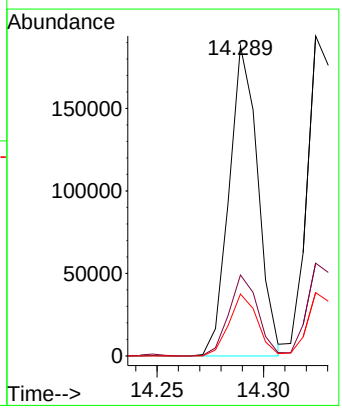


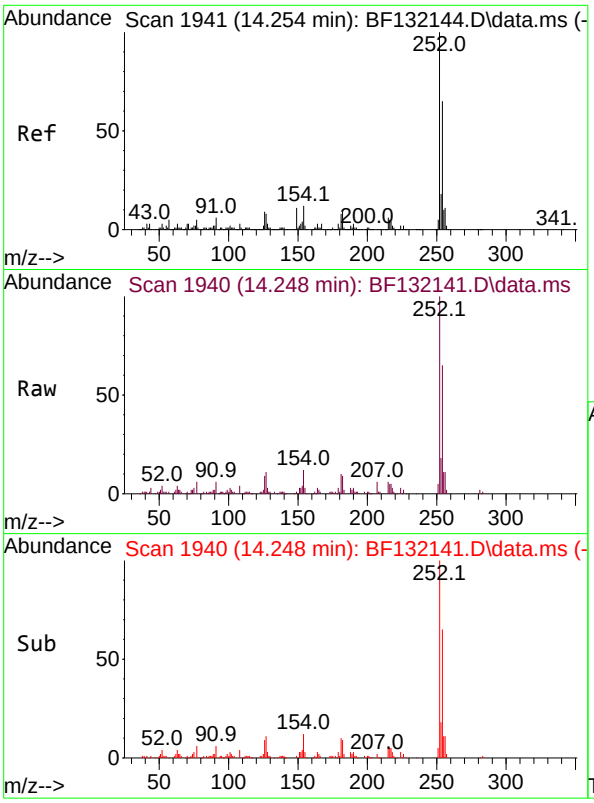


#81
Benzo(a)anthracene
Concen: 5.087 ng
RT: 14.289 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:228 Resp: 176274

Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.5	33.7
229	20.0	16.1	24.1

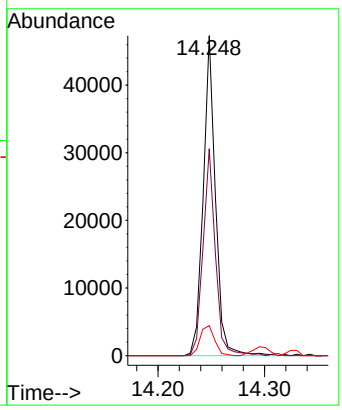




#82
3,3'-Dichlorobenzidine
Concen: 3.900 ng
RT: 14.248 min Scan# 19
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:252 Resp: 3764

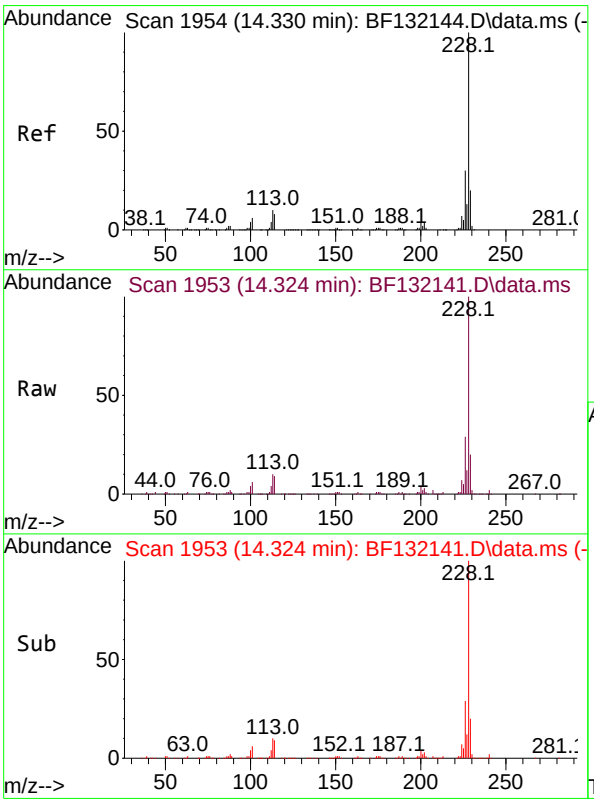
Ion	Ratio	Lower	Upper
252	100		
254	64.7	52.4	78.6
126	9.4	7.0	10.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

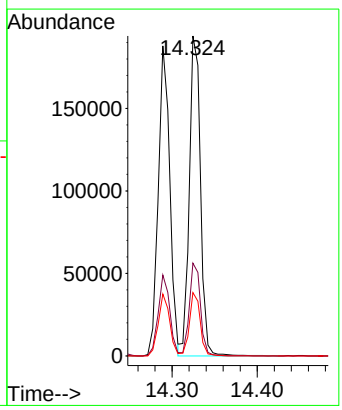
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

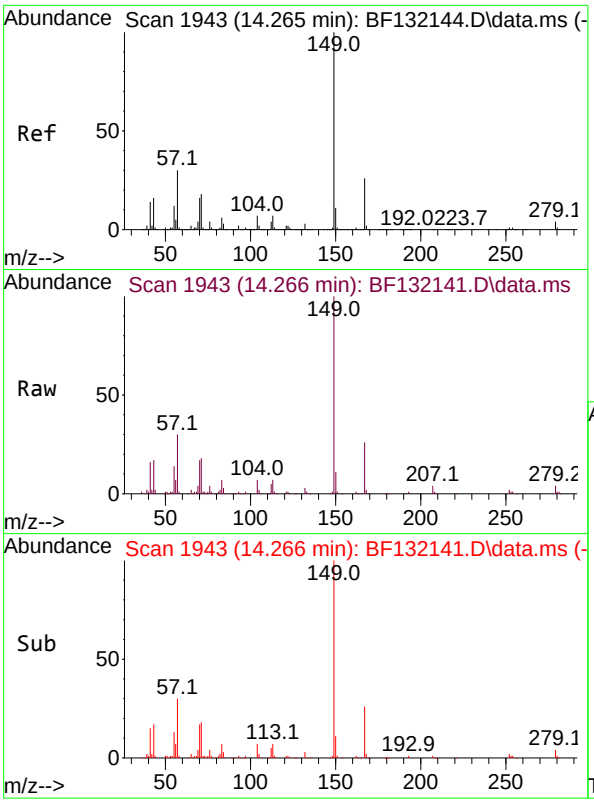


#83
Chrysene
Concen: 5.358 ng
RT: 14.324 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:228 Resp: 176738

Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.3	36.5
229	19.8	15.8	23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.345 ng
RT: 14.266 min Scan# 19
Delta R.T. 0.001 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

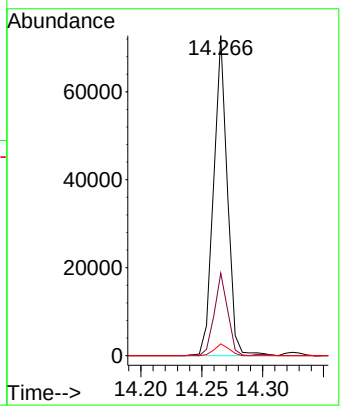
Tgt Ion:149 Resp: 5722

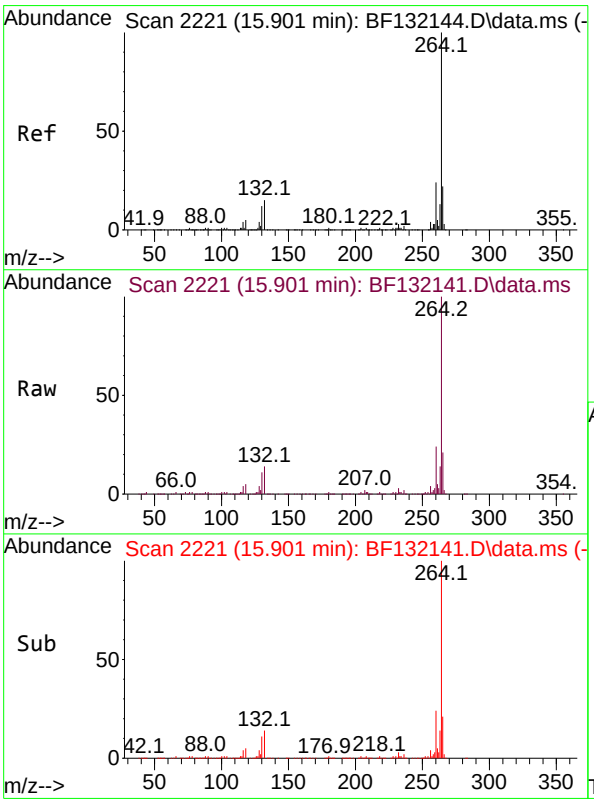
Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.0	31.6
279	3.7	3.2	4.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

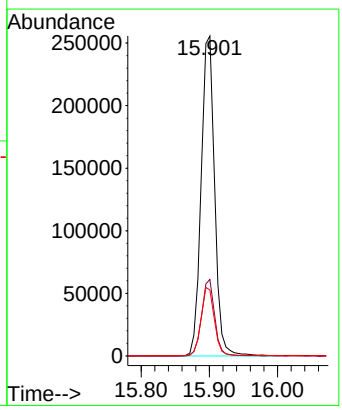


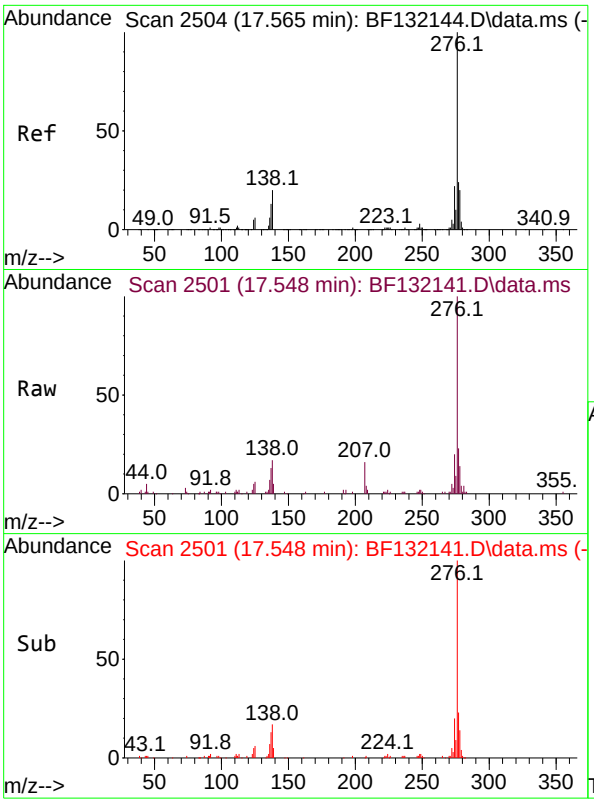


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.901 min Scan# 2221
Delta R.T. 0.000 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:264 Resp: 352188

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	20.6	17.4	26.0

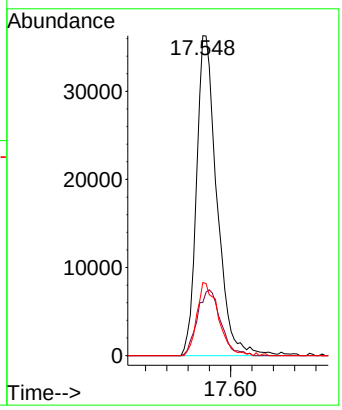




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.765 ng
RT: 17.548 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:276 Resp: 9621

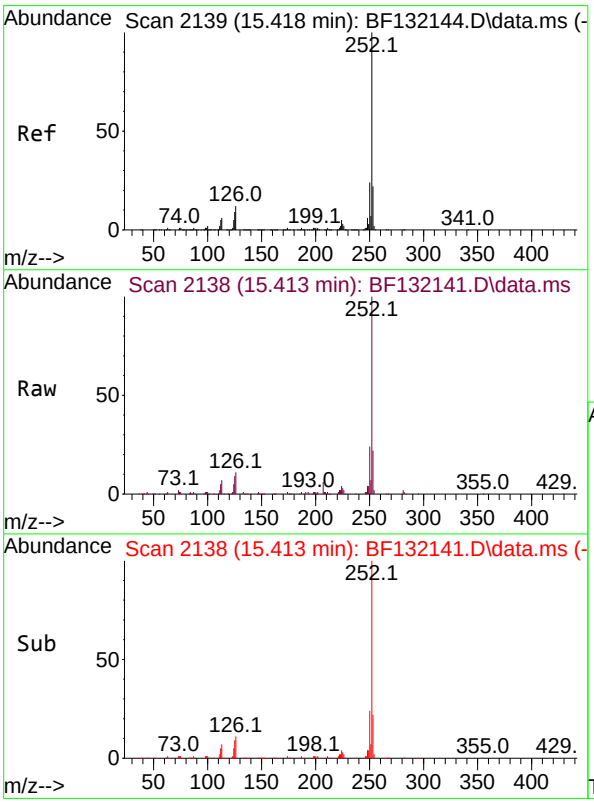
Ion	Ratio	Lower	Upper
276	100		
138	23.6	17.9	26.9
277	24.0	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

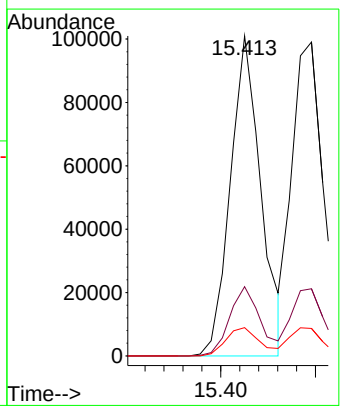
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

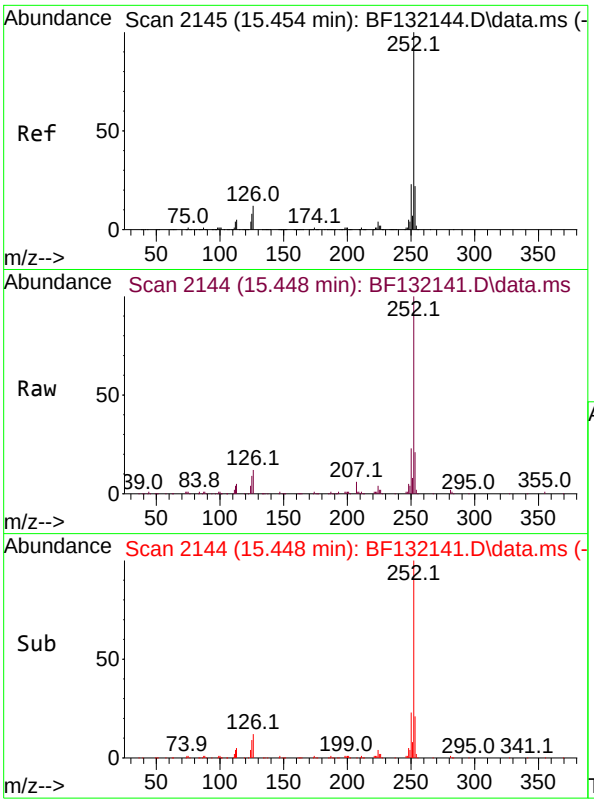


#88
Benzo(b)fluoranthene
Concen: 5.288 ng
RT: 15.413 min Scan# 2138
Delta R.T. -0.005 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:252 Resp: 113397

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	8.8	7.2	10.8

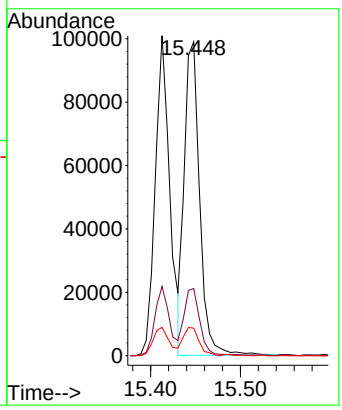




#89
Benzo(k)fluoranthene
Concen: 5.377 ng
RT: 15.448 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:252 Resp: 11760

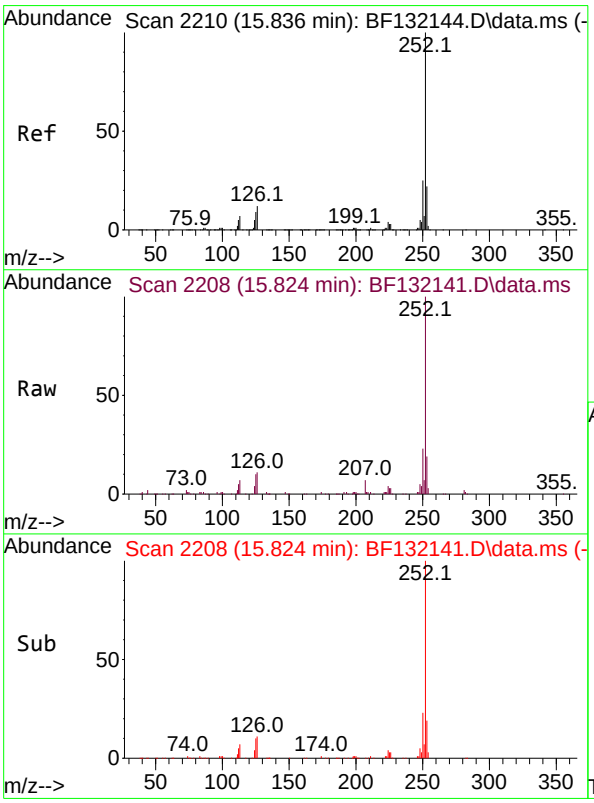
Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	8.8	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

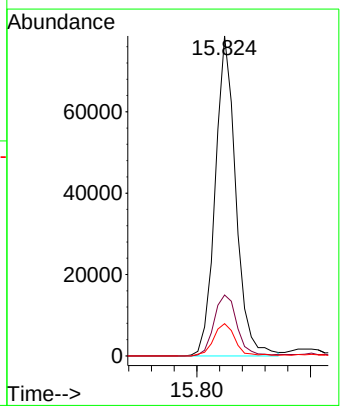
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

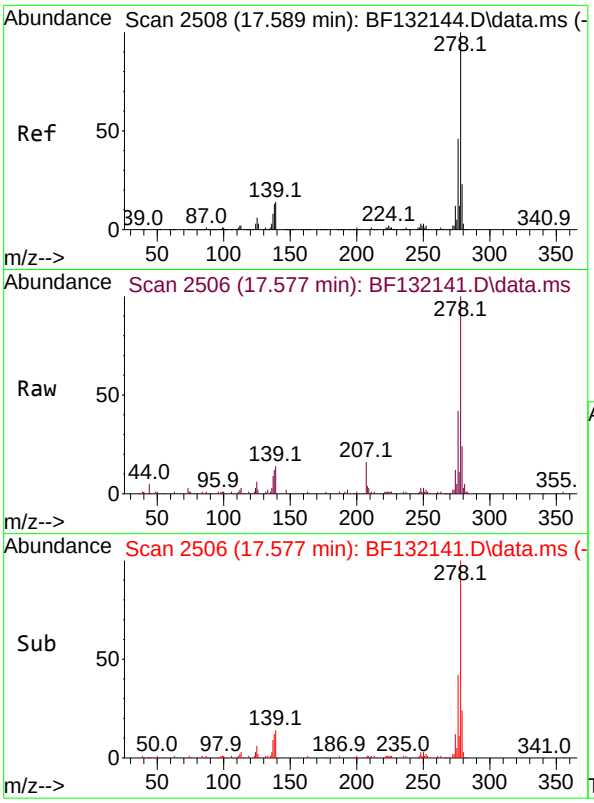


#90
Benzo(a)pyrene
Concen: 4.796 ng
RT: 15.824 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:252 Resp: 98927

Ion	Ratio	Lower	Upper
252	100		
253	19.0	17.5	26.3
125	10.1	7.3	10.9

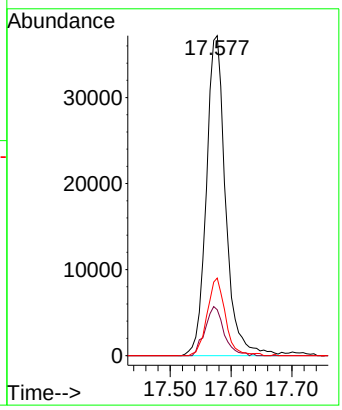




#91
Dibenzo(a,h)anthracene
Concen: 3.912 ng
RT: 17.577 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:278 Resp: 8154

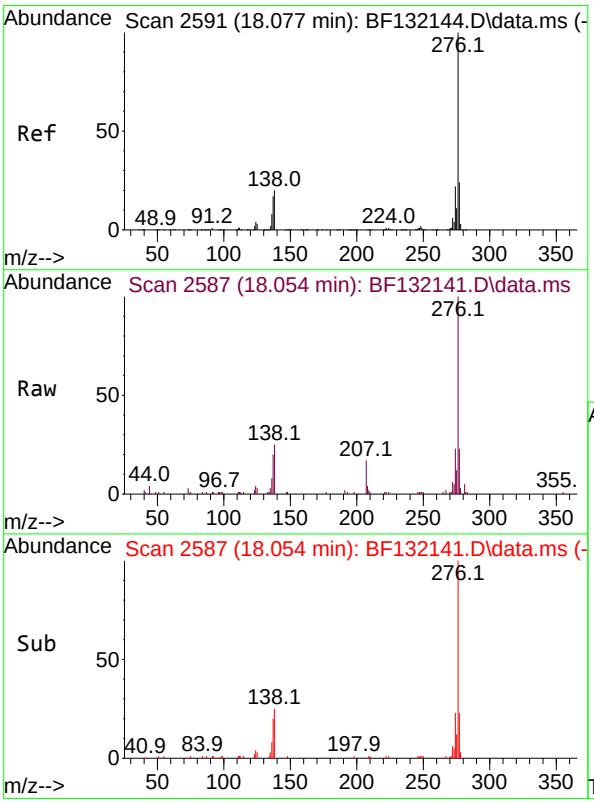
Ion	Ratio	Lower	Upper
278	100		
139	14.3	11.4	17.2
279	24.2	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

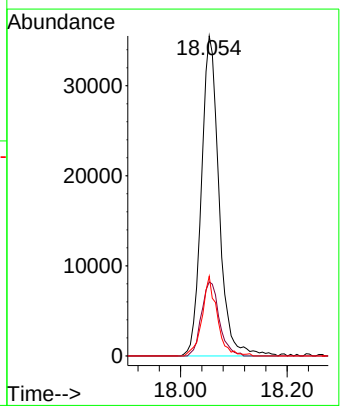
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#92
Benzo(g,h,i)perylene
Concen: 3.715 ng
RT: 18.054 min Scan# 2587
Delta R.T. -0.023 min
Lab File: BF132141.D
Acq: 19 Jan 2023 11:53

Tgt Ion:276 Resp: 81471

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.9	28.3
138	24.9	15.7	23.5#



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132142.D
Acq On : 19 Jan 2023 12:26
Operator : CG\JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jan 20 00:10:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.090	152	181294	20.000	ng	0.00
21) Naphthalene-d8	8.378	136	635776	20.000	ng	0.00
39) Acenaphthene-d10	10.142	164	343275	20.000	ng	0.00
64) Phenanthrene-d10	11.642	188	671726	20.000	ng	0.00
76) Chrysene-d12	14.301	240	434613	20.000	ng	0.00
86) Perylene-d12	15.901	264	339398	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.701	112	225836	21.761	ng	0.00
7) Phenol-d6	6.690	99	279343	21.382	ng	-0.01
23) Nitrobenzene-d5	7.648	82	232920	19.462	ng	0.00
42) 2,4,6-Tribromophenol	10.930	330	70890	19.333	ng	0.00
45) 2-Fluorobiphenyl	9.454	172	524790	23.925	ng	0.00
79) Terphenyl-d14	13.230	244	564308	21.750	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.019	88	53539	10.183	ng	98
3) Pyridine	3.778	79	139529	9.886	ng	98
4) n-Nitrosodimethylamine	3.719	42	63909	9.628	ng	99
6) Aniline	6.748	93	189455	10.428	ng	97
8) 2-Chlorophenol	6.872	128	118344	10.848	ng	92
9) Benzaldehyde	6.643	77	98463	11.715	ng	97
10) Phenol	6.701	94	148332	10.906	ng	95
11) bis(2-Chloroethyl)ether	6.813	93	121564	10.559	ng	99
12) 1,3-Dichlorobenzene	7.031	146	132193	10.841	ng	96
13) 1,4-Dichlorobenzene	7.107	146	131526	10.809	ng	99
14) 1,2-Dichlorobenzene	7.260	146	126058	11.204	ng	96
15) Benzyl Alcohol	7.219	79	99939	9.866	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.354	45	177617	10.614	ng	98
17) 2-Methylphenol	7.319	107	99555	10.417	ng	98
18) Hexachloroethane	7.607	117	44062	10.088	ng	97
19) n-Nitroso-di-n-propyla...	7.484	70	87979	10.994	ng	97
20) 3+4-Methylphenols	7.472	107	130094	10.803	ng	95
22) Acetophenone	7.490	105	167799	10.981	ng	96
24) Nitrobenzene	7.666	77	124607	9.834	ng	96
25) Isophorone	7.901	82	235392	10.052	ng	99
26) 2-Nitrophenol	7.984	139	33479	7.579	ng	97
27) 2,4-Dimethylphenol	8.007	122	104848	10.348	ng	98
28) bis(2-Chloroethoxy)met...	8.113	93	149878	10.668	ng	97
29) 2,4-Dichlorophenol	8.219	162	94733	9.848	ng	98
30) 1,2,4-Trichlorobenzene	8.313	180	114575	10.486	ng	100
31) Naphthalene	8.401	128	355602	10.891	ng	98
32) Benzoic acid	8.066	122	37655	6.331	ng	92
33) 4-Chloroaniline	8.437	127	150762	10.789	ng	96
34) Hexachlorobutadiene	8.513	225	74489	10.148	ng	99
35) Caprolactam	8.778	113	25712	9.443	ng	87
36) 4-Chloro-3-methylphenol	8.901	107	97071	10.027	ng	98
37) 2-Methylnaphthalene	9.089	142	248900	11.072	ng	96
38) 1-Methylnaphthalene	9.189	142	228574	10.927	ng	99
40) 1,2,4,5-Tetrachloroben...	9.254	216	126425	10.585	ng	99
41) Hexachlorocyclopentadiene	9.242	237	52593	8.069	ng	99
43) 2,4,6-Trichlorophenol	9.360	196	70987	9.577	ng	96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132142.D
Acq On : 19 Jan 2023 12:26
Operator : CG\JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jan 20 00:10:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

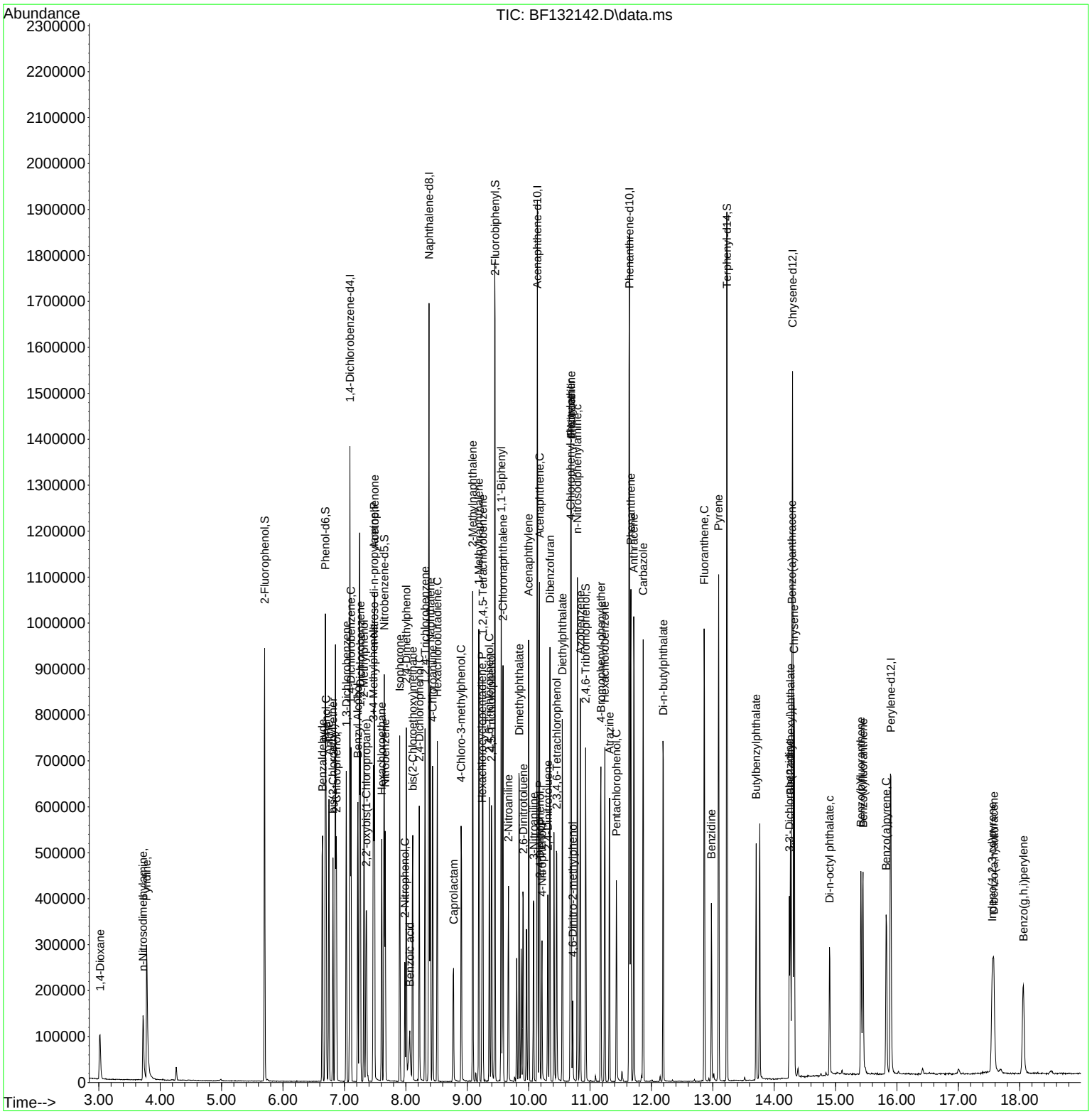
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.395	196	83630	9.647	ng		99
46) 1,1'-Biphenyl	9.554	154	293487	10.837	ng		100
47) 2-Chloronaphthalene	9.584	162	222092	10.609	ng		99
48) 2-Nitroaniline	9.672	65	49471	8.207	ng		99
49) Acenaphthylene	10.001	152	356712	10.651	ng		98
50) Dimethylphthalate	9.848	163	260923	10.495	ng		99
51) 2,6-Dinitrotoluene	9.913	165	43419	9.010	ng		99
52) Acenaphthene	10.178	154	217757	10.810	ng		96
53) 3-Nitroaniline	10.083	138	49662	9.639	ng		95
54) 2,4-Dinitrophenol	10.183	184	13395	6.882	ng	#	1
55) Dibenzofuran	10.348	168	338245	10.865	ng		97
56) 4-Nitrophenol	10.219	139	32842	8.759	ng		94
57) 2,4-Dinitrotoluene	10.313	165	48250	8.342	ng		97
58) Fluorene	10.695	166	258139	11.191	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.460	232	62761	9.517	ng		99
60) Diethylphthalate	10.548	149	256262	10.511	ng		99
61) 4-Chlorophenyl-phenyle...	10.683	204	134364	10.878	ng		92
62) 4-Nitroaniline	10.695	138	47271	9.855	ng		90
63) Azobenzene	10.842	77	260037	10.627	ng		99
65) 4,6-Dinitro-2-methylph...	10.719	198	19587	6.725	ng		96
66) n-Nitrosodiphenylamine	10.795	169	228808	10.636	ng		98
67) 4-Bromophenyl-phenylether	11.178	248	84869	10.365	ng		90
68) Hexachlorobenzene	11.242	284	83441	10.254	ng		99
69) Atrazine	11.319	200	67709	10.201	ng		98
70) Pentachlorophenol	11.430	266	45654	8.731	ng		97
71) Phenanthrene	11.666	178	380704	10.800	ng		99
72) Anthracene	11.713	178	386327	10.833	ng		98
73) Carbazole	11.866	167	334989	10.997	ng		98
74) Di-n-butylphthalate	12.195	149	353393	10.421	ng		99
75) Fluoranthene	12.860	202	399560	11.035	ng		98
77) Benzidine	12.977	184	137915	10.569	ng		99
78) Pyrene	13.095	202	410756	10.255	ng		99
80) Butylbenzylphthalate	13.707	149	93001	8.012	ng		94
81) Benzo(a)anthracene	14.289	228	308379	9.932	ng		99
82) 3,3'-Dichlorobenzidine	14.248	252	75066	8.681	ng	#	97
83) Chrysene	14.324	228	296684	10.039	ng		100
84) Bis(2-ethylhexyl)phtha...	14.266	149	118849	7.754	ng		100
85) Di-n-octyl phthalate	14.901	149	129384	5.499	ng		96
87) Indeno(1,2,3-cd)pyrene	17.554	276	203109	8.246	ng		97
88) Benzo(b)fluoranthene	15.413	252	209435	10.135	ng		99
89) Benzo(k)fluoranthene	15.448	252	220873	10.480	ng		100
90) Benzo(a)pyrene	15.824	252	186928	9.403	ng	#	96
91) Dibenzo(a,h)anthracene	17.577	278	171280	8.527	ng		99
92) Benzo(g,h,i)perylene	18.059	276	176091	8.331	ng		99

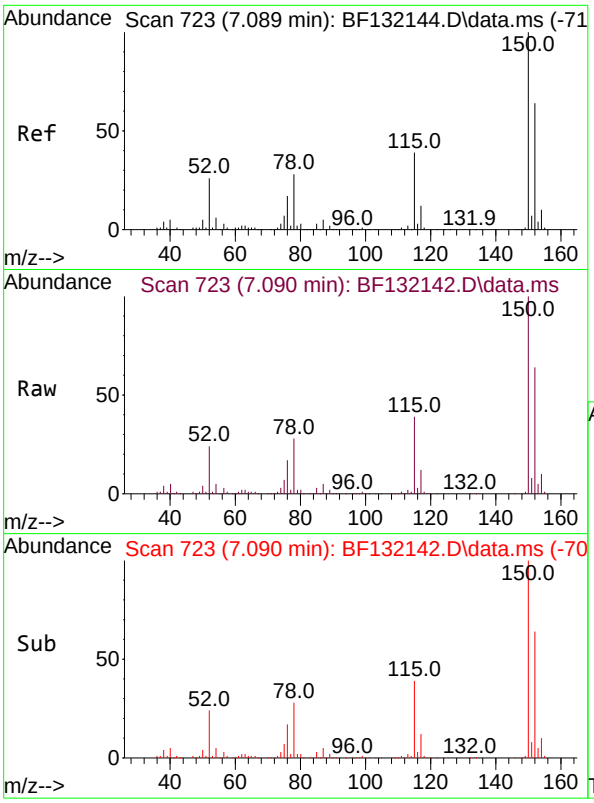
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132142.D
Acq On : 19 Jan 2023 12:26
Operator : CG\JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jan 20 00:10:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration



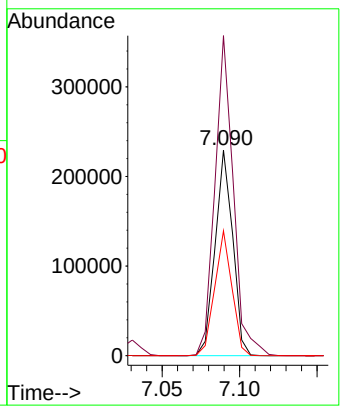


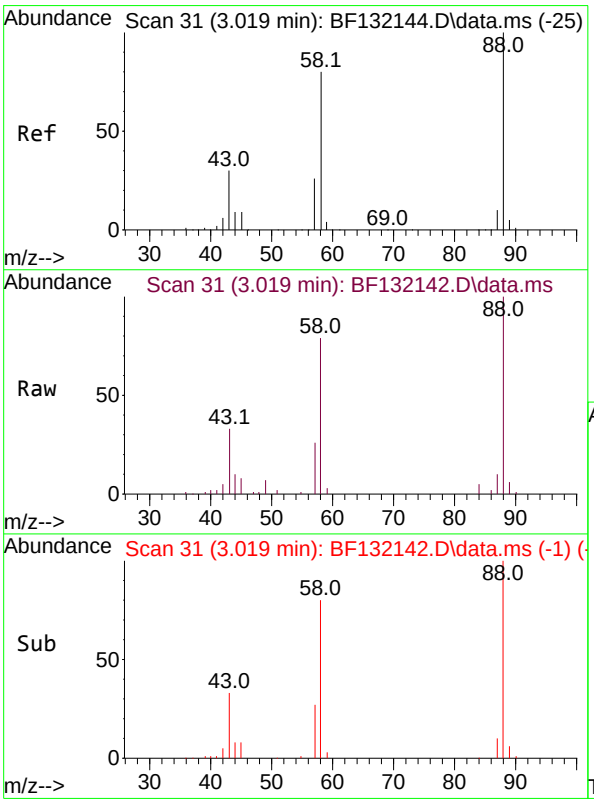
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.090 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 181294

Ion	Ratio	Lower	Upper
152	100		
150	155.7	125.8	188.8
115	60.7	49.2	73.8

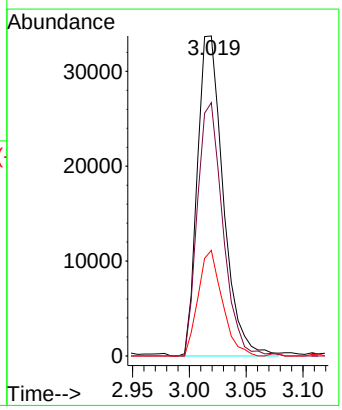


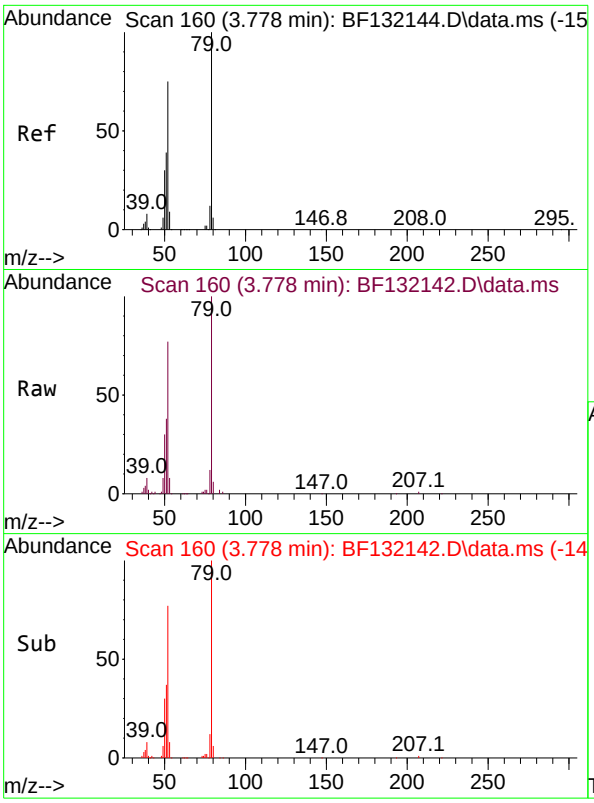


#2
1,4-Dioxane
Concen: 10.183 ng
RT: 3.019 min Scan# 31
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion: 88 Resp: 53539

Ion	Ratio	Lower	Upper
88	100		
58	77.5	64.0	96.0
43	30.7	24.2	36.4



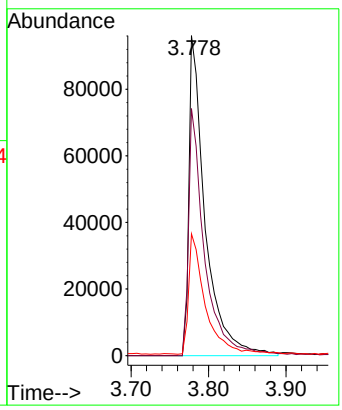


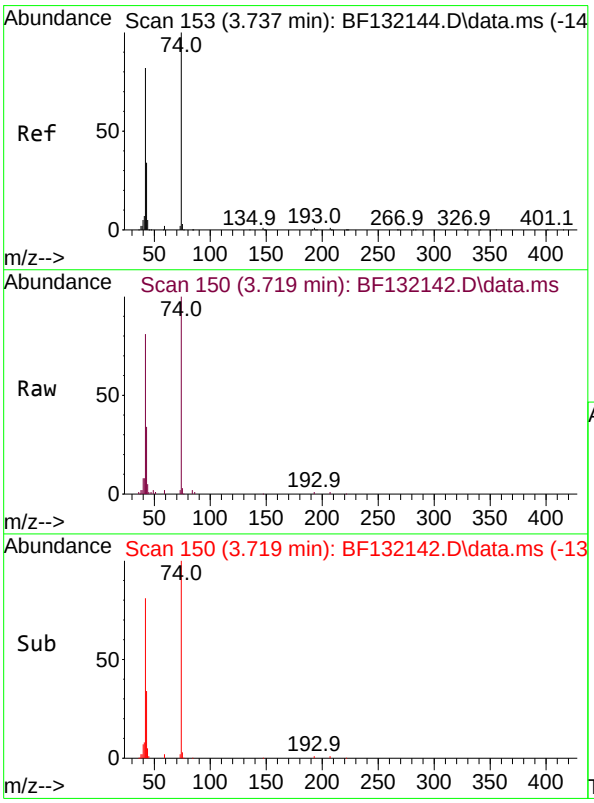
#3
Pyridine
Concen: 9.886 ng
RT: 3.778 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 139529

Ion	Ratio	Lower	Upper
79	100		
52	77.2	60.1	90.1
51	38.0	31.4	47.0

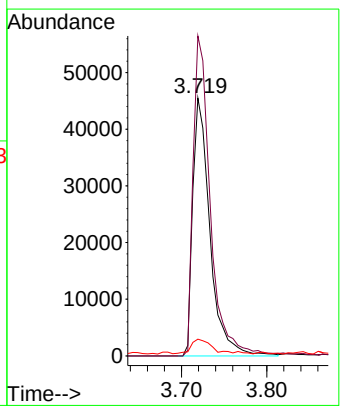


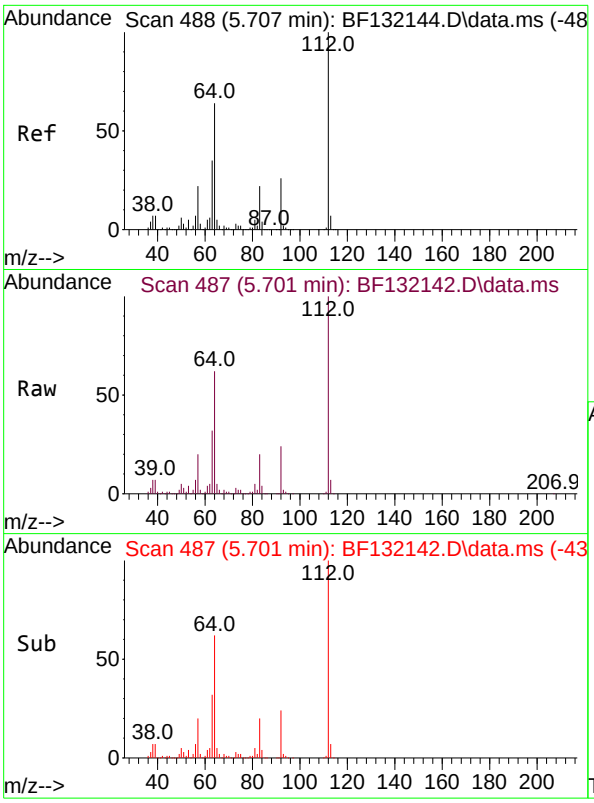


#4
n-Nitrosodimethylamine
Concen: 9.628 ng
RT: 3.719 min Scan# 150
Delta R.T. -0.018 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion: 42 Resp: 63909

Ion	Ratio	Lower	Upper
42	100		
74	124.1	98.1	147.1
44	6.5	5.2	7.8



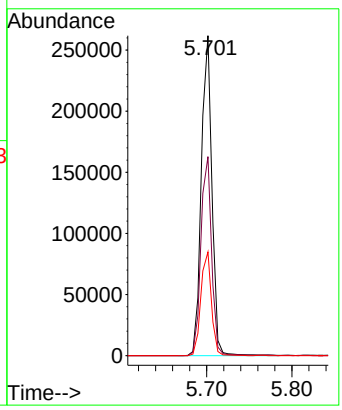


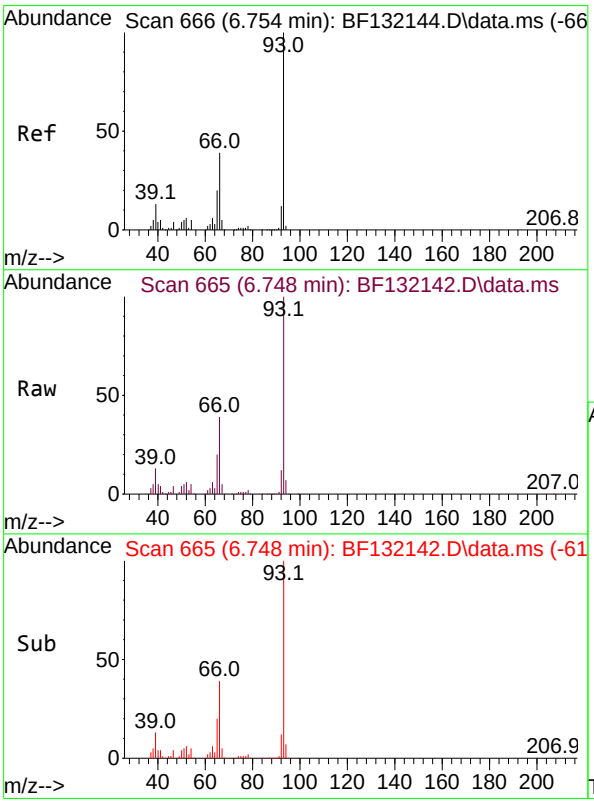
#5
2-Fluorophenol
Concen: 21.761 ng
RT: 5.701 min Scan# 48
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 225836

Ion	Ratio	Lower	Upper
112	100		
64	62.2	51.4	77.0
63	32.4	28.2	42.2

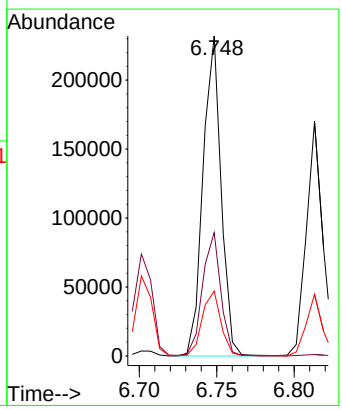


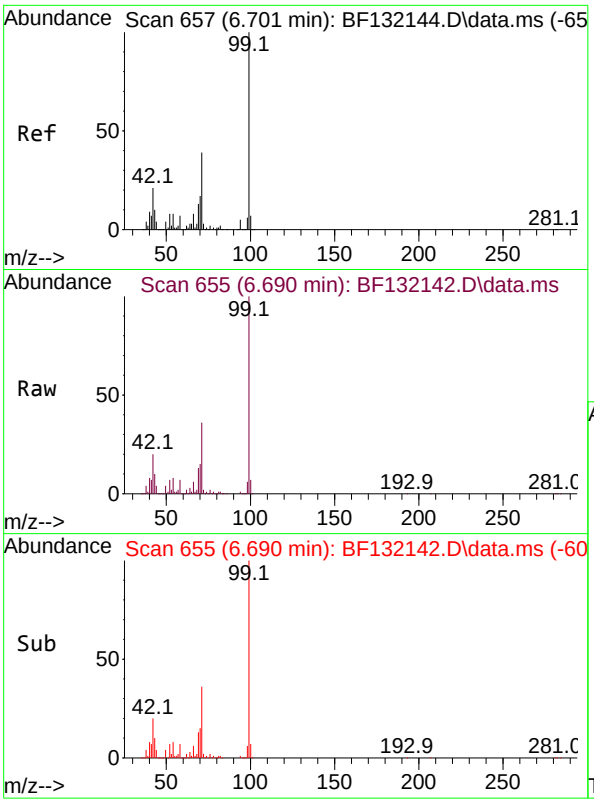


#6
Aniline
Concen: 10.428 ng
RT: 6.748 min Scan# 665
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion: 93 Resp: 189455

Ion	Ratio	Lower	Upper
93	100		
66	38.5	33.0	49.6
65	20.2	16.8	25.2



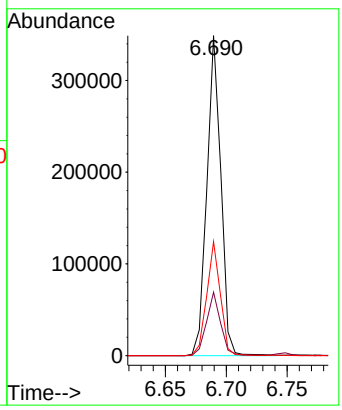


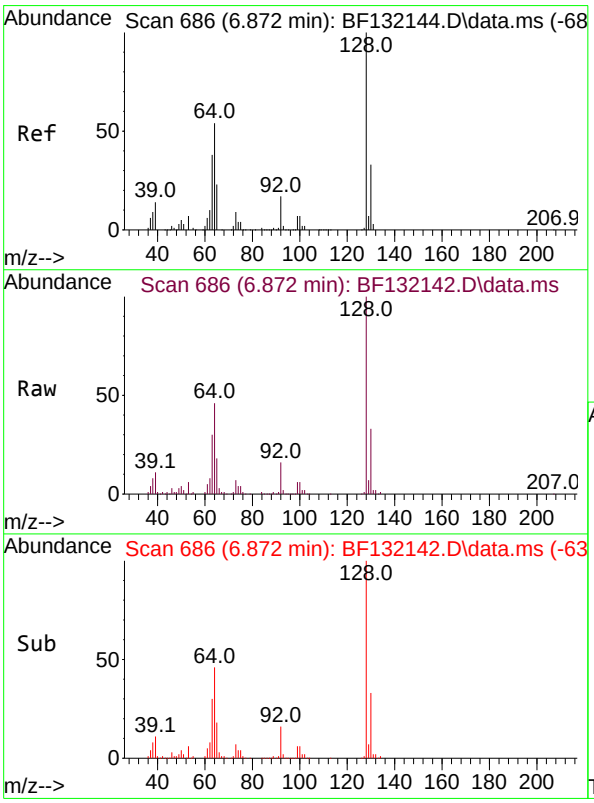
#7
Phenol-d6
Concen: 21.382 ng
RT: 6.690 min Scan# 6
Delta R.T. -0.012 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 279343

Ion	Ratio	Lower	Upper
99	100		
42	19.8	16.6	24.8
71	35.6	30.8	46.2

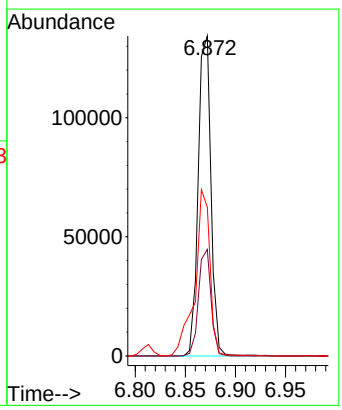


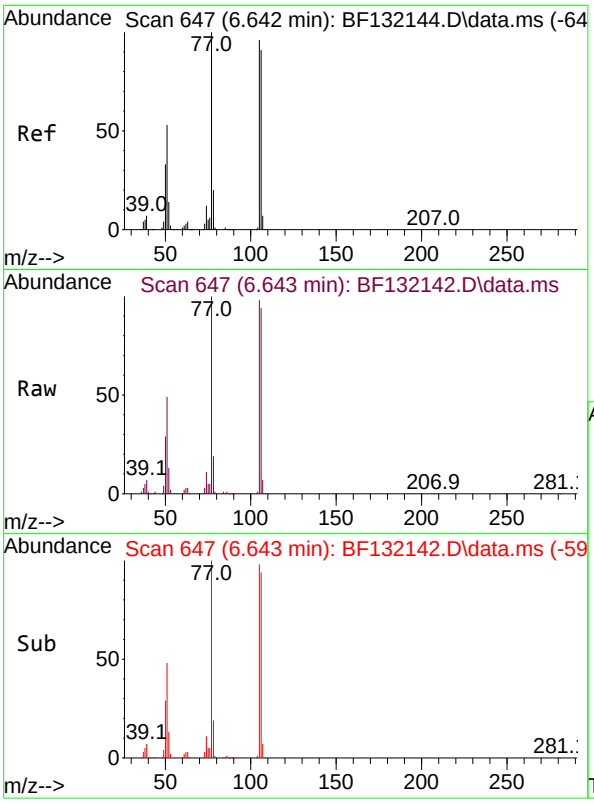


#8
2-Chlorophenol
Concen: 10.848 ng
RT: 6.872 min Scan# 686
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:128 Resp: 118344

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.8	52.8
64	46.5	34.8	74.8



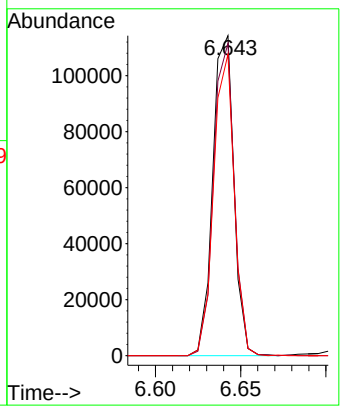


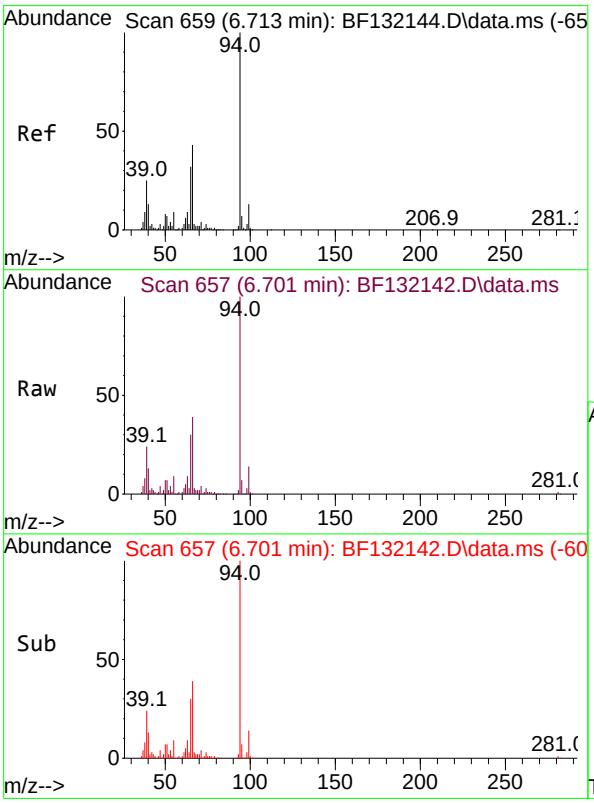
#9
Benzaldehyde
Concen: 11.715 ng
RT: 6.643 min Scan# 64
Delta R.T. 0.001 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 98463

Ion	Ratio	Lower	Upper
77	100		
105	97.5	75.5	115.5
106	94.2	70.7	110.7

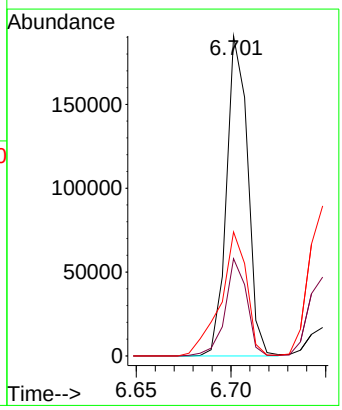


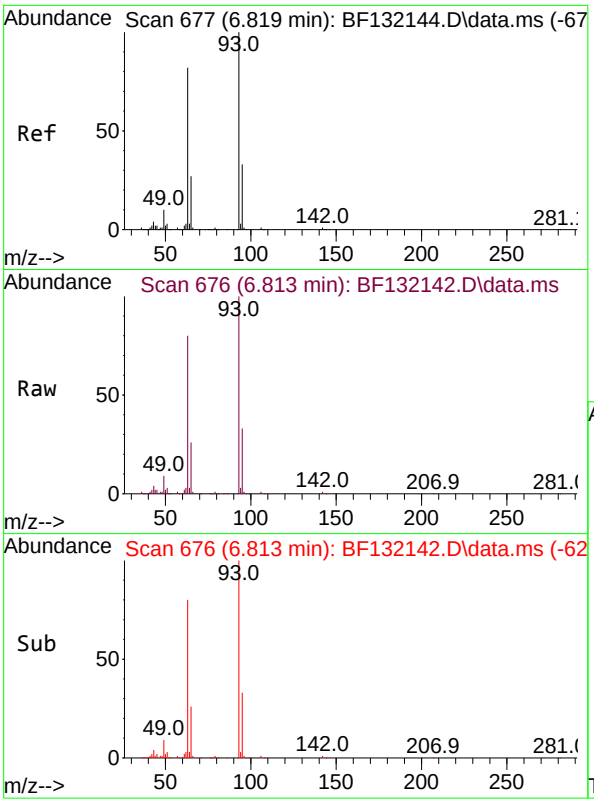


#10
Phenol
Concen: 10.906 ng
RT: 6.701 min Scan# 657
Delta R.T. -0.012 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion: 94 Resp: 148332

Ion	Ratio	Lower	Upper
94	100		
65	30.4	12.0	52.0
66	38.7	22.7	62.7



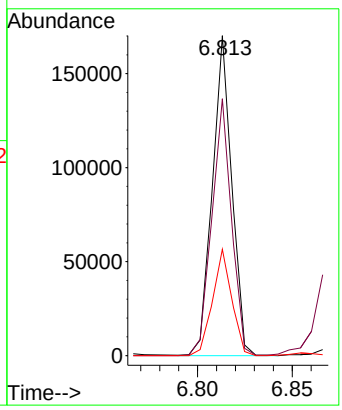


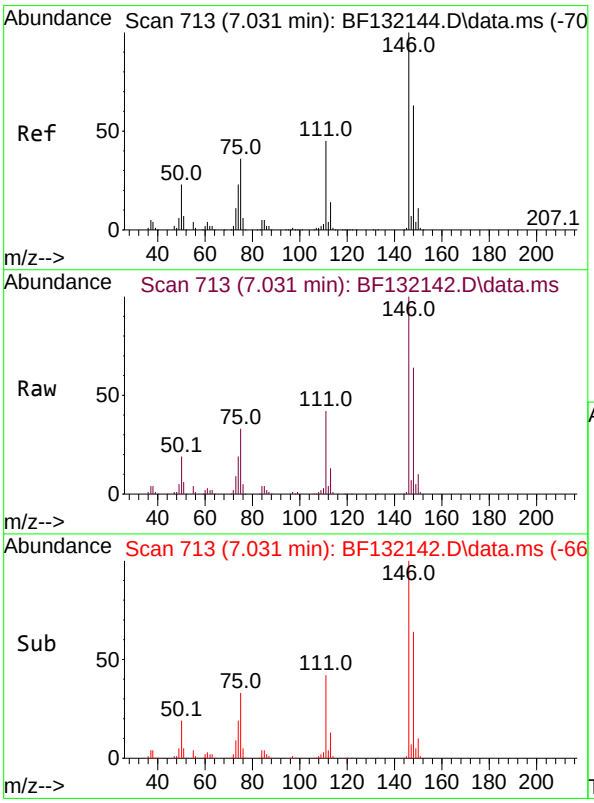
#11
bis(2-Chloroethyl)ether
Concen: 10.559 ng
RT: 6.813 min Scan# 6
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 121564

Ion	Ratio	Lower	Upper
93	100		
63	80.3	61.6	101.6
95	33.2	12.7	52.7

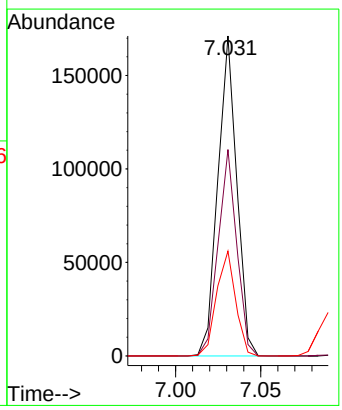


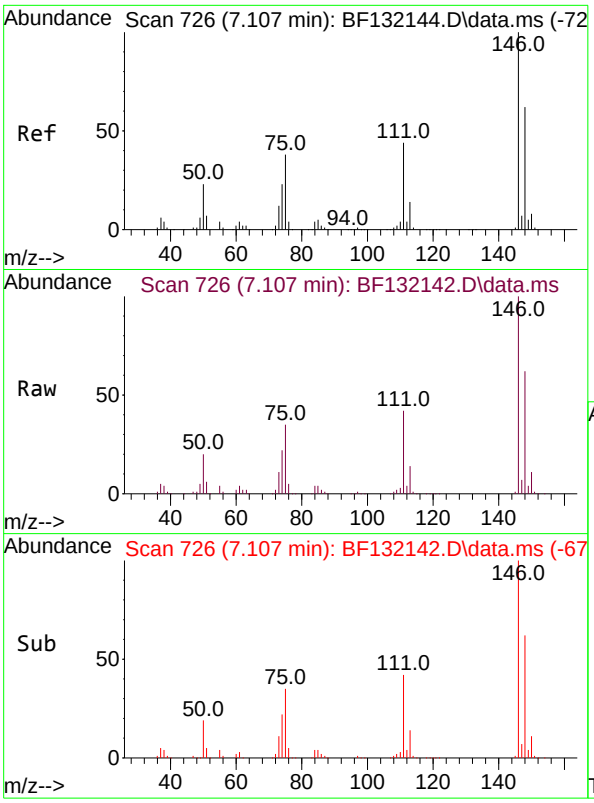


#12
1,3-Dichlorobenzene
Concen: 10.841 ng
RT: 7.031 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:146 Resp: 132193

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.0	75.0
75	32.7	28.8	43.2



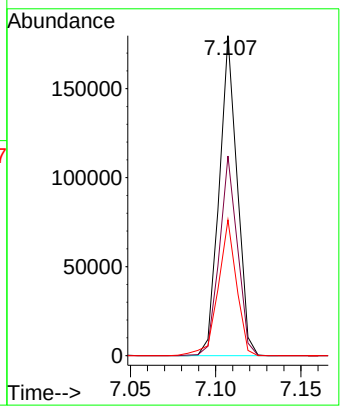


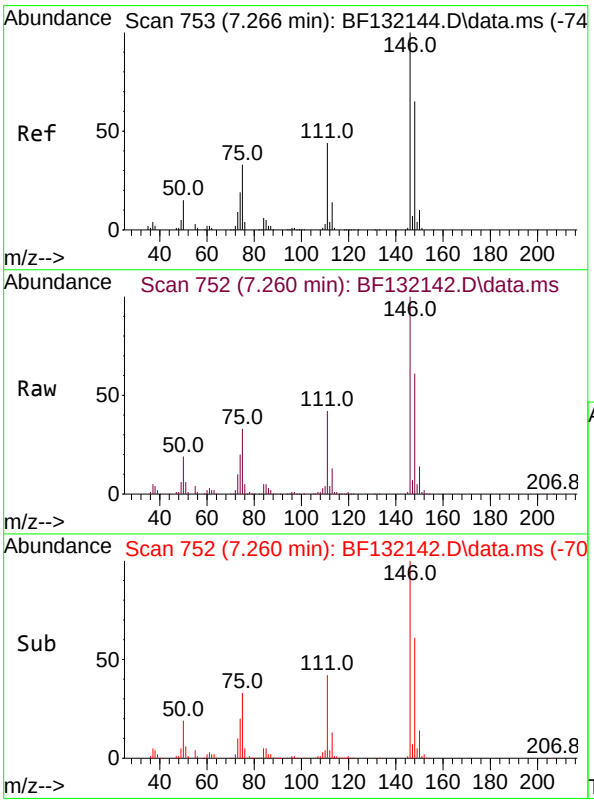
#13
1,4-Dichlorobenzene
Concen: 10.809 ng
RT: 7.107 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 131526

Ion	Ratio	Lower	Upper
146	100		
148	62.4	49.9	74.9
111	42.4	35.2	52.8

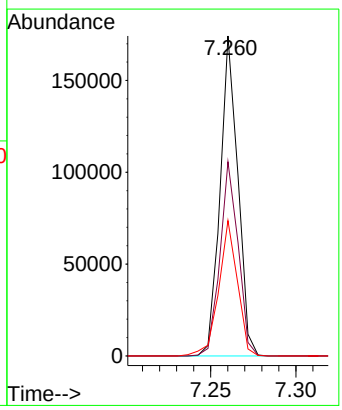


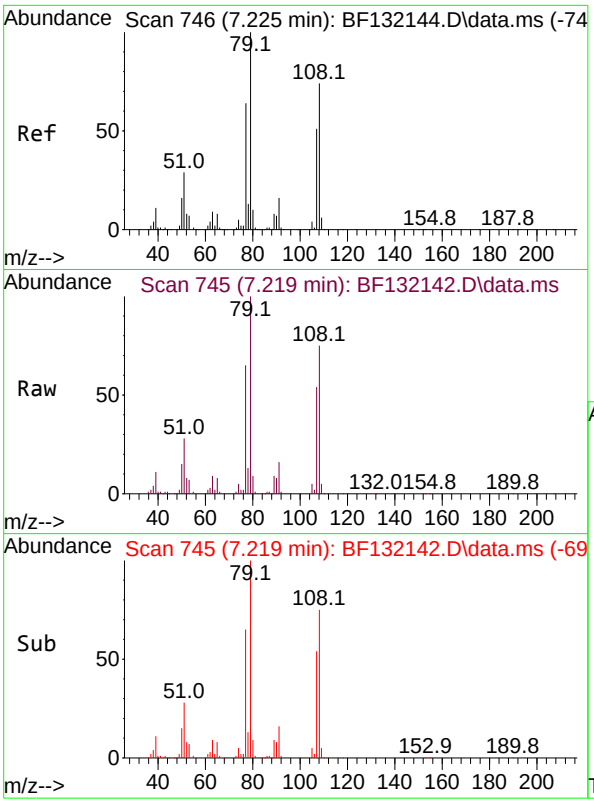


#14
1,2-Dichlorobenzene
Concen: 11.204 ng
RT: 7.260 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:146 Resp: 126058

Ion	Ratio	Lower	Upper
146	100		
148	60.7	52.0	78.0
111	42.3	35.4	53.2



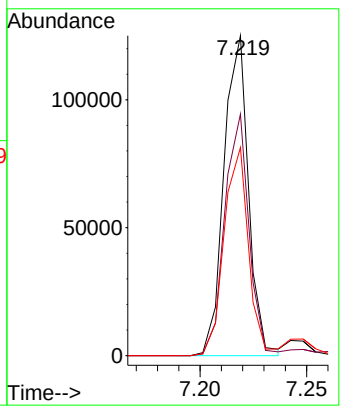


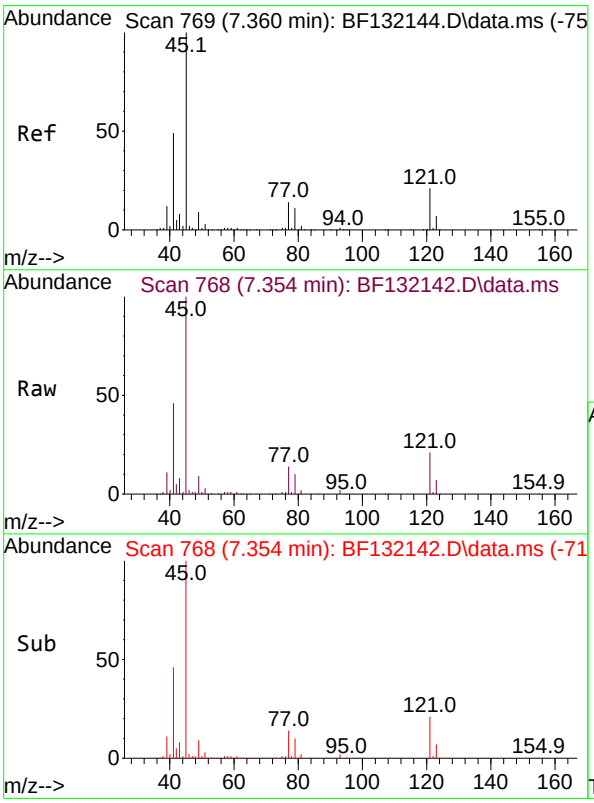
#15
Benzyl Alcohol
Concen: 9.866 ng
RT: 7.219 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 99939

Ion	Ratio	Lower	Upper
79	100		
108	75.5	58.9	88.3
77	65.0	51.1	76.7

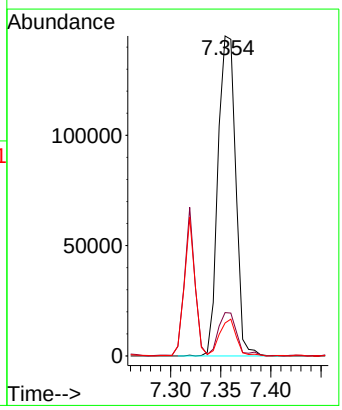


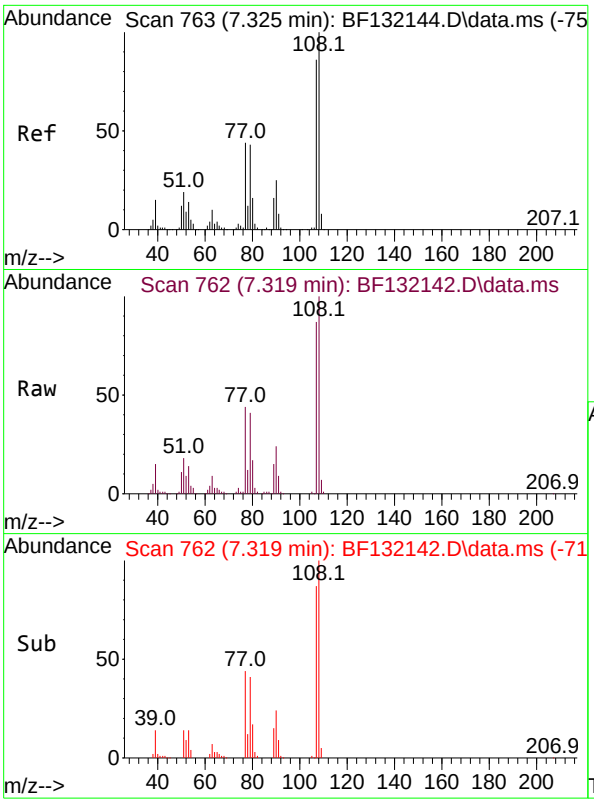


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.614 ng
RT: 7.354 min Scan# 768
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion: 45 Resp: 177617

Ion	Ratio	Lower	Upper
45	100		
77	13.5	0.0	34.3
79	10.3	0.0	30.9



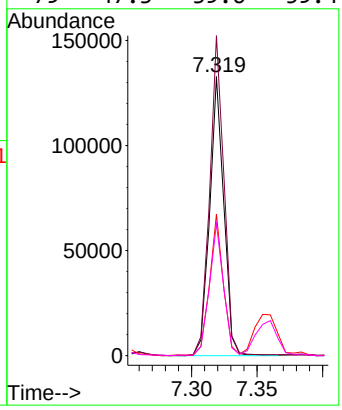


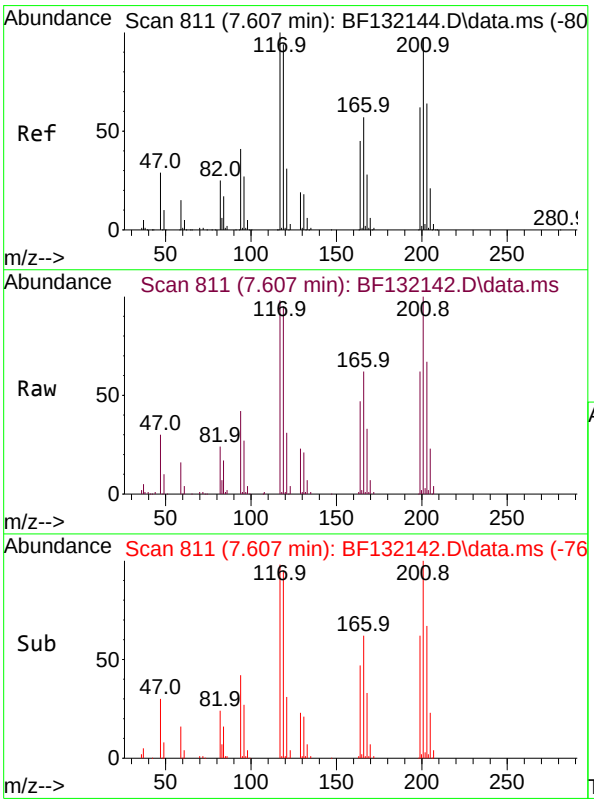
#17
2-Methylphenol
Concen: 10.417 ng
RT: 7.319 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 99555

Ion	Ratio	Lower	Upper
107	100		
108	114.7	92.8	139.2
77	50.7	41.1	61.7
79	47.3	39.6	59.4

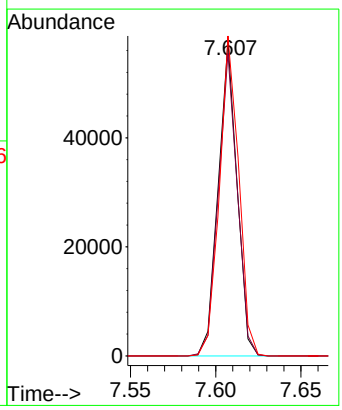


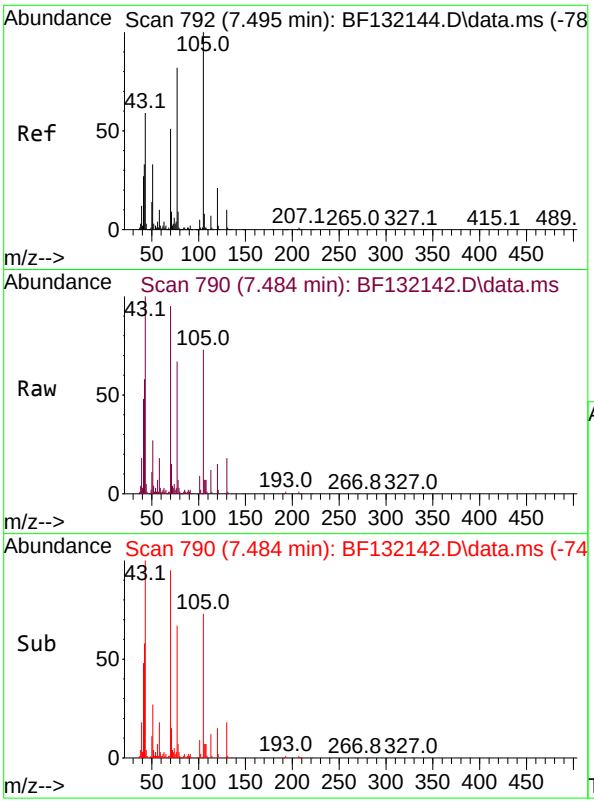


#18
Hexachloroethane
Concen: 10.088 ng
RT: 7.607 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:117 Resp: 44062

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.4	113.0
201	101.5	77.9	116.9



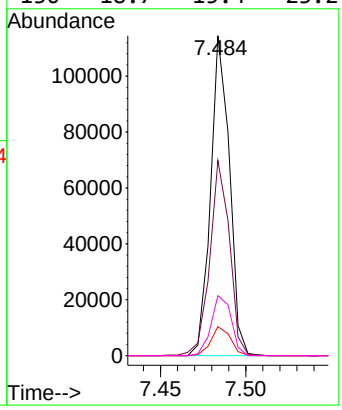


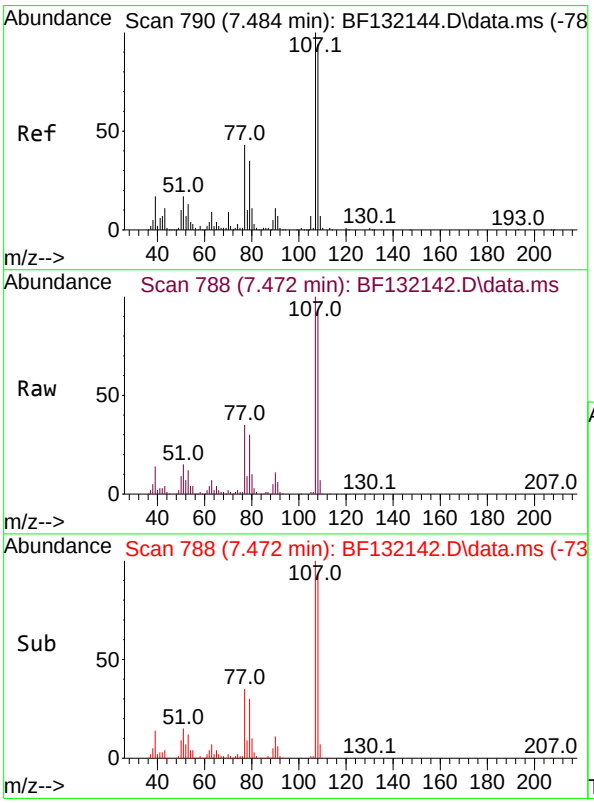
#19
n-Nitroso-di-n-propylamine
Concen: 10.994 ng
RT: 7.484 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 87979

Ion	Ratio	Lower	Upper
70	100		
42	61.0	51.0	76.4
101	9.0	7.3	10.9
130	18.7	15.4	23.2

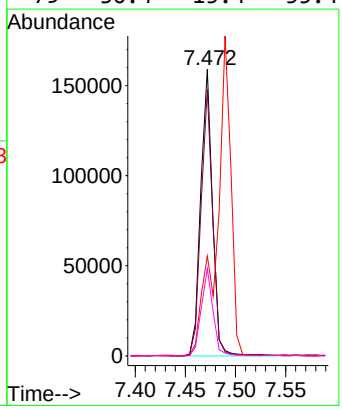


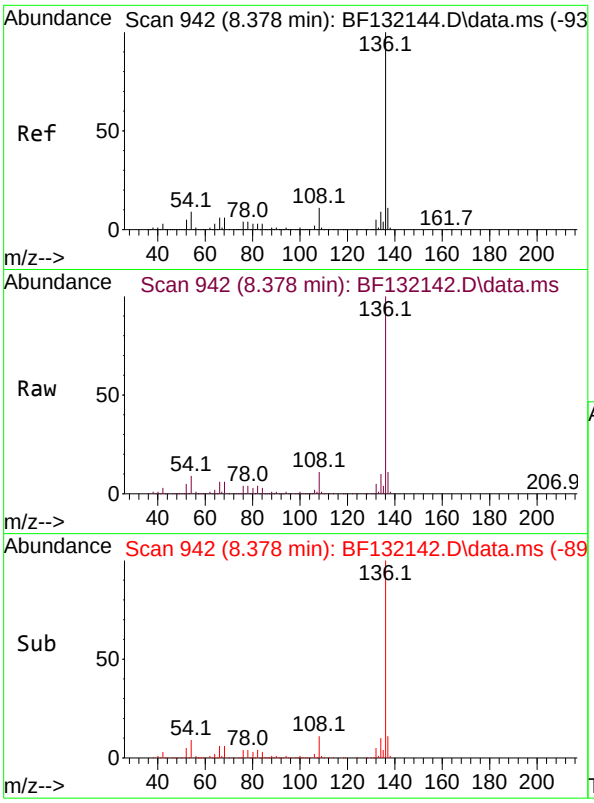


#20
3+4-Methylphenols
Concen: 10.803 ng
RT: 7.472 min Scan# 788
Delta R.T. -0.012 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:107 Resp: 130094

Ion	Ratio	Lower	Upper
107	100		
108	92.9	73.8	113.8
77	34.9	22.8	62.8
79	30.4	15.4	55.4



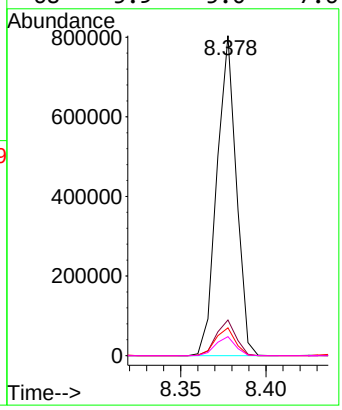


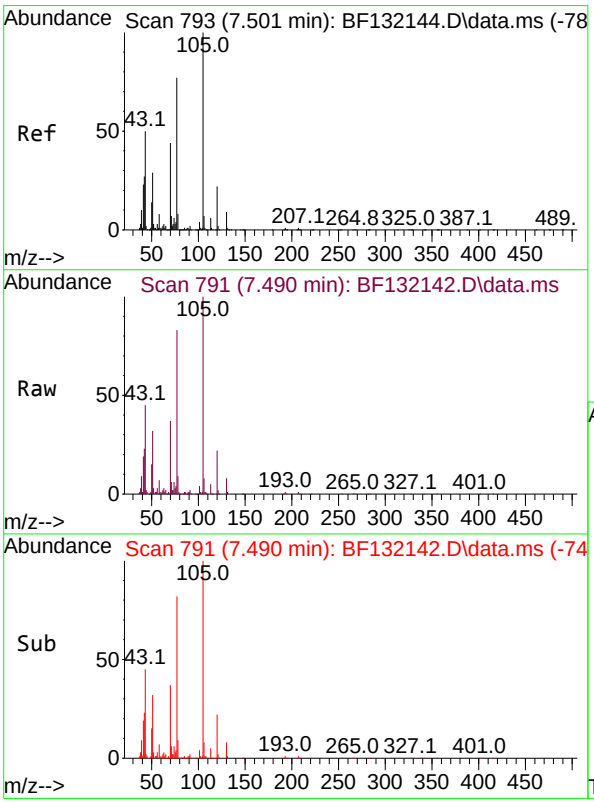
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.378 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 635776

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.7	7.0	10.6
68	5.9	5.0	7.6

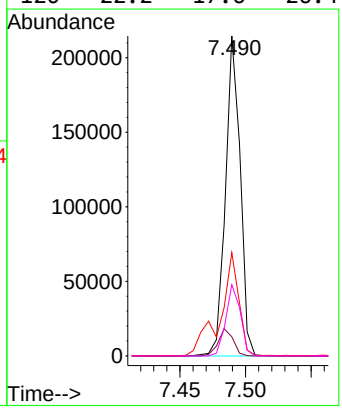


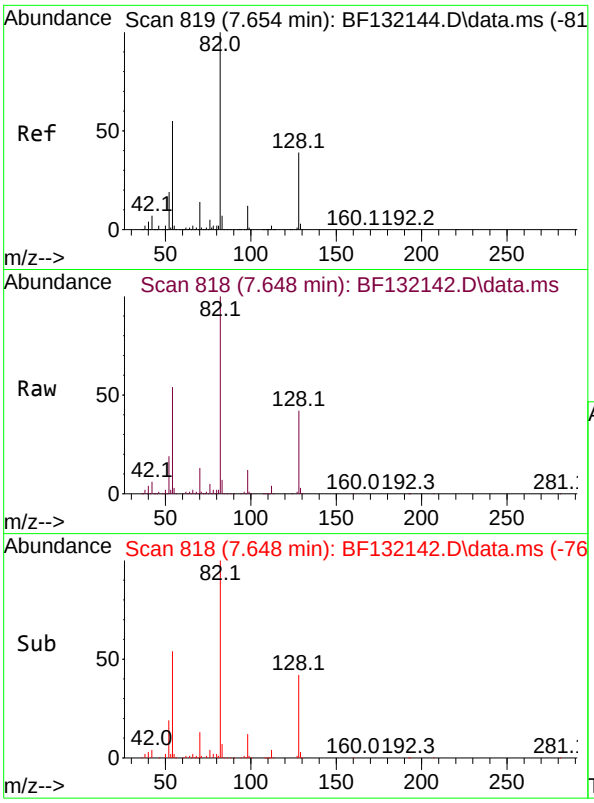


#22
Acetophenone
Concen: 10.981 ng
RT: 7.490 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:105 Resp: 167799

Ion	Ratio	Lower	Upper
105	100		
71	6.0	5.8	8.6
51	32.3	23.0	34.6
120	22.2	17.6	26.4



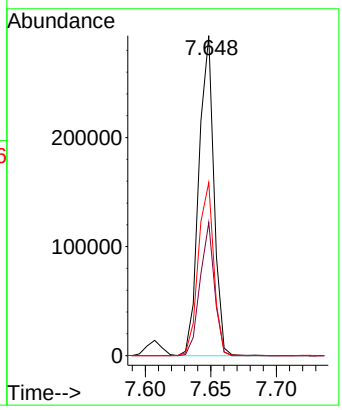


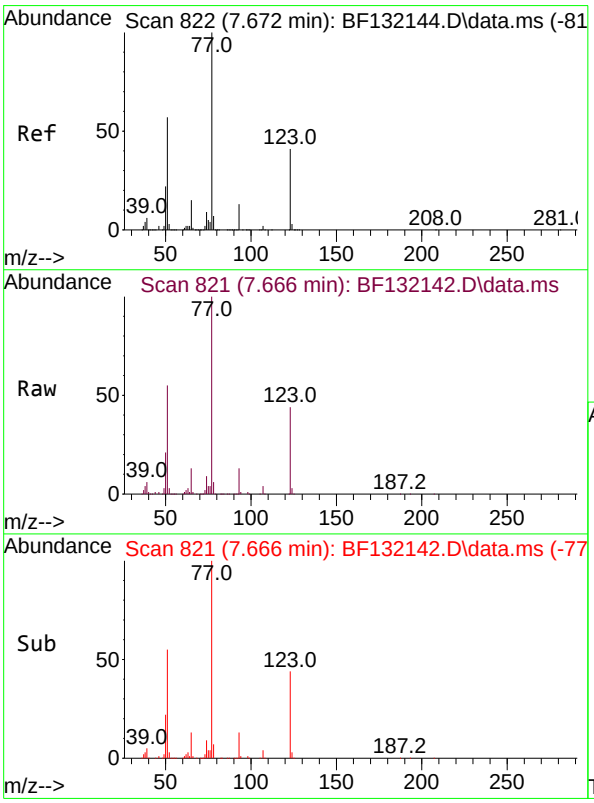
#23
Nitrobenzene-d5
Concen: 19.462 ng
RT: 7.648 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 232920

Ion	Ratio	Lower	Upper
82	100		
128	41.6	31.1	46.7
54	54.1	43.9	65.9

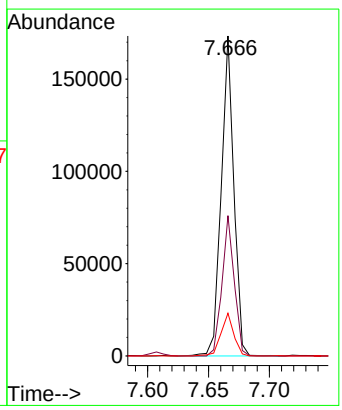


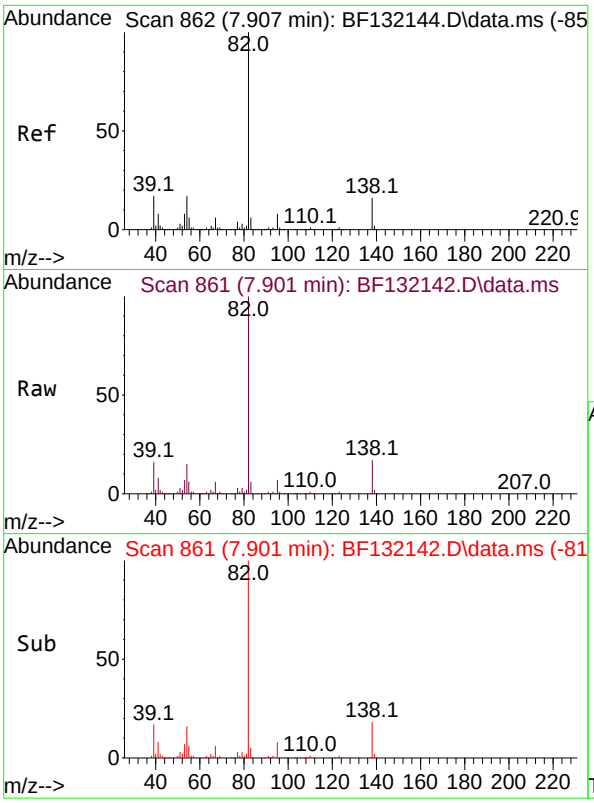


#24
Nitrobenzene
Concen: 9.834 ng
RT: 7.666 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion: 77 Resp: 124607

Ion	Ratio	Lower	Upper
77	100		
123	43.8	33.1	49.7
65	13.3	11.7	17.5



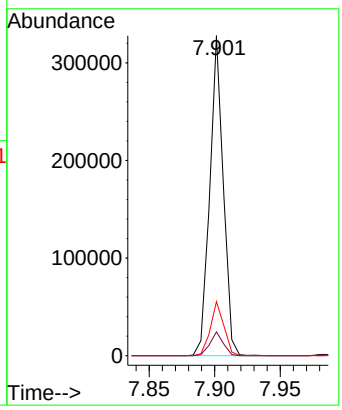


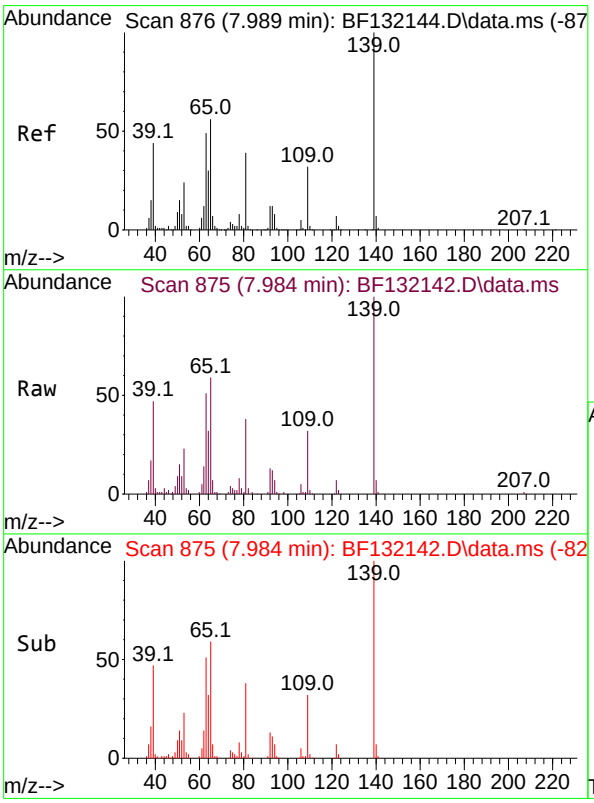
#25
Isophorone
Concen: 10.052 ng
RT: 7.901 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 235392

Ion	Ratio	Lower	Upper
82	100		
95	7.4	6.2	9.2
138	16.9	12.9	19.3

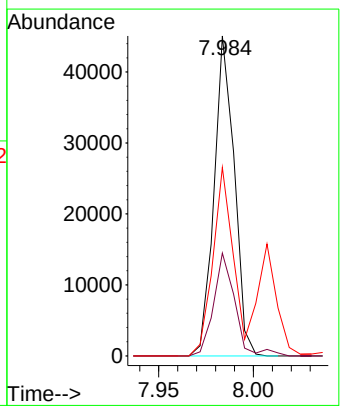


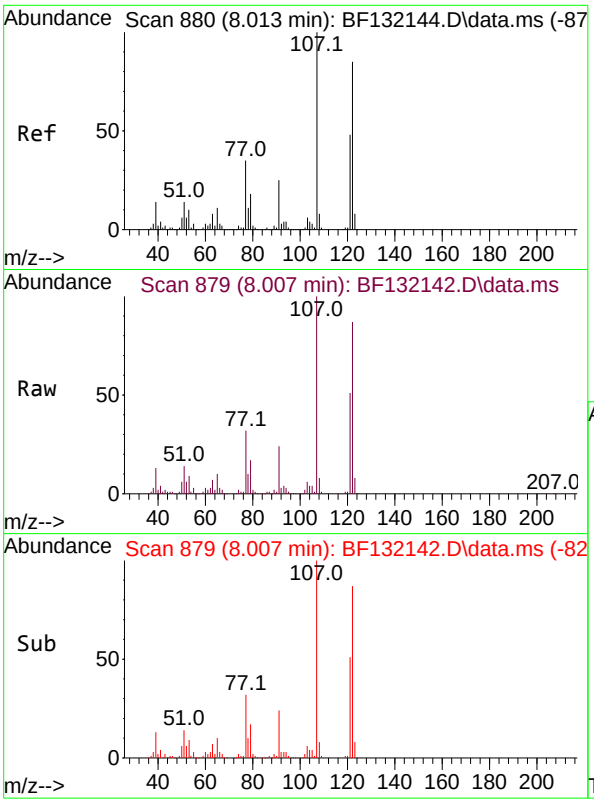


#26
2-Nitrophenol
Concen: 7.579 ng
RT: 7.984 min Scan# 875
Delta R.T. -0.005 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:139 Resp: 33479

Ion	Ratio	Lower	Upper
139	100		
109	32.1	25.8	38.8
65	58.9	44.6	66.8



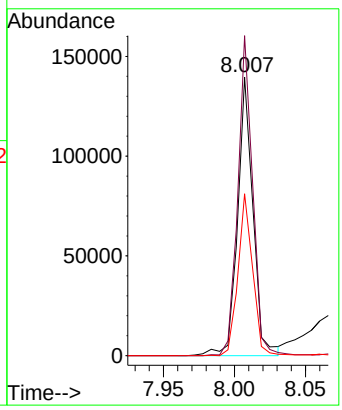


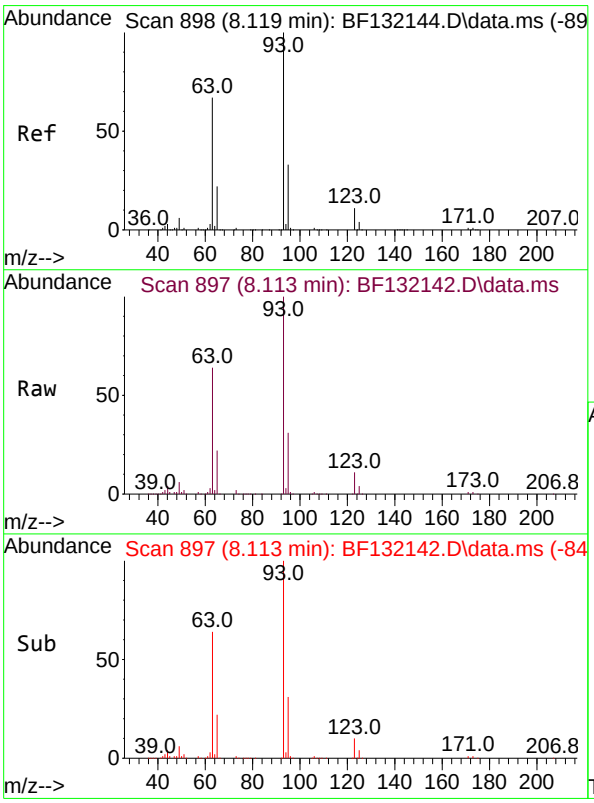
#27
2,4-Dimethylphenol
Concen: 10.348 ng
RT: 8.007 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 104848

Ion	Ratio	Lower	Upper
122	100		
107	114.9	94.2	141.4
121	58.1	45.6	68.4

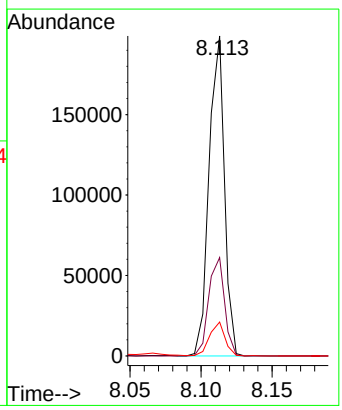


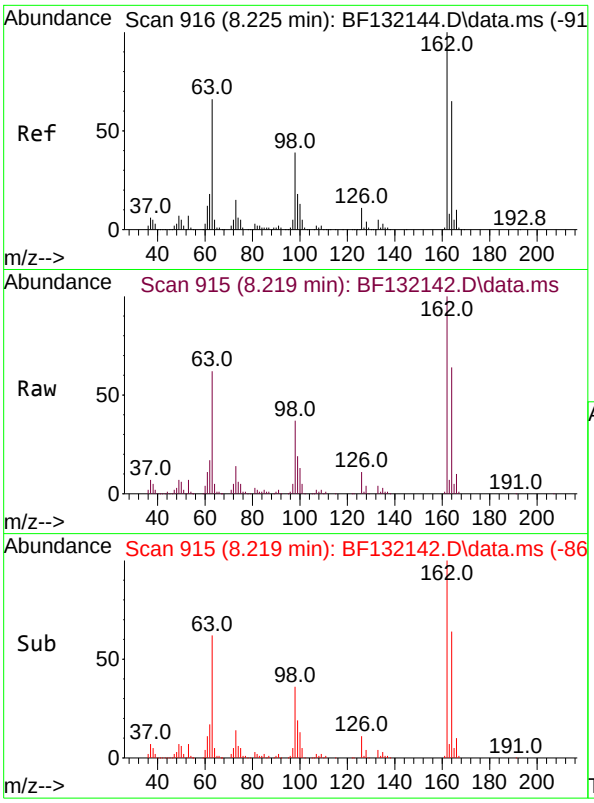


#28
bis(2-Chloroethoxy)methane
Concen: 10.668 ng
RT: 8.113 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion: 93 Resp: 149878

Ion	Ratio	Lower	Upper
93	100		
95	30.7	26.2	39.2
123	10.6	9.1	13.7



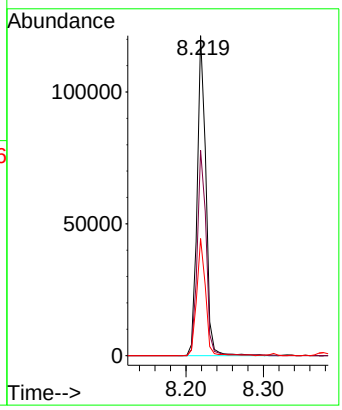


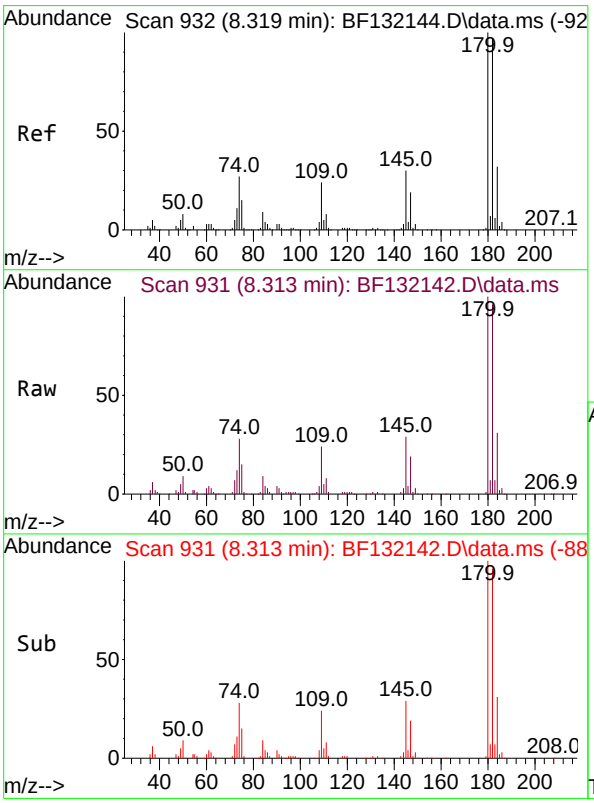
#29
2,4-Dichlorophenol
Concen: 9.848 ng
RT: 8.219 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 94733

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.7	84.7
98	36.6	18.8	58.8

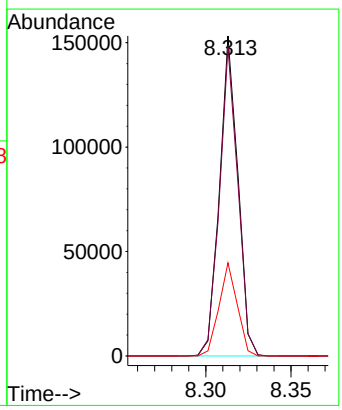


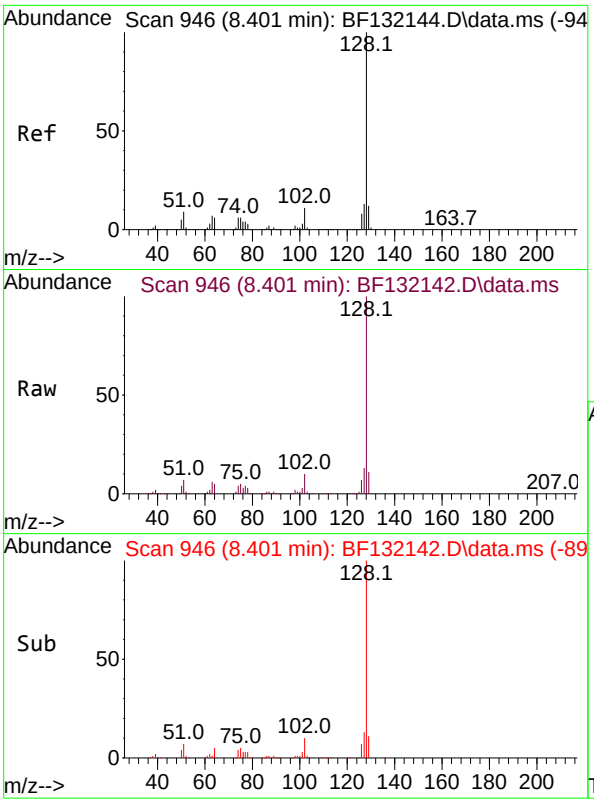


#30
1,2,4-Trichlorobenzene
Concen: 10.486 ng
RT: 8.313 min Scan# 931
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:180 Resp: 114575

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.4	116.0
145	29.1	23.8	35.6



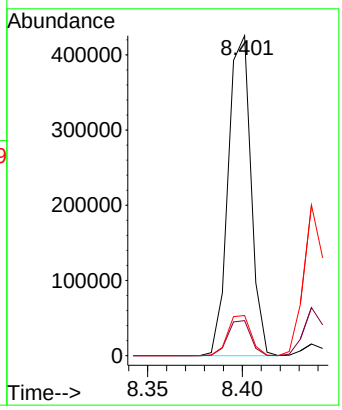


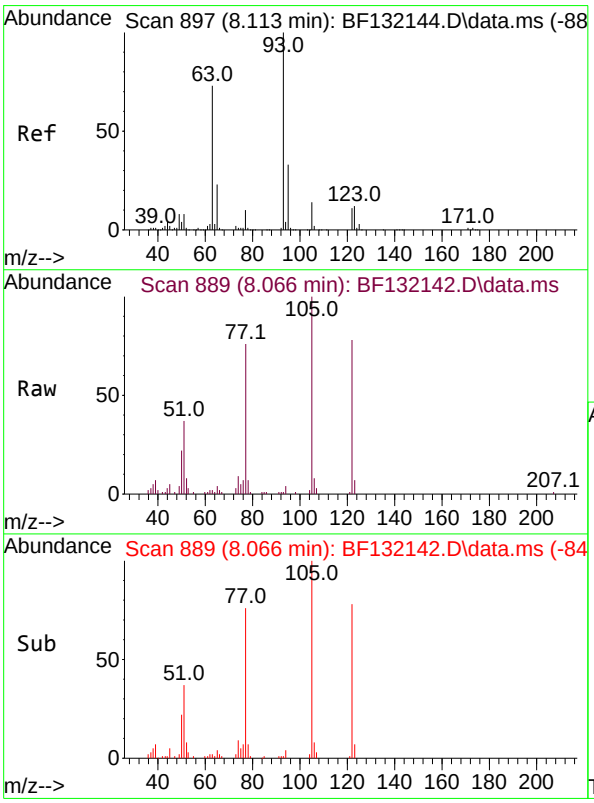
#31
Naphthalene
Concen: 10.891 ng
RT: 8.401 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 355602

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.3	13.9
127	12.5	10.6	15.8

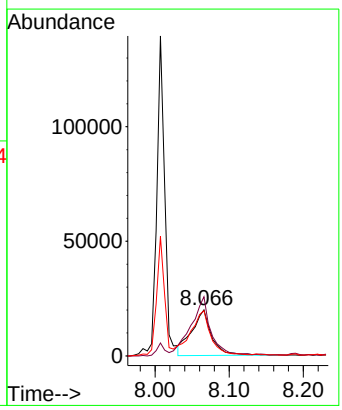


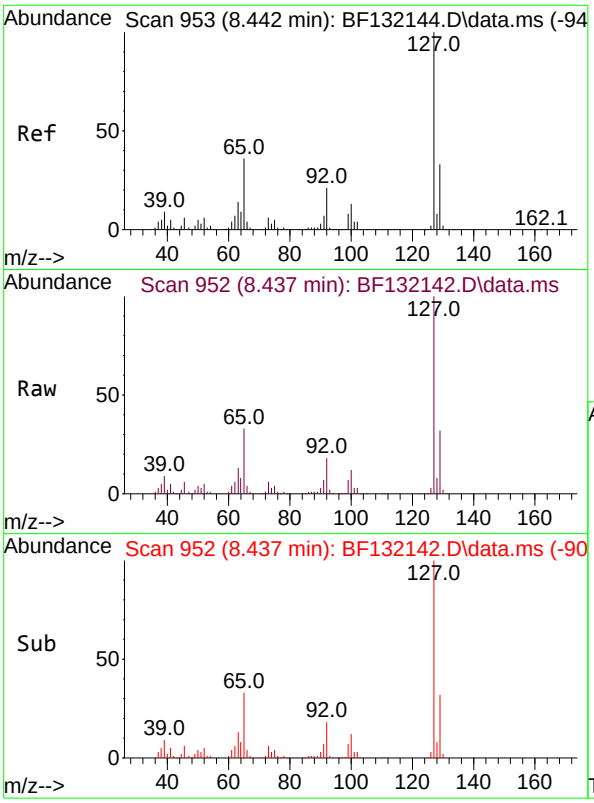


#32
Benzoic acid
Concen: 6.331 ng
RT: 8.066 min Scan# 889
Delta R.T. -0.047 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:122 Resp: 37655

Ion	Ratio	Lower	Upper
122	100		
105	128.4	96.8	136.8
77	98.1	72.5	112.5



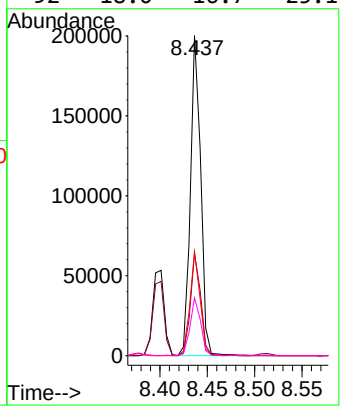


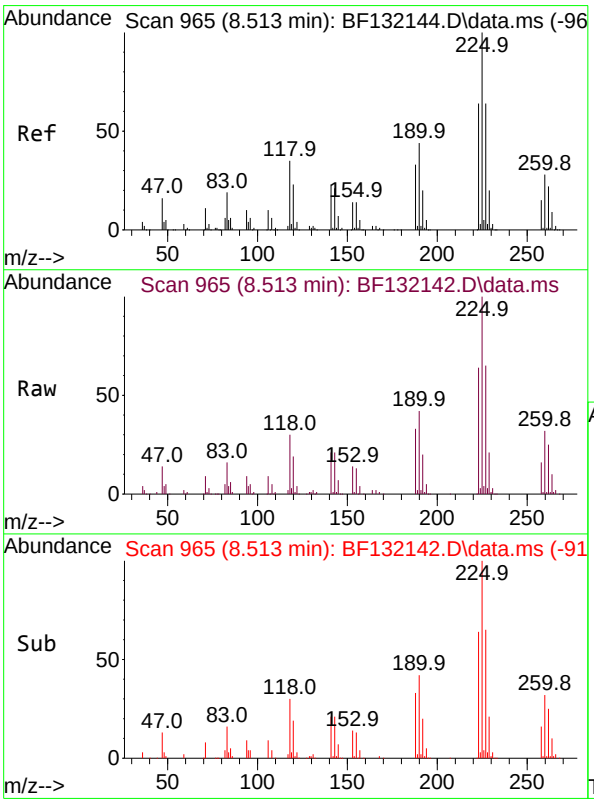
#33
4-Chloroaniline
Concen: 10.789 ng
RT: 8.437 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 150762

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.0	39.0
65	32.5	28.4	42.6
92	18.0	16.7	25.1

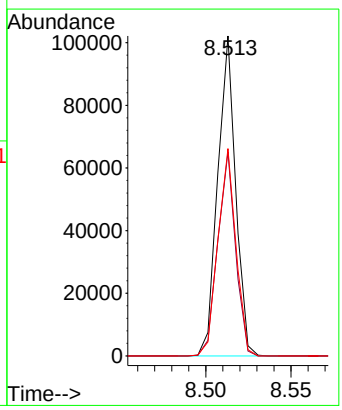


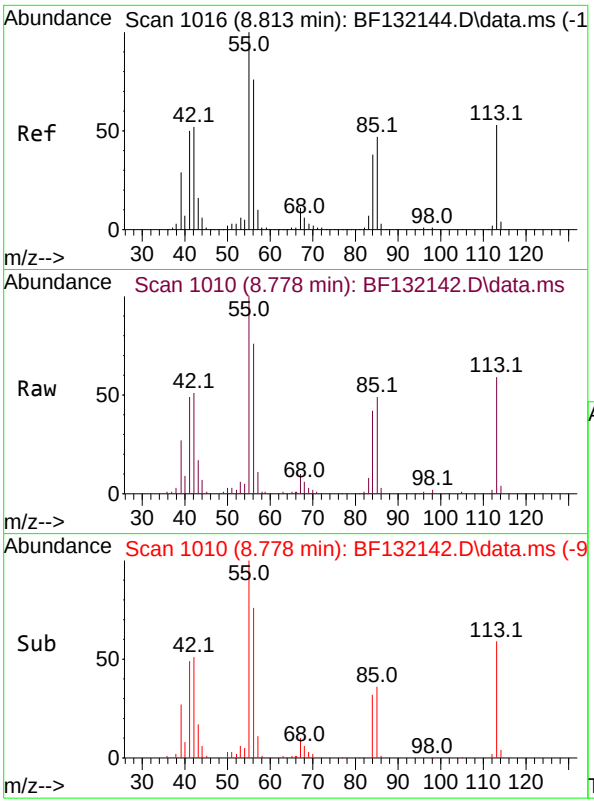


#34
Hexachlorobutadiene
Concen: 10.148 ng
RT: 8.513 min Scan# 965
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:225 Resp: 74489

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.9	76.3
227	64.8	50.8	76.2



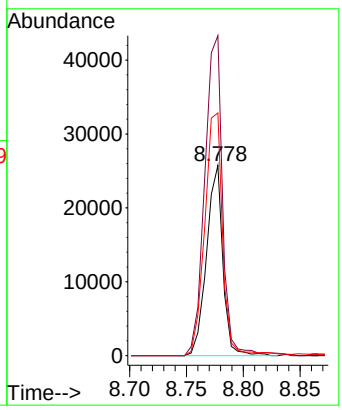


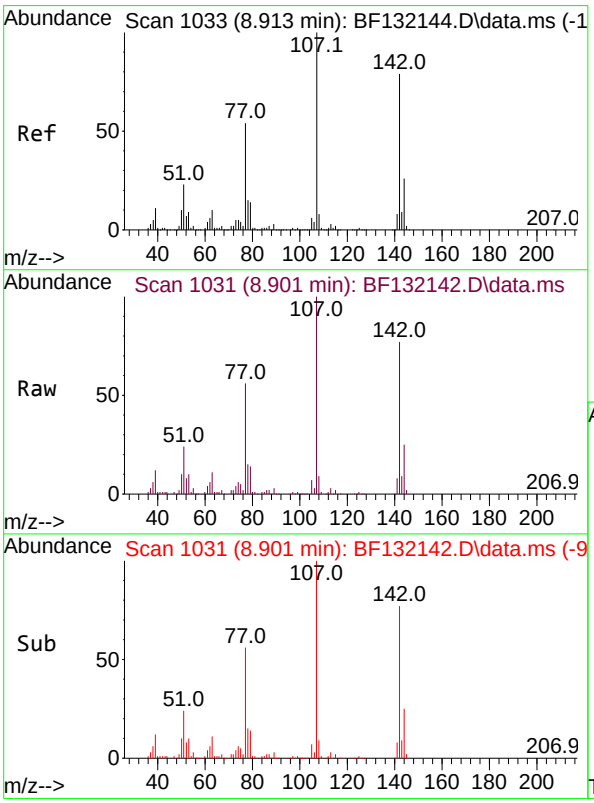
#35
Caprolactam
Concen: 9.443 ng
RT: 8.778 min Scan# 10
Delta R.T. -0.035 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 25712

Ion	Ratio	Lower	Upper
113	100		
55	168.3	167.5	207.5
56	127.6	122.0	162.0

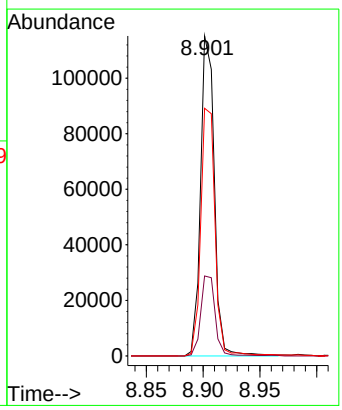


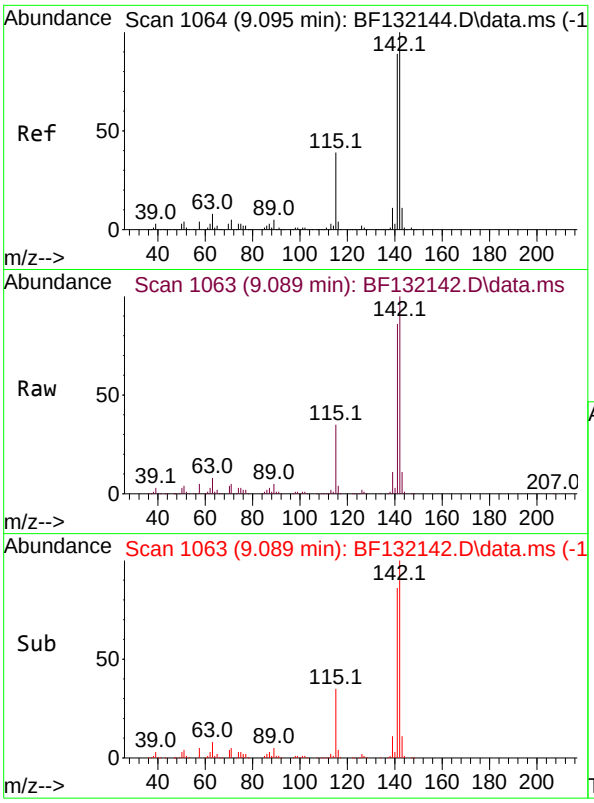


#36
4-Chloro-3-methylphenol
Concen: 10.027 ng
RT: 8.901 min Scan# 1031
Delta R.T. -0.012 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:107 Resp: 97071

Ion	Ratio	Lower	Upper
107	100		
144	25.0	21.0	31.4
142	77.4	63.6	95.4



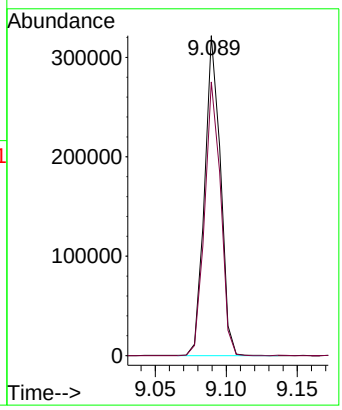


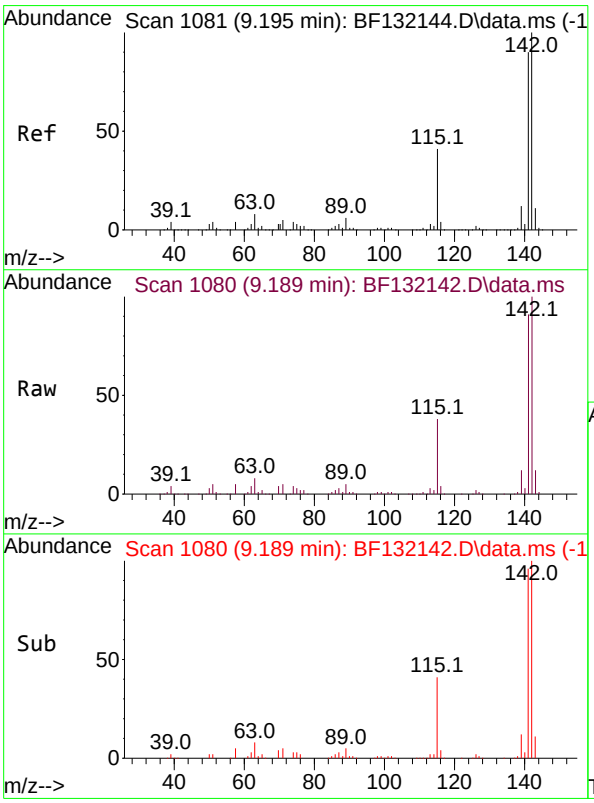
#37
2-Methylnaphthalene
Concen: 11.072 ng
RT: 9.089 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 248900

Ion	Ratio	Lower	Upper
142	100		
141	85.5	71.1	106.7

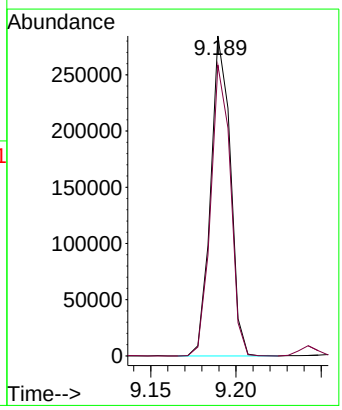


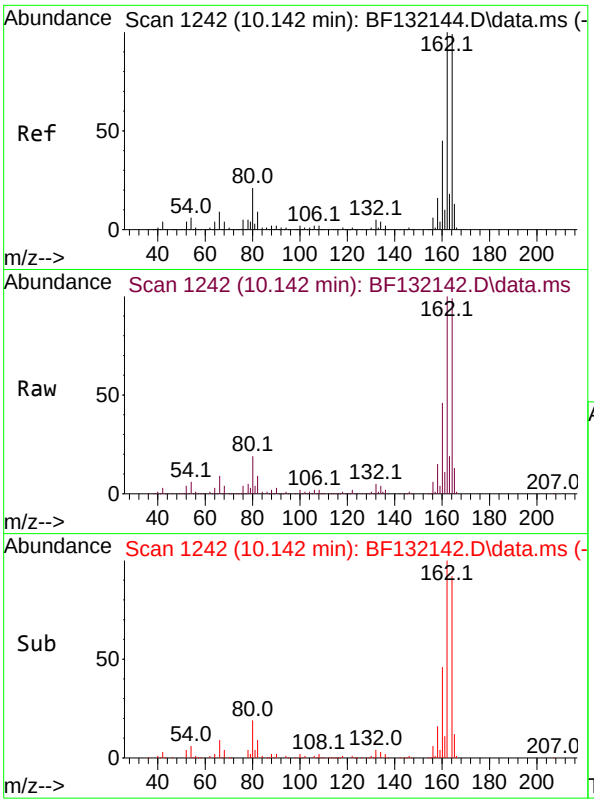


#38
1-Methylnaphthalene
Concen: 10.927 ng
RT: 9.189 min Scan# 1080
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:142 Resp: 228574

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.1	108.1



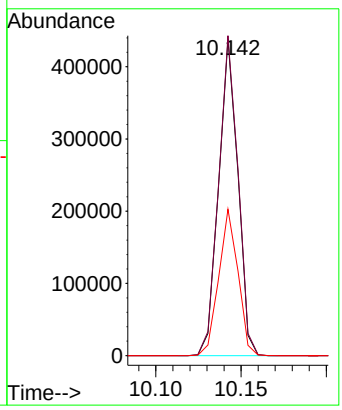


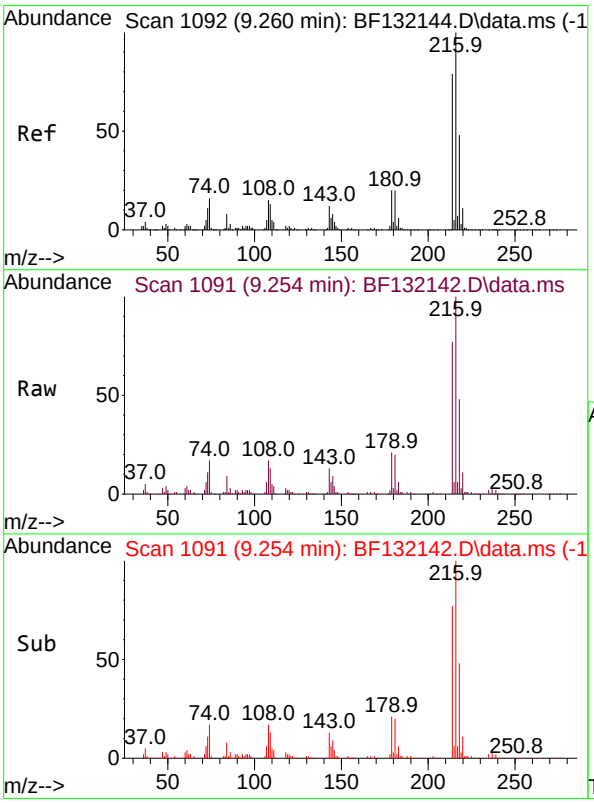
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.142 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 343275

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.2	121.8
160	46.2	36.9	55.3

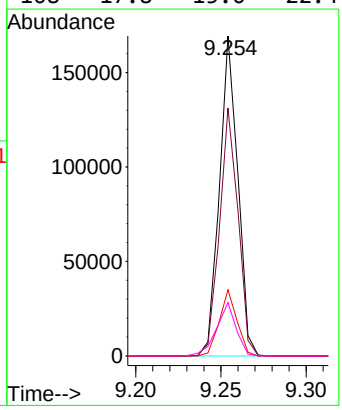


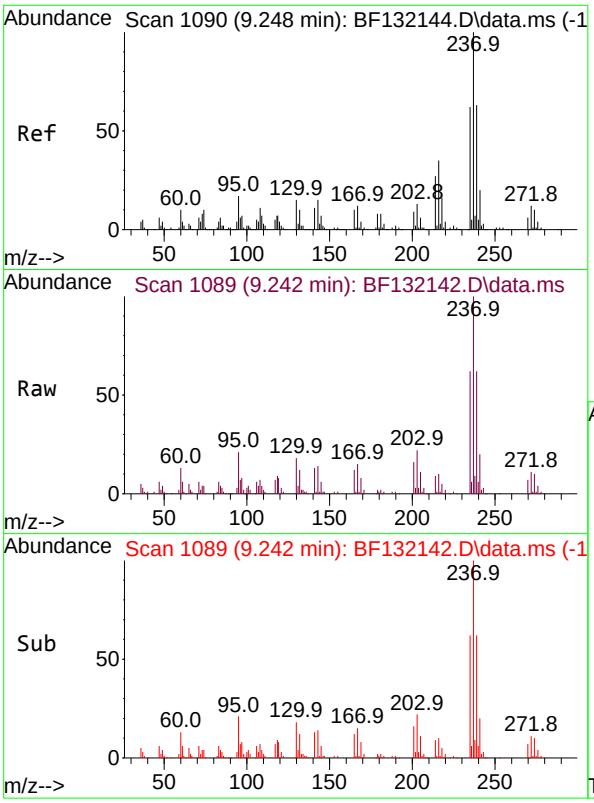


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.585 ng
RT: 9.254 min Scan# 1091
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:216 Resp: 126425

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.1	94.7
179	19.8	16.6	24.8
108	17.8	15.0	22.4



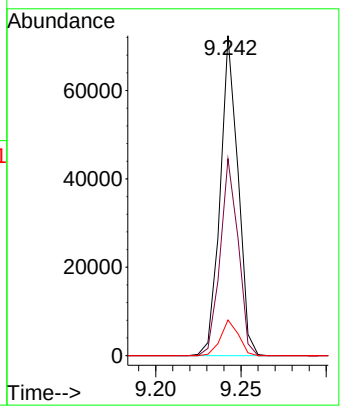


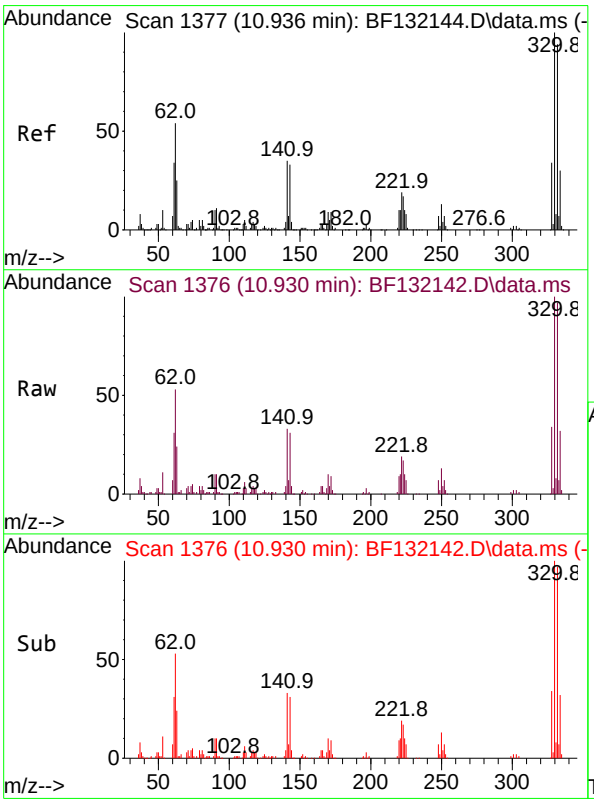
#41
Hexachlorocyclopentadiene
Concen: 8.069 ng
RT: 9.242 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 52593

Ion	Ratio	Lower	Upper
237	100		
235	61.5	41.7	81.7
272	11.2	0.0	32.3

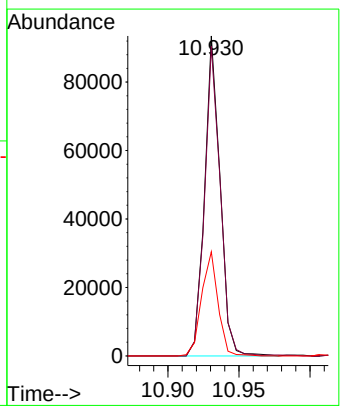


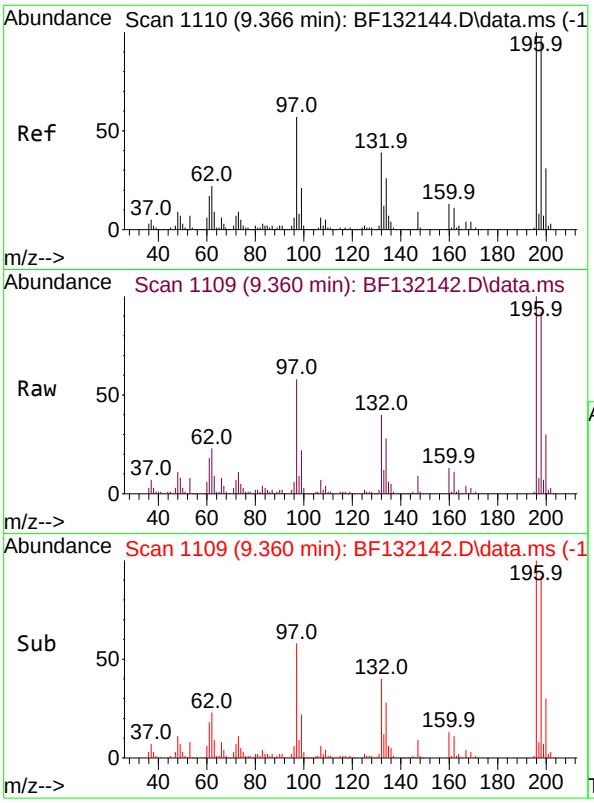


#42
2,4,6-Tribromophenol
Concen: 19.333 ng
RT: 10.930 min Scan# 1376
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:330 Resp: 70890

Ion	Ratio	Lower	Upper
330	100		
332	97.6	75.6	113.4
141	34.3	27.1	40.7



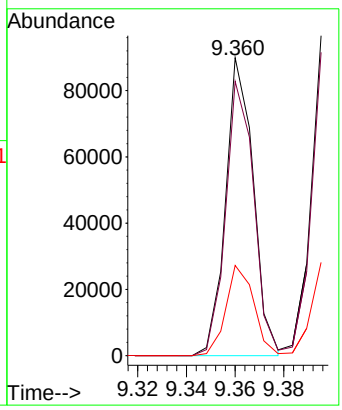


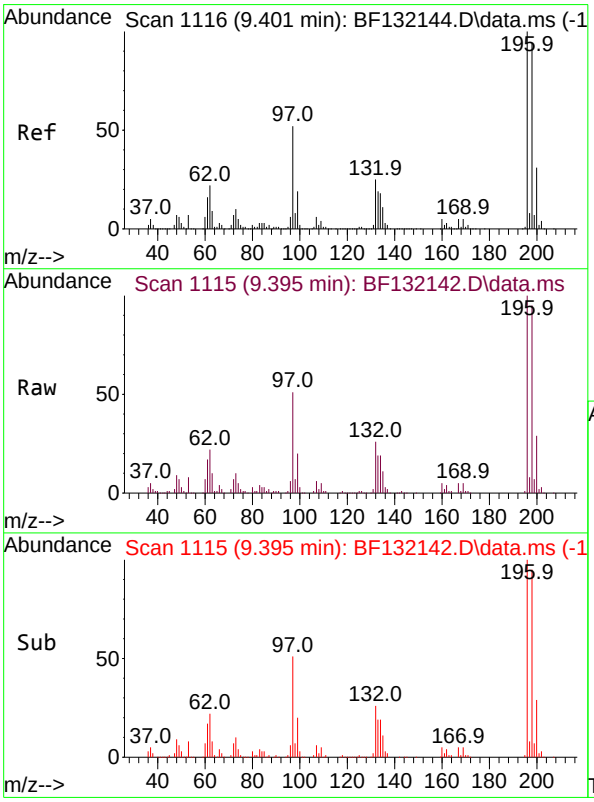
#43
2,4,6-Trichlorophenol
Concen: 9.577 ng
RT: 9.360 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 70987

Ion	Ratio	Lower	Upper
196	100		
198	92.1	77.4	116.2
200	30.3	24.9	37.3

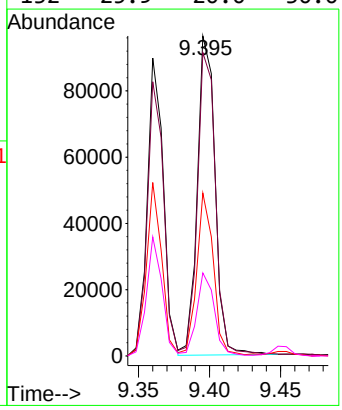


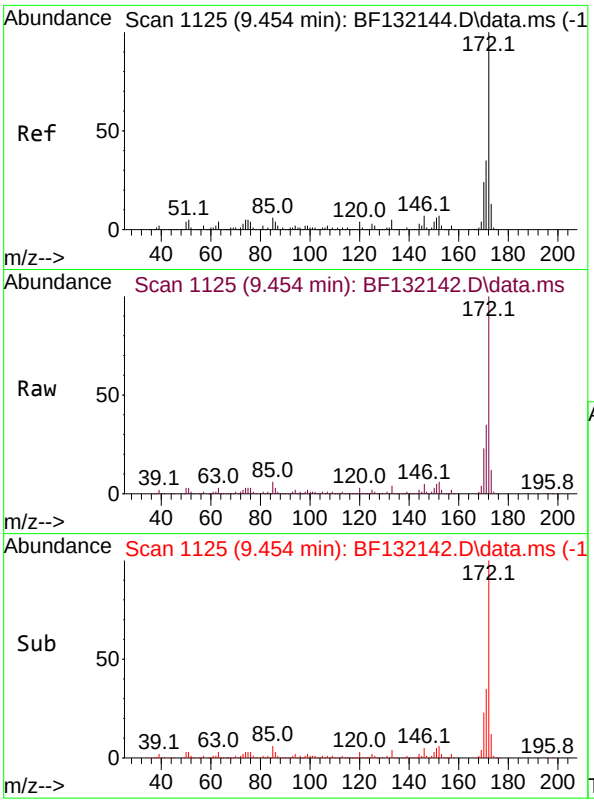


#44
2,4,5-Trichlorophenol
Concen: 9.647 ng
RT: 9.395 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:196 Resp: 83630

Ion	Ratio	Lower	Upper
196	100		
198	94.8	75.3	112.9
97	50.9	41.3	61.9
132	25.9	20.0	30.0



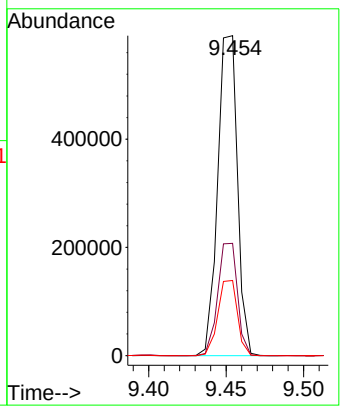


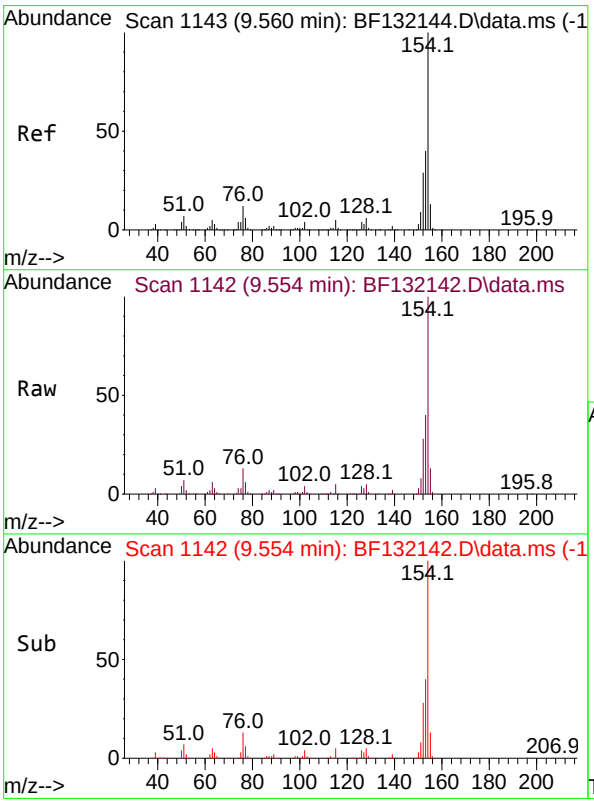
#45
2-Fluorobiphenyl
Concen: 23.925 ng
RT: 9.454 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 524790

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.2
170	23.5	19.6	29.4

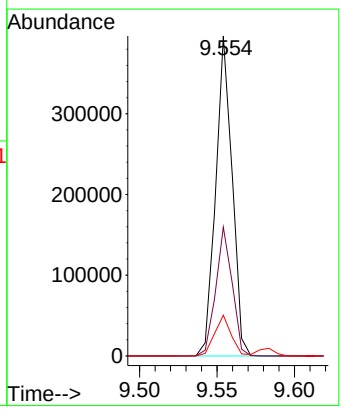


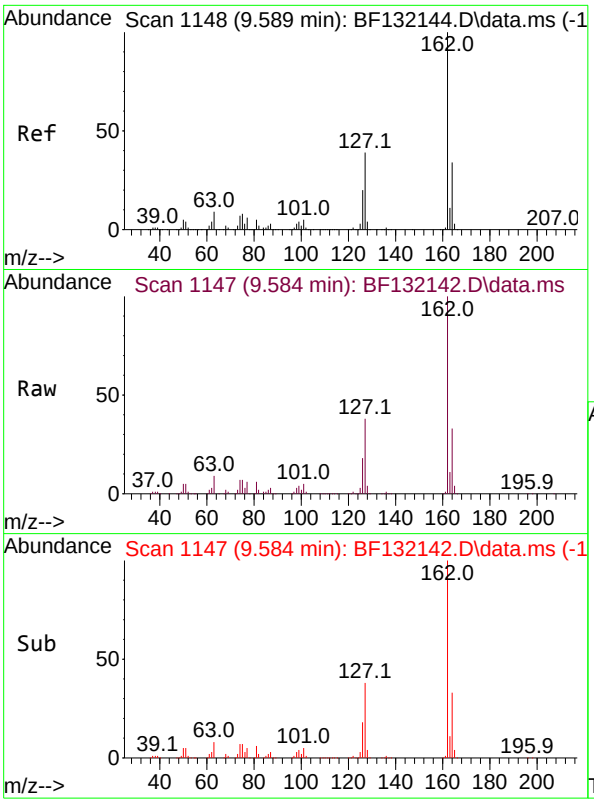


#46
1,1'-Biphenyl
Concen: 10.837 ng
RT: 9.554 min Scan# 1142
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:154 Resp: 293487

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.2	60.2
76	12.7	0.0	32.2



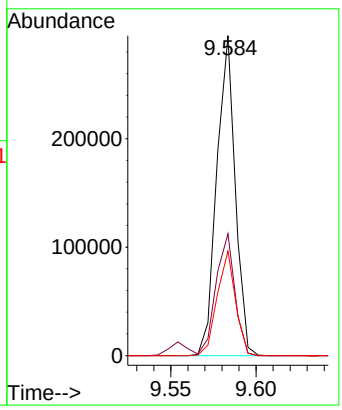


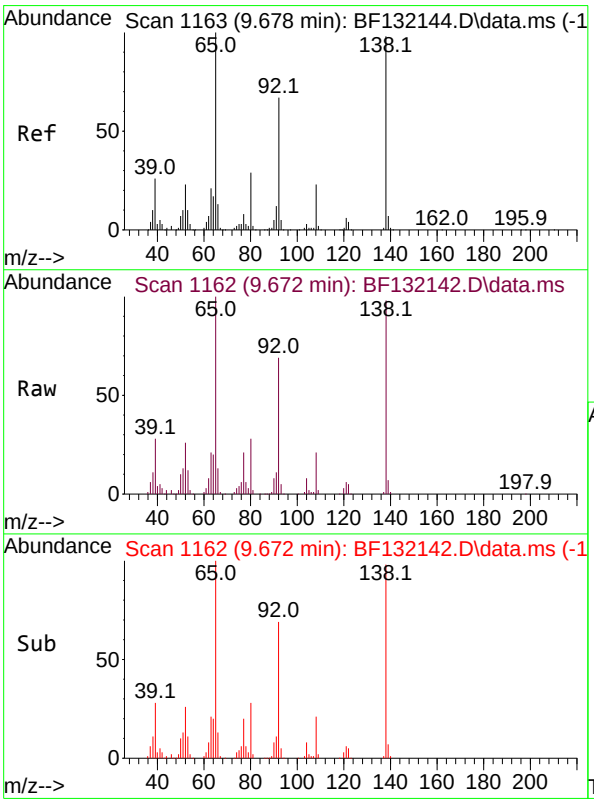
#47
2-Chloronaphthalene
Concen: 10.609 ng
RT: 9.584 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 222092

Ion	Ratio	Lower	Upper
162	100		
127	38.1	31.1	46.7
164	32.7	26.9	40.3

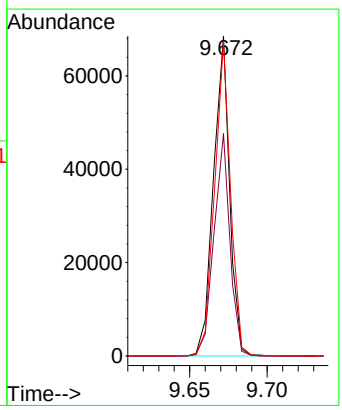


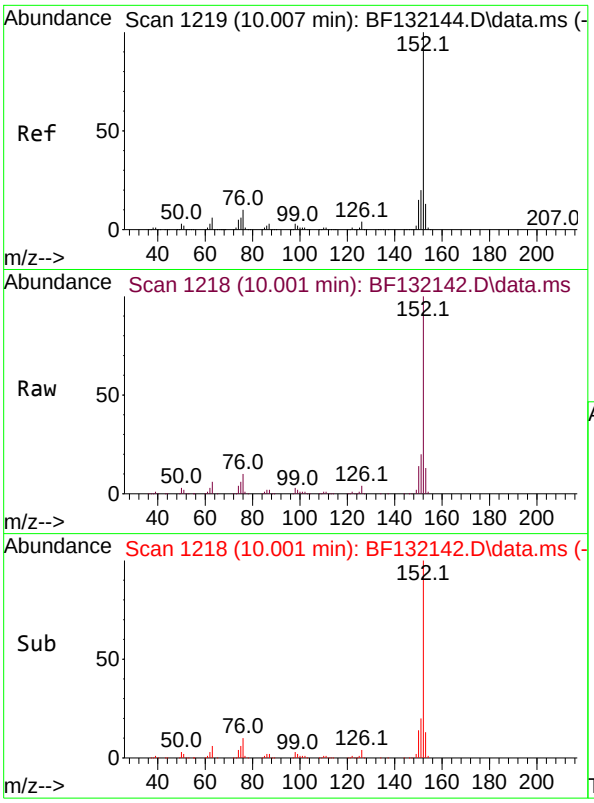


#48
2-Nitroaniline
Concen: 8.207 ng
RT: 9.672 min Scan# 1162
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion: 65 Resp: 49471

Ion	Ratio	Lower	Upper
65	100		
92	69.5	53.8	80.6
138	98.4	78.7	118.1



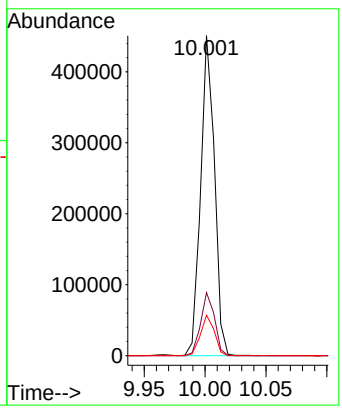


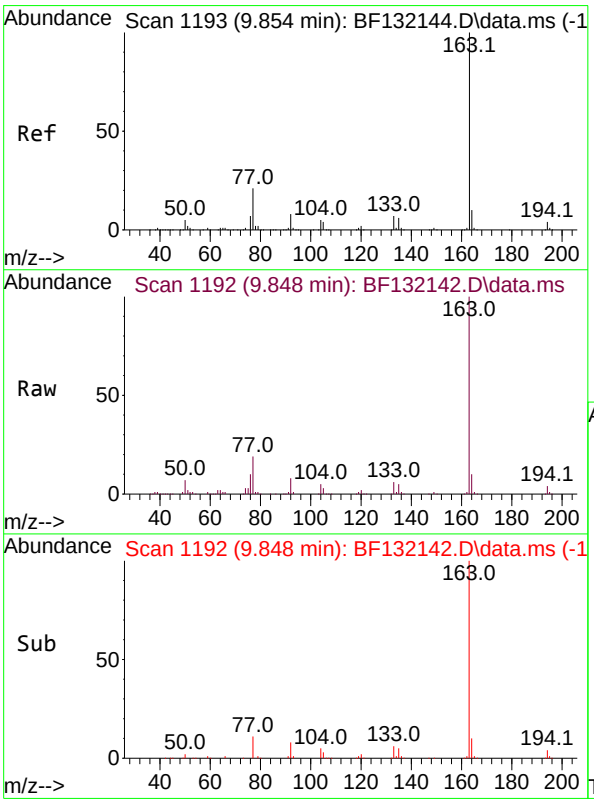
#49
Acenaphthylene
Concen: 10.651 ng
RT: 10.001 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 356712

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.4	24.6
153	12.6	10.6	15.8

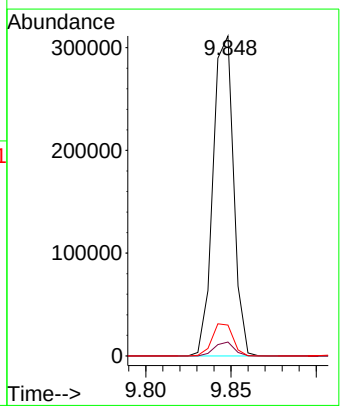


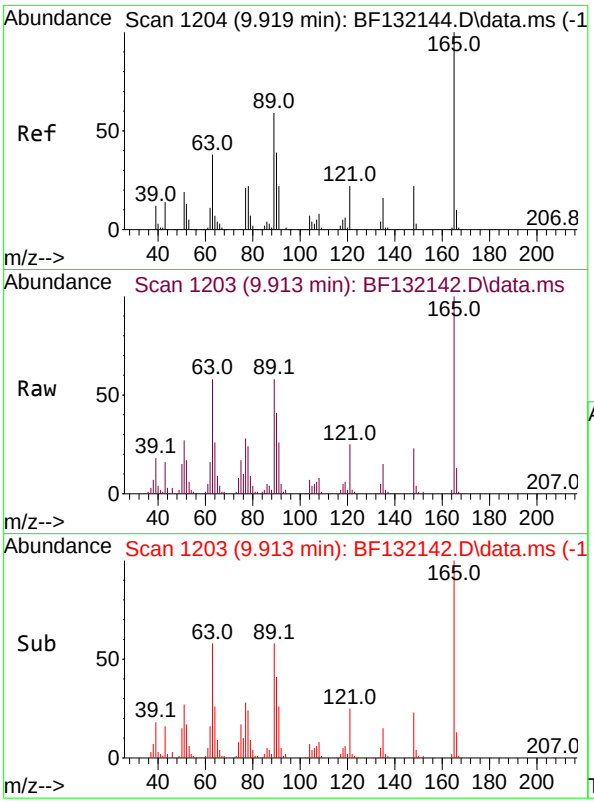


#50
Dimethylphthalate
Concen: 10.495 ng
RT: 9.848 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:163 Resp: 260923

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.1	4.7
164	9.6	8.2	12.2



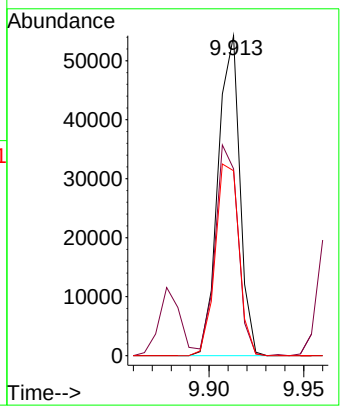


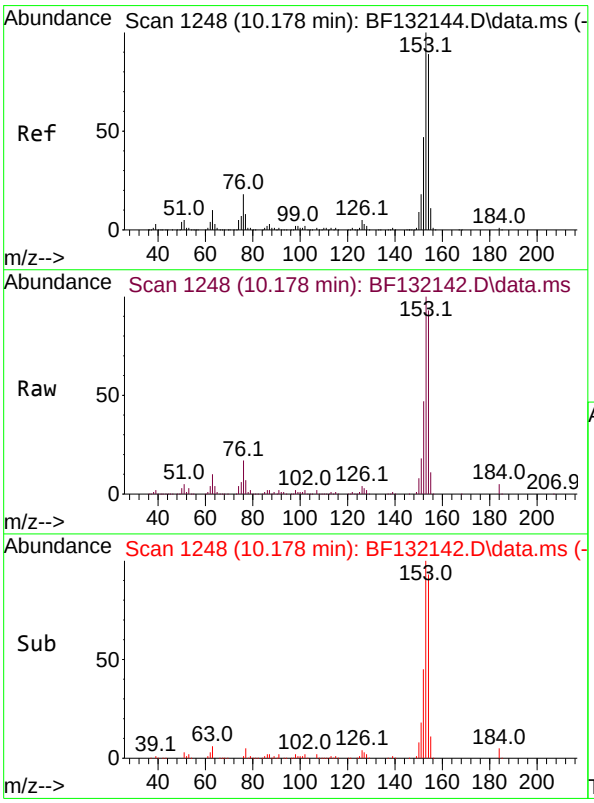
#51
2,6-Dinitrotoluene
Concen: 9.010 ng
RT: 9.913 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 43419

Ion	Ratio	Lower	Upper
165	100		
63	58.4	46.6	70.0
89	57.8	47.4	71.2

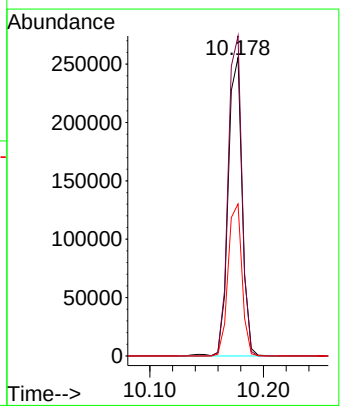


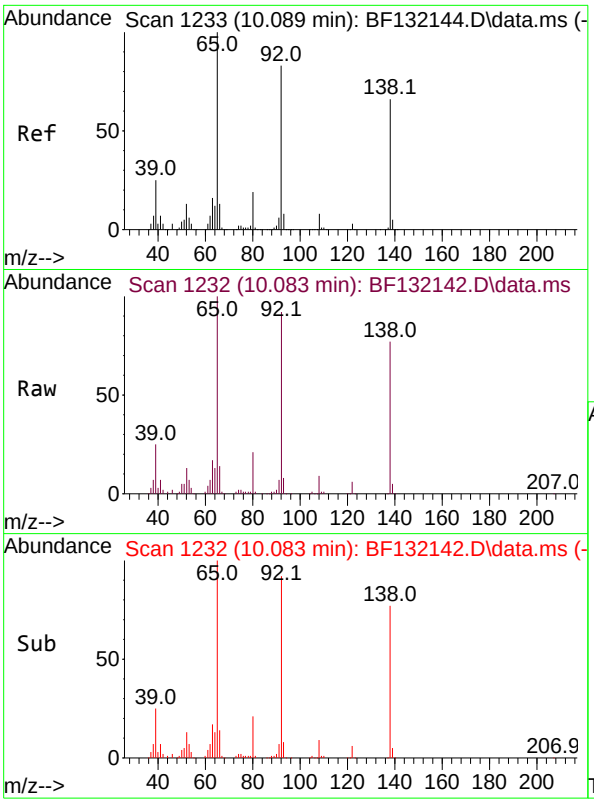


#52
Acenaphthene
Concen: 10.810 ng
RT: 10.178 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:154 Resp: 217757

Ion	Ratio	Lower	Upper
154	100		
153	107.3	89.8	134.8
152	50.9	42.3	63.5



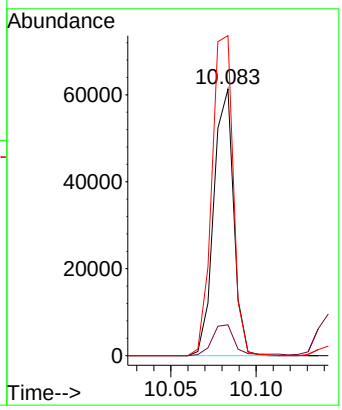


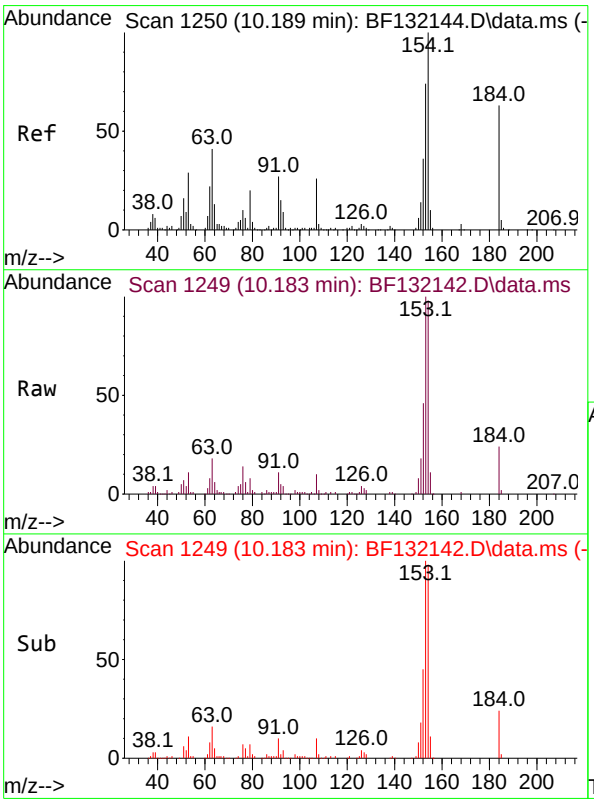
#53
3-Nitroaniline
Concen: 9.639 ng
RT: 10.083 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 49662

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.1	13.7
92	120.2	101.2	151.8

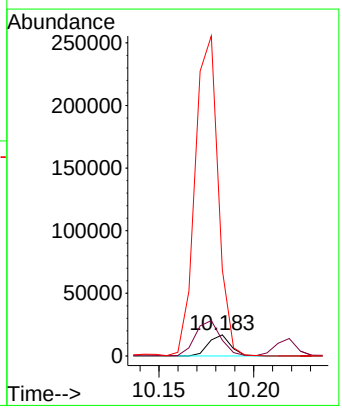


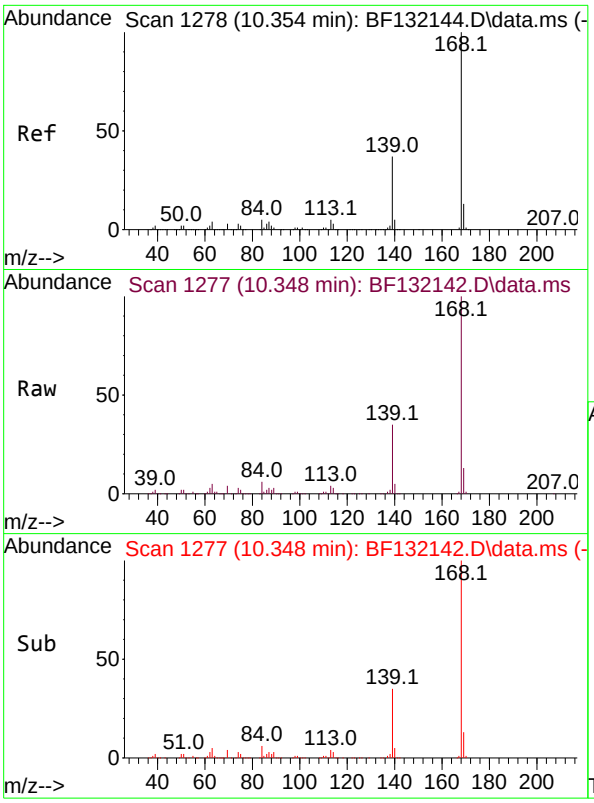


#54
2,4-Dinitrophenol
Concen: 6.882 ng
RT: 10.183 min Scan# 1249
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:184 Resp: 13395

Ion	Ratio	Lower	Upper
184	100		
63	73.9	53.2	79.8
154	407.9	129.4	194.0#



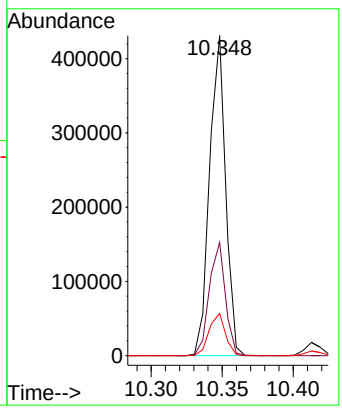


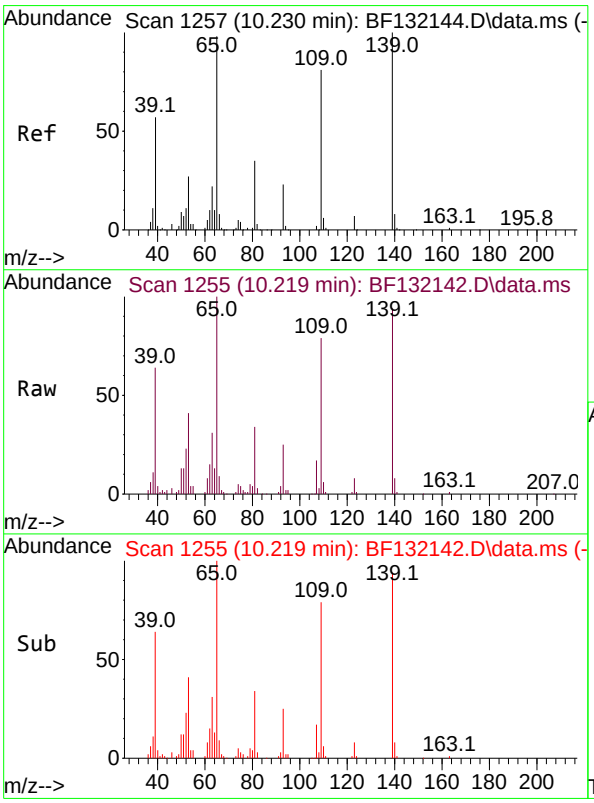
#55
Dibenzofuran
Concen: 10.865 ng
RT: 10.348 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 338245

Ion	Ratio	Lower	Upper
168	100		
139	35.4	29.8	44.8
169	13.2	10.3	15.5

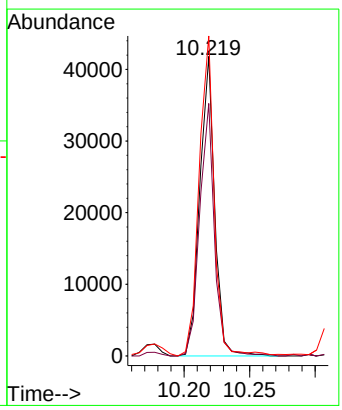


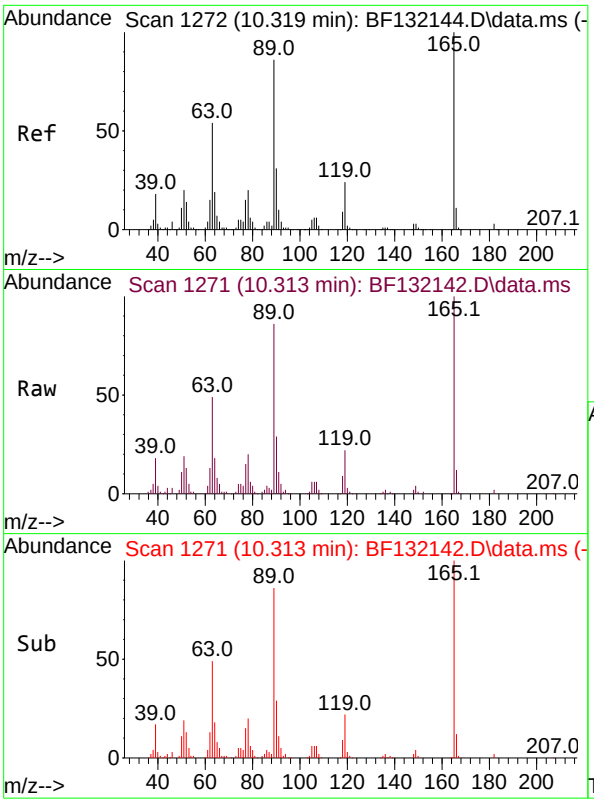


#56
4-Nitrophenol
Concen: 8.759 ng
RT: 10.219 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:139 Resp: 32842

Ion	Ratio	Lower	Upper
139	100		
109	84.3	61.0	101.0
65	106.9	79.3	119.3



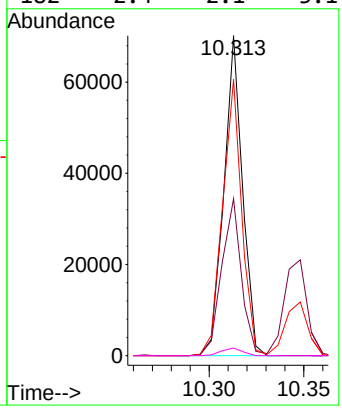


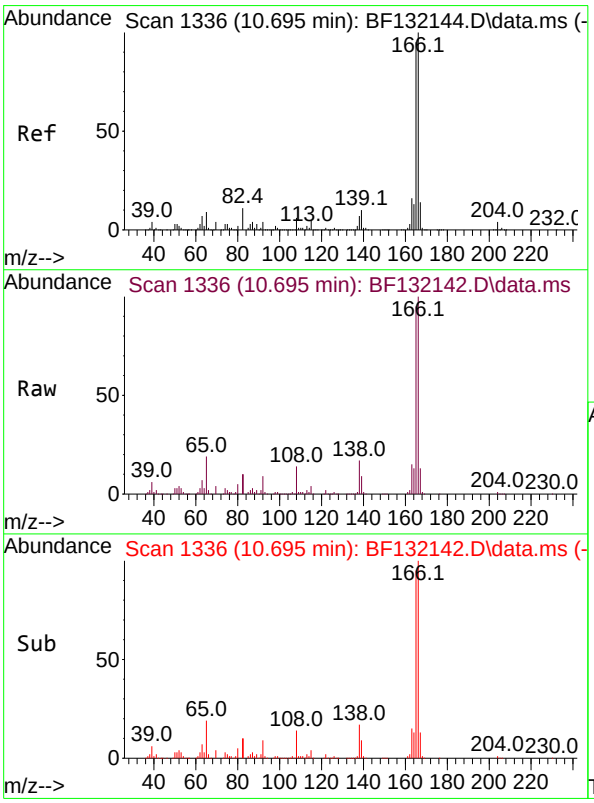
#57
2,4-Dinitrotoluene
Concen: 8.342 ng
RT: 10.313 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 48250

Ion	Ratio	Lower	Upper
165	100		
63	49.0	43.5	65.3
89	86.3	69.0	103.6
182	2.4	2.1	3.1

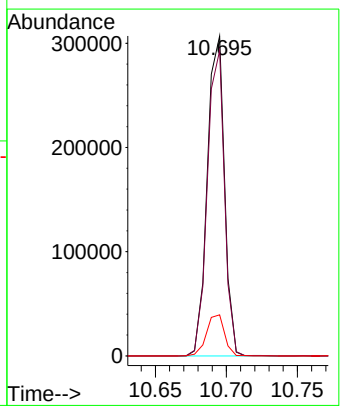


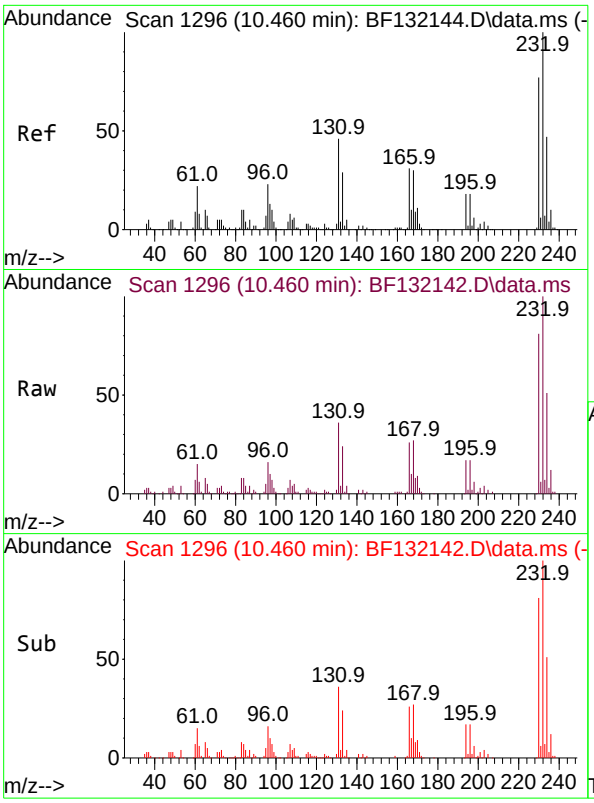


#58
Fluorene
Concen: 11.191 ng
RT: 10.695 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:166 Resp: 258139

Ion	Ratio	Lower	Upper
166	100		
165	95.4	76.4	114.6
167	12.9	11.0	16.4



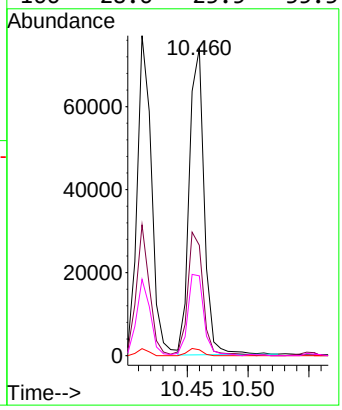


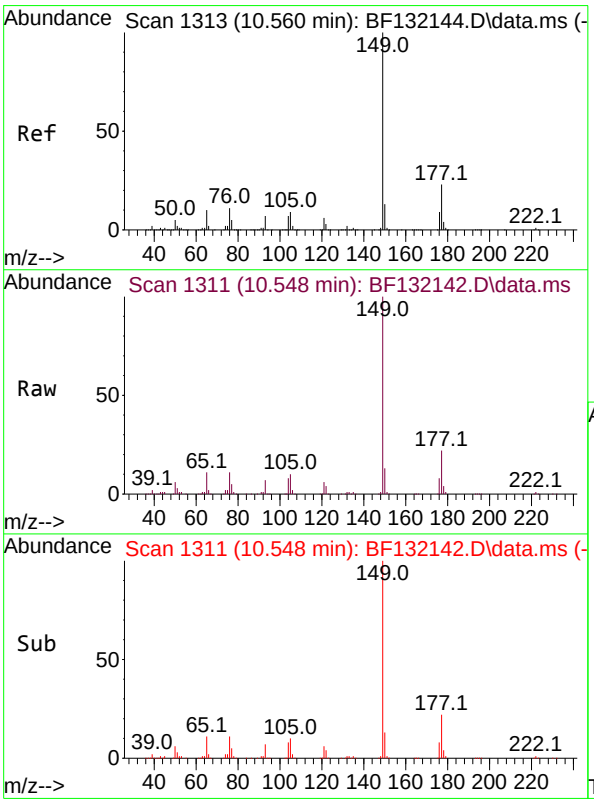
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.517 ng
RT: 10.460 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 62761

Ion	Ratio	Lower	Upper
232	100		
131	41.9	33.8	50.6
130	2.2	1.9	2.9
166	28.6	23.5	35.3

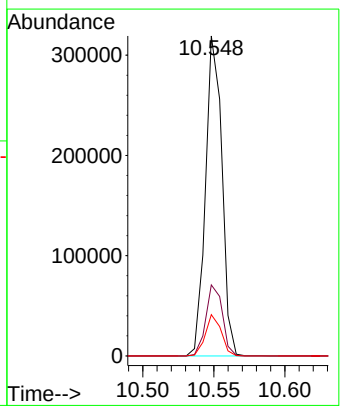


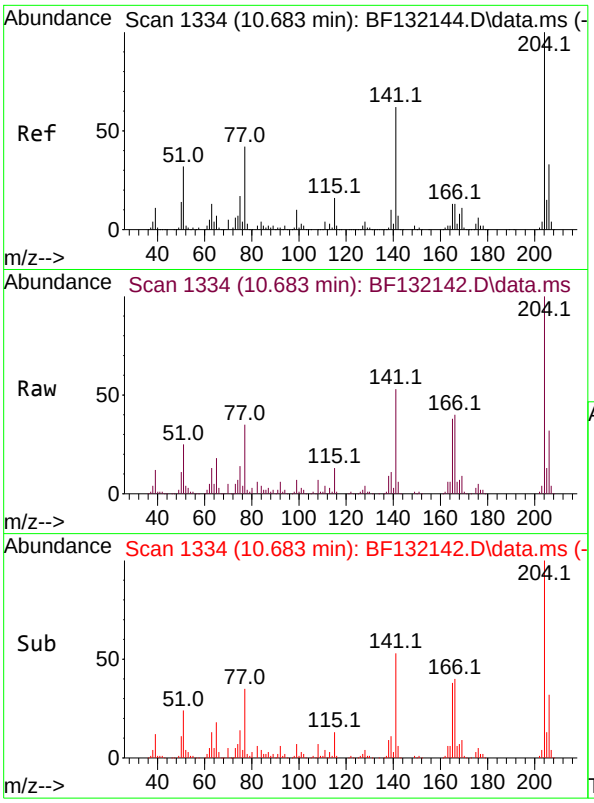


#60
Diethylphthalate
Concen: 10.511 ng
RT: 10.548 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:149 Resp: 256262

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.4	27.6
150	12.9	10.1	15.1



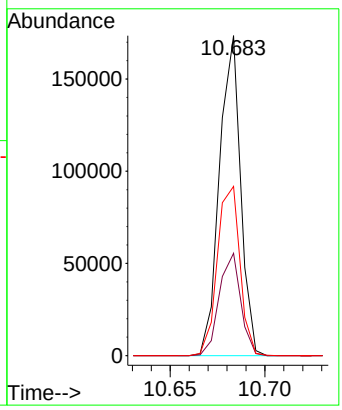


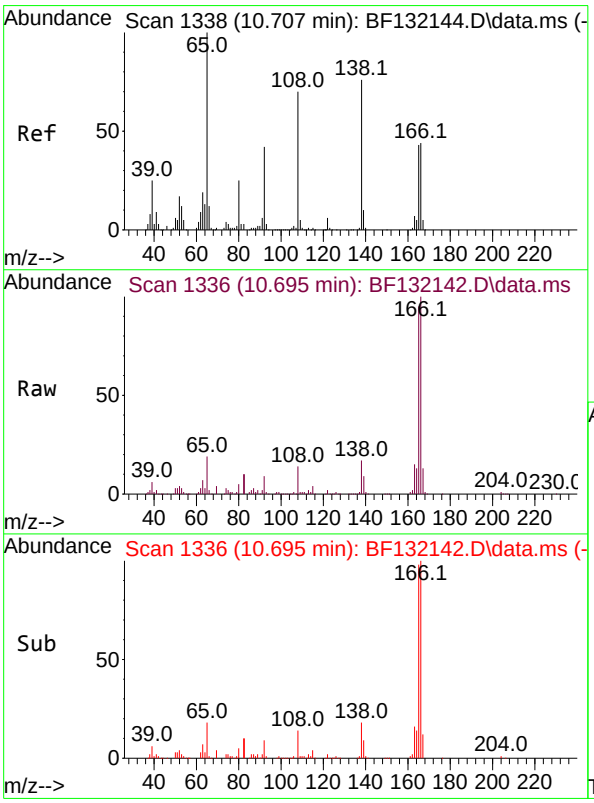
#61
4-Chlorophenyl-phenylether
Concen: 10.878 ng
RT: 10.683 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 134364

Ion	Ratio	Lower	Upper
204	100		
206	32.0	26.4	39.6
141	52.9	49.2	73.8

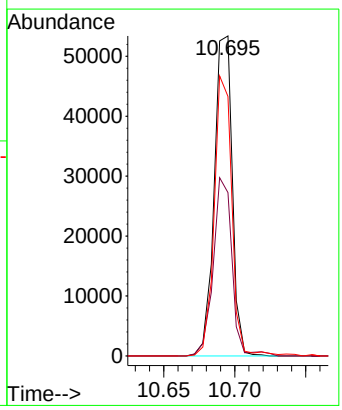


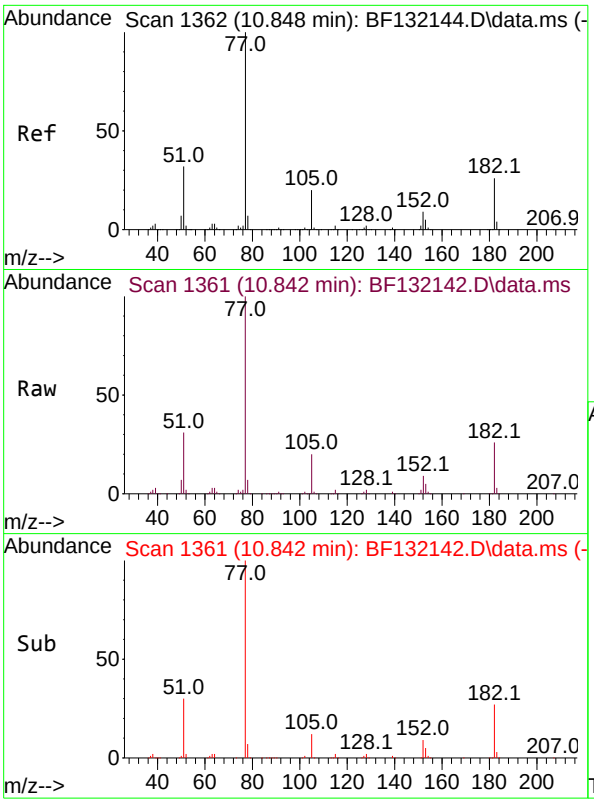


#62
4-Nitroaniline
Concen: 9.855 ng
RT: 10.695 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:138 Resp: 47271

Ion	Ratio	Lower	Upper
138	100		
92	51.0	35.9	75.9
108	81.1	72.0	112.0



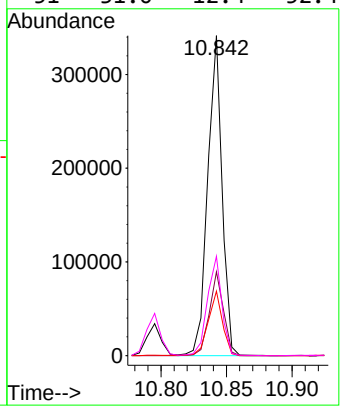


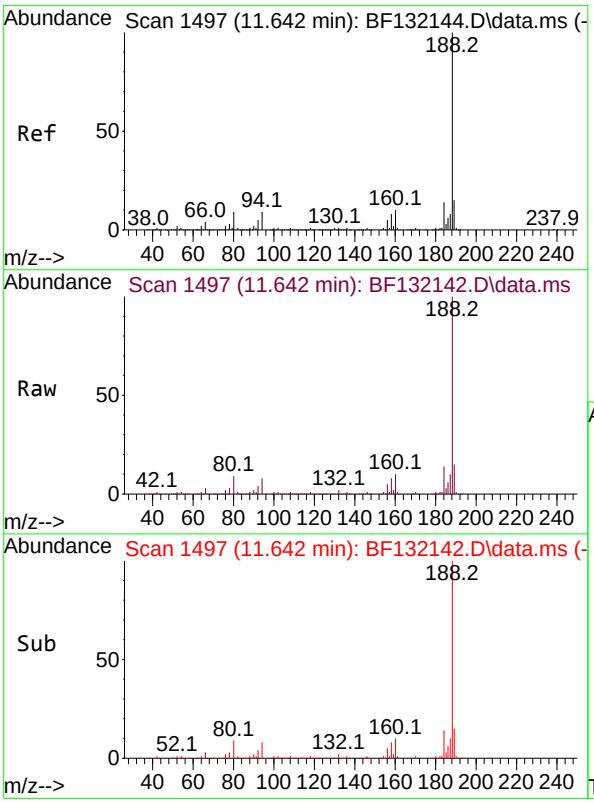
#63
Azobenzene
Concen: 10.627 ng
RT: 10.842 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 260037

Ion	Ratio	Lower	Upper
77	100		
182	26.2	6.4	46.4
105	20.1	0.0	39.8
51	31.0	12.4	52.4

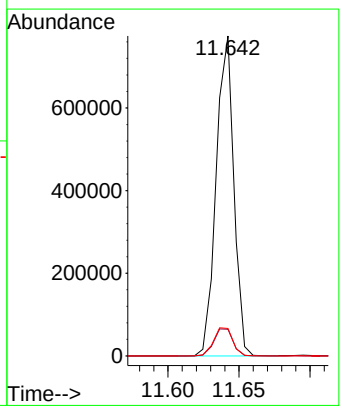


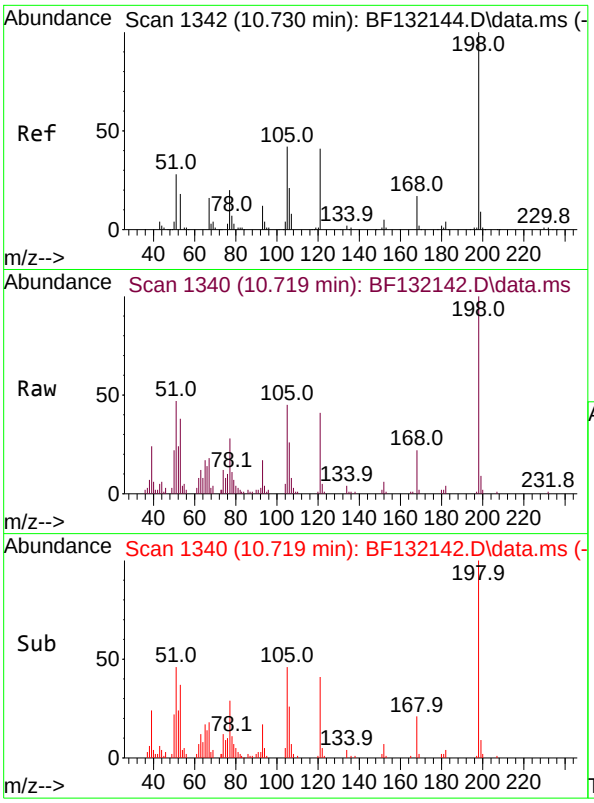


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.642 min Scan# 1497
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:188 Resp: 671726

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.9	10.3
80	8.6	7.5	11.3



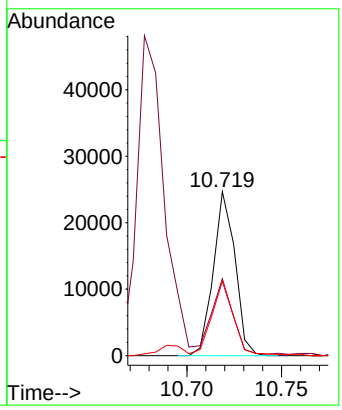


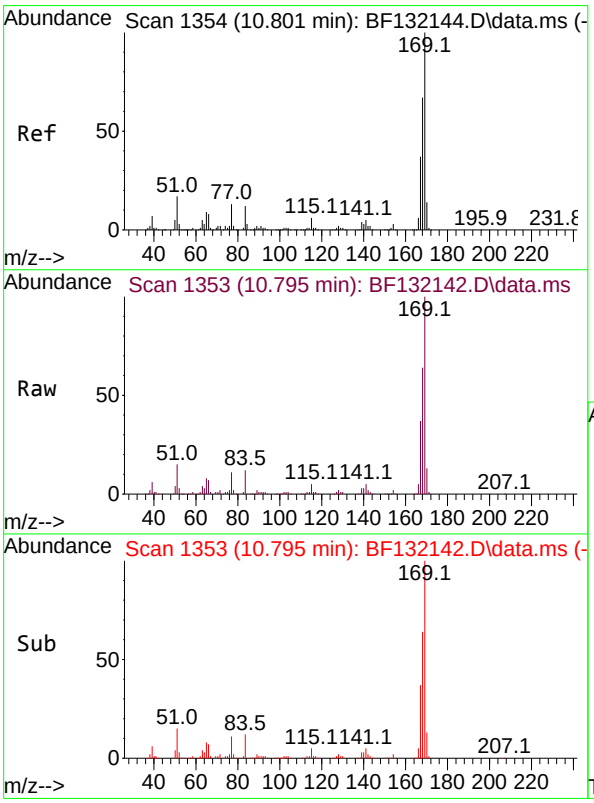
#65
4,6-Dinitro-2-methylphenol
Concen: 6.725 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 19587

Ion	Ratio	Lower	Upper
198	100		
51	46.9	24.3	64.3
105	45.2	23.3	63.3

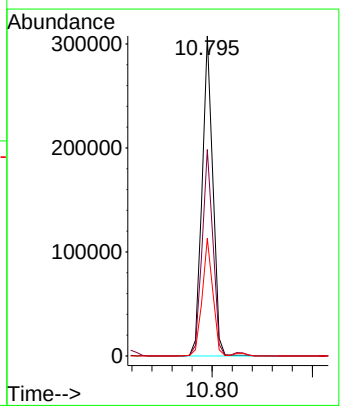


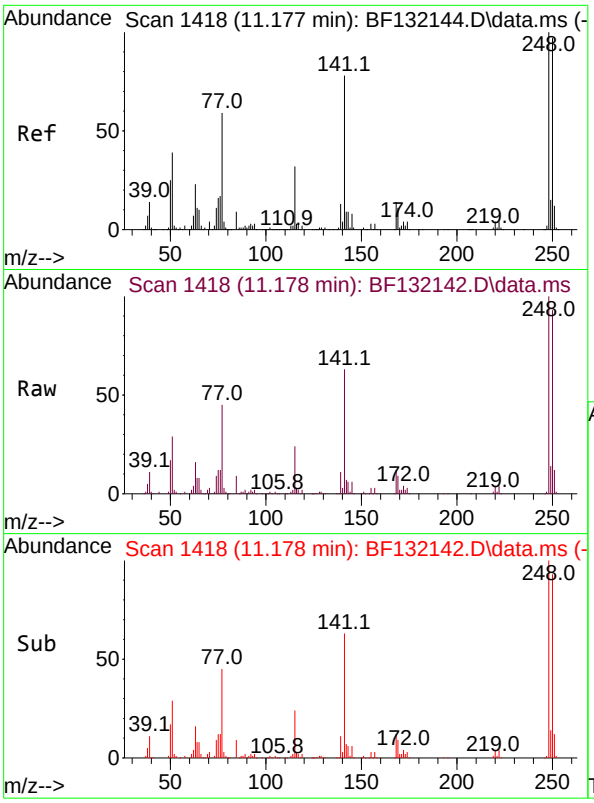


#66
n-Nitrosodiphenylamine
Concen: 10.636 ng
RT: 10.795 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:169 Resp: 228808

Ion	Ratio	Lower	Upper
169	100		
168	64.5	53.4	80.0
167	36.7	29.7	44.5



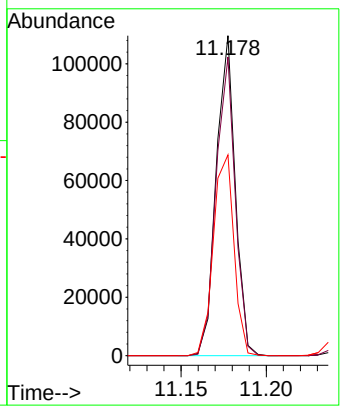


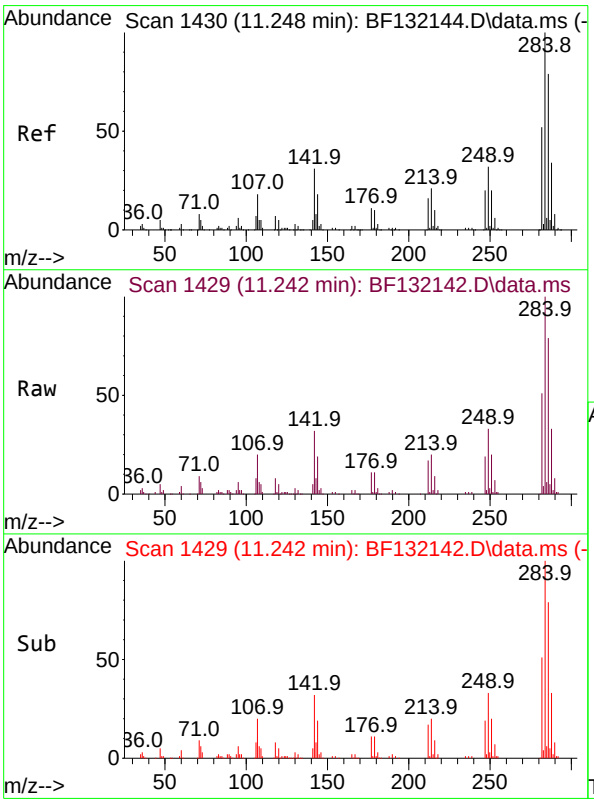
#67
4-Bromophenyl-phenylether
Concen: 10.365 ng
RT: 11.178 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 84869

Ion	Ratio	Lower	Upper
248	100		
250	93.3	77.4	116.0
141	62.7	62.2	93.2

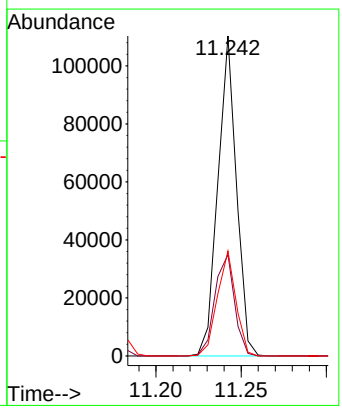


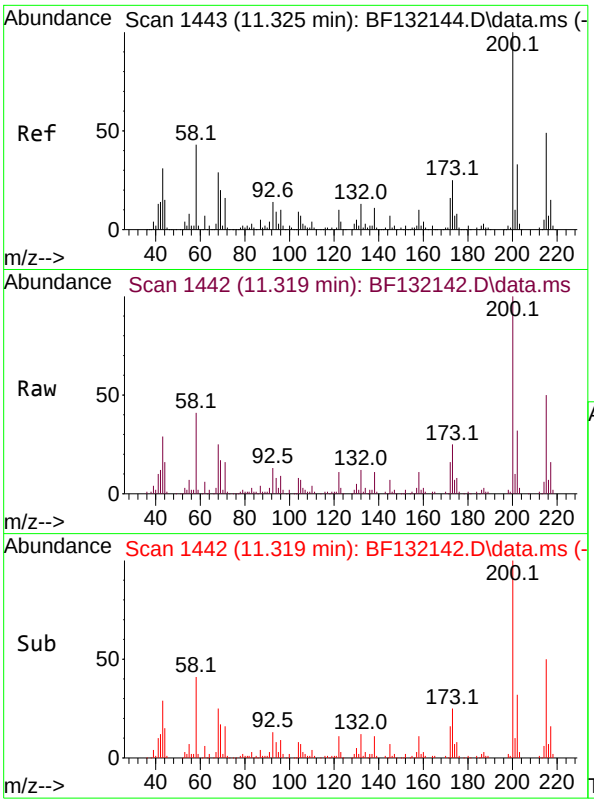


#68
Hexachlorobenzene
Concen: 10.254 ng
RT: 11.242 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:284 Resp: 83441

Ion	Ratio	Lower	Upper
284	100		
142	31.7	24.7	37.1
249	32.8	25.6	38.4



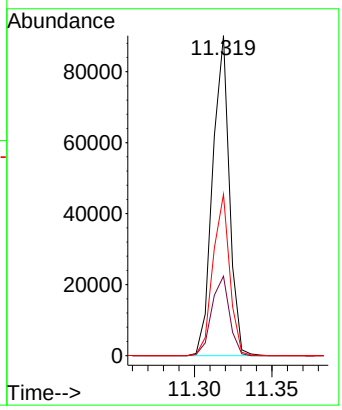


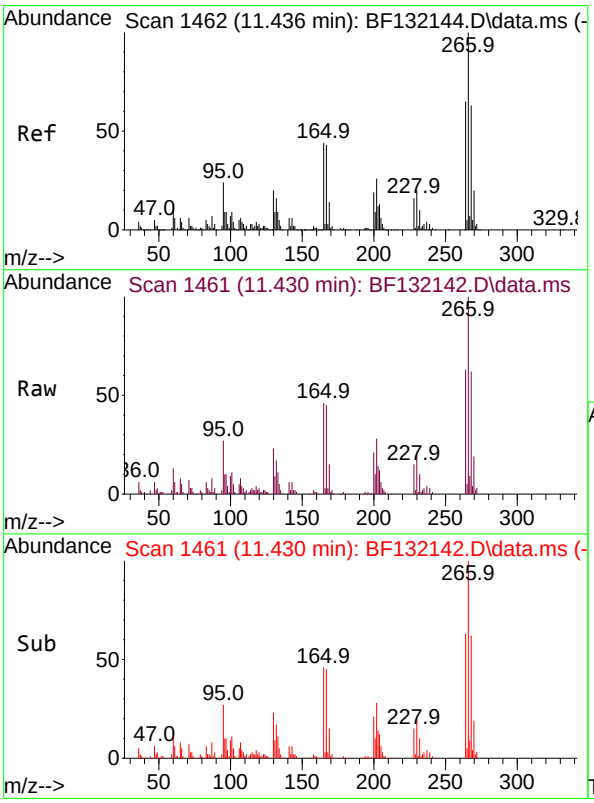
#69
Atrazine
Concen: 10.201 ng
RT: 11.319 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 67709

Ion	Ratio	Lower	Upper
200	100		
173	24.8	5.0	45.0
215	50.4	28.6	68.6

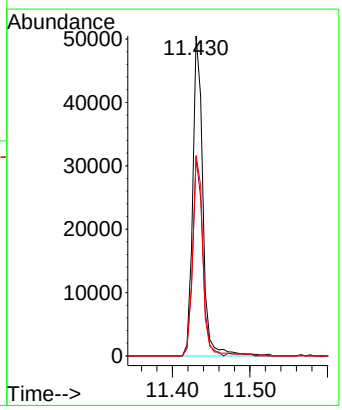


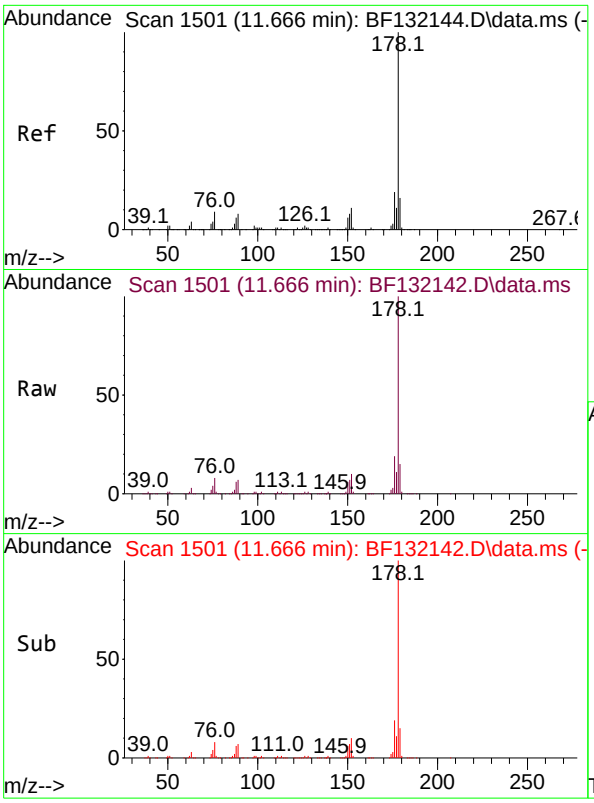


#70
Pentachlorophenol
Concen: 8.731 ng
RT: 11.430 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:266 Resp: 45654

Ion	Ratio	Lower	Upper
266	100		
268	62.0	50.8	76.2
264	62.6	52.3	78.5



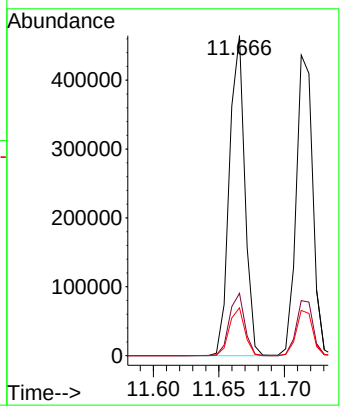


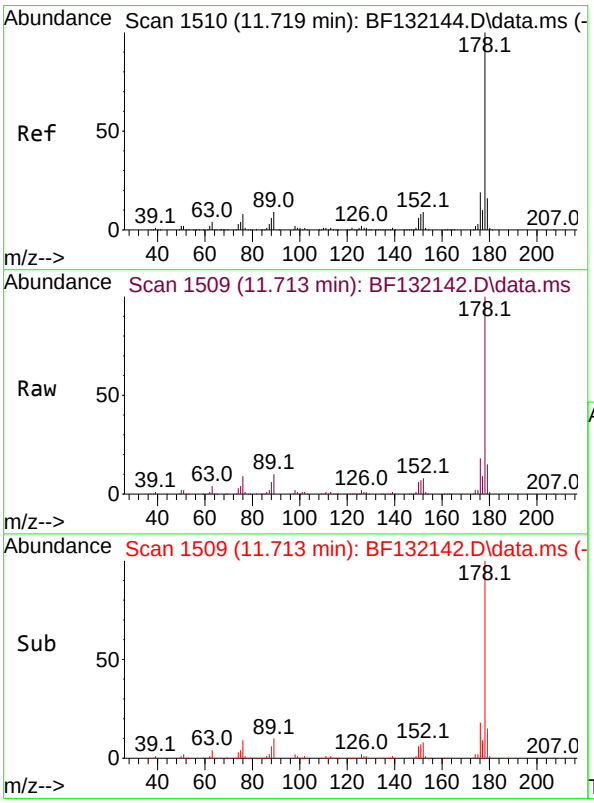
#71
Phenanthrene
Concen: 10.800 ng
RT: 11.666 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 380704

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	14.9	12.6	19.0

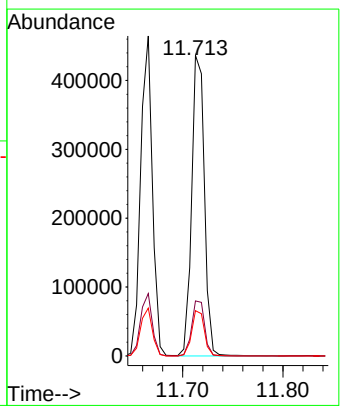


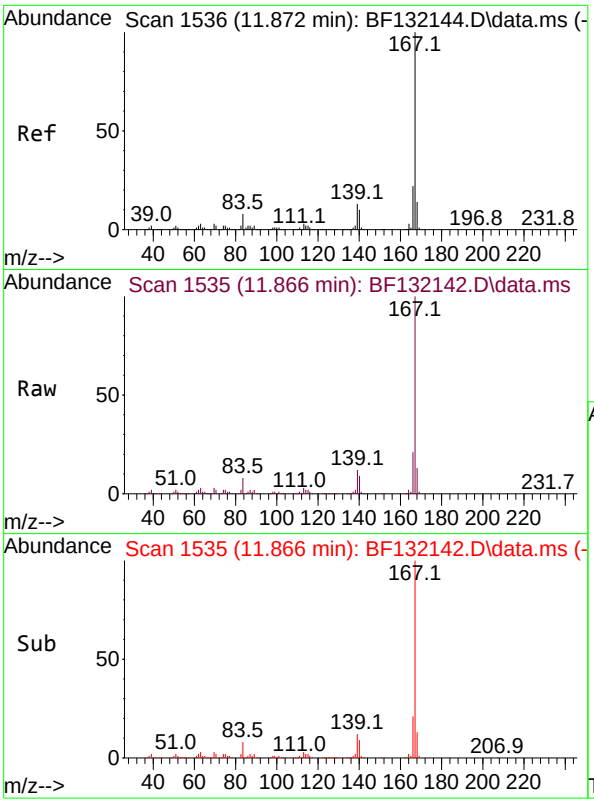


#72
Anthracene
Concen: 10.833 ng
RT: 11.713 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:178 Resp: 386327

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.3	22.9
179	15.0	12.6	18.8



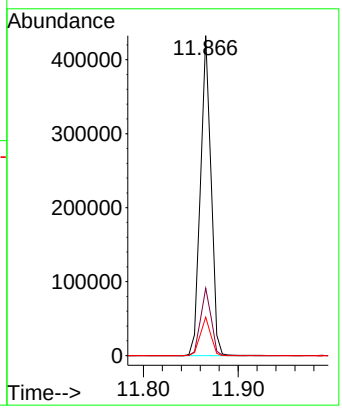


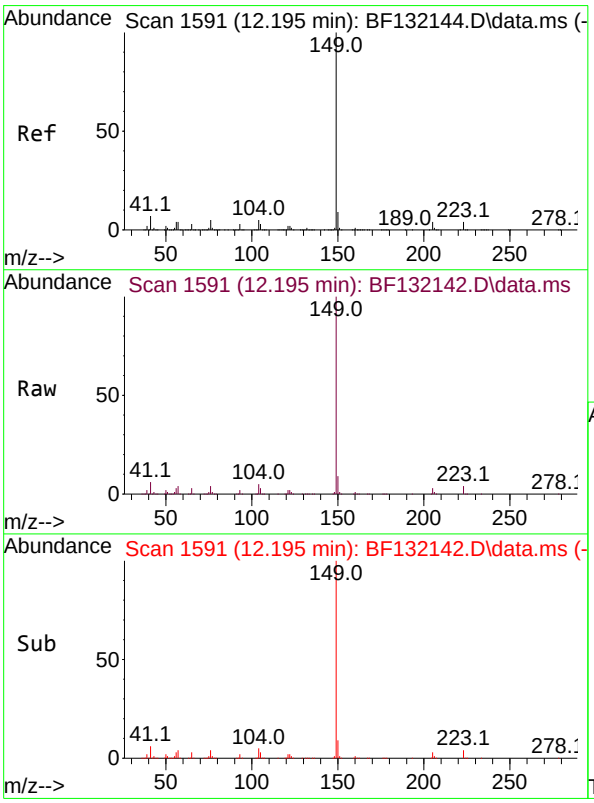
#73
Carbazole
Concen: 10.997 ng
RT: 11.866 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 334989

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.7	26.5
139	12.0	10.5	15.7

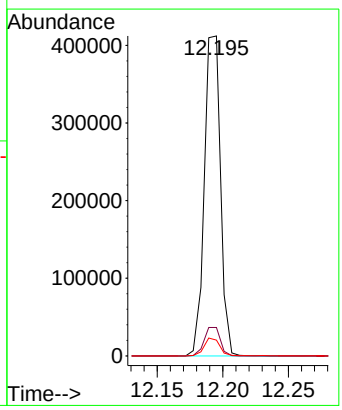


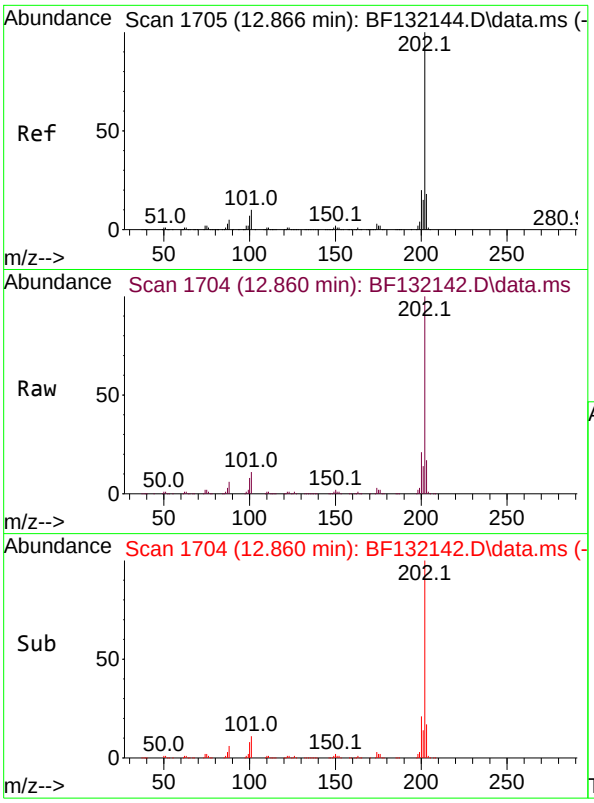


#74
Di-n-butylphthalate
Concen: 10.421 ng
RT: 12.195 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:149 Resp: 353393

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	4.9	4.3	6.5



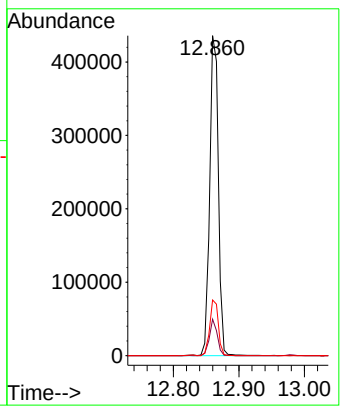


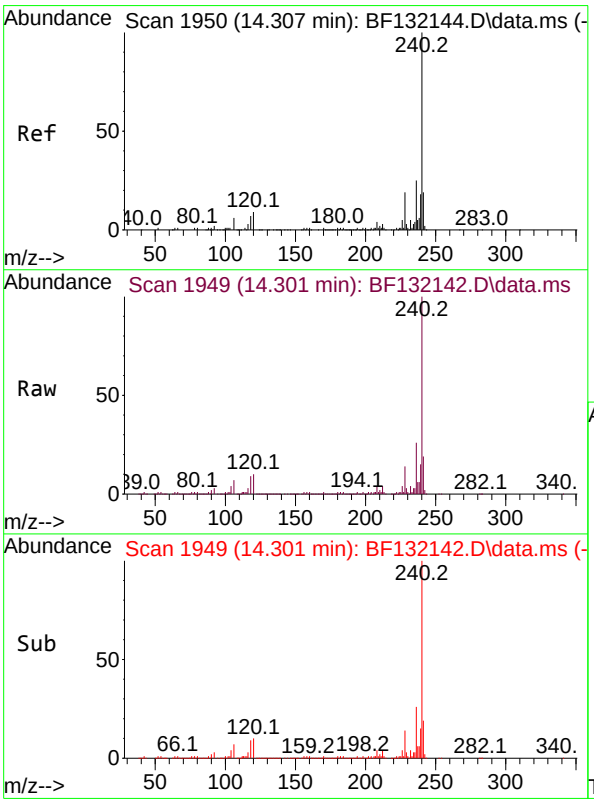
#75
Fluoranthene
Concen: 11.035 ng
RT: 12.860 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 399560

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	29.6
203	17.4	0.0	37.9

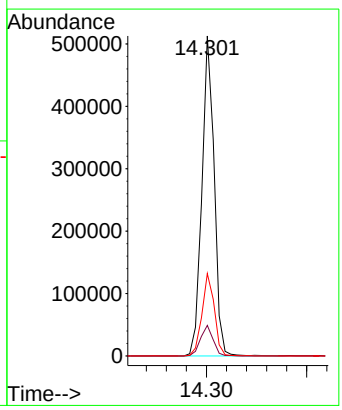


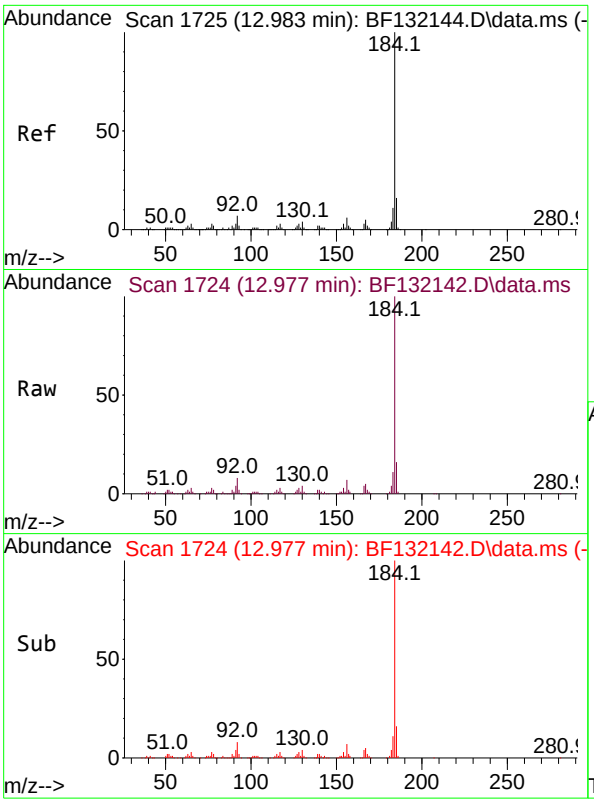


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.301 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:240 Resp: 434613

Ion	Ratio	Lower	Upper
240	100		
120	9.5	6.9	10.3
236	25.7	20.3	30.5



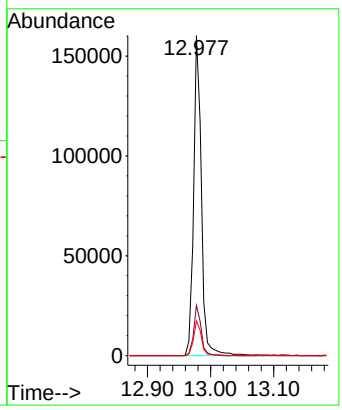


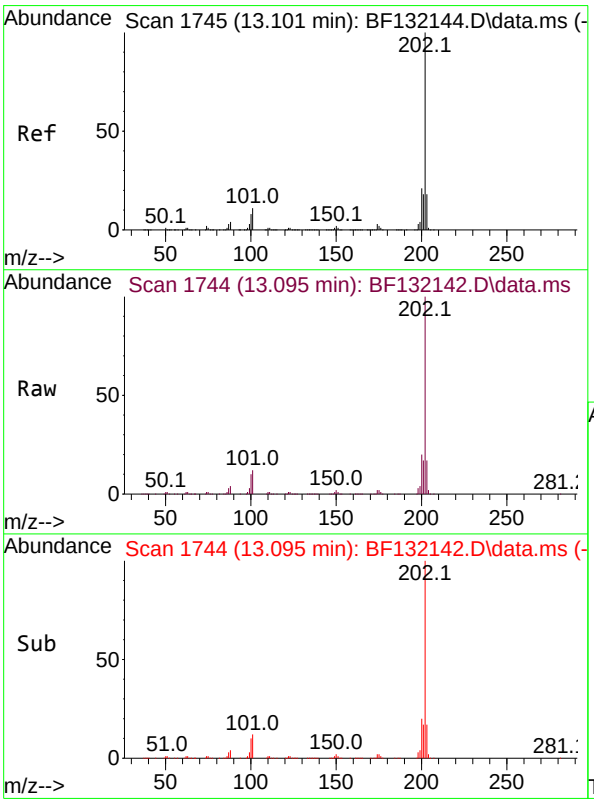
#77
Benzidine
Concen: 10.569 ng
RT: 12.977 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 137915

Ion	Ratio	Lower	Upper
184	100		
185	15.7	12.5	18.7
183	10.8	9.0	13.4

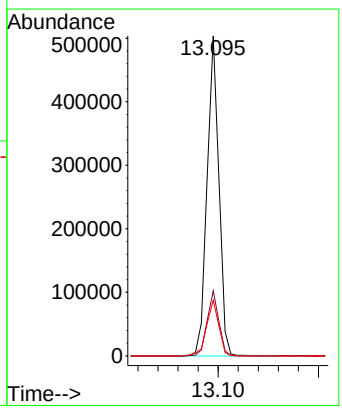


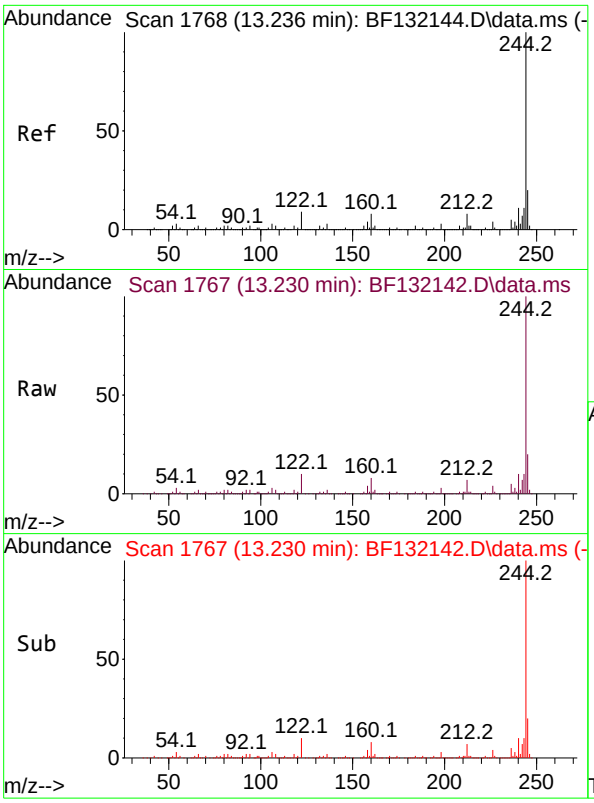


#78
Pyrene
Concen: 10.255 ng
RT: 13.095 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:202 Resp: 410756

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.7	25.1
203	17.4	14.0	21.0



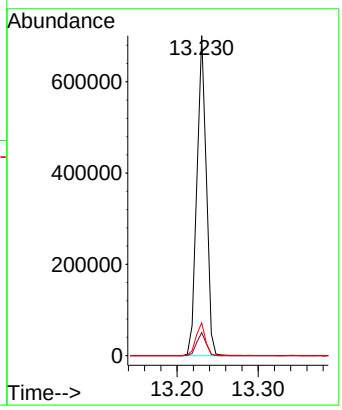


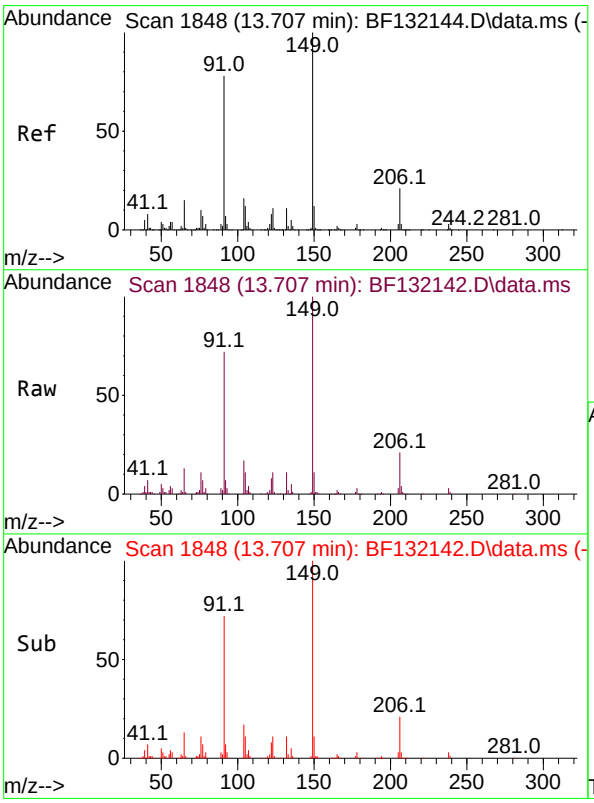
#79
Terphenyl-d14
Concen: 21.750 ng
RT: 13.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 564308

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.7	10.1
122	10.2	7.4	11.2

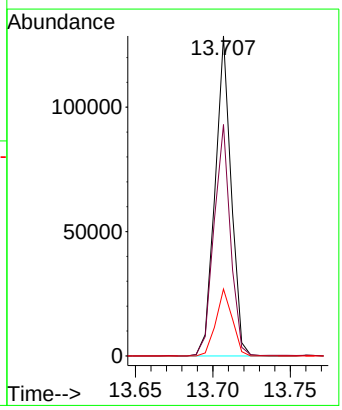


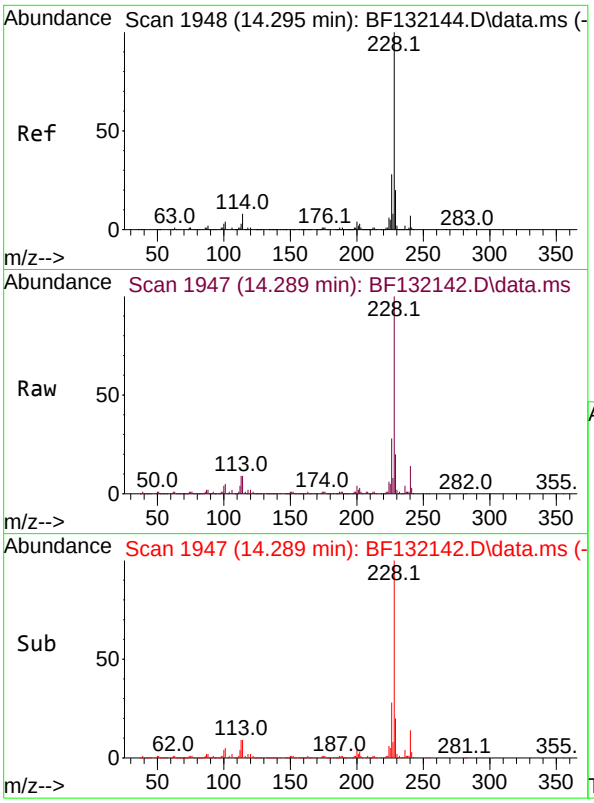


#80
Butylbenzylphthalate
Concen: 8.012 ng
RT: 13.707 min Scan# 1848
Delta R.T. -0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:149 Resp: 93001

Ion	Ratio	Lower	Upper
149	100		
91	72.3	62.6	94.0
206	20.9	16.4	24.6



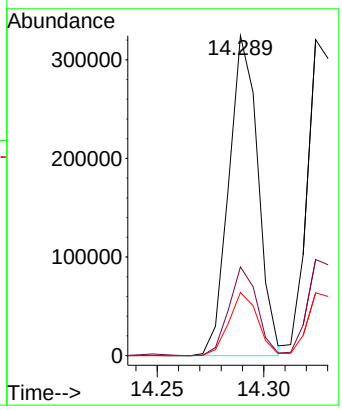


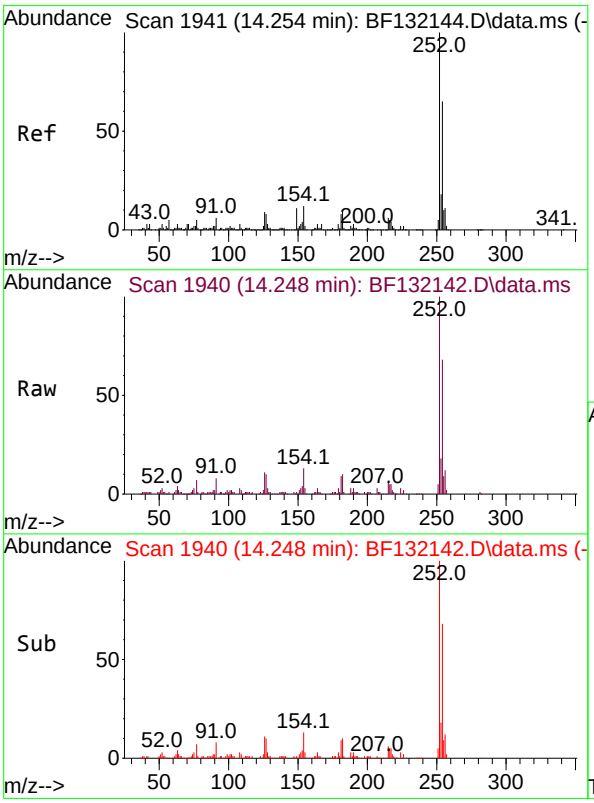
#81
Benzo(a)anthracene
Concen: 9.932 ng
RT: 14.289 min Scan# 19
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 308379

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.5	33.7
229	19.7	16.1	24.1

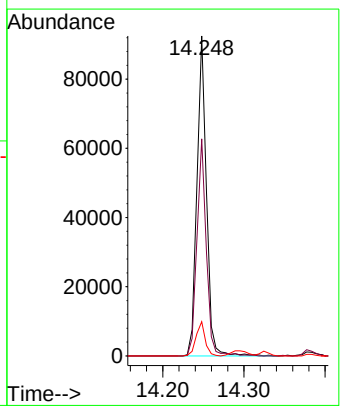


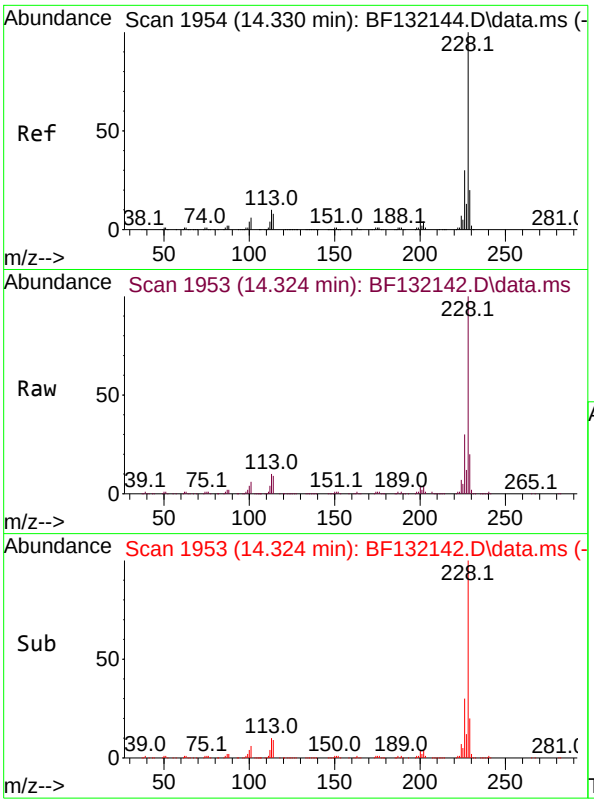


#82
3,3'-Dichlorobenzidine
Concen: 8.681 ng
RT: 14.248 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:252 Resp: 75066

Ion	Ratio	Lower	Upper
252	100		
254	67.8	52.4	78.6
126	10.7	7.0	10.6#



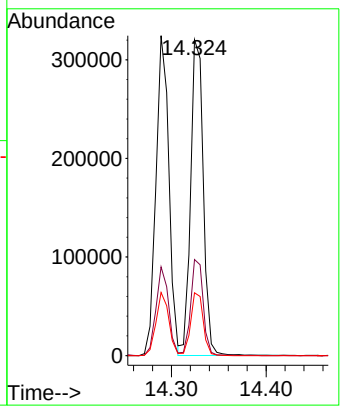


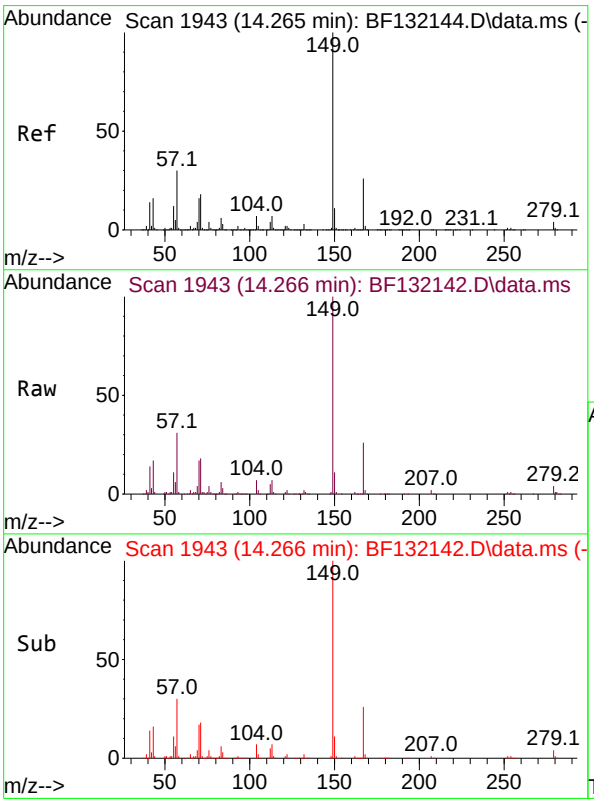
#83
Chrysene
Concen: 10.039 ng
RT: 14.324 min Scan# 19
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 296684

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.9	15.8	23.6

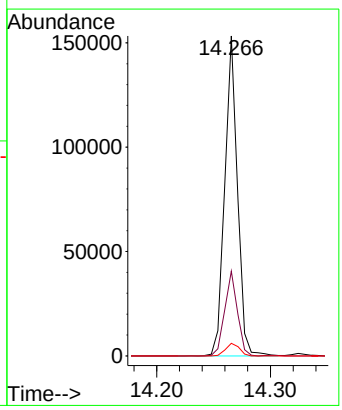


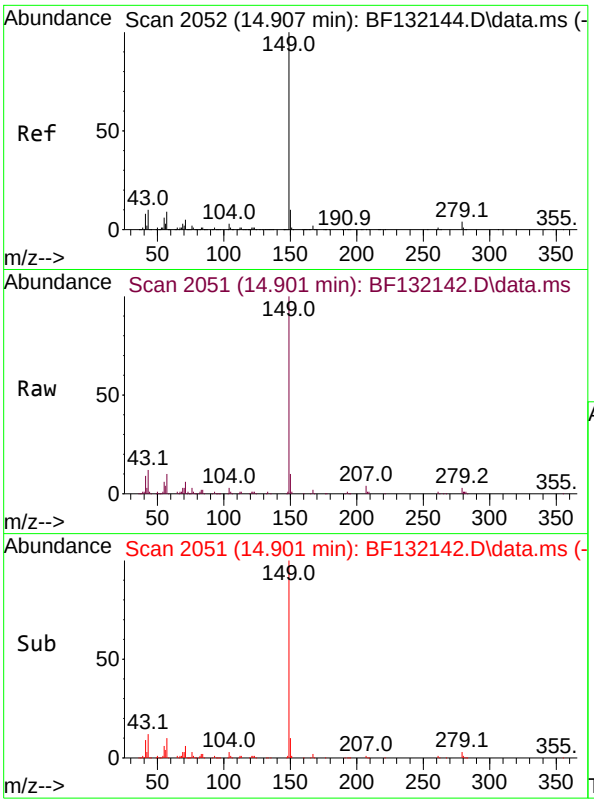


#84
Bis(2-ethylhexyl)phthalate
Concen: 7.754 ng
RT: 14.266 min Scan# 1943
Delta R.T. 0.001 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:149 Resp: 118849

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.0	31.6
279	4.0	3.2	4.8



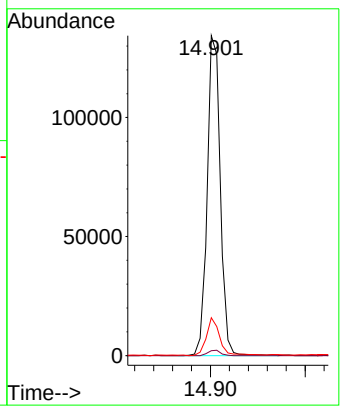


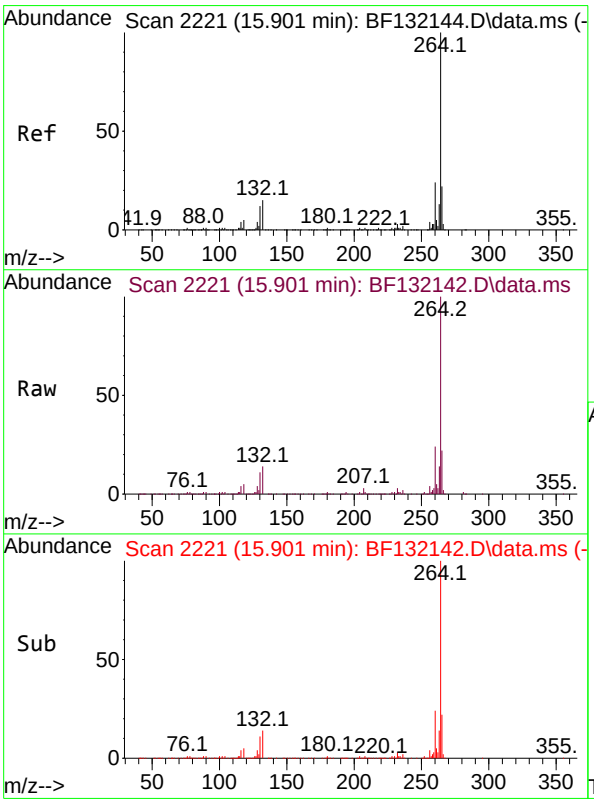
#85
Di-n-octyl phthalate
Concen: 5.499 ng
RT: 14.901 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 129384

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.3	8.4	12.6

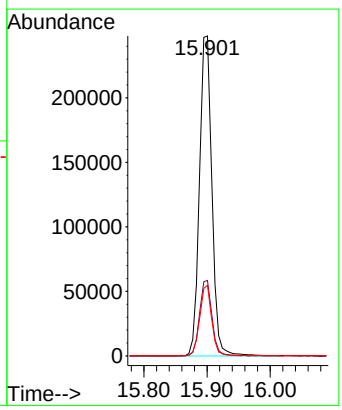


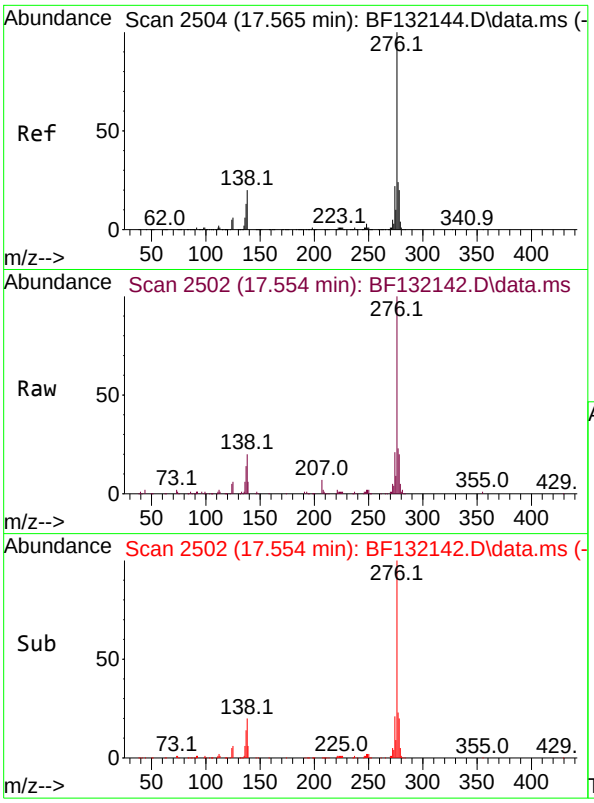


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.901 min Scan# 2221
Delta R.T. 0.000 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:264 Resp: 339398

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	22.1	17.4	26.0



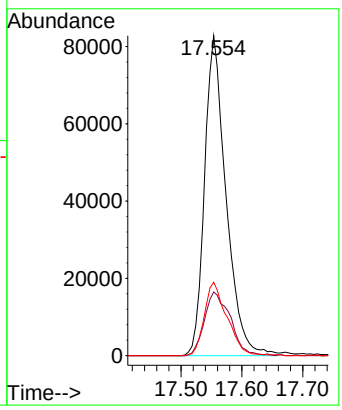


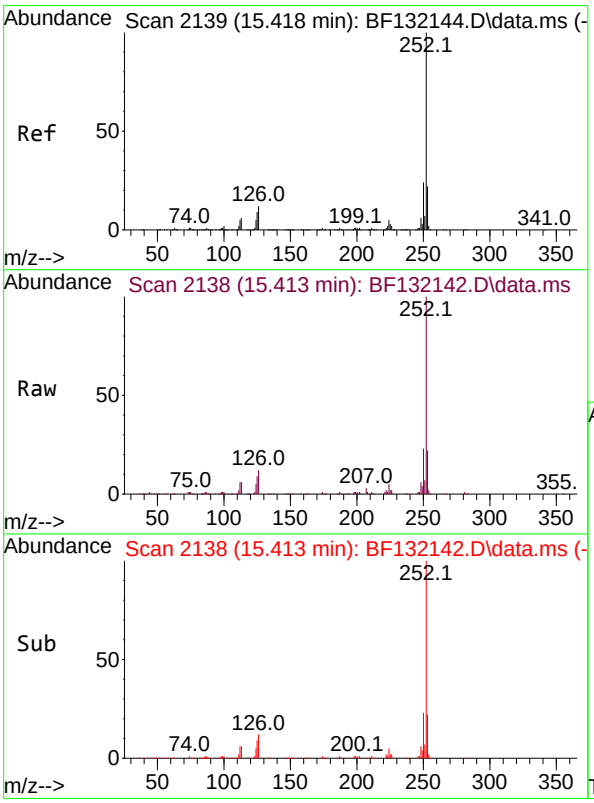
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.246 ng
RT: 17.554 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 203109

Ion	Ratio	Lower	Upper
276	100		
138	23.9	17.9	26.9
277	24.1	20.2	30.2

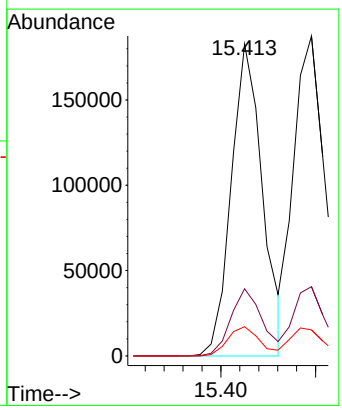


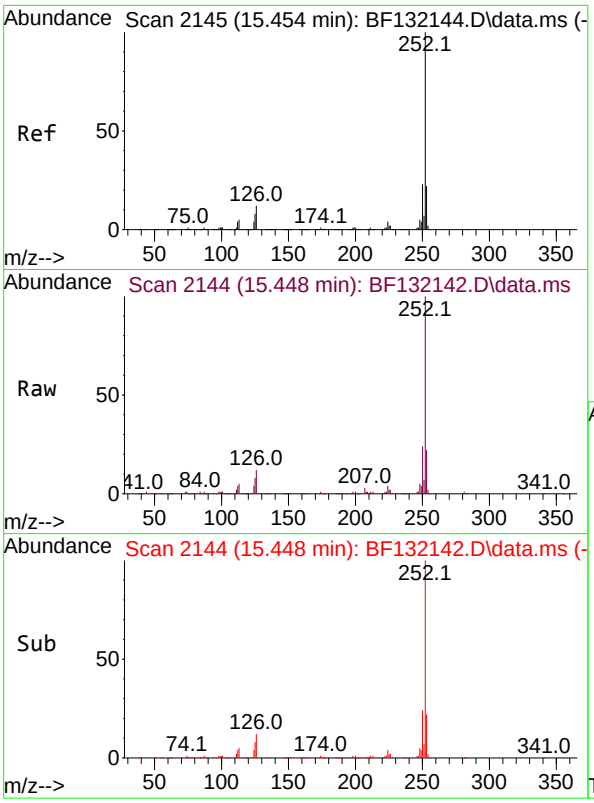


#88
Benzo(b)fluoranthene
Concen: 10.135 ng
RT: 15.413 min Scan# 2138
Delta R.T. -0.005 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:252 Resp: 209435

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.6
125	9.3	7.2	10.8



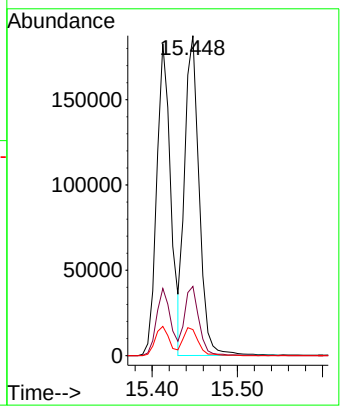


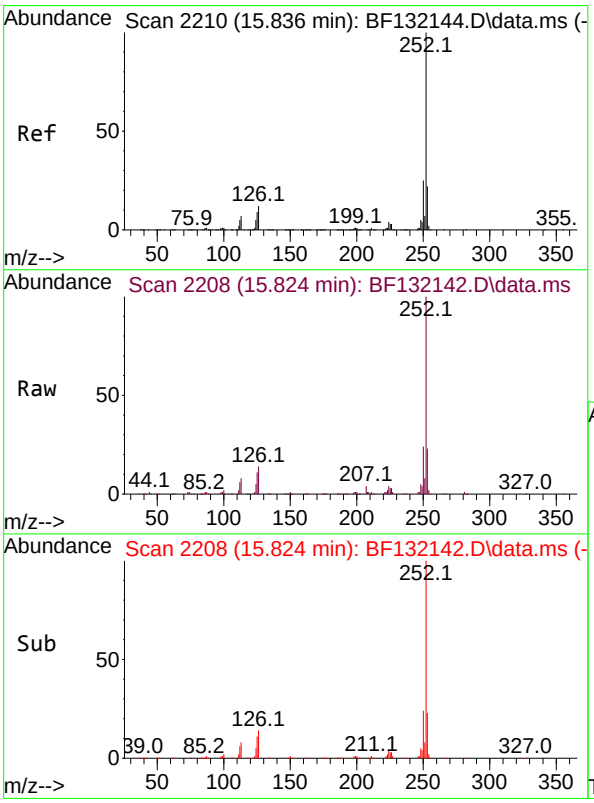
#89
Benzo(k)fluoranthene
Concen: 10.480 ng
RT: 15.448 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 220873

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	8.2	6.4	9.6

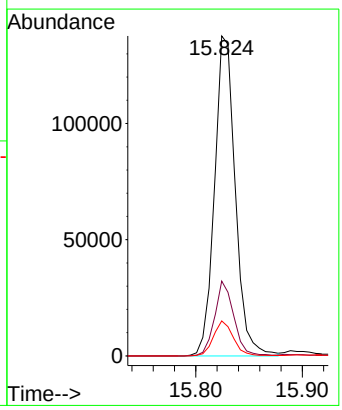


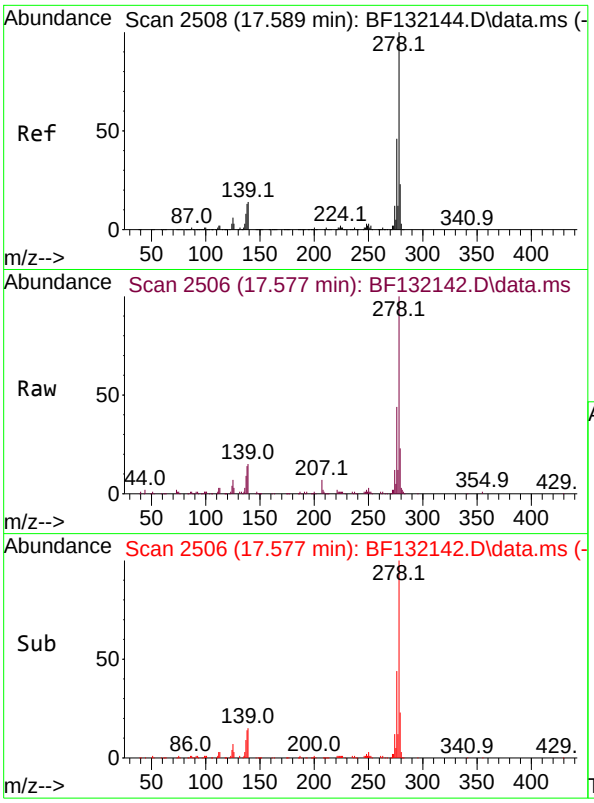


#90
Benzo(a)pyrene
Concen: 9.403 ng
RT: 15.824 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:252 Resp: 186928

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	10.9	7.3	10.9#



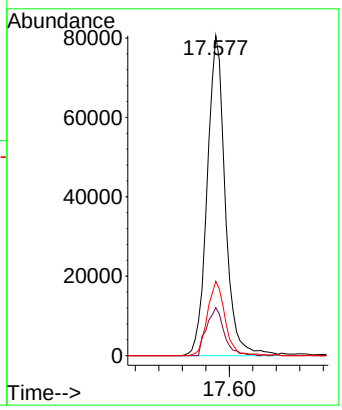


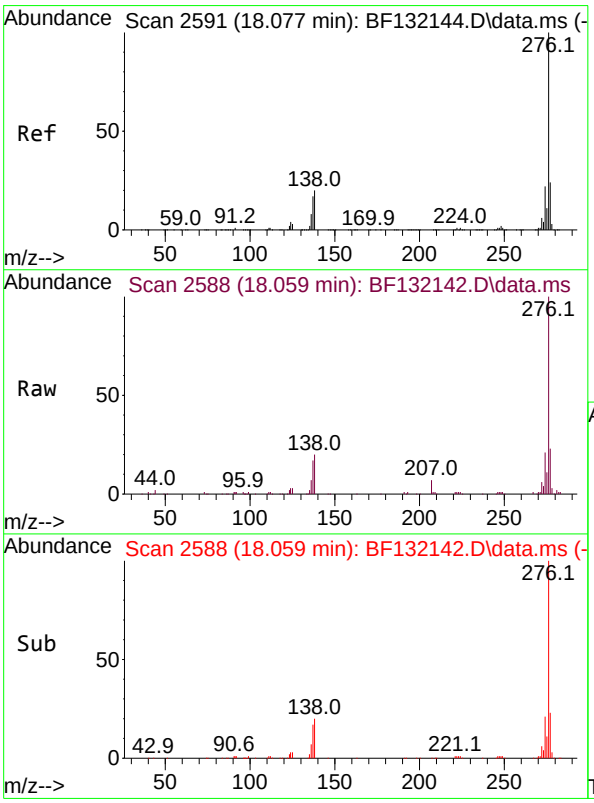
#91
Dibenzo(a,h)anthracene
Concen: 8.527 ng
RT: 17.577 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 171280

Ion	Ratio	Lower	Upper
278	100		
139	15.0	11.4	17.2
279	23.2	18.6	28.0

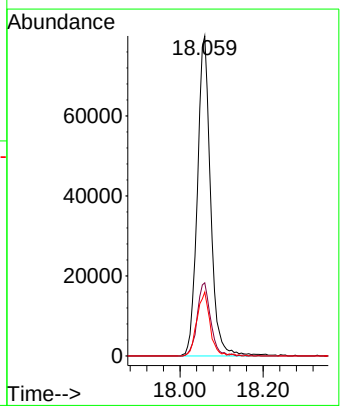




#92
Benzo(g,h,i)perylene
Concen: 8.331 ng
RT: 18.059 min Scan# 2588
Delta R.T. -0.018 min
Lab File: BF132142.D
Acq: 19 Jan 2023 12:26

Tgt Ion:276 Resp: 176091

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.9	28.3
138	19.9	15.7	23.5



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132143.D
Acq On : 19 Jan 2023 12:59
Operator : CG\JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jan 20 00:10:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.089	152	177575	20.000	ng		0.00
21) Naphthalene-d8	8.378	136	620425	20.000	ng		0.00
39) Acenaphthene-d10	10.142	164	328550	20.000	ng		0.00
64) Phenanthrene-d10	11.642	188	639965	20.000	ng		0.00
76) Chrysene-d12	14.301	240	367797	20.000	ng	#	0.00
86) Perylene-d12	15.901	264	323952	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.701	112	427429	42.048	ng		0.00
7) Phenol-d6	6.695	99	538343	42.071	ng		0.00
23) Nitrobenzene-d5	7.648	82	475248	40.692	ng		0.00
42) 2,4,6-Tribromophenol	10.936	330	146122	41.637	ng		0.00
45) 2-Fluorobiphenyl	9.454	172	924221	44.024	ng		0.00
79) Terphenyl-d14	13.230	244	937153	42.682	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.019	88	103973	20.189	ng		99
3) Pyridine	3.778	79	283925	20.537	ng		99
4) n-Nitrosodimethylamine	3.725	42	130228	20.029	ng		100
6) Aniline	6.748	93	362992	20.399	ng		99
8) 2-Chlorophenol	6.872	128	228290	21.365	ng		95
9) Benzaldehyde	6.642	77	181394	22.035	ng		97
10) Phenol	6.707	94	280535	21.059	ng		99
11) bis(2-Chloroethyl)ether	6.813	93	235199	20.856	ng		98
12) 1,3-Dichlorobenzene	7.031	146	249749	20.910	ng		99
13) 1,4-Dichlorobenzene	7.107	146	251976	21.142	ng		98
14) 1,2-Dichlorobenzene	7.260	146	235491	21.369	ng		98
15) Benzyl Alcohol	7.219	79	199836	20.142	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.360	45	343951	20.985	ng		99
17) 2-Methylphenol	7.319	107	195986	20.937	ng		98
18) Hexachloroethane	7.607	117	87861	20.537	ng		96
19) n-Nitroso-di-n-propyla...	7.489	70	163582	20.870	ng		99
20) 3+4-Methylphenols	7.472	107	253207	21.467	ng		93
22) Acetophenone	7.495	105	312922	20.984	ng	#	98
24) Nitrobenzene	7.672	77	254536	20.584	ng		94
25) Isophorone	7.907	82	457753	20.032	ng		97
26) 2-Nitrophenol	7.989	139	79652	18.478	ng		92
27) 2,4-Dimethylphenol	8.007	122	200911	20.319	ng		98
28) bis(2-Chloroethoxy)met...	8.113	93	286250	20.878	ng		99
29) 2,4-Dichlorophenol	8.225	162	193959	20.662	ng		96
30) 1,2,4-Trichlorobenzene	8.313	180	220172	20.649	ng		99
31) Naphthalene	8.401	128	666768	20.926	ng		99
32) Benzoic acid	8.084	122	93861	16.170	ng		93
33) 4-Chloroaniline	8.442	127	284387	20.856	ng		95
34) Hexachlorobutadiene	8.513	225	145075	20.254	ng		100
35) Caprolactam	8.795	113	53142	20.000	ng		97
36) 4-Chloro-3-methylphenol	8.907	107	194651	20.605	ng		100
37) 2-Methylnaphthalene	9.089	142	458759	20.912	ng		98
38) 1-Methylnaphthalene	9.195	142	428243	20.980	ng		100
40) 1,2,4,5-Tetrachloroben...	9.254	216	236280	20.670	ng		99
41) Hexachlorocyclopentadiene	9.242	237	112433	18.024	ng		96
43) 2,4,6-Trichlorophenol	9.360	196	146261	20.616	ng		95

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132143.D
Acq On : 19 Jan 2023 12:59
Operator : CG\JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jan 20 00:10:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

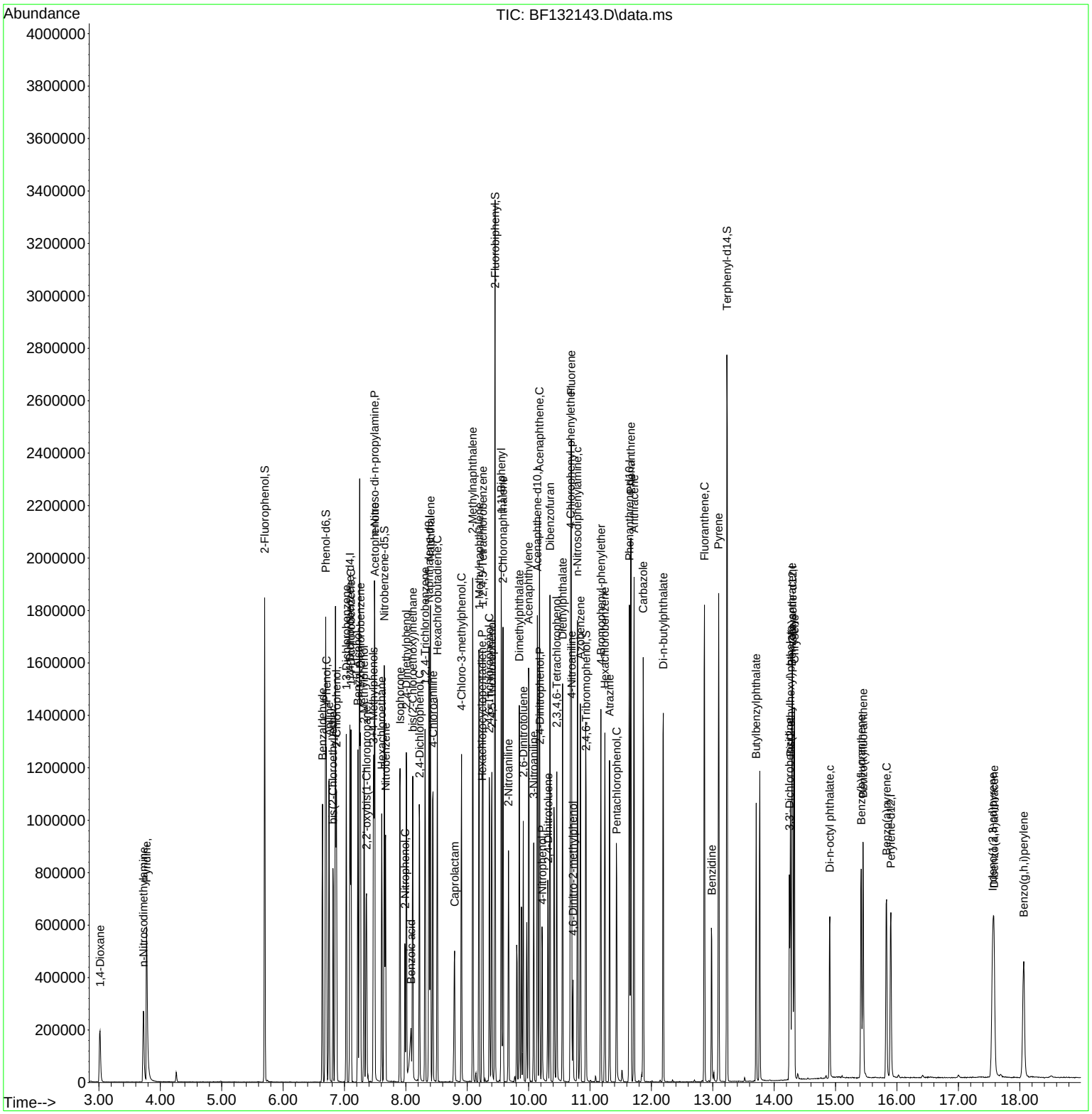
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.401	196	170434	20.541	ng		97
46) 1,1'-Biphenyl	9.554	154	544416	21.003	ng		99
47) 2-Chloronaphthalene	9.583	162	417187	20.821	ng		99
48) 2-Nitroaniline	9.672	65	116311	20.161	ng		97
49) Acenaphthylene	10.001	152	667961	20.838	ng		99
50) Dimethylphthalate	9.848	163	499198	20.979	ng		100
51) 2,6-Dinitrotoluene	9.913	165	93819	20.342	ng		89
52) Acenaphthene	10.177	154	398701	20.679	ng		99
53) 3-Nitroaniline	10.083	138	104344	21.160	ng		99
54) 2,4-Dinitrophenol	10.183	184	31754	17.046	ng	#	1
55) Dibenzofuran	10.348	168	618748	20.766	ng		99
56) 4-Nitrophenol	10.225	139	72500	20.202	ng		95
57) 2,4-Dinitrotoluene	10.319	165	111577	20.154	ng	#	85
58) Fluorene	10.695	166	465243	21.073	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.460	232	131354	20.811	ng		99
60) Diethylphthalate	10.554	149	487809	20.905	ng		100
61) 4-Chlorophenyl-phenyle...	10.683	204	246432	20.845	ng		98
62) 4-Nitroaniline	10.701	138	96209	20.957	ng		92
63) Azobenzene	10.842	77	492240	21.019	ng		97
65) 4,6-Dinitro-2-methylph...	10.725	198	45820	16.514	ng		96
66) n-Nitrosodiphenylamine	10.795	169	419303	20.458	ng		99
67) 4-Bromophenyl-phenylether	11.177	248	158088	20.266	ng		95
68) Hexachlorobenzene	11.242	284	155701	20.084	ng		95
69) Atrazine	11.319	200	130188	20.588	ng		99
70) Pentachlorophenol	11.436	266	99527	19.978	ng		96
71) Phenanthrene	11.666	178	693158	20.639	ng		99
72) Anthracene	11.719	178	706624	20.798	ng		99
73) Carbazole	11.866	167	609049	20.986	ng		98
74) Di-n-butylphthalate	12.195	149	685370	21.214	ng		99
75) Fluoranthene	12.866	202	718725	20.834	ng		98
77) Benzidine	12.983	184	226247	20.488	ng		99
78) Pyrene	13.095	202	721378	21.282	ng		99
80) Butylbenzylphthalate	13.707	149	196673	20.022	ng		94
81) Benzo(a)anthracene	14.289	228	531948	20.245	ng		98
82) 3,3'-Dichlorobenzidine	14.248	252	148391	20.279	ng		95
83) Chrysene	14.330	228	496952	19.870	ng		100
84) Bis(2-ethylhexyl)phtha...	14.265	149	254101	19.590	ng		99
85) Di-n-octyl phthalate	14.907	149	300157	15.074	ng		99
87) Indeno(1,2,3-cd)pyrene	17.559	276	473348	20.135	ng		99
88) Benzo(b)fluoranthene	15.418	252	382655	19.400	ng		99
89) Benzo(k)fluoranthene	15.448	252	422247	20.990	ng		99
90) Benzo(a)pyrene	15.830	252	374919	19.760	ng		99
91) Dibenzo(a,h)anthracene	17.583	278	393739	20.537	ng		100
92) Benzo(g,h,i)perylene	18.065	276	410458	20.346	ng		98

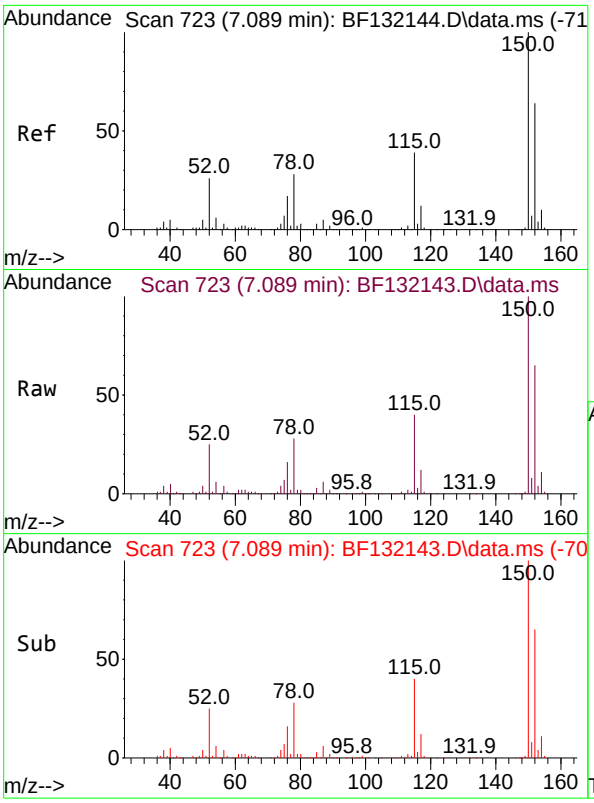
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132143.D
Acq On : 19 Jan 2023 12:59
Operator : CG\JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jan 20 00:10:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration



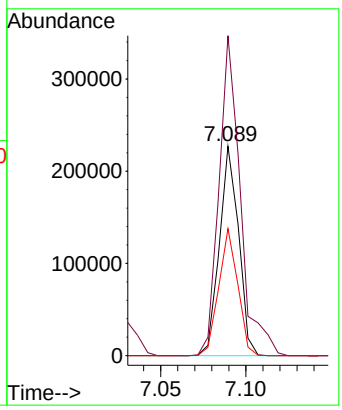


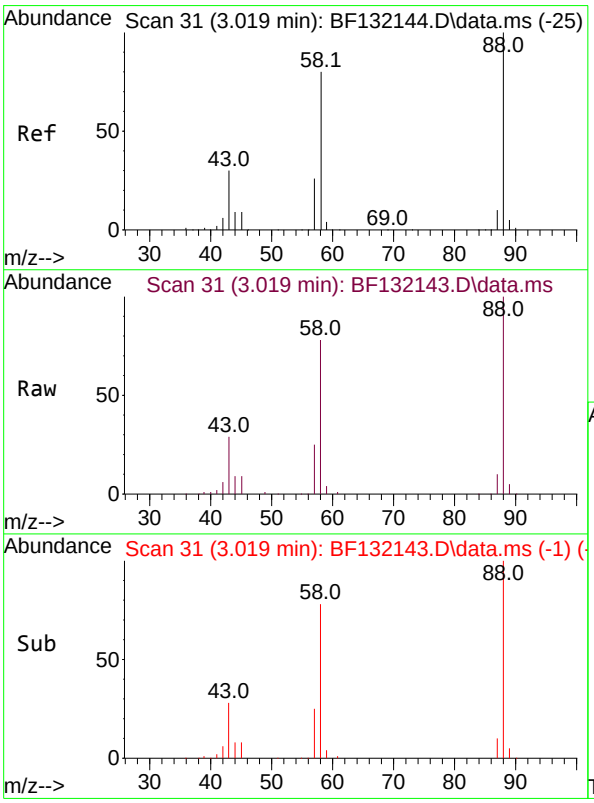
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.089 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 177575

Ion	Ratio	Lower	Upper
152	100		
150	152.9	125.8	188.8
115	60.7	49.2	73.8

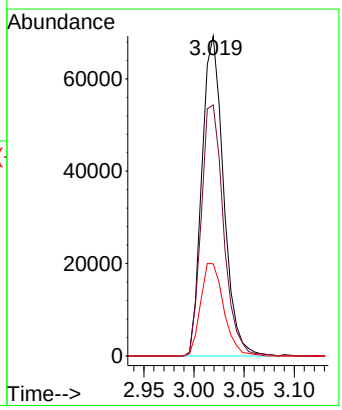


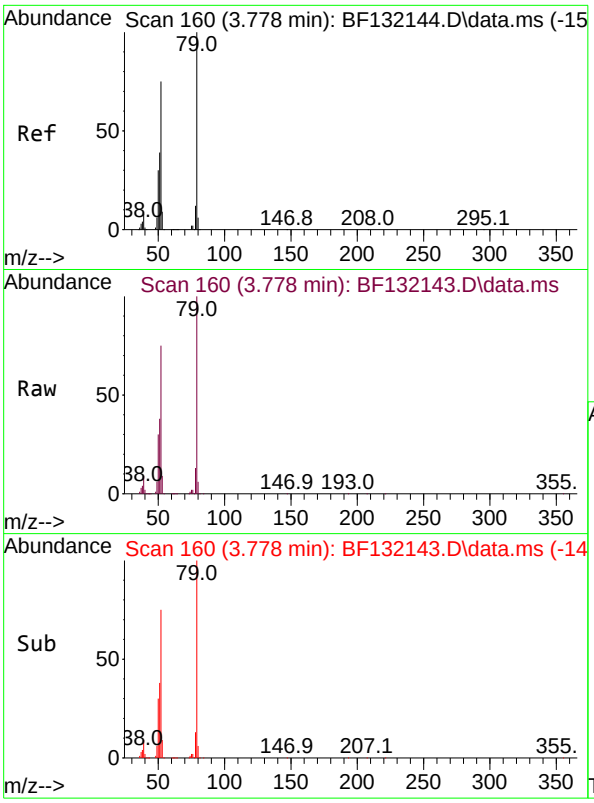


#2
1,4-Dioxane
Concen: 20.189 ng
RT: 3.019 min Scan# 31
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion: 88 Resp: 103973

Ion	Ratio	Lower	Upper
88	100		
58	80.6	64.0	96.0
43	30.8	24.2	36.4



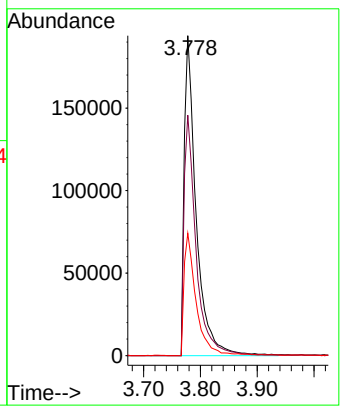


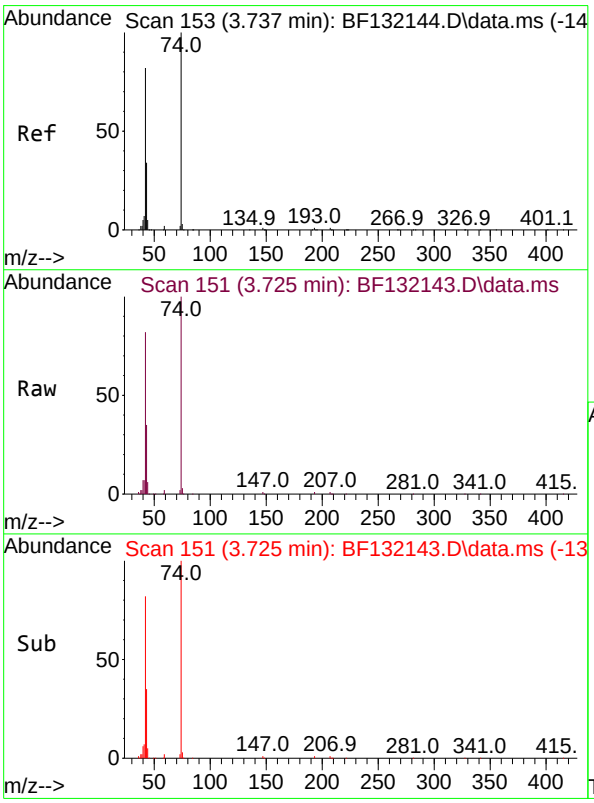
#3
Pyridine
Concen: 20.537 ng
RT: 3.778 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 283925

Ion	Ratio	Lower	Upper
79	100		
52	75.1	60.1	90.1
51	38.2	31.4	47.0

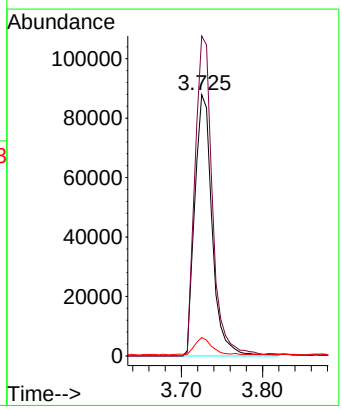


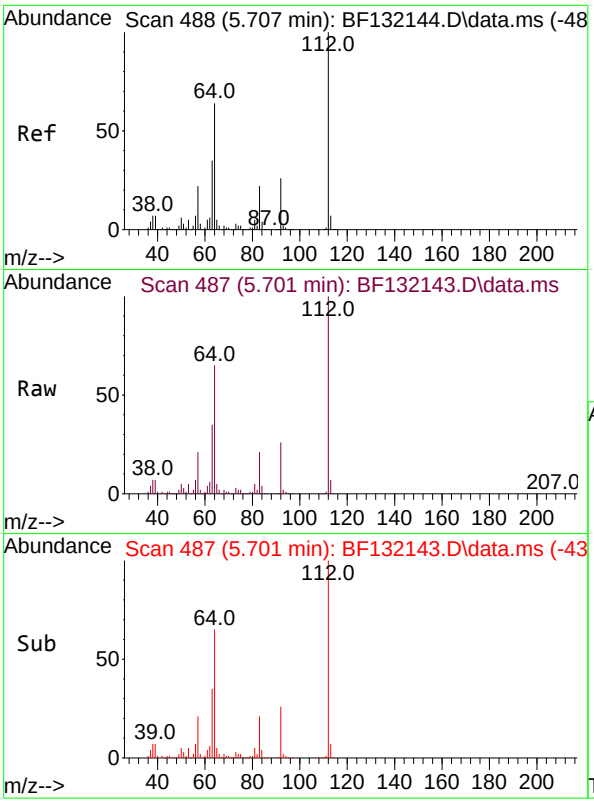


#4
n-Nitrosodimethylamine
Concen: 20.029 ng
RT: 3.725 min Scan# 151
Delta R.T. -0.012 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion: 42 Resp: 130228

Ion	Ratio	Lower	Upper
42	100		
74	122.5	98.1	147.1
44	7.0	5.2	7.8



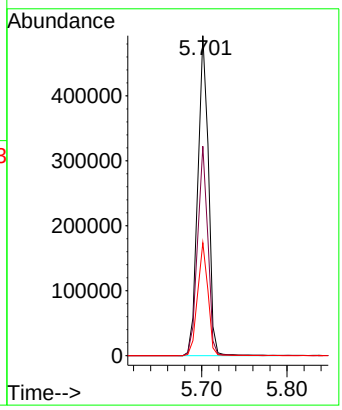


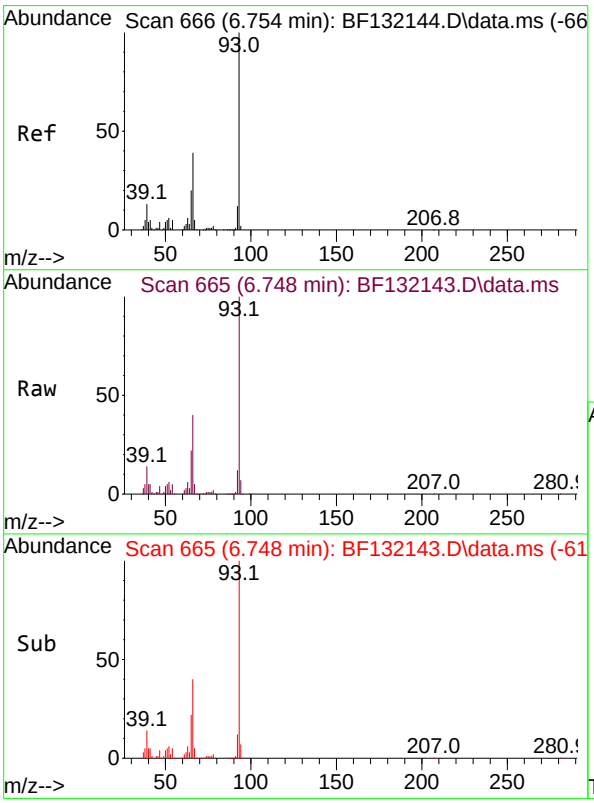
#5
2-Fluorophenol
Concen: 42.048 ng
RT: 5.701 min Scan# 48
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 427429

Ion	Ratio	Lower	Upper
112	100		
64	65.4	51.4	77.0
63	35.3	28.2	42.2

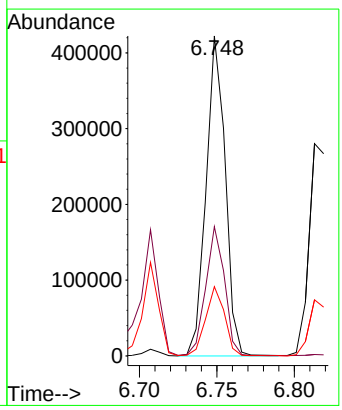


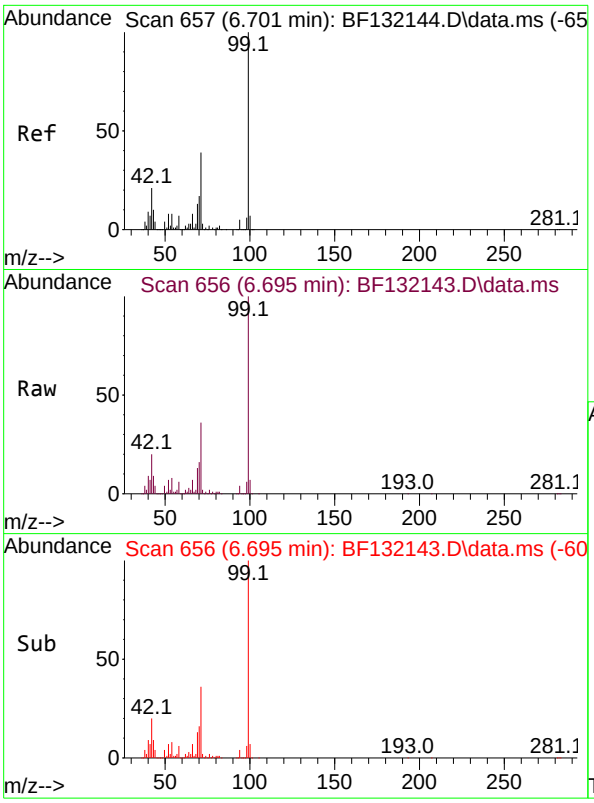


#6
Aniline
Concen: 20.399 ng
RT: 6.748 min Scan# 665
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion: 93 Resp: 362992

Ion	Ratio	Lower	Upper
93	100		
66	40.4	33.0	49.6
65	21.6	16.8	25.2



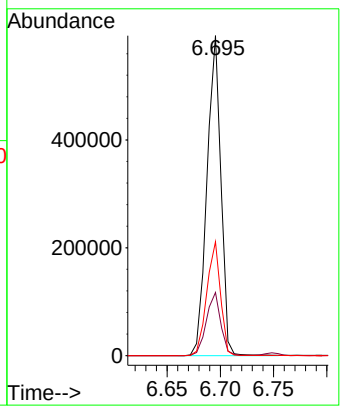


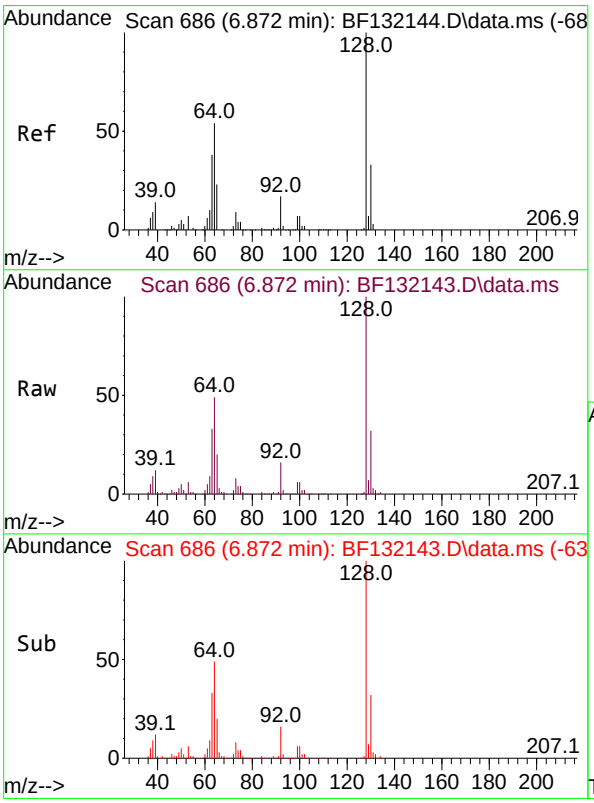
#7
Phenol-d6
Concen: 42.071 ng
RT: 6.695 min Scan# 6
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 538343

Ion	Ratio	Lower	Upper
99	100		
42	19.7	16.6	24.8
71	35.6	30.8	46.2

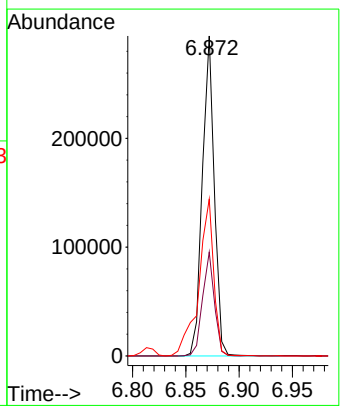


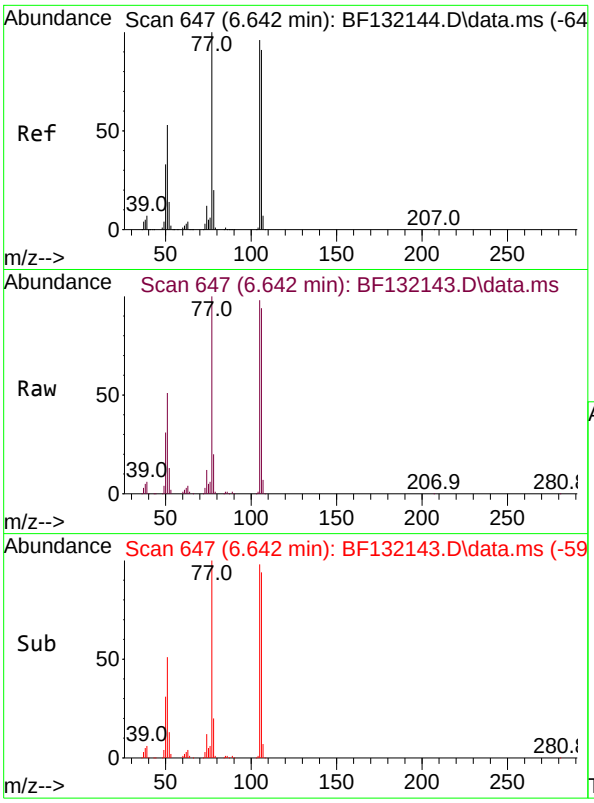


#8
2-Chlorophenol
Concen: 21.365 ng
RT: 6.872 min Scan# 686
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:128 Resp: 228290

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.8	52.8
64	49.0	34.8	74.8



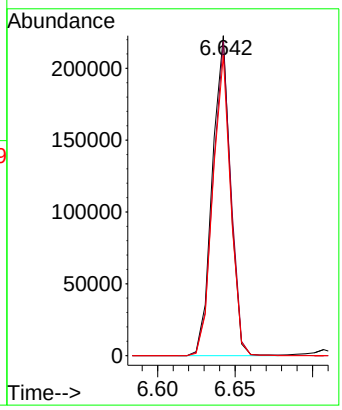


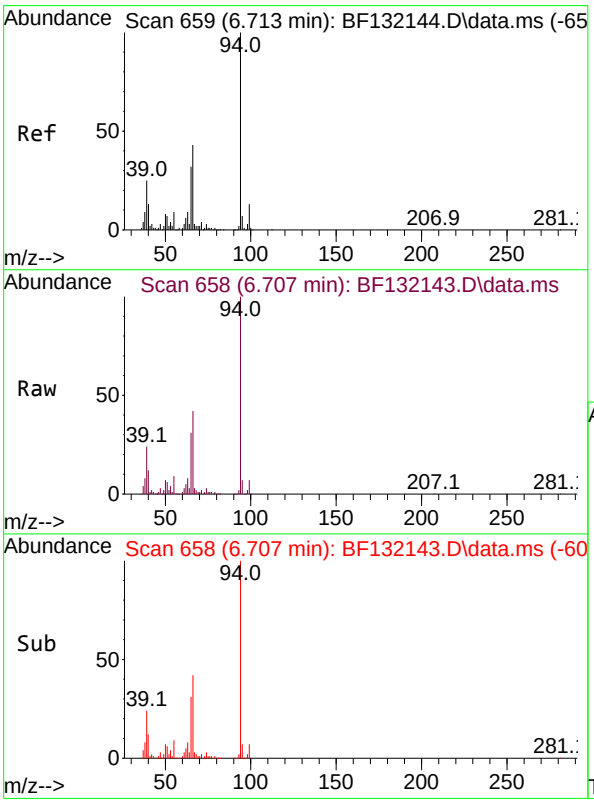
#9
Benzaldehyde
Concen: 22.035 ng
RT: 6.642 min Scan# 64
Delta R.T. 0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 181394

Ion	Ratio	Lower	Upper
77	100		
105	98.2	75.5	115.5
106	93.8	70.7	110.7

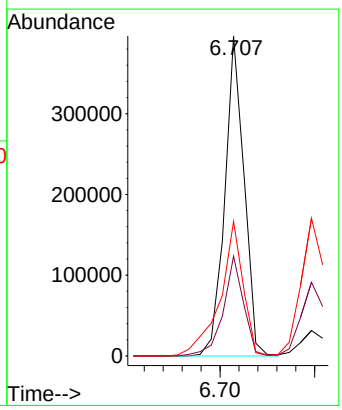


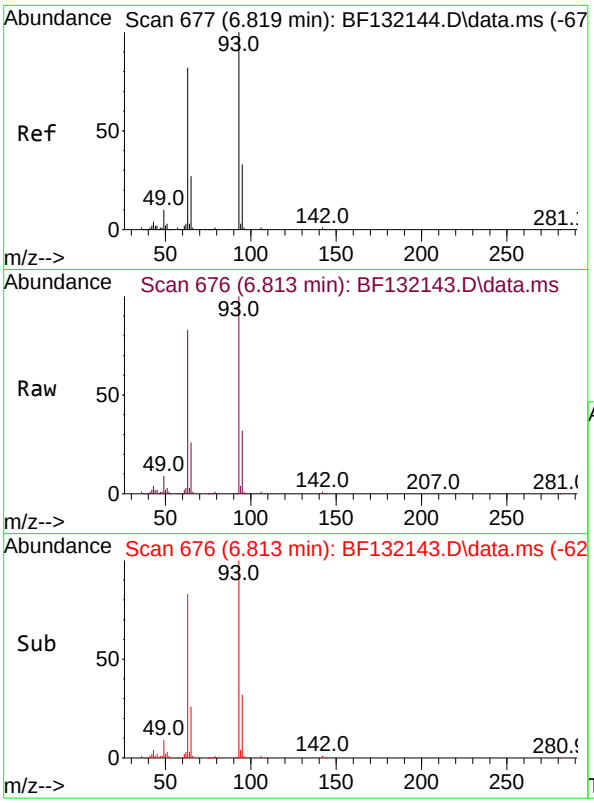


#10
Phenol
Concen: 21.059 ng
RT: 6.707 min Scan# 658
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion: 94 Resp: 280535

Ion	Ratio	Lower	Upper
94	100		
65	31.1	12.0	52.0
66	42.0	22.7	62.7



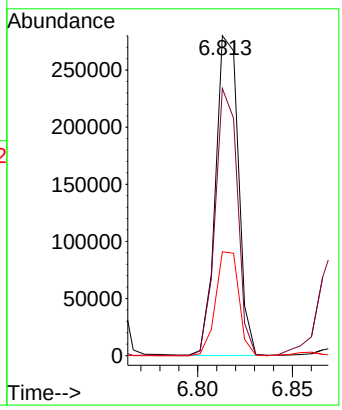


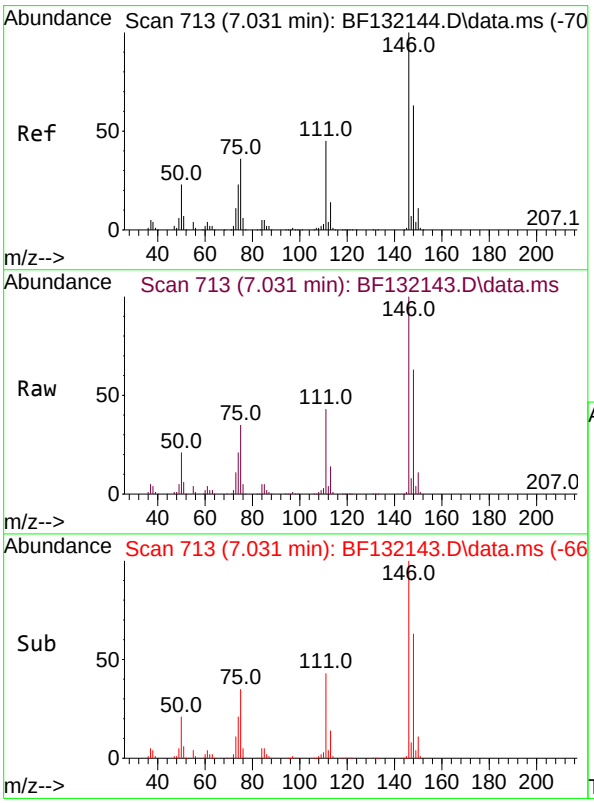
#11
bis(2-Chloroethyl)ether
Concen: 20.856 ng
RT: 6.813 min Scan# 6
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 235199

Ion	Ratio	Lower	Upper
93	100		
63	83.5	61.6	101.6
95	32.4	12.7	52.7

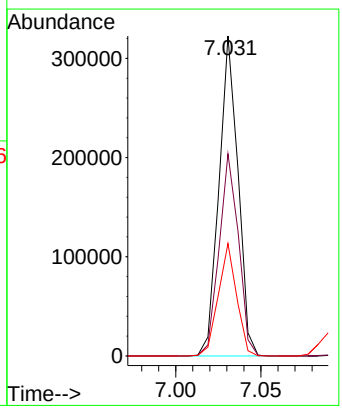


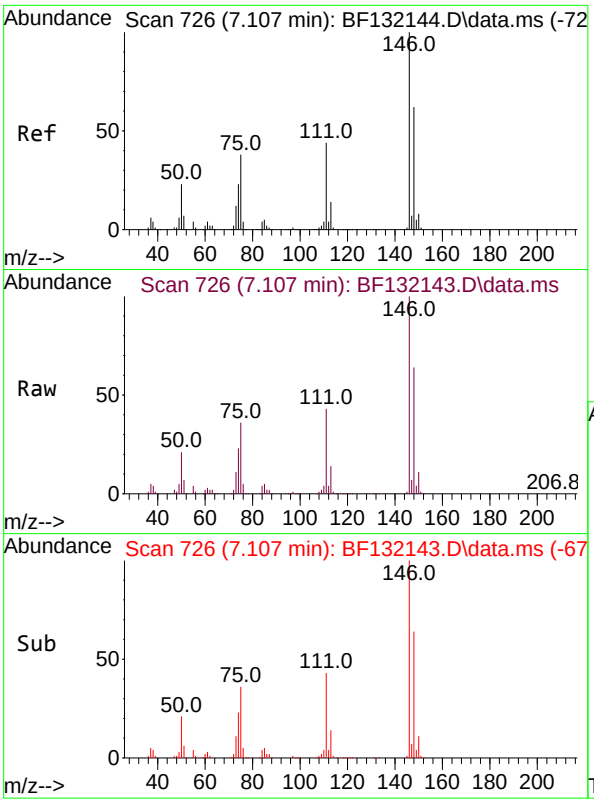


#12
1,3-Dichlorobenzene
Concen: 20.910 ng
RT: 7.031 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:146 Resp: 249749

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.0	75.0
75	35.1	28.8	43.2



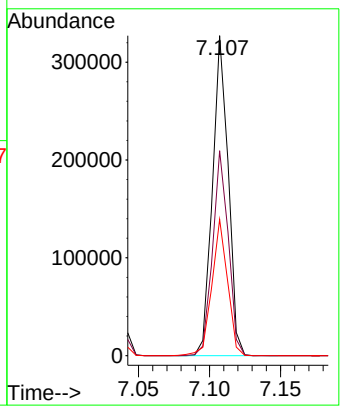


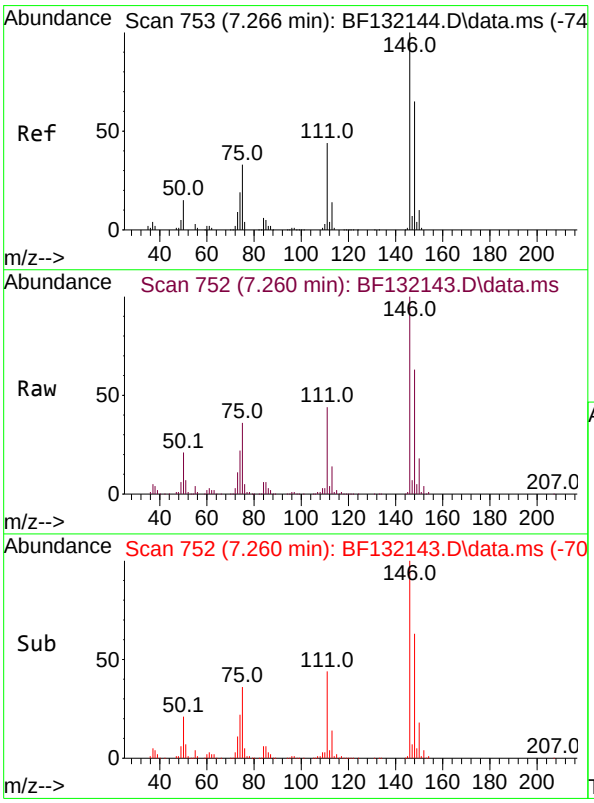
#13
1,4-Dichlorobenzene
Concen: 21.142 ng
RT: 7.107 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 251976

Ion	Ratio	Lower	Upper
146	100		
148	64.0	49.9	74.9
111	42.6	35.2	52.8

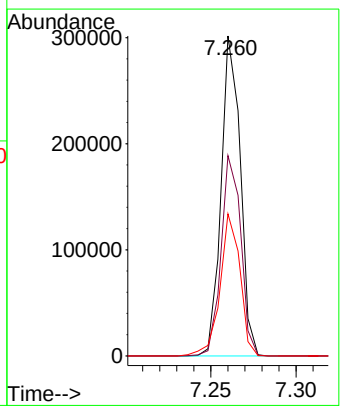


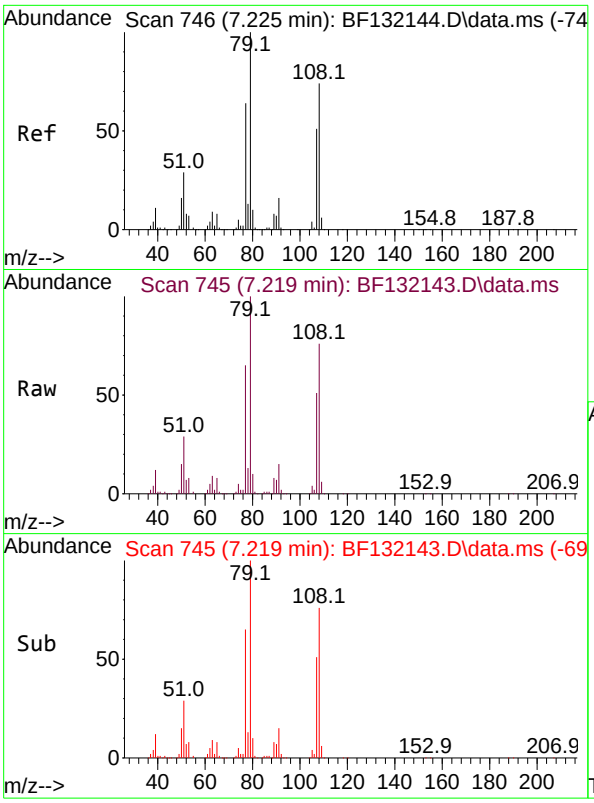


#14
1,2-Dichlorobenzene
Concen: 21.369 ng
RT: 7.260 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:146 Resp: 235491

Ion	Ratio	Lower	Upper
146	100		
148	62.6	52.0	78.0
111	44.4	35.4	53.2



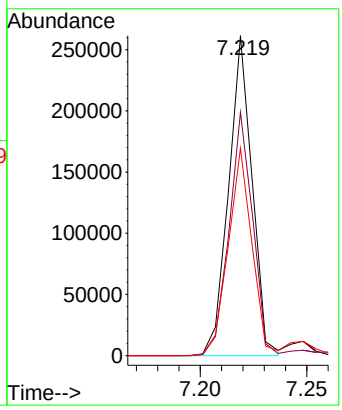


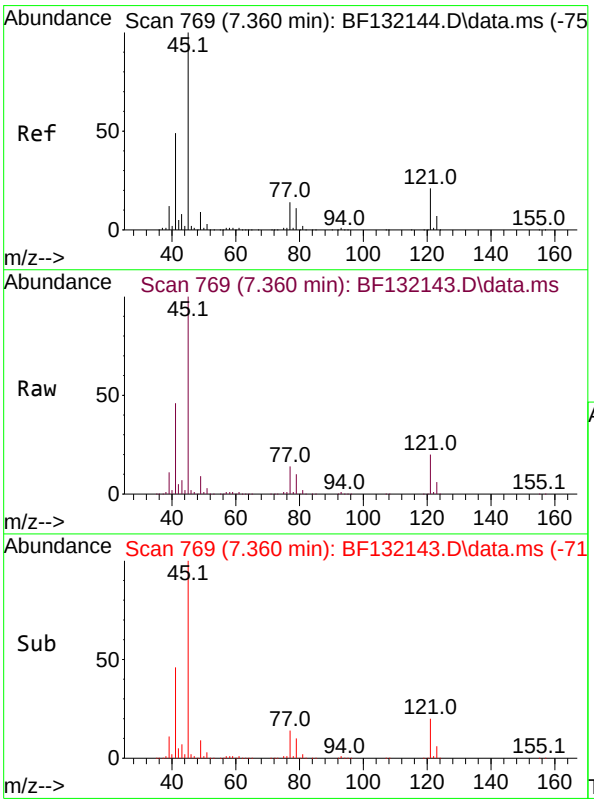
#15
Benzyl Alcohol
Concen: 20.142 ng
RT: 7.219 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 199836

Ion	Ratio	Lower	Upper
79	100		
108	76.1	58.9	88.3
77	64.8	51.1	76.7

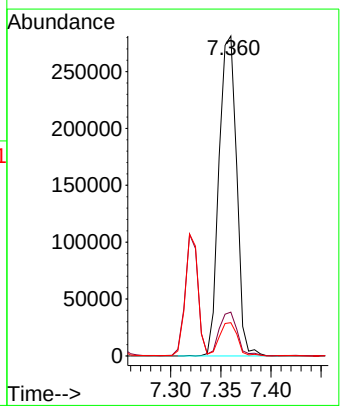


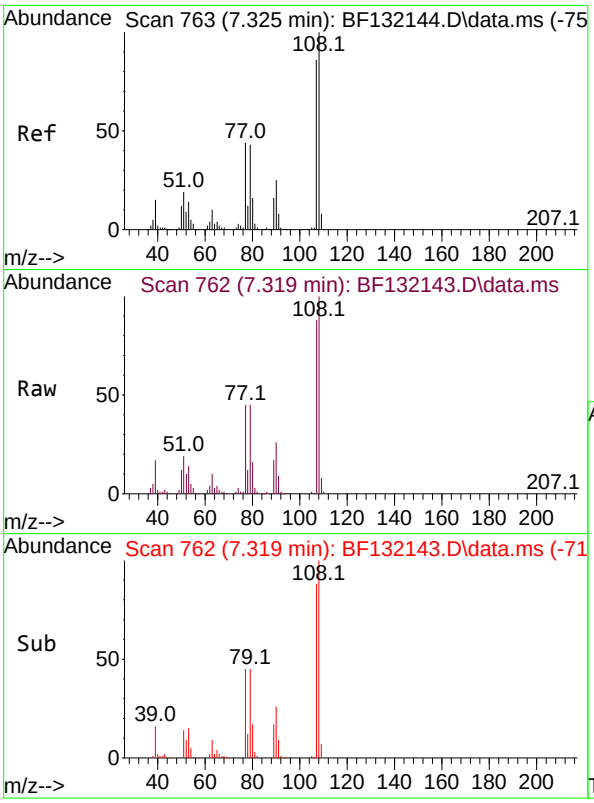


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.985 ng
RT: 7.360 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion: 45 Resp: 343951

Ion	Ratio	Lower	Upper
45	100		
77	13.7	0.0	34.3
79	10.4	0.0	30.9



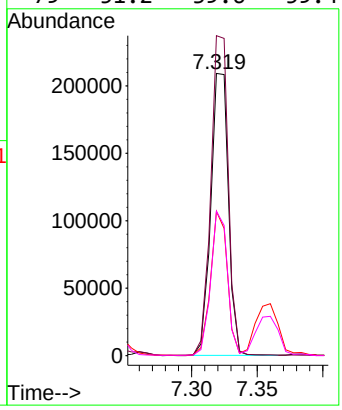


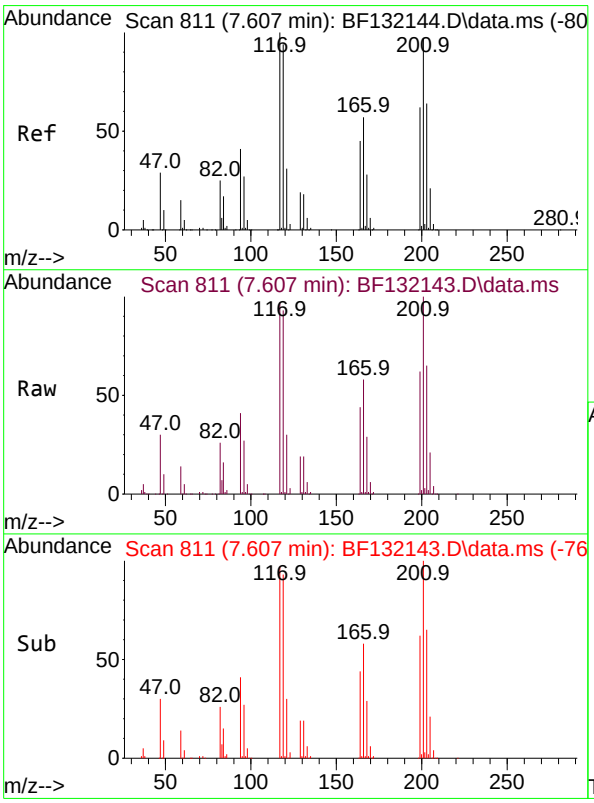
#17
2-Methylphenol
Concen: 20.937 ng
RT: 7.319 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 195986

Ion	Ratio	Lower	Upper
107	100		
108	113.4	92.8	139.2
77	51.1	41.1	61.7
79	51.2	39.6	59.4

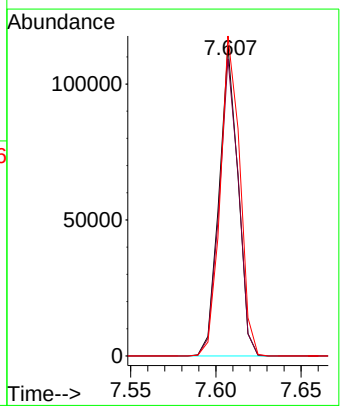


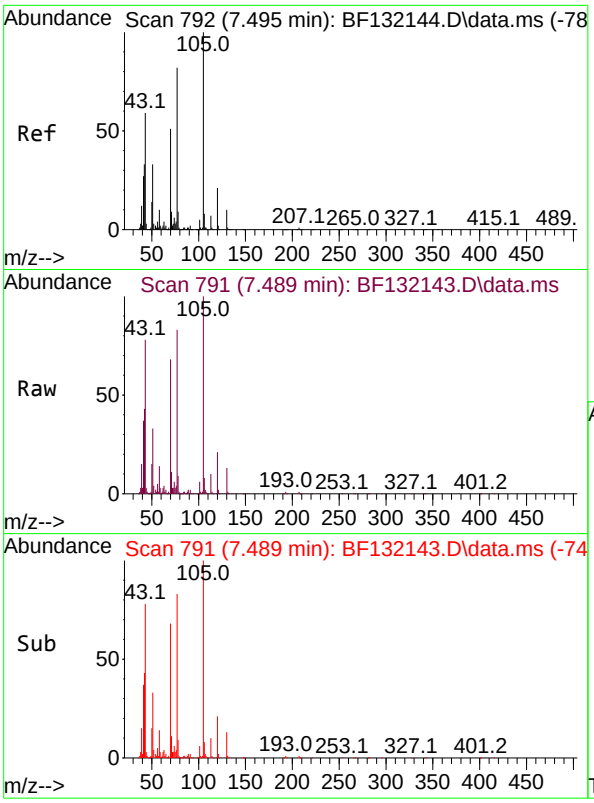


#18
Hexachloroethane
Concen: 20.537 ng
RT: 7.607 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:117 Resp: 87861

Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.4	113.0
201	103.2	77.9	116.9



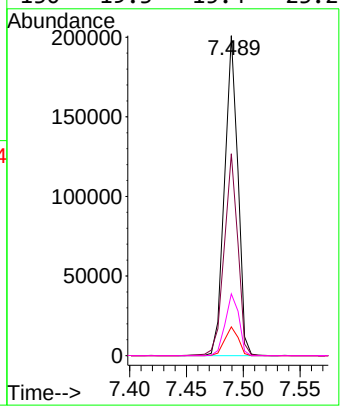


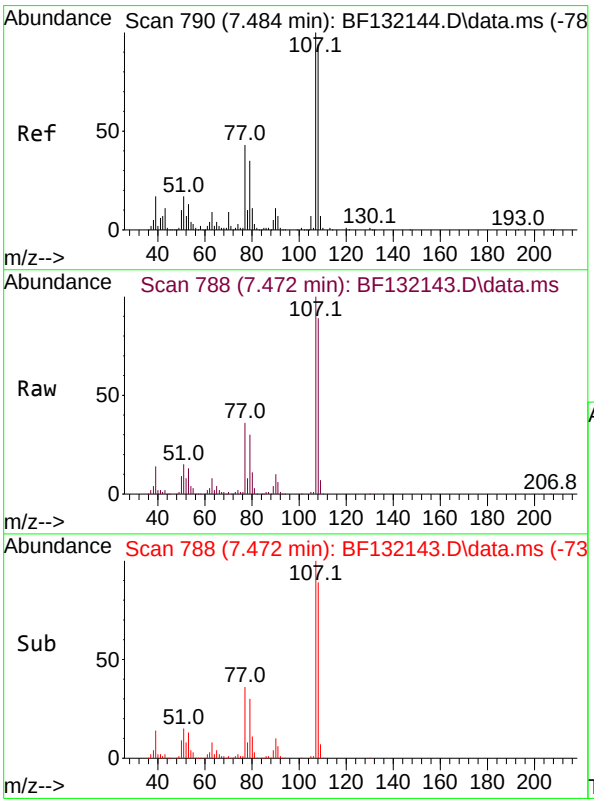
#19
n-Nitroso-di-n-propylamine
Concen: 20.870 ng
RT: 7.489 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 163582

Ion	Ratio	Lower	Upper
70	100		
42	63.1	51.0	76.4
101	9.0	7.3	10.9
130	19.3	15.4	23.2

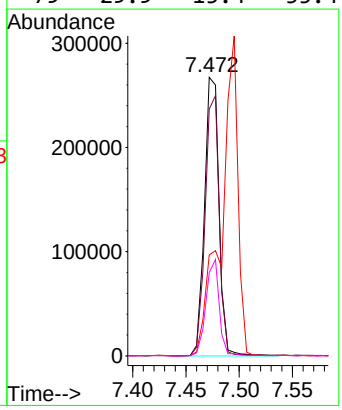


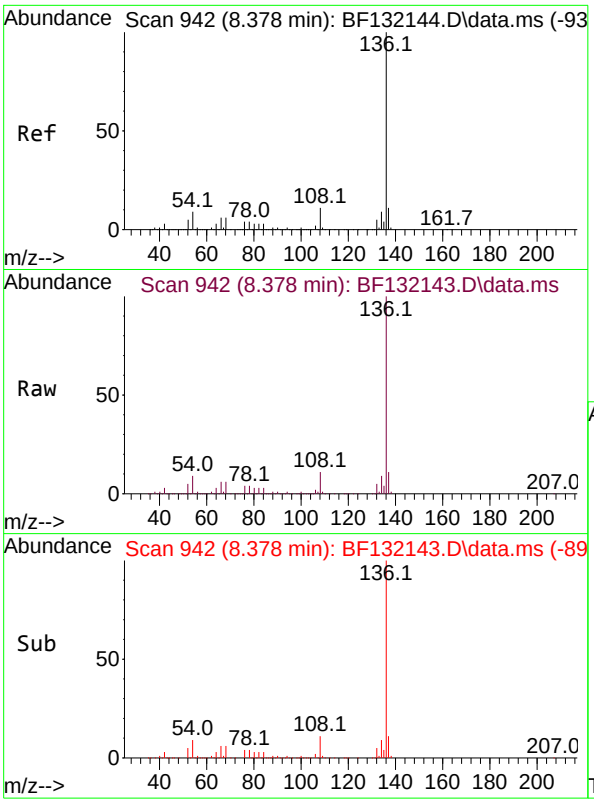


#20
3+4-Methylphenols
Concen: 21.467 ng
RT: 7.472 min Scan# 788
Delta R.T. -0.012 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:107 Resp: 253207

Ion	Ratio	Lower	Upper
107	100		
108	88.6	73.8	113.8
77	36.2	22.8	62.8
79	29.9	15.4	55.4



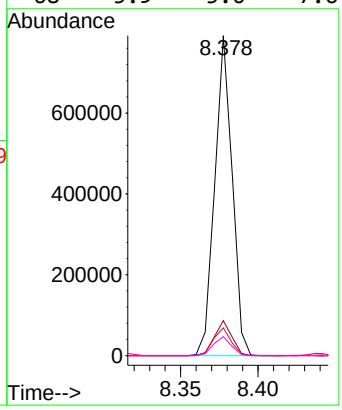


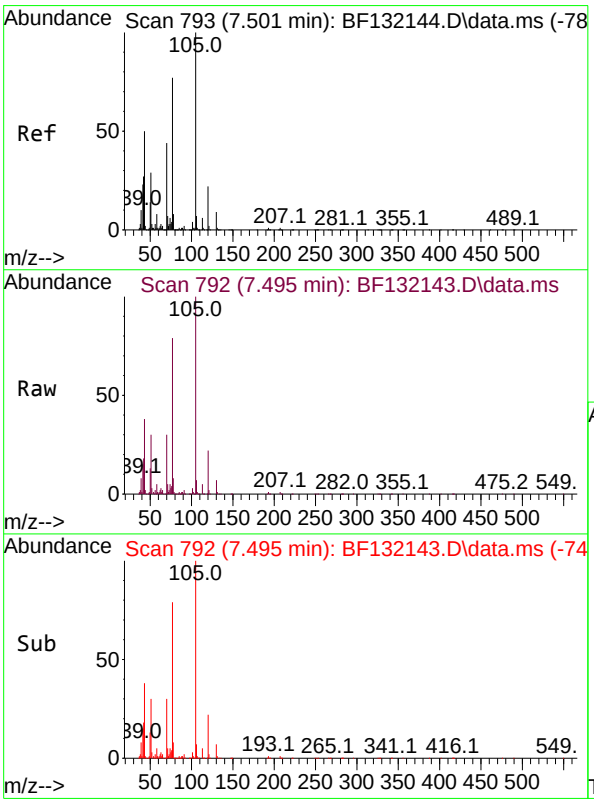
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.378 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 620425

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.7	7.0	10.6
68	5.9	5.0	7.6

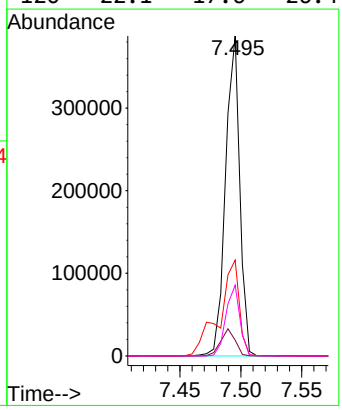


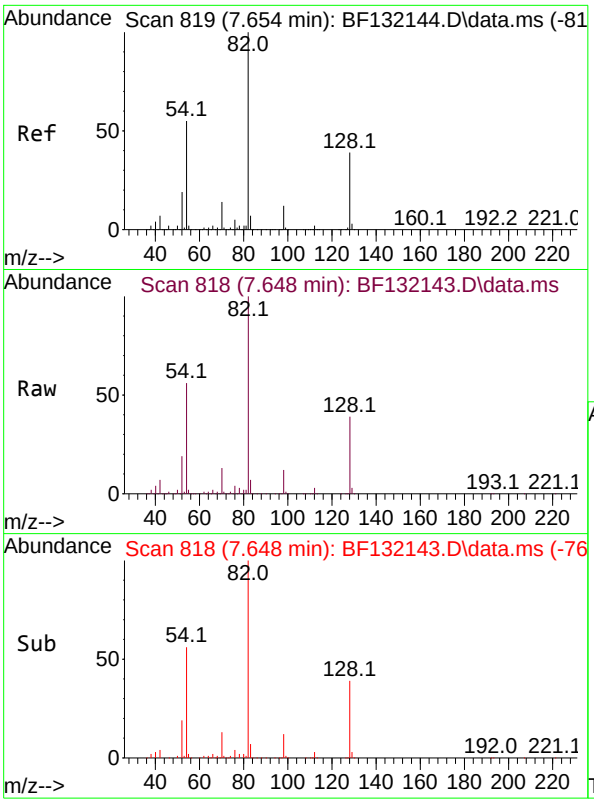


#22
Acetophenone
Concen: 20.984 ng
RT: 7.495 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:105 Resp: 312922

Ion	Ratio	Lower	Upper
105	100		
71	4.9	5.8	8.6#
51	29.9	23.0	34.6
120	22.1	17.6	26.4



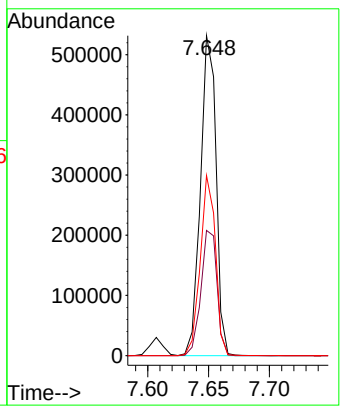


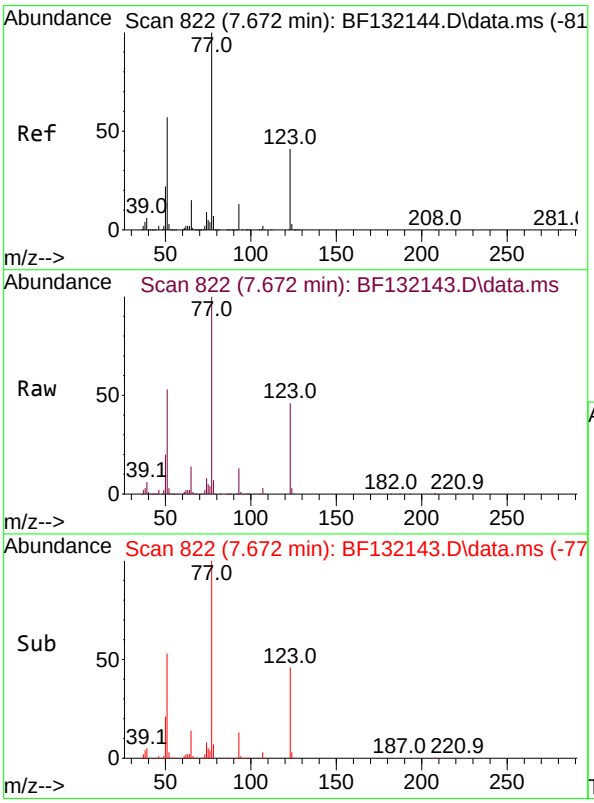
#23
Nitrobenzene-d5
Concen: 40.692 ng
RT: 7.648 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 475248

Ion	Ratio	Lower	Upper
82	100		
128	39.1	31.1	46.7
54	56.3	43.9	65.9

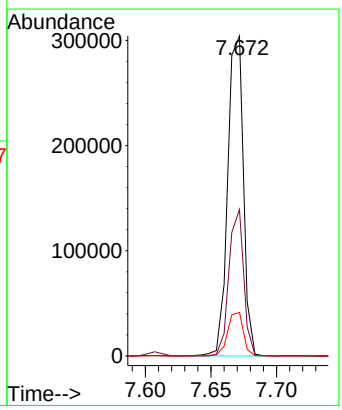


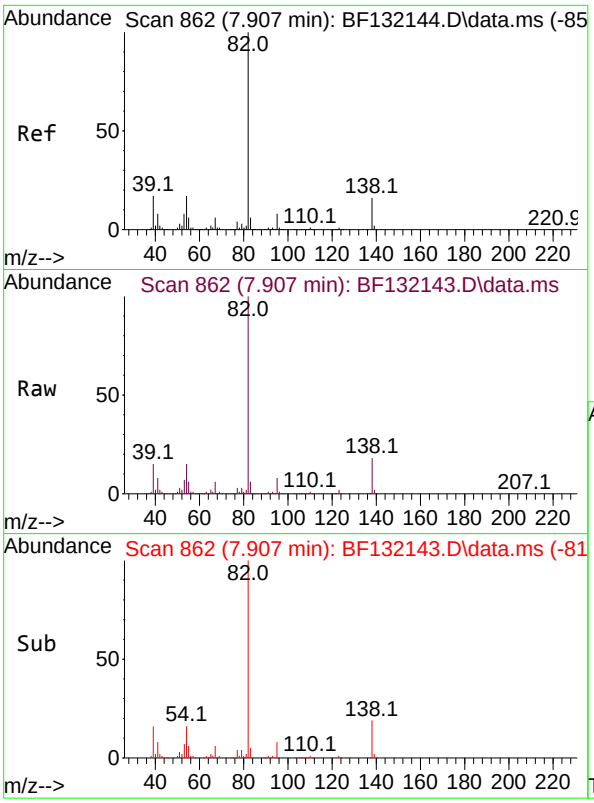


#24
Nitrobenzene
Concen: 20.584 ng
RT: 7.672 min Scan# 822
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion: 77 Resp: 254536

Ion	Ratio	Lower	Upper
77	100		
123	45.7	33.1	49.7
65	13.6	11.7	17.5



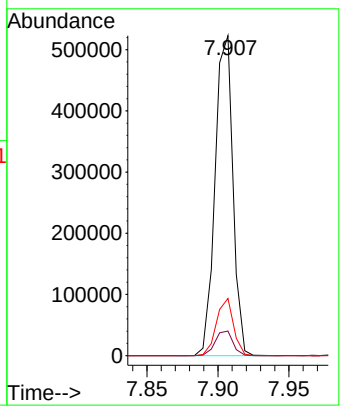


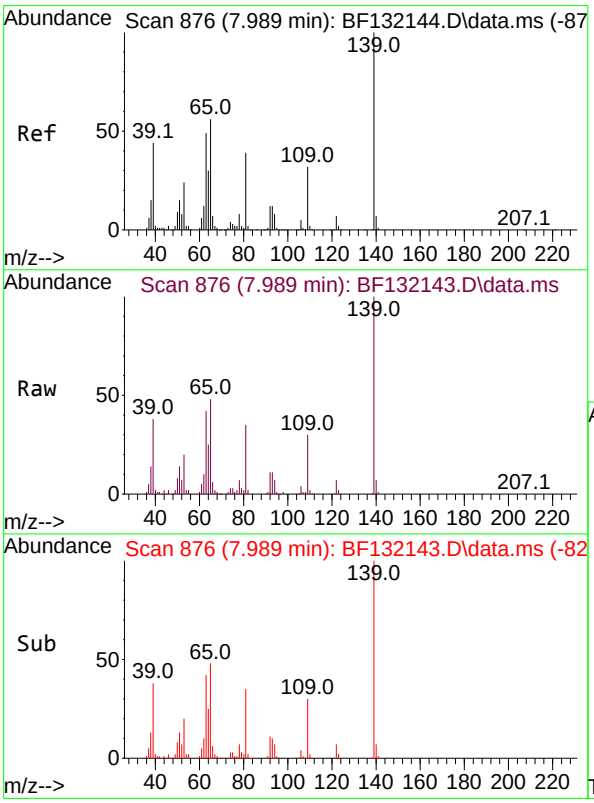
#25
Isophorone
Concen: 20.032 ng
RT: 7.907 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 457753

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.2	9.2
138	17.9	12.9	19.3

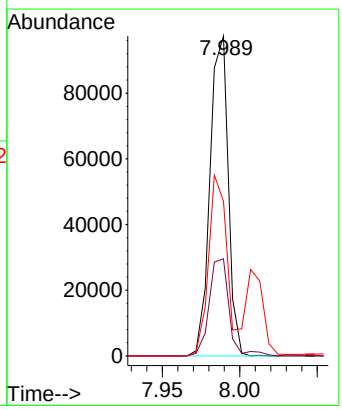


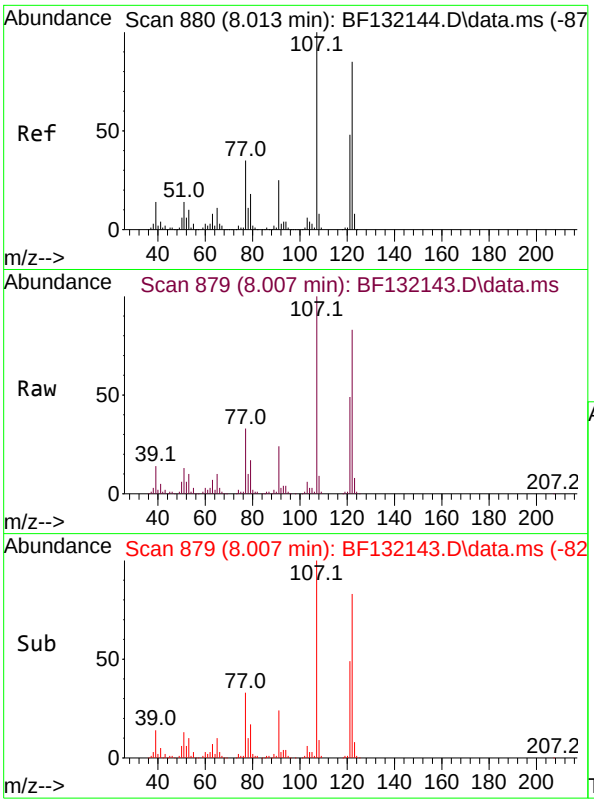


#26
2-Nitrophenol
Concen: 18.478 ng
RT: 7.989 min Scan# 876
Delta R.T. 0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:139 Resp: 79652

Ion	Ratio	Lower	Upper
139	100		
109	30.3	25.8	38.8
65	48.3	44.6	66.8



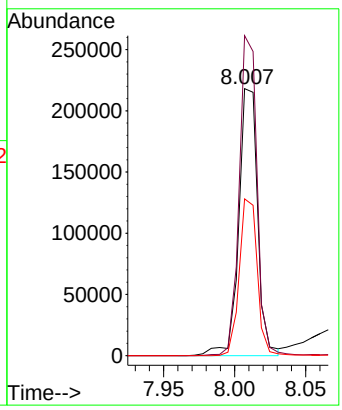


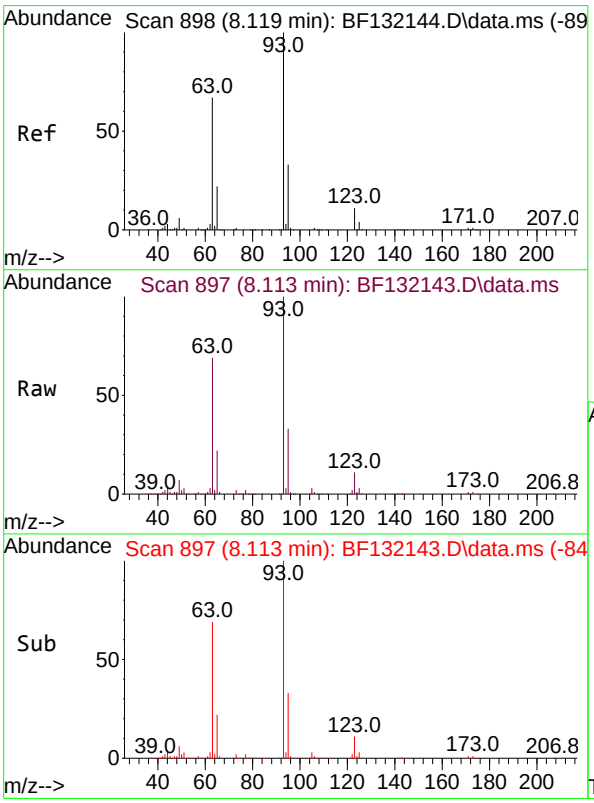
#27
2,4-Dimethylphenol
Concen: 20.319 ng
RT: 8.007 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 200911

Ion	Ratio	Lower	Upper
122	100		
107	119.9	94.2	141.4
121	58.7	45.6	68.4

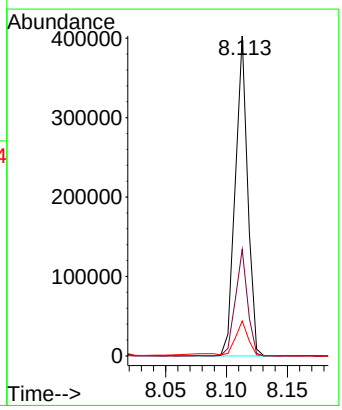


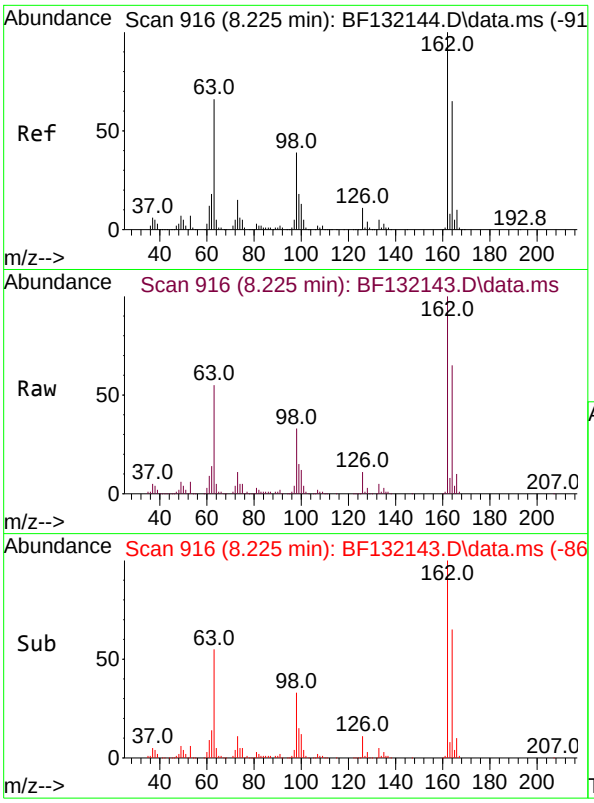


#28
bis(2-Chloroethoxy)methane
Concen: 20.878 ng
RT: 8.113 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion: 93 Resp: 286250

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.2	39.2
123	10.9	9.1	13.7



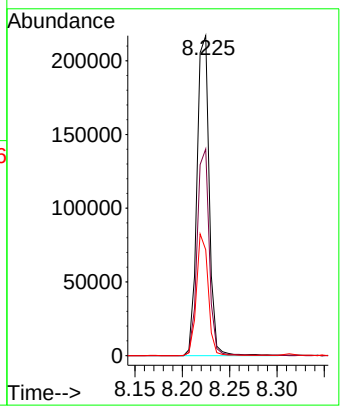


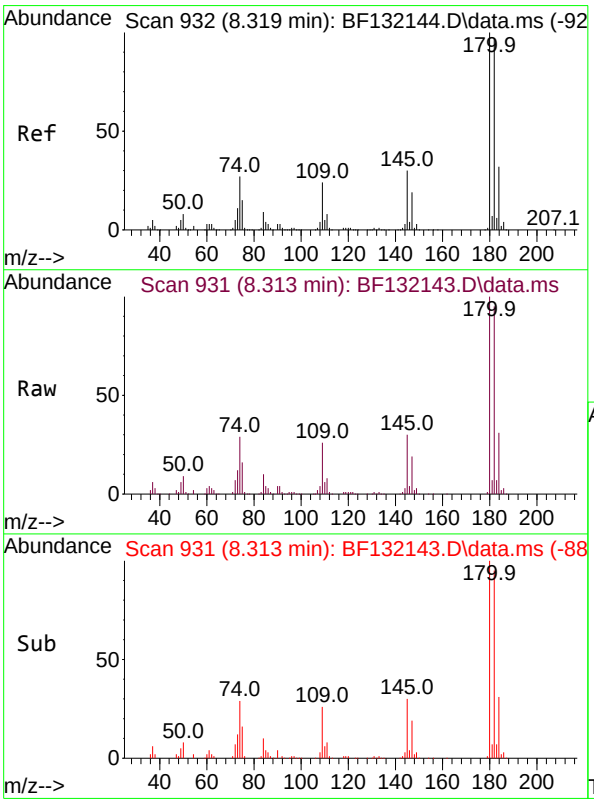
#29
2,4-Dichlorophenol
Concen: 20.662 ng
RT: 8.225 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 193959

Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.7	84.7
98	33.1	18.8	58.8

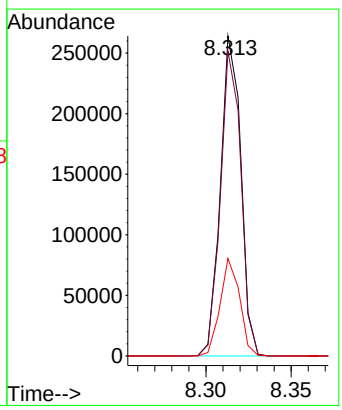


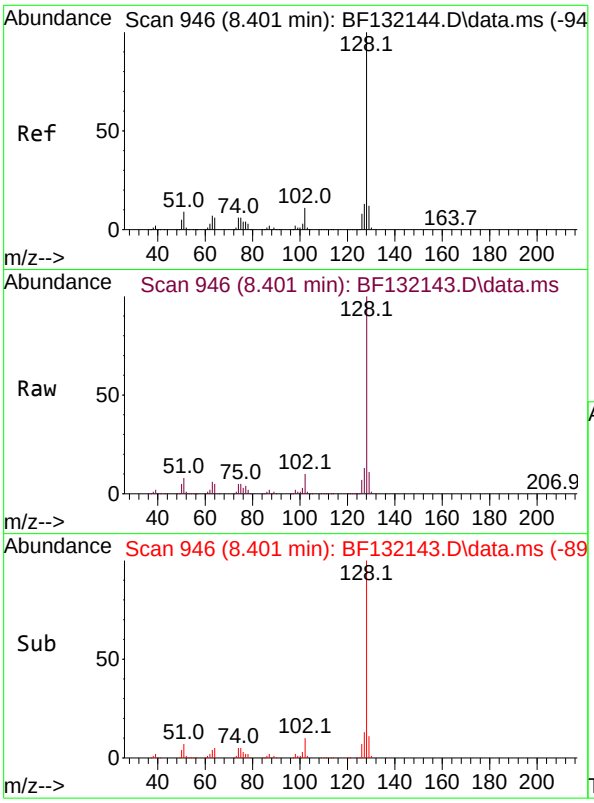


#30
1,2,4-Trichlorobenzene
Concen: 20.649 ng
RT: 8.313 min Scan# 931
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:180 Resp: 220172

Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.4	116.0
145	30.4	23.8	35.6



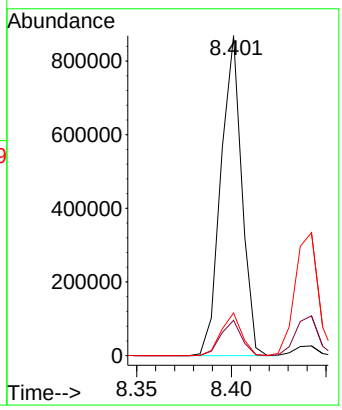


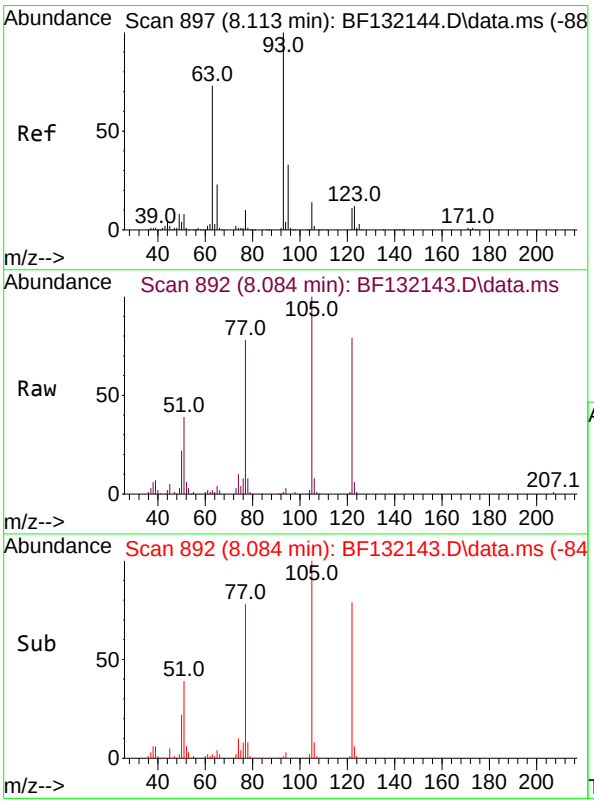
#31
Naphthalene
Concen: 20.926 ng
RT: 8.401 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 666768

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.3	13.9
127	13.3	10.6	15.8

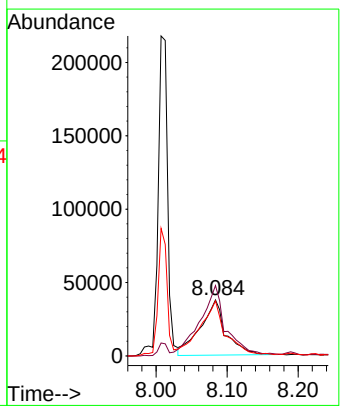


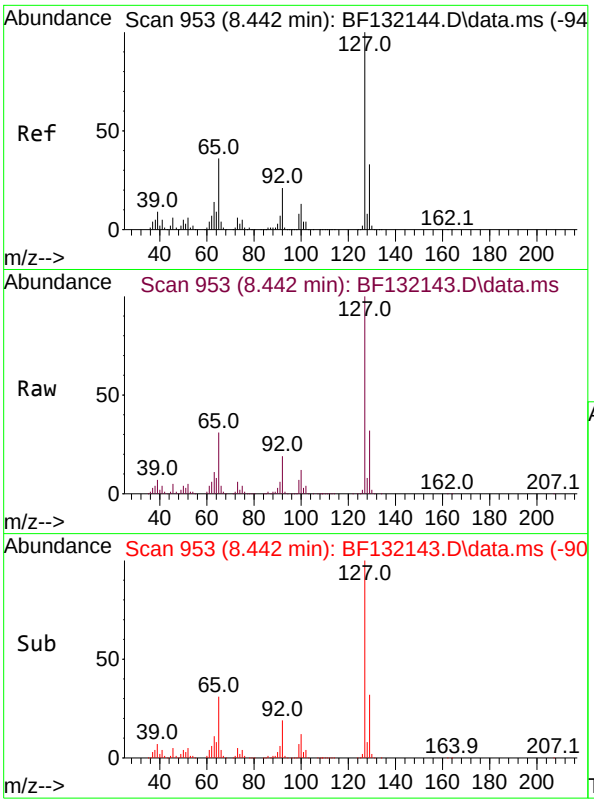


#32
Benzoic acid
Concen: 16.170 ng
RT: 8.084 min Scan# 892
Delta R.T. -0.029 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:122 Resp: 93861

Ion	Ratio	Lower	Upper
122	100		
105	125.8	96.8	136.8
77	98.5	72.5	112.5



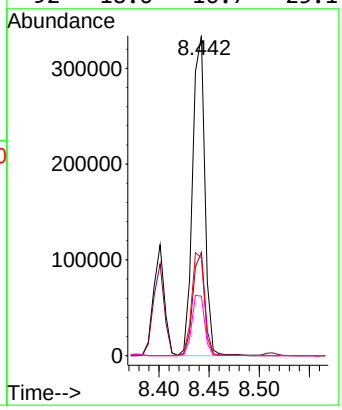


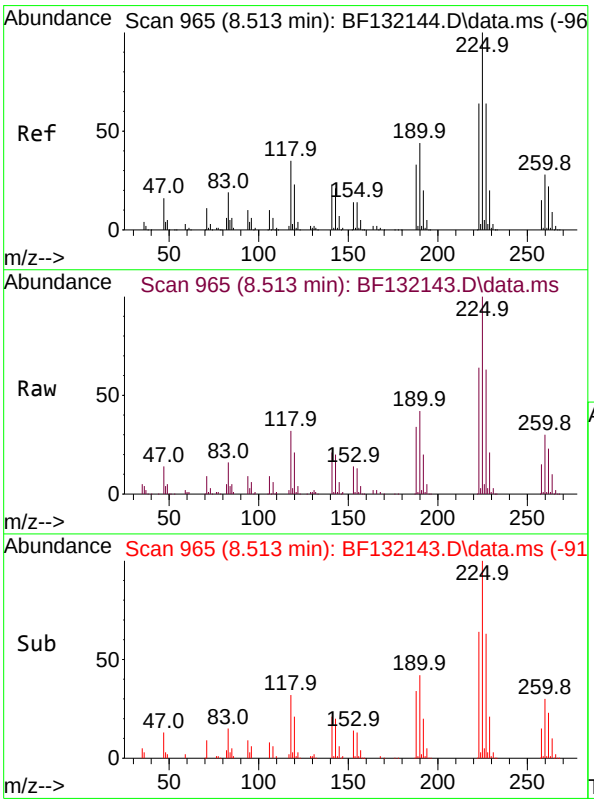
#33
4-Chloroaniline
Concen: 20.856 ng
RT: 8.442 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 284387

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	30.5	28.4	42.6
92	18.6	16.7	25.1

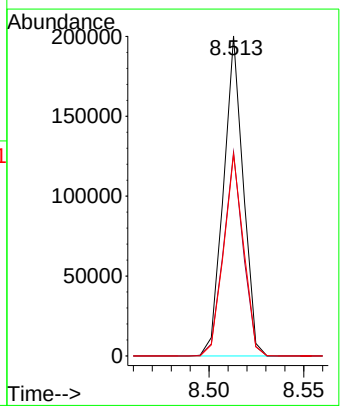


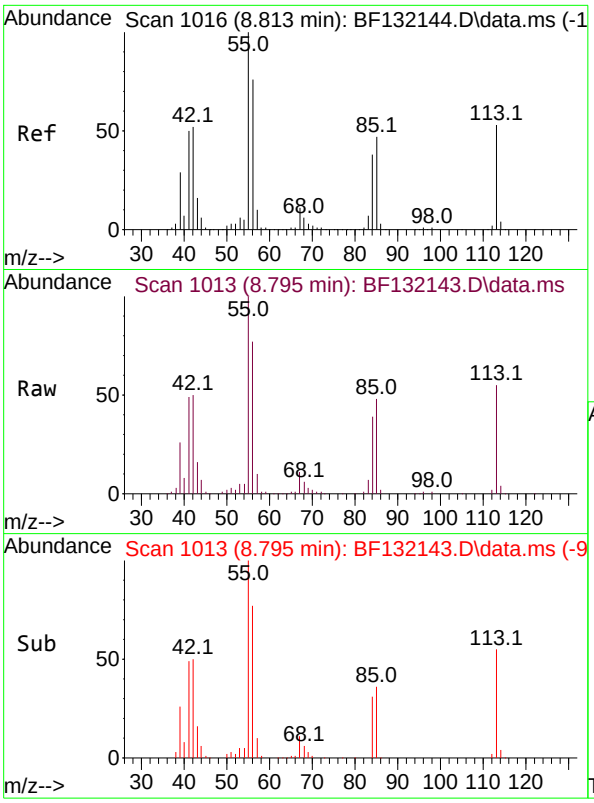


#34
Hexachlorobutadiene
Concen: 20.254 ng
RT: 8.513 min Scan# 965
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:225 Resp: 145075

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.9	76.3
227	63.0	50.8	76.2



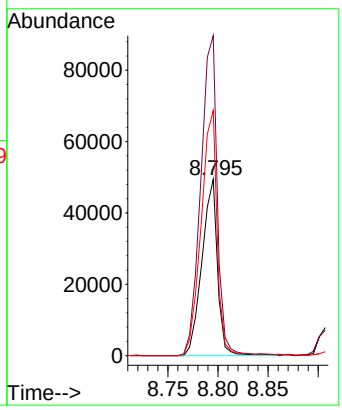


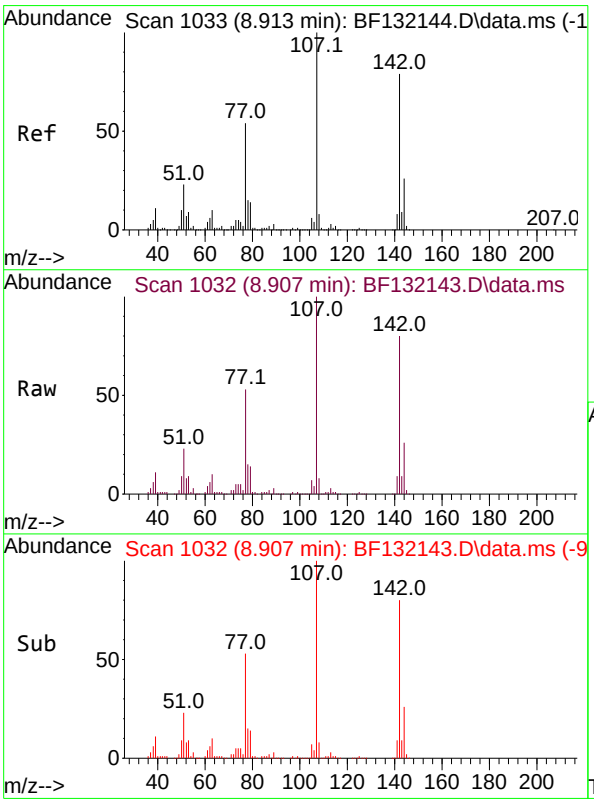
#35
Caprolactam
Concen: 20.000 ng
RT: 8.795 min Scan# 10
Delta R.T. -0.018 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 53142

Ion	Ratio	Lower	Upper
113	100		
55	181.5	167.5	207.5
56	139.0	122.0	162.0

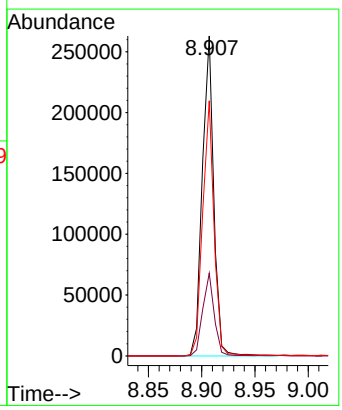


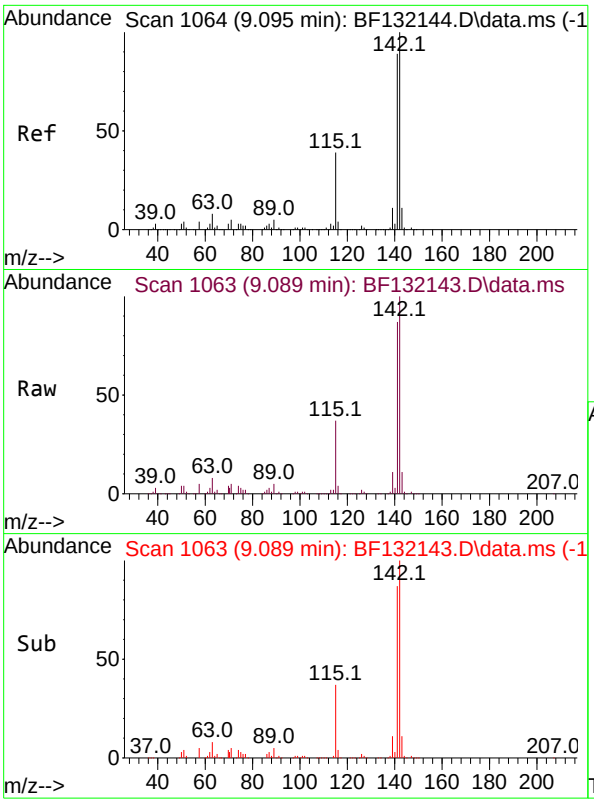


#36
4-Chloro-3-methylphenol
Concen: 20.605 ng
RT: 8.907 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:107 Resp: 194651

Ion	Ratio	Lower	Upper
107	100		
144	25.8	21.0	31.4
142	79.7	63.6	95.4



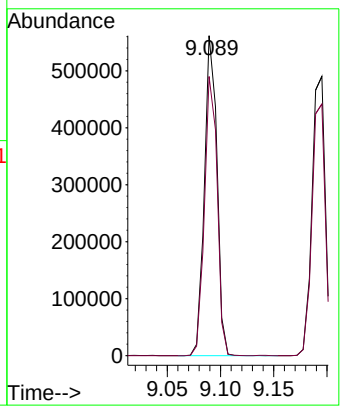


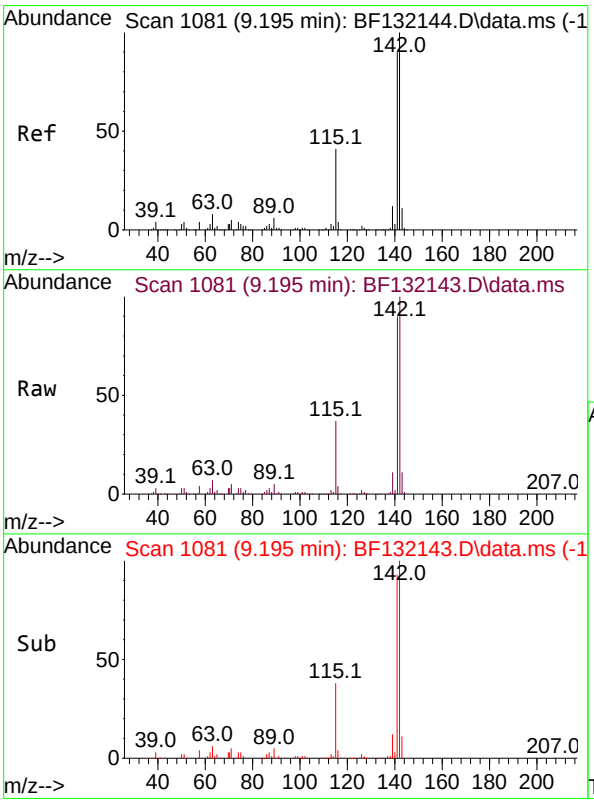
#37
2-Methylnaphthalene
Concen: 20.912 ng
RT: 9.089 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 458759

Ion	Ratio	Lower	Upper
142	100		
141	87.2	71.1	106.7

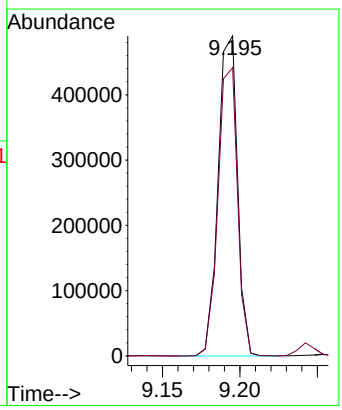


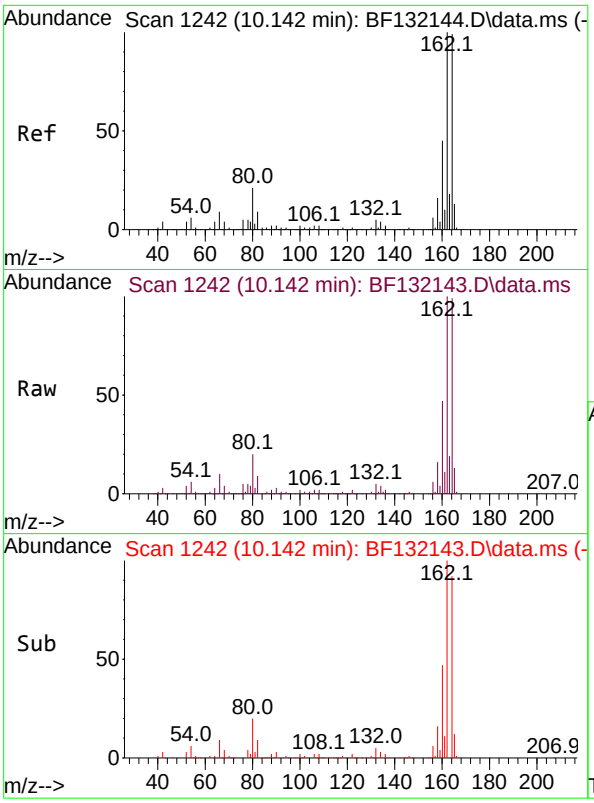


#38
1-Methylnaphthalene
Concen: 20.980 ng
RT: 9.195 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:142 Resp: 428243

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.1	108.1



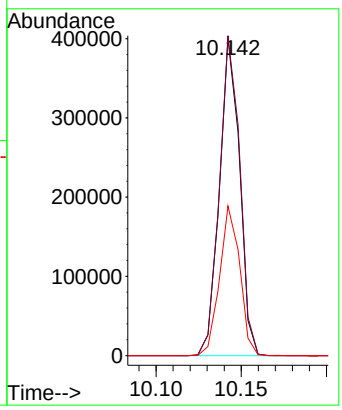


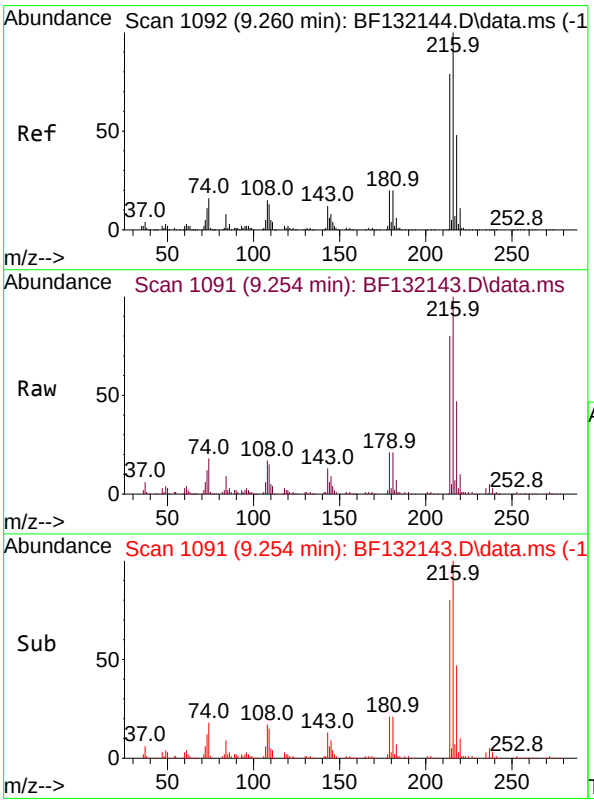
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.142 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 328550

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.2	121.8
160	47.1	36.9	55.3

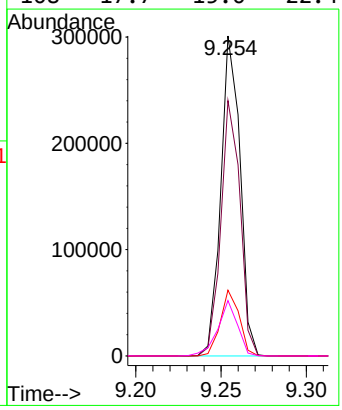


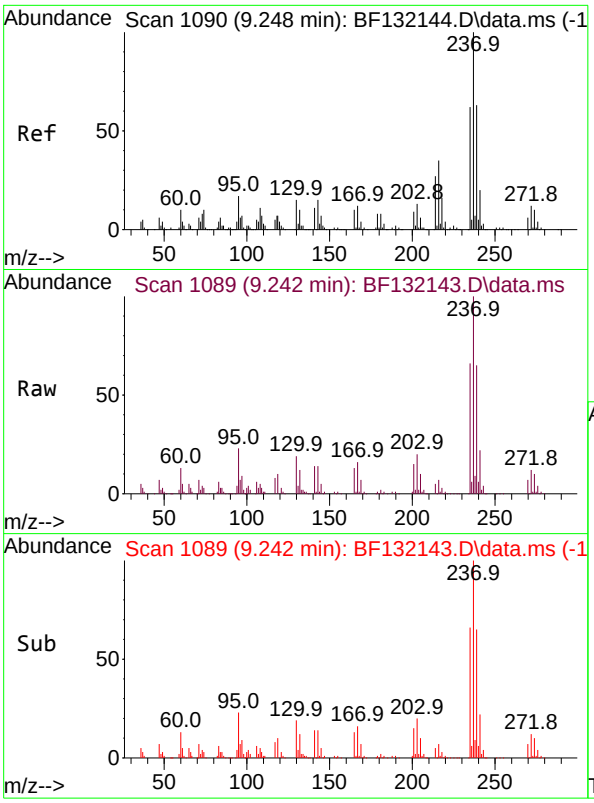


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.670 ng
RT: 9.254 min Scan# 1091
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:216 Resp: 236280

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.1	94.7
179	20.1	16.6	24.8
108	17.7	15.0	22.4



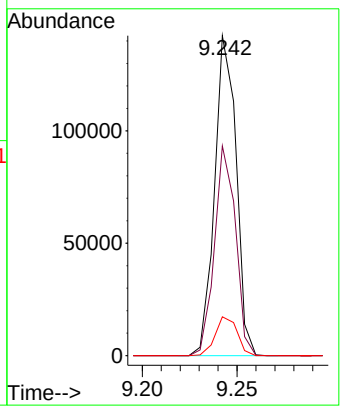


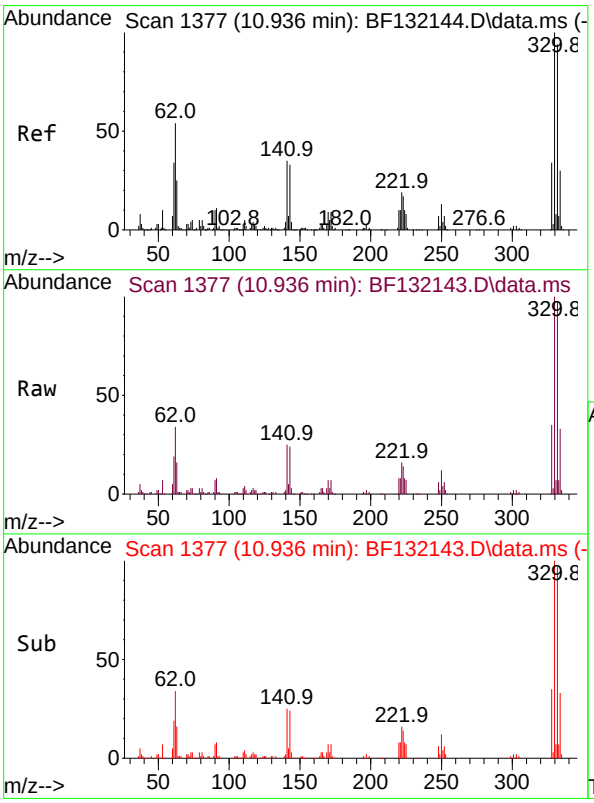
#41
Hexachlorocyclopentadiene
Concen: 18.024 ng
RT: 9.242 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 112433

Ion	Ratio	Lower	Upper
237	100		
235	65.6	41.7	81.7
272	12.1	0.0	32.3

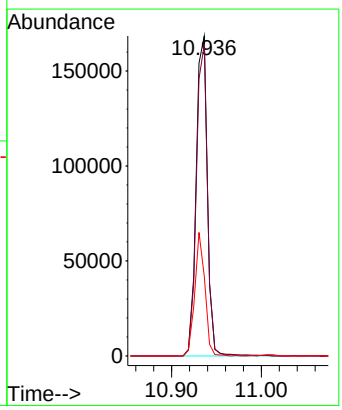


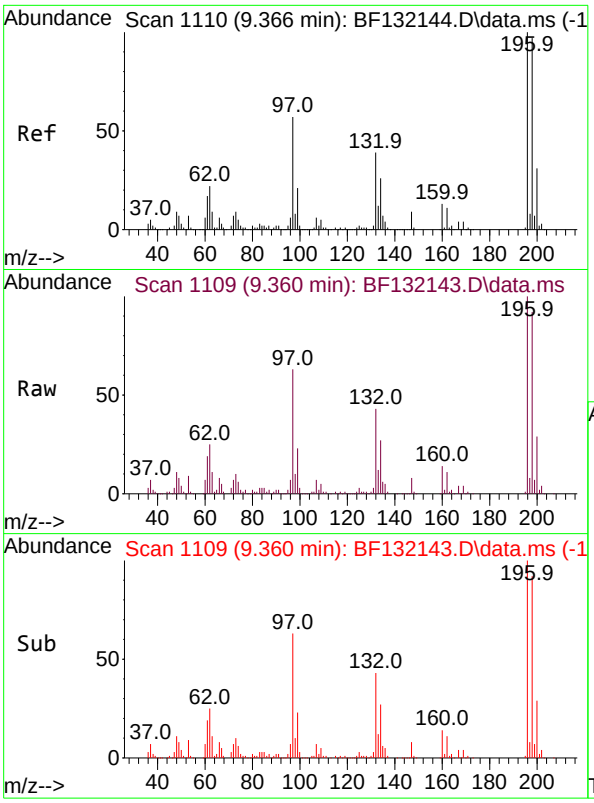


#42
2,4,6-Tribromophenol
Concen: 41.637 ng
RT: 10.936 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:330 Resp: 146122

Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.6	113.4
141	34.7	27.1	40.7



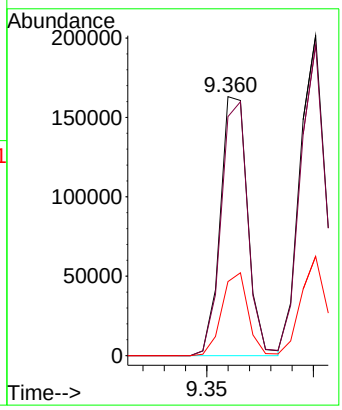


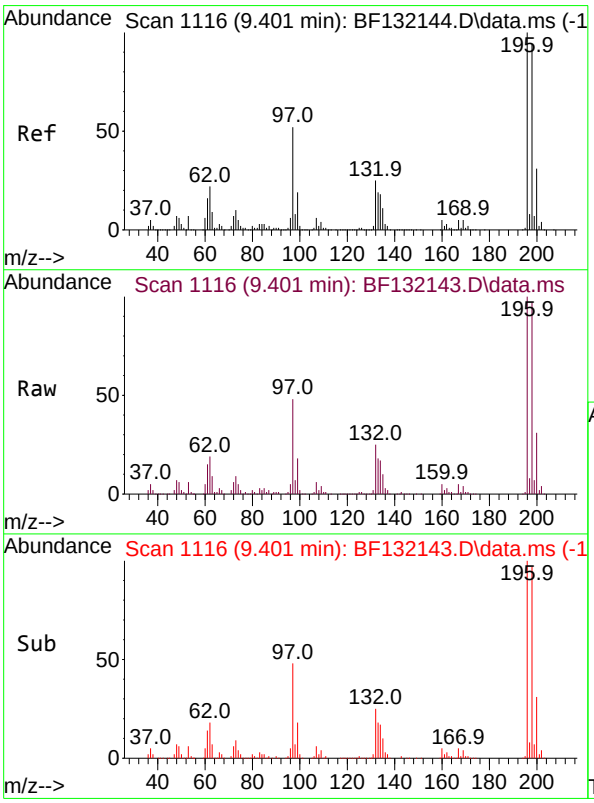
#43
2,4,6-Trichlorophenol
Concen: 20.616 ng
RT: 9.360 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 146261

Ion	Ratio	Lower	Upper
196	100		
198	92.3	77.4	116.2
200	28.6	24.9	37.3

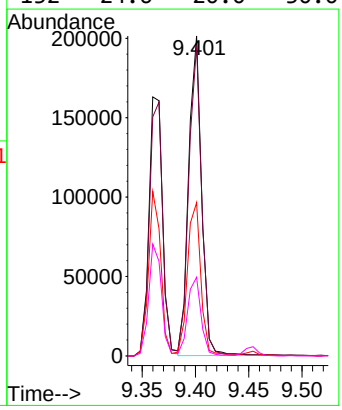


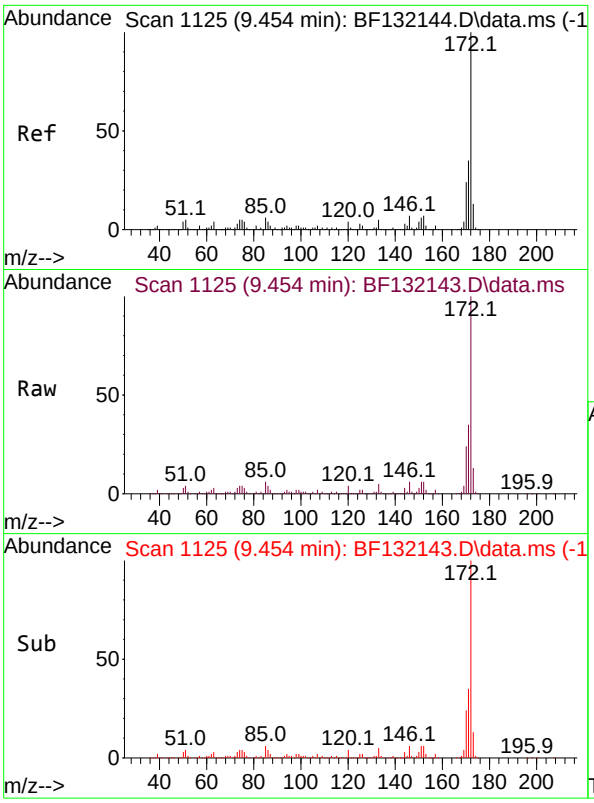


#44
2,4,5-Trichlorophenol
Concen: 20.541 ng
RT: 9.401 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:196 Resp: 170434

Ion	Ratio	Lower	Upper
196	100		
198	97.1	75.3	112.9
97	47.9	41.3	61.9
132	24.6	20.0	30.0



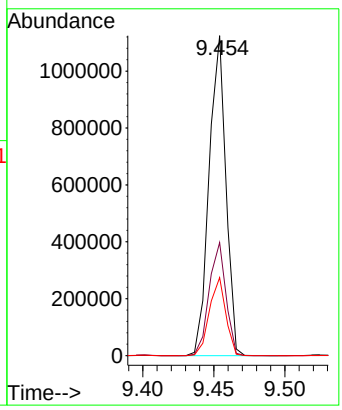


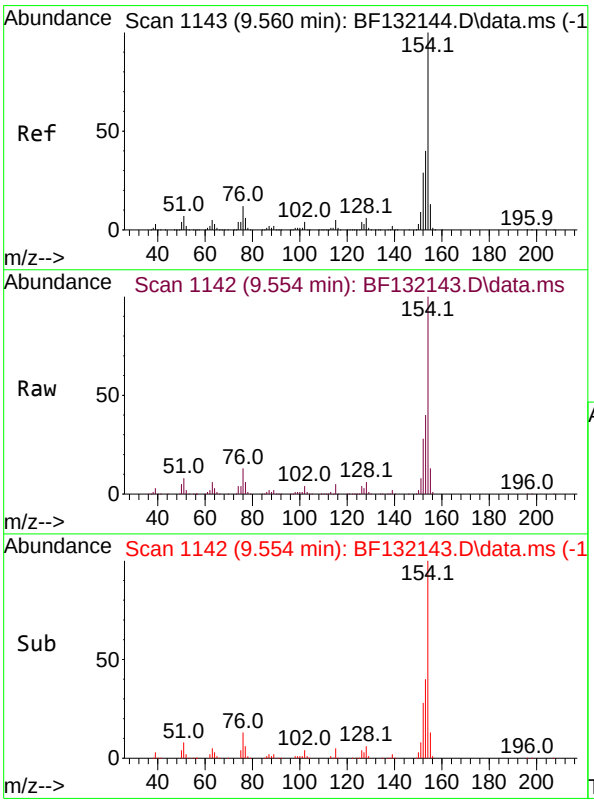
#45
2-Fluorobiphenyl
Concen: 44.024 ng
RT: 9.454 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 924221

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
170	24.4	19.6	29.4

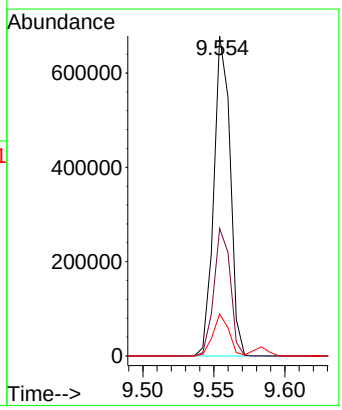


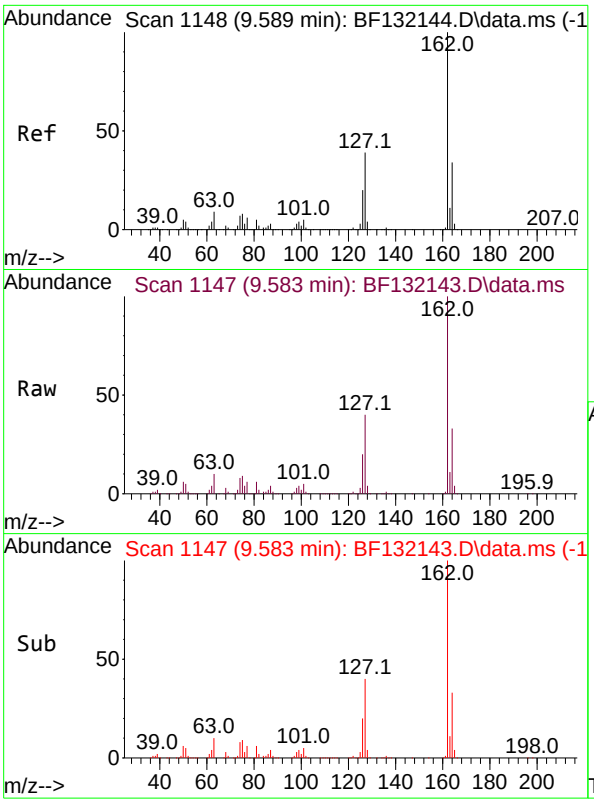


#46
1,1'-Biphenyl
Concen: 21.003 ng
RT: 9.554 min Scan# 1142
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:154 Resp: 544416

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.2	60.2
76	13.1	0.0	32.2



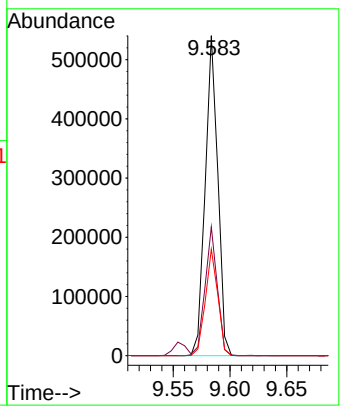


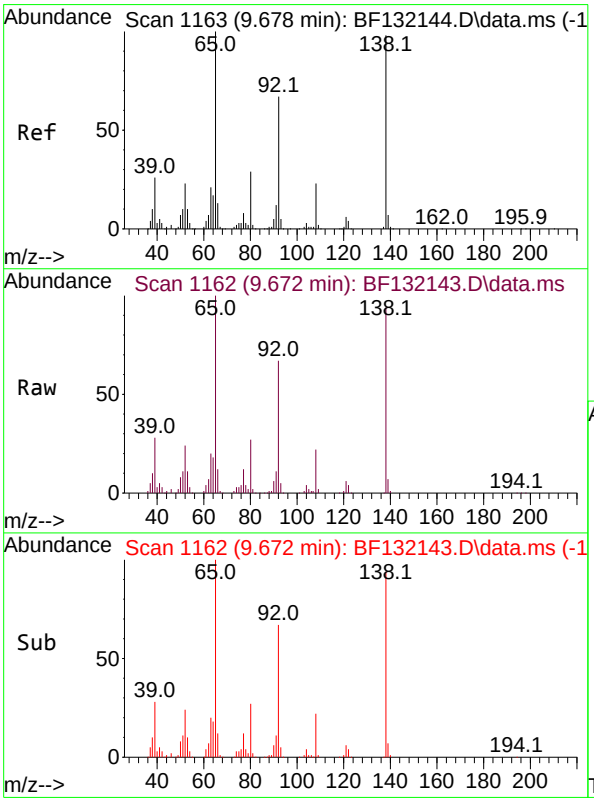
#47
2-Chloronaphthalene
Concen: 20.821 ng
RT: 9.583 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 417187

Ion	Ratio	Lower	Upper
162	100		
127	40.2	31.1	46.7
164	33.2	26.9	40.3

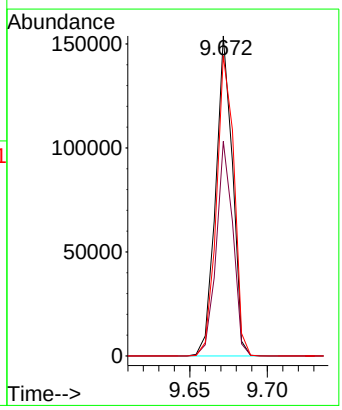


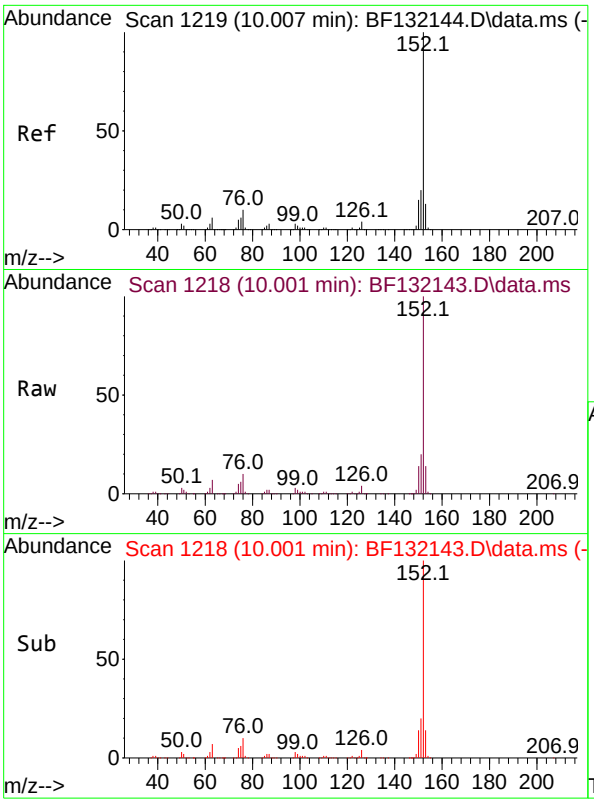


#48
2-Nitroaniline
Concen: 20.161 ng
RT: 9.672 min Scan# 1162
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion: 65 Resp: 116311

Ion	Ratio	Lower	Upper
65	100		
92	67.0	53.8	80.6
138	93.8	78.7	118.1



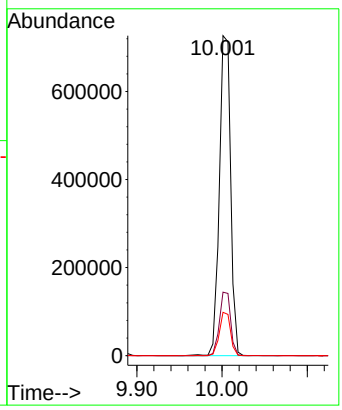


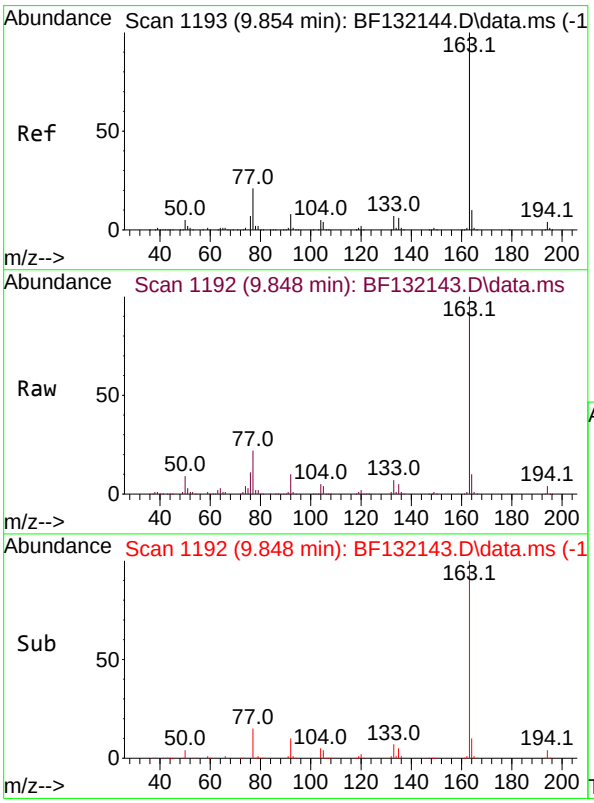
#49
Acenaphthylene
Concen: 20.838 ng
RT: 10.001 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 667961

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.4	24.6
153	13.5	10.6	15.8

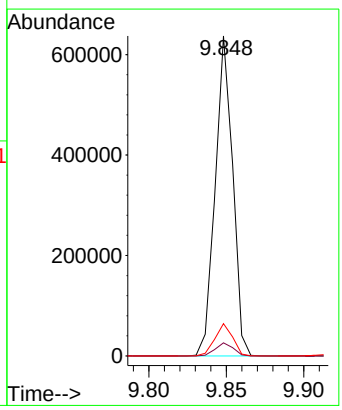


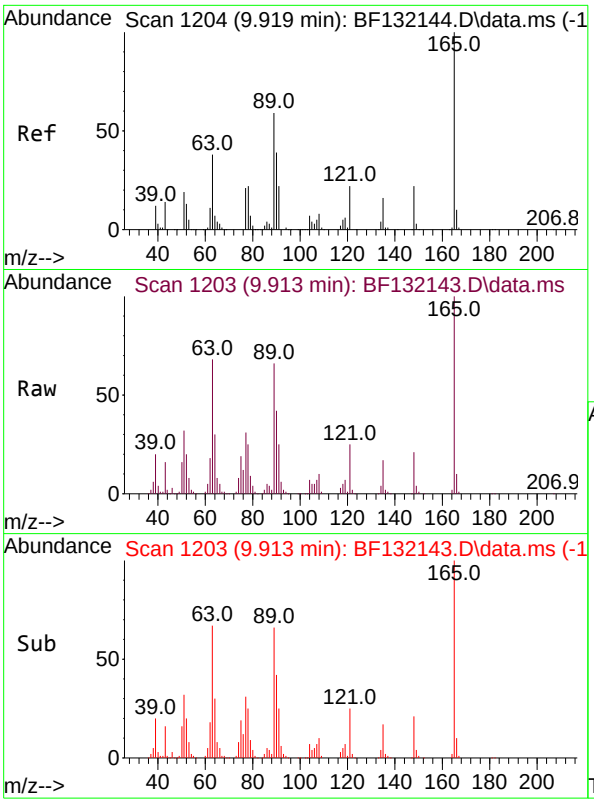


#50
Dimethylphthalate
Concen: 20.979 ng
RT: 9.848 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:163 Resp: 499198

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.1	8.2	12.2



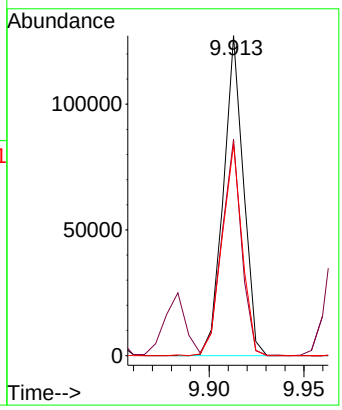


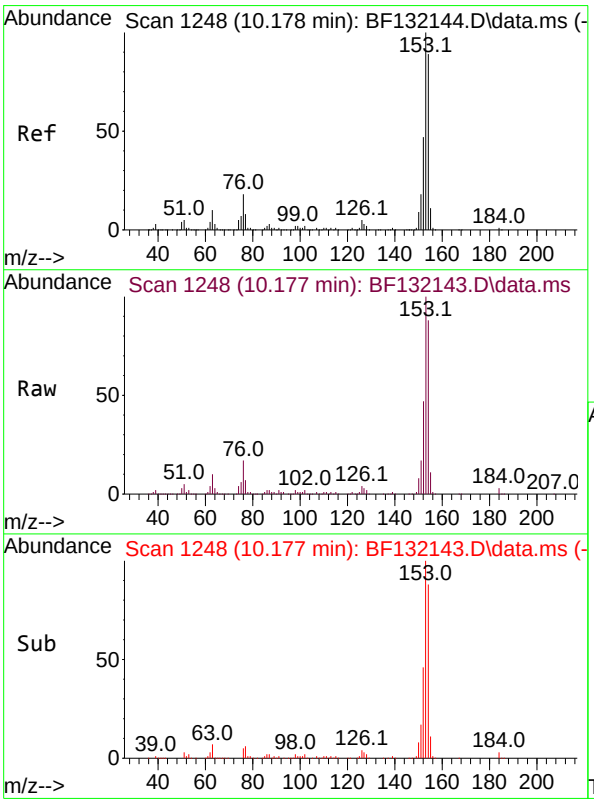
#51
2,6-Dinitrotoluene
Concen: 20.342 ng
RT: 9.913 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 93819

Ion	Ratio	Lower	Upper
165	100		
63	67.6	46.6	70.0
89	66.1	47.4	71.2

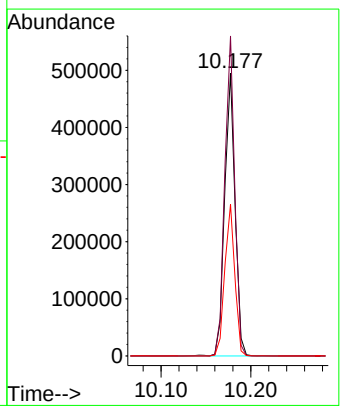


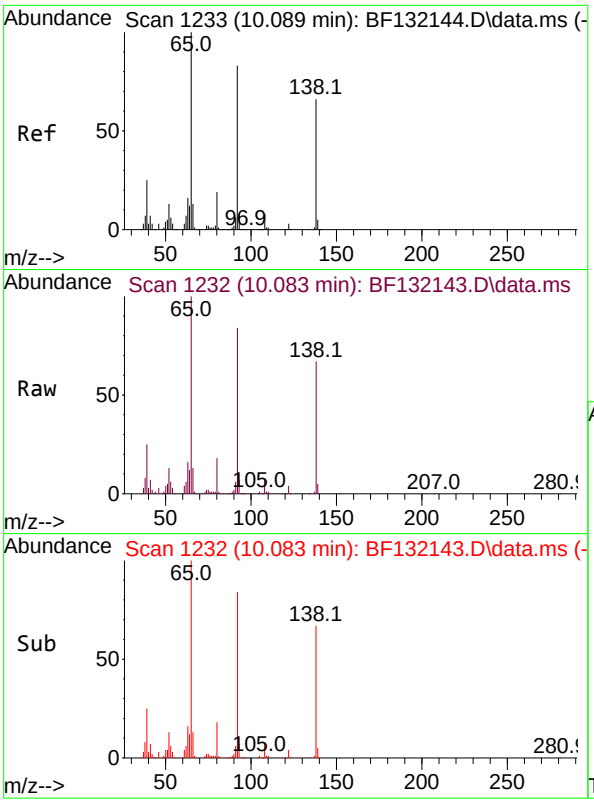


#52
Acenaphthene
Concen: 20.679 ng
RT: 10.177 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:154 Resp: 398701

Ion	Ratio	Lower	Upper
154	100		
153	113.2	89.8	134.8
152	53.6	42.3	63.5



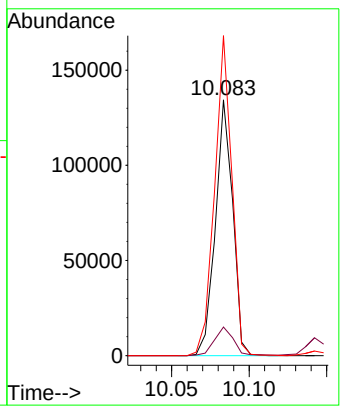


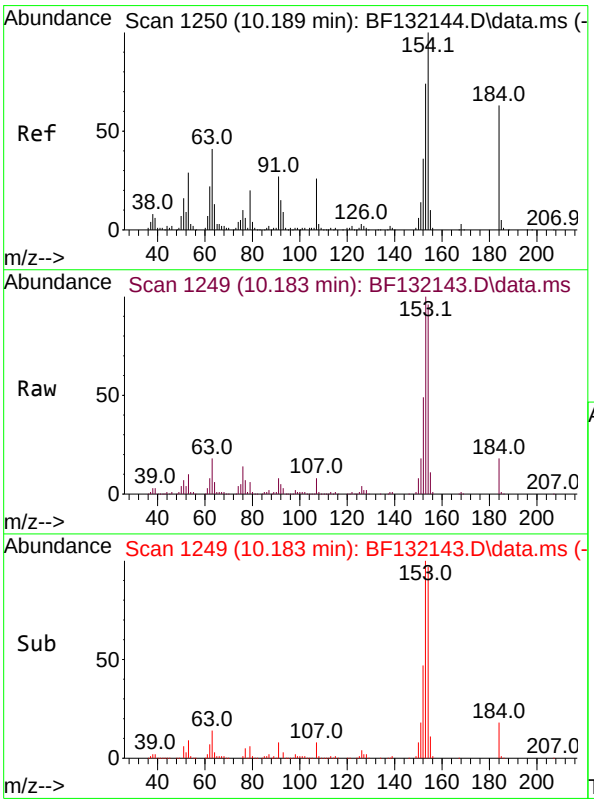
#53
3-Nitroaniline
Concen: 21.160 ng
RT: 10.083 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 104344

Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.1	13.7
92	125.1	101.2	151.8

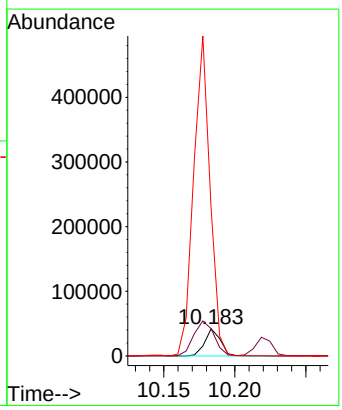


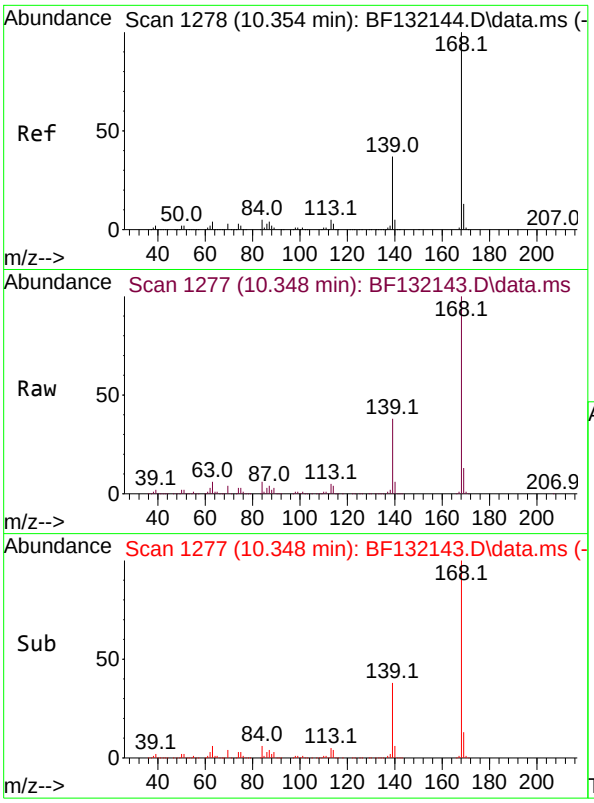


#54
2,4-Dinitrophenol
Concen: 17.046 ng
RT: 10.183 min Scan# 1249
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:184 Resp: 31754

Ion	Ratio	Lower	Upper
184	100		
63	99.9	53.2	79.8#
154	539.6	129.4	194.0#



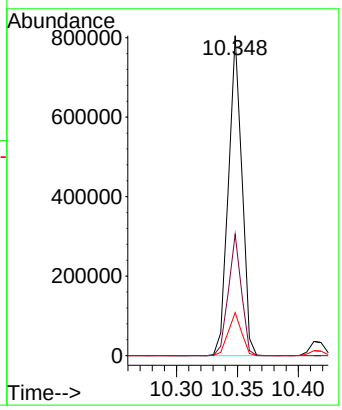


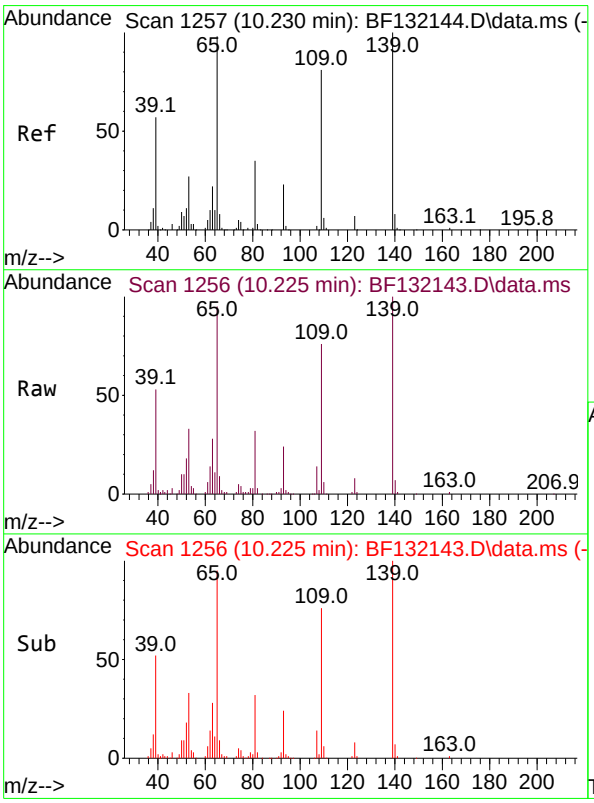
#55
Dibenzofuran
Concen: 20.766 ng
RT: 10.348 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 618748

Ion	Ratio	Lower	Upper
168	100		
139	37.9	29.8	44.8
169	13.4	10.3	15.5

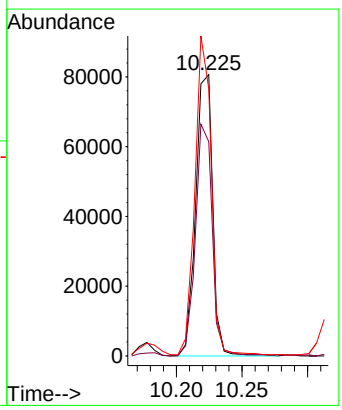


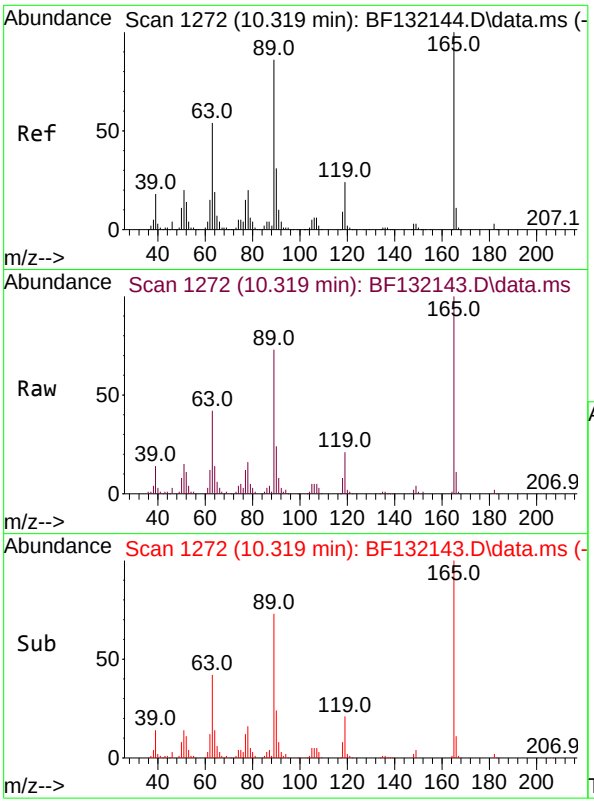


#56
4-Nitrophenol
Concen: 20.202 ng
RT: 10.225 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:139 Resp: 72500

Ion	Ratio	Lower	Upper
139	100		
109	76.2	61.0	101.0
65	95.0	79.3	119.3



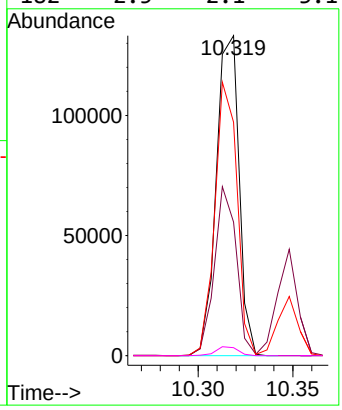


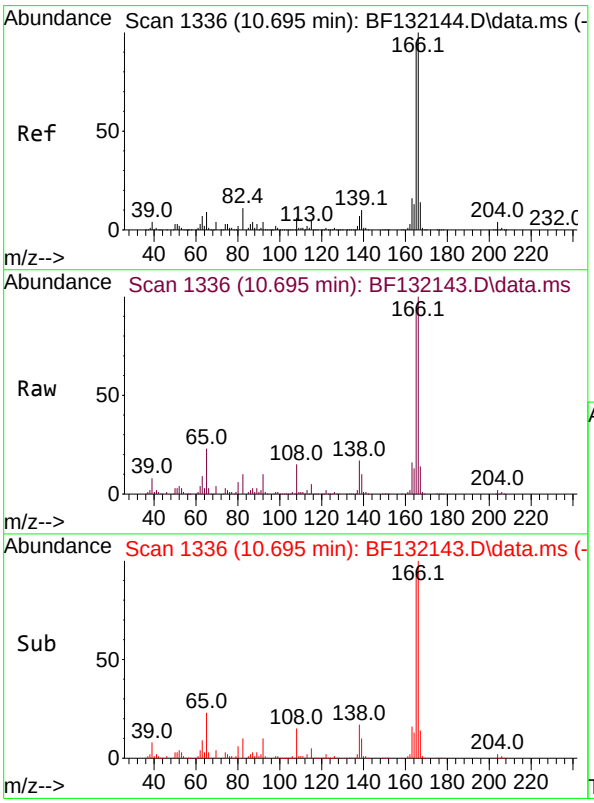
#57
2,4-Dinitrotoluene
Concen: 20.154 ng
RT: 10.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 111577

Ion	Ratio	Lower	Upper
165	100		
63	41.7	43.5	65.3#
89	72.9	69.0	103.6
182	2.5	2.1	3.1

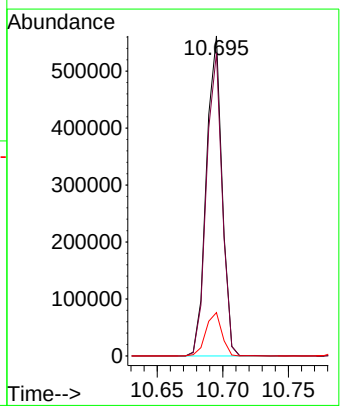


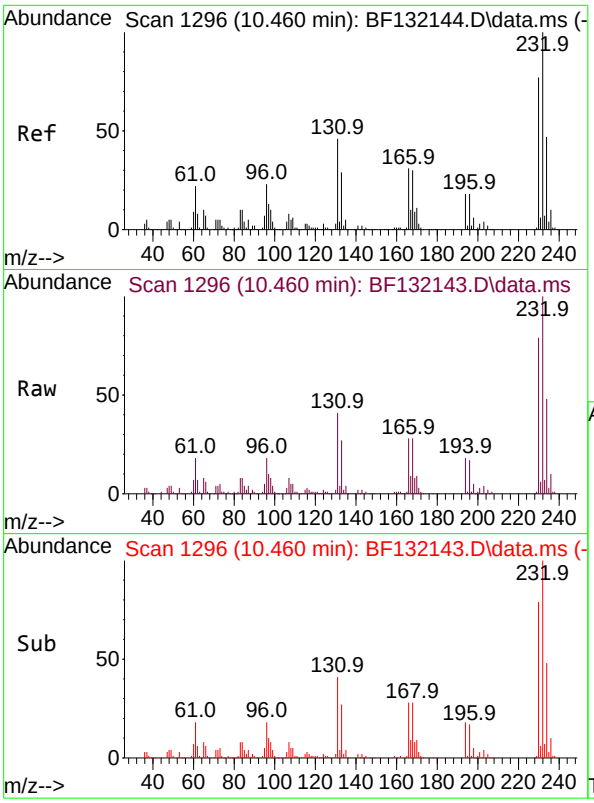


#58
Fluorene
Concen: 21.073 ng
RT: 10.695 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:166 Resp: 465243

Ion	Ratio	Lower	Upper
166	100		
165	94.7	76.4	114.6
167	13.5	11.0	16.4



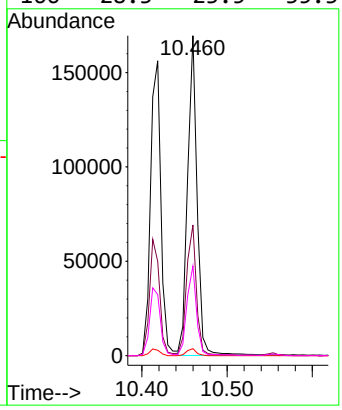


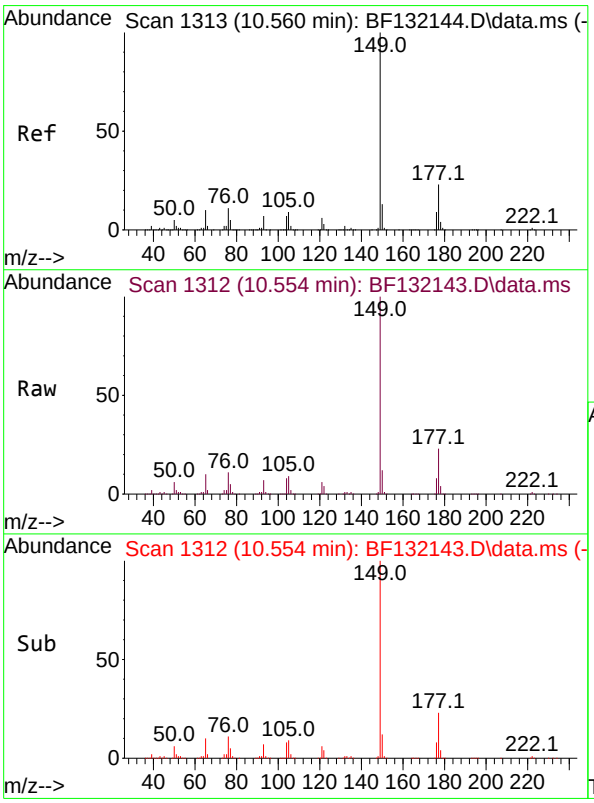
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.811 ng
RT: 10.460 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 131354

Ion	Ratio	Lower	Upper
232	100		
131	42.1	33.8	50.6
130	2.2	1.9	2.9
166	28.3	23.5	35.3

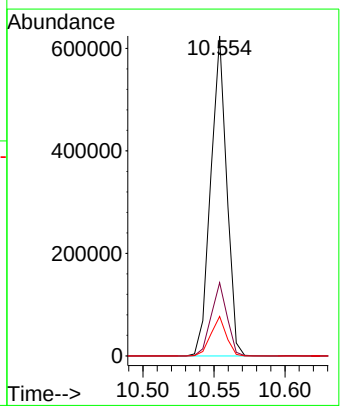


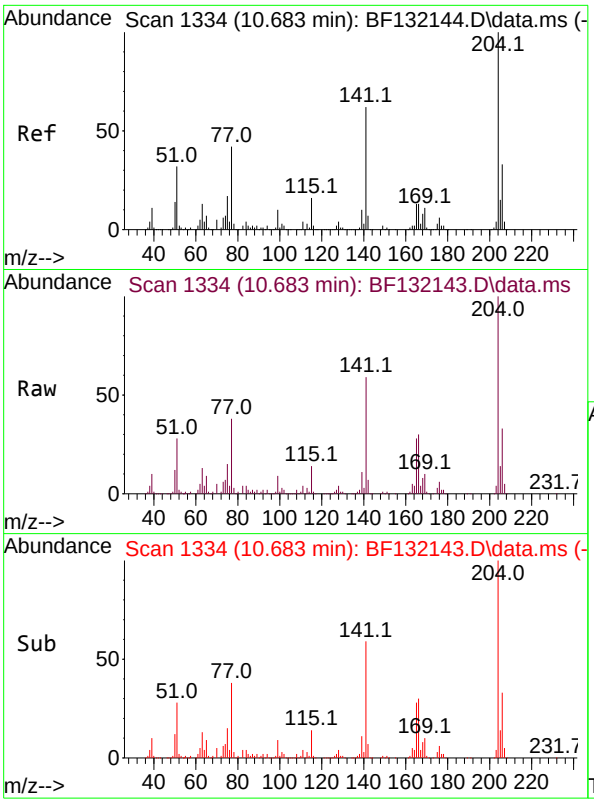


#60
Diethylphthalate
Concen: 20.905 ng
RT: 10.554 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:149 Resp: 487809

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.4	27.6
150	12.3	10.1	15.1



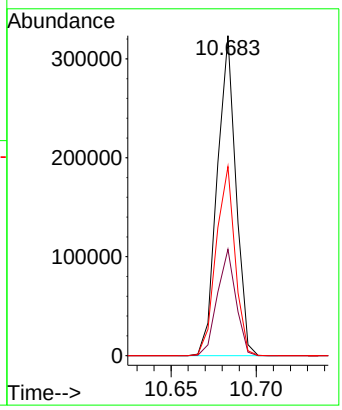


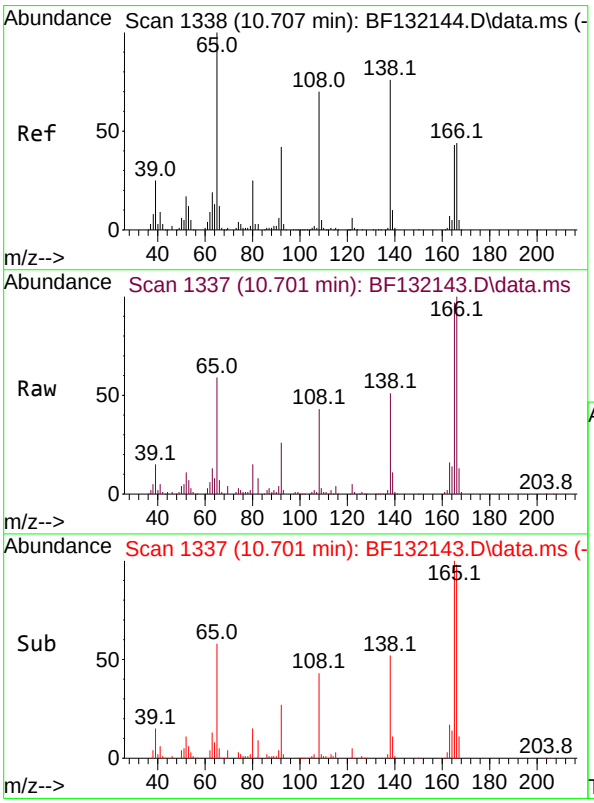
#61
4-Chlorophenyl-phenylether
Concen: 20.845 ng
RT: 10.683 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 246432

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	59.1	49.2	73.8

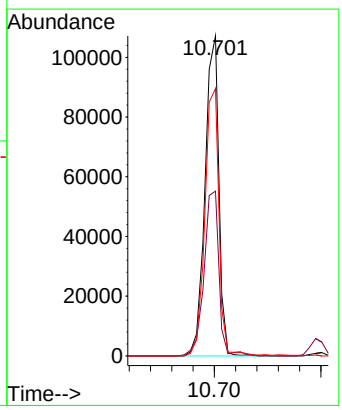


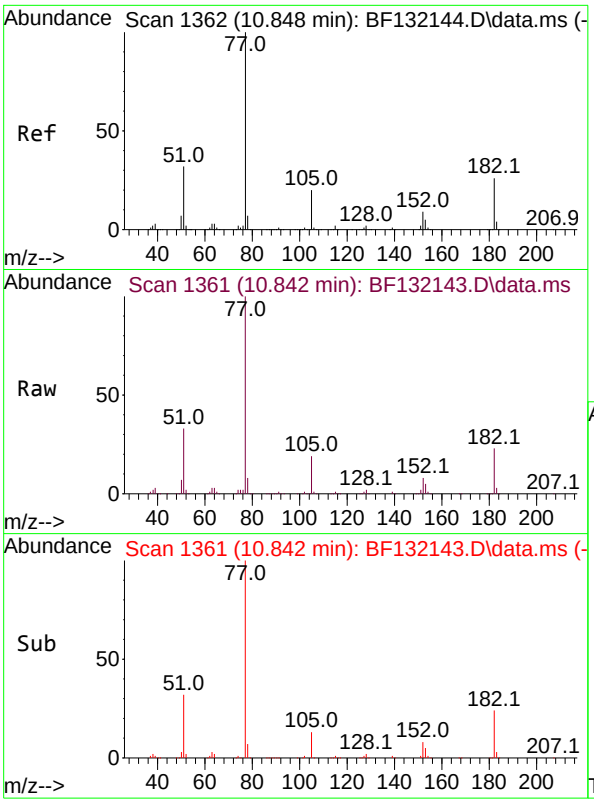


#62
4-Nitroaniline
Concen: 20.957 ng
RT: 10.701 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:138 Resp: 96209

Ion	Ratio	Lower	Upper
138	100		
92	51.5	35.9	75.9
108	83.6	72.0	112.0



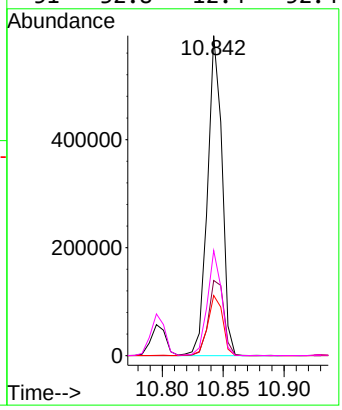


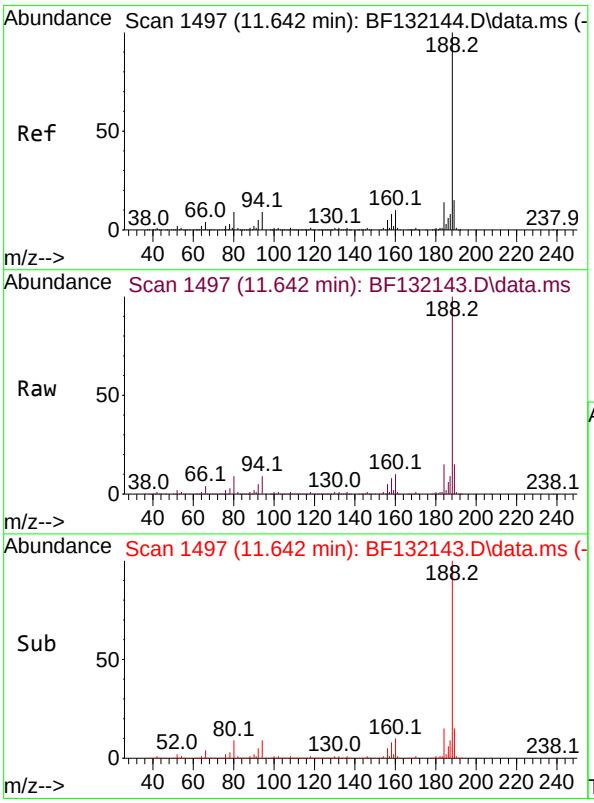
#63
Azobenzene
Concen: 21.019 ng
RT: 10.842 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 492240

Ion	Ratio	Lower	Upper
77	100		
182	23.5	6.4	46.4
105	18.8	0.0	39.8
51	32.8	12.4	52.4

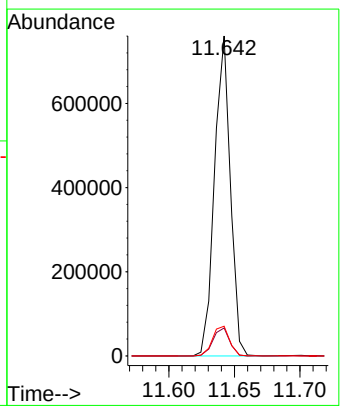


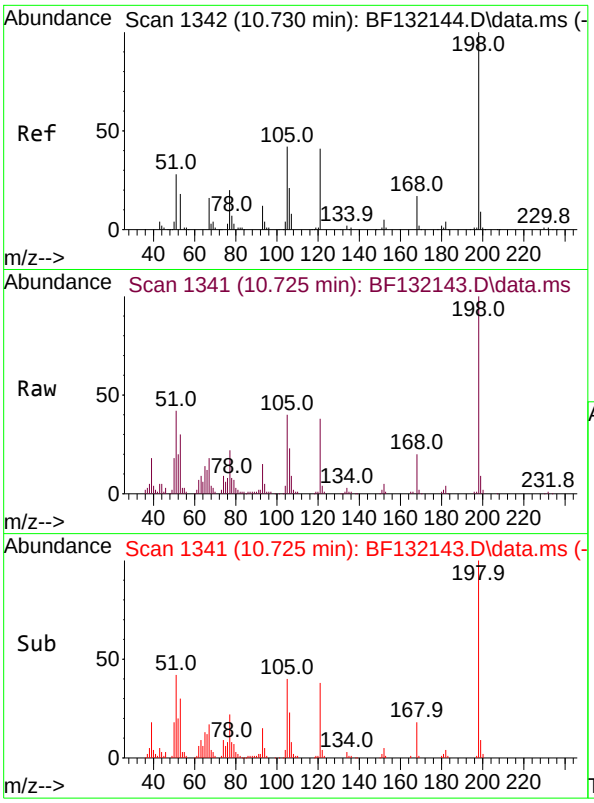


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.642 min Scan# 1497
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:188 Resp: 639965

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.9	10.3
80	9.3	7.5	11.3



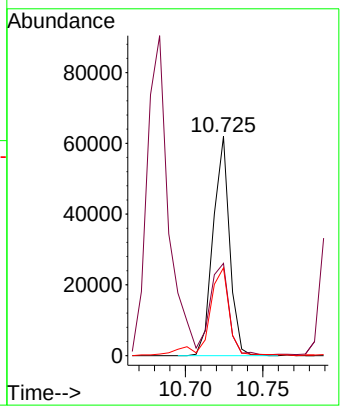


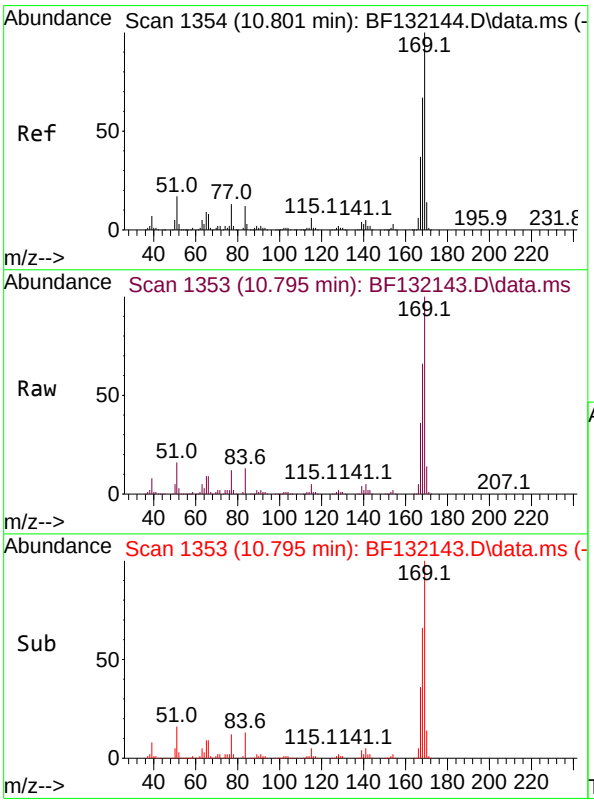
#65
4,6-Dinitro-2-methylphenol
Concen: 16.514 ng
RT: 10.725 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 45820

Ion	Ratio	Lower	Upper
198	100		
51	42.1	24.3	64.3
105	40.1	23.3	63.3

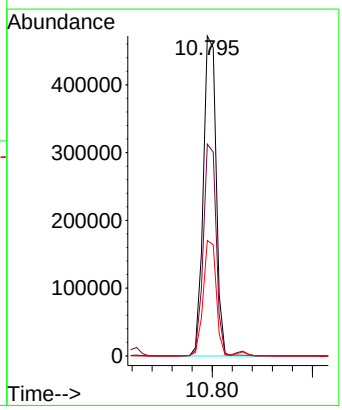


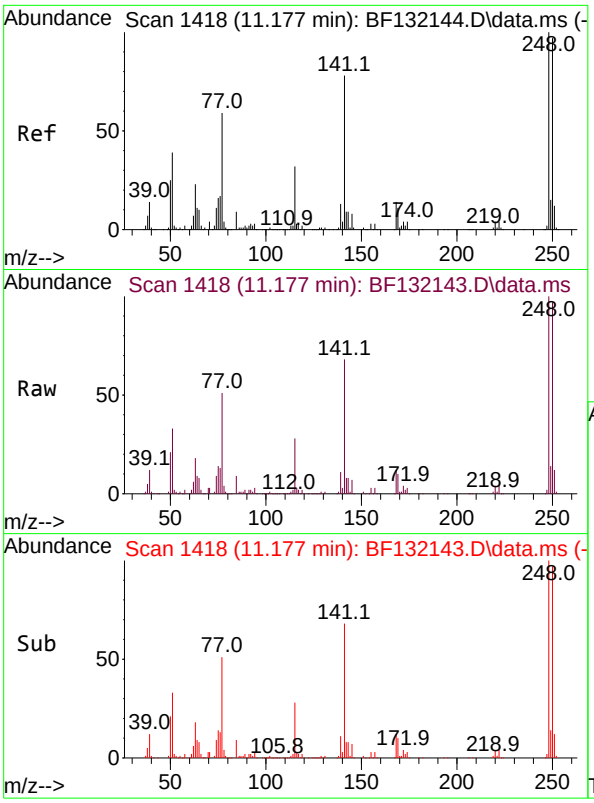


#66
n-Nitrosodiphenylamine
Concen: 20.458 ng
RT: 10.795 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:169 Resp: 419303

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.4	80.0
167	36.1	29.7	44.5



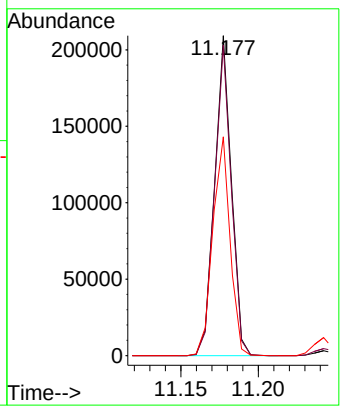


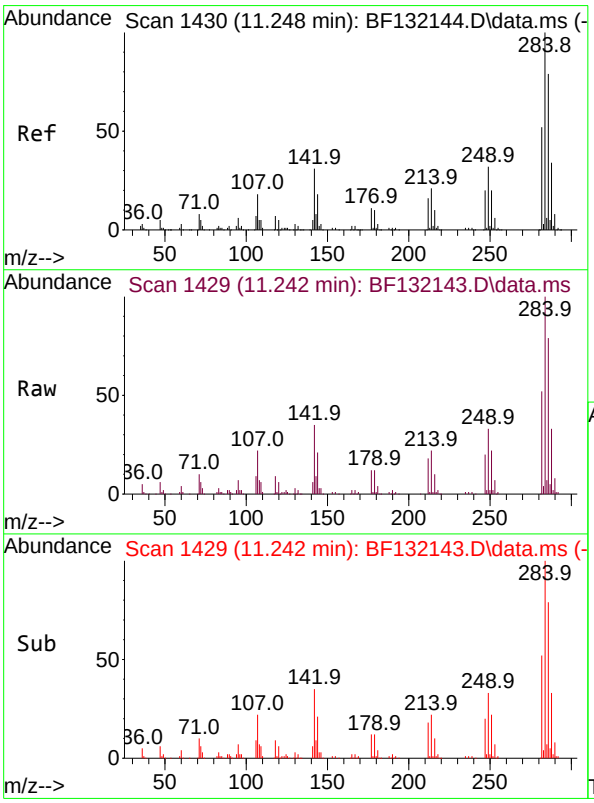
#67
4-Bromophenyl-phenylether
Concen: 20.266 ng
RT: 11.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 158088

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.4	116.0
141	68.4	62.2	93.2

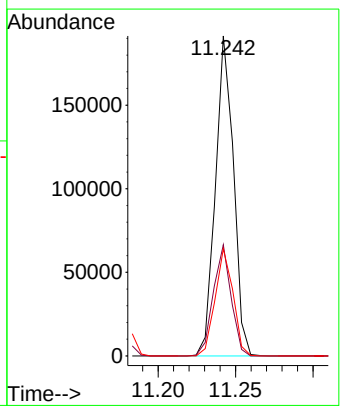


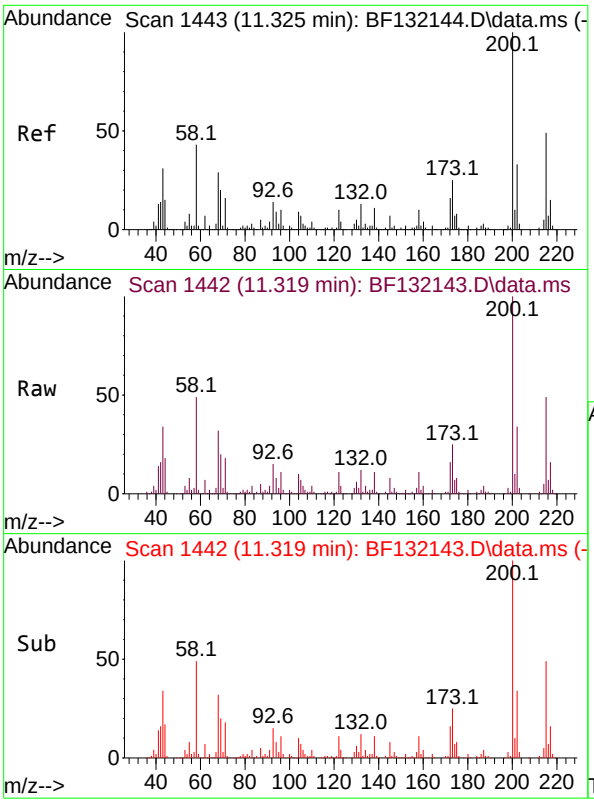


#68
Hexachlorobenzene
Concen: 20.084 ng
RT: 11.242 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:284 Resp: 155701

Ion	Ratio	Lower	Upper
284	100		
142	34.7	24.7	37.1
249	33.5	25.6	38.4



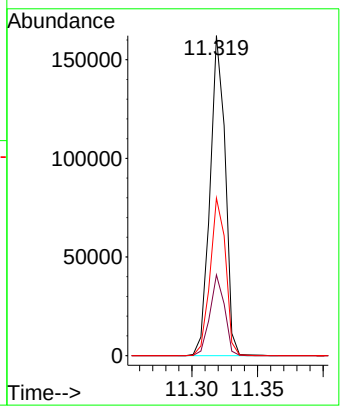


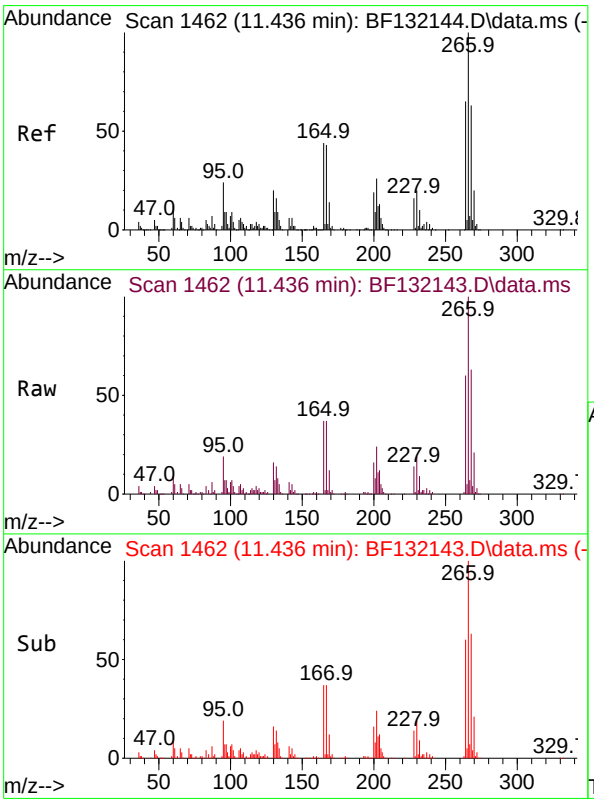
#69
Atrazine
Concen: 20.588 ng
RT: 11.319 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 130188

Ion	Ratio	Lower	Upper
200	100		
173	25.2	5.0	45.0
215	49.2	28.6	68.6

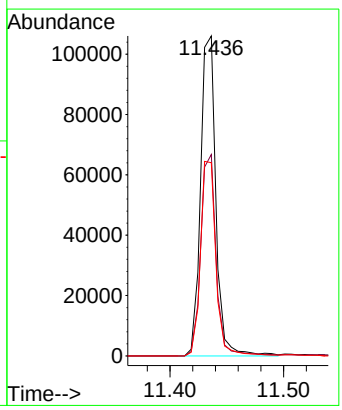


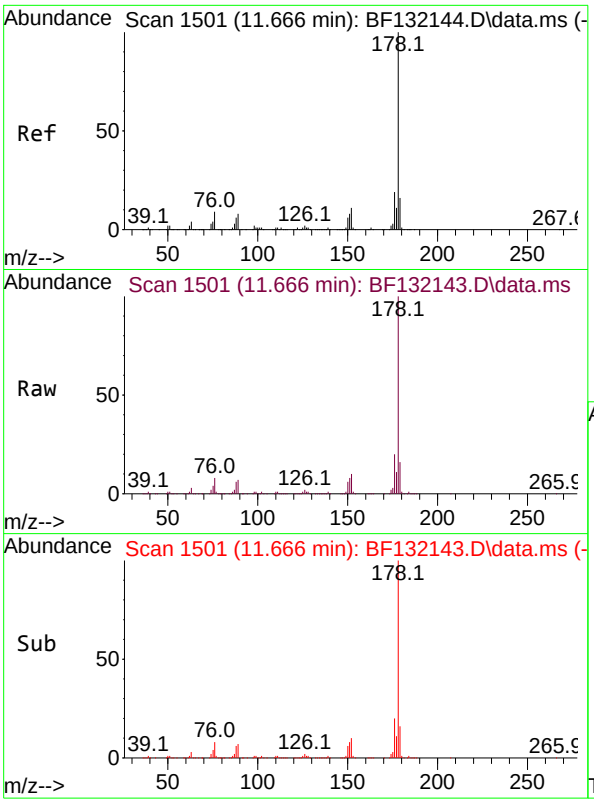


#70
Pentachlorophenol
Concen: 19.978 ng
RT: 11.436 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:266 Resp: 99527

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.8	76.2
264	60.4	52.3	78.5



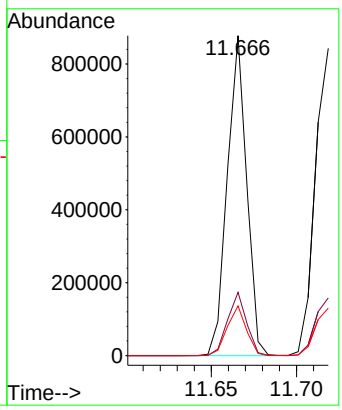


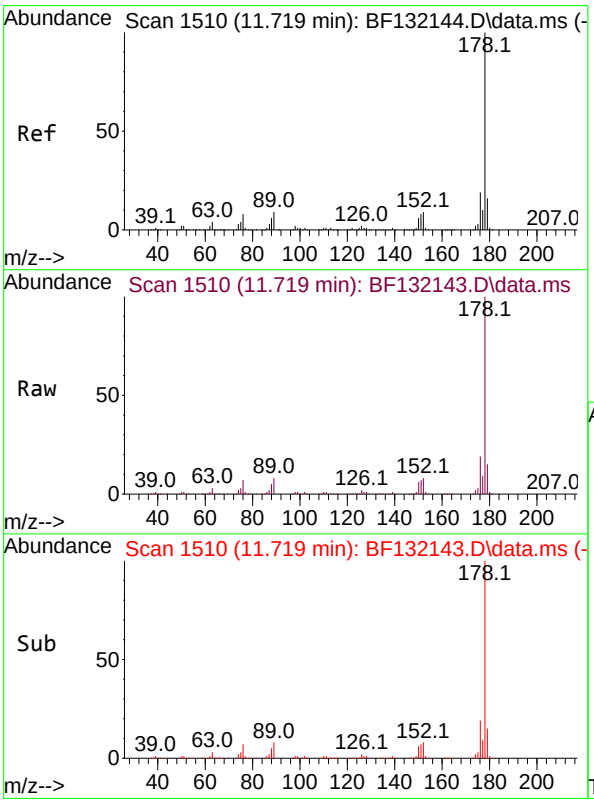
#71
Phenanthrene
Concen: 20.639 ng
RT: 11.666 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 693158

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.5	12.6	19.0

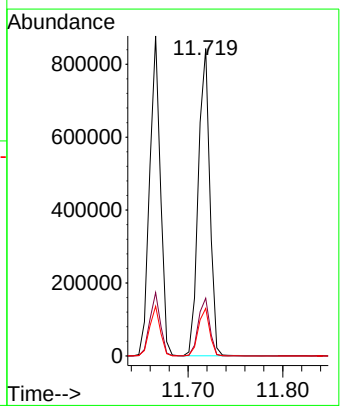


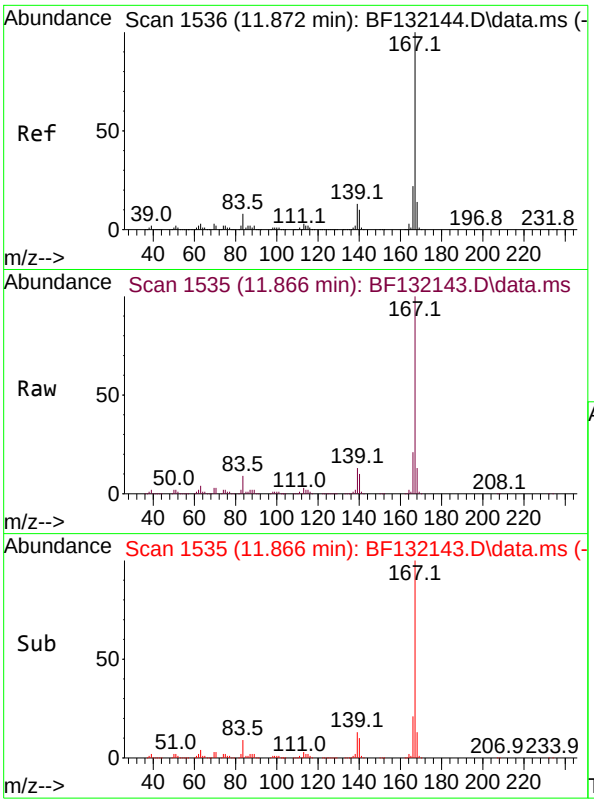


#72
Anthracene
Concen: 20.798 ng
RT: 11.719 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:178 Resp: 706624

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.5	12.6	18.8



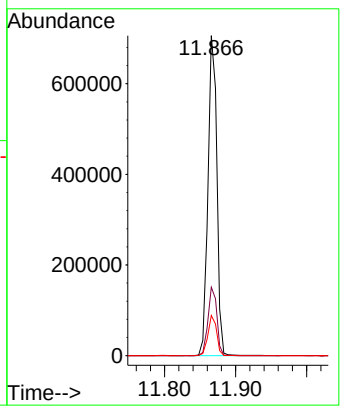


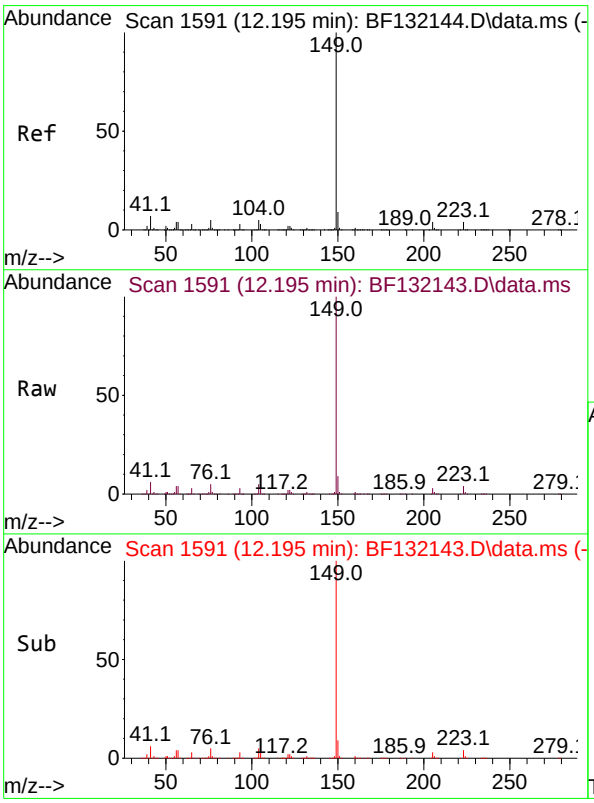
#73
Carbazole
Concen: 20.986 ng
RT: 11.866 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 609049

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.7	26.5
139	12.5	10.5	15.7

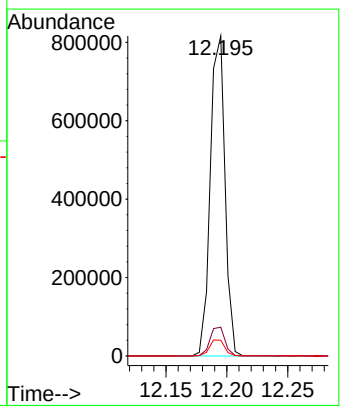


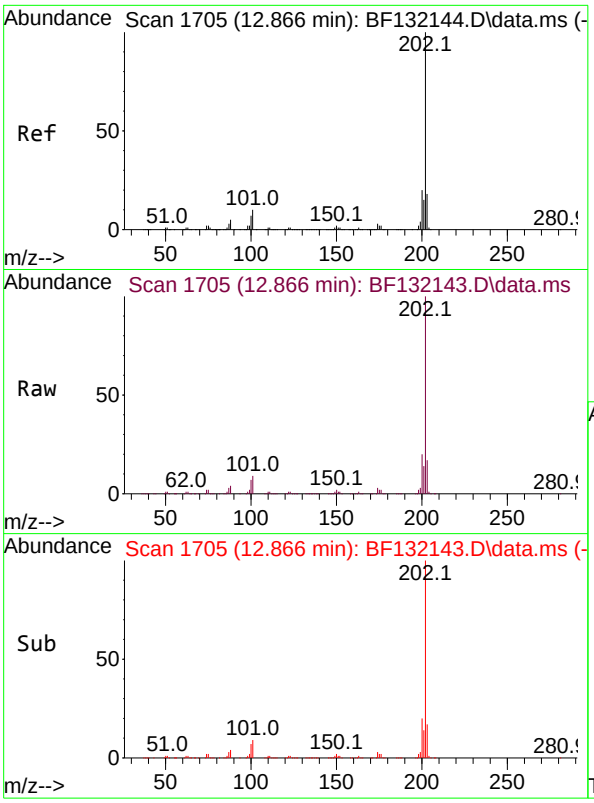


#74
Di-n-butylphthalate
Concen: 21.214 ng
RT: 12.195 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:149 Resp: 685370

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	4.9	4.3	6.5



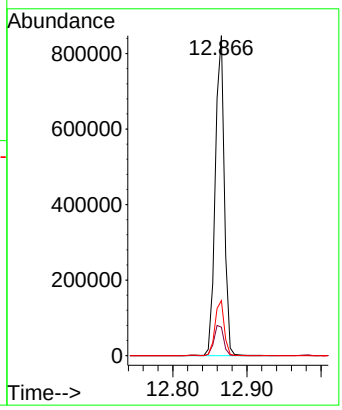


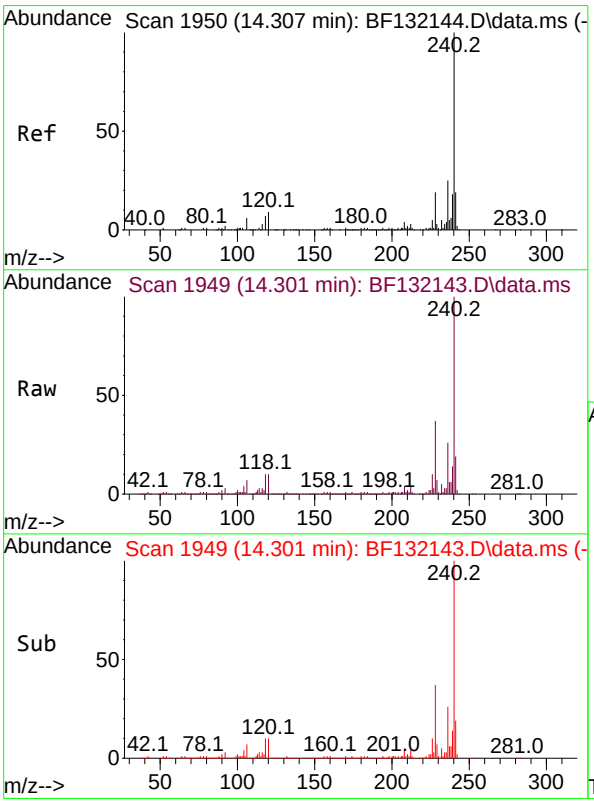
#75
Fluoranthene
Concen: 20.834 ng
RT: 12.866 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 718725

Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	29.6
203	17.2	0.0	37.9

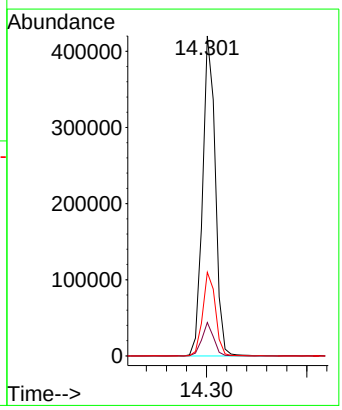


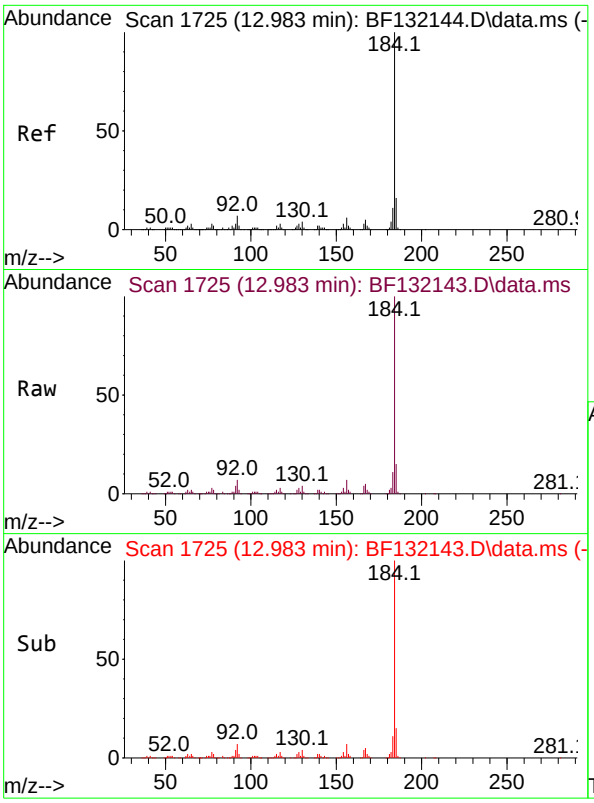


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.301 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:240 Resp: 367797

Ion	Ratio	Lower	Upper
240	100		
120	10.4	6.9	10.3#
236	26.2	20.3	30.5



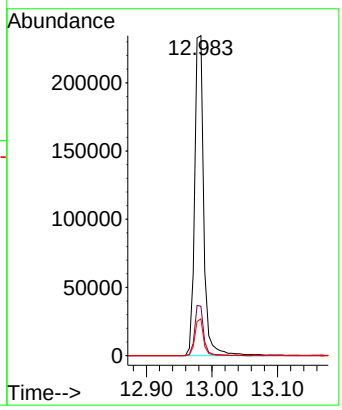


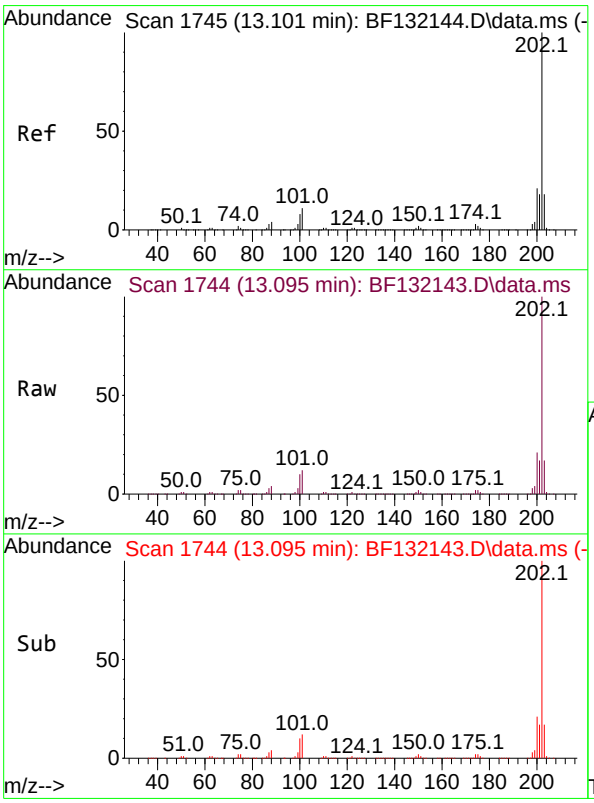
#77
Benzidine
Concen: 20.488 ng
RT: 12.983 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 226247

Ion	Ratio	Lower	Upper
184	100		
185	15.4	12.5	18.7
183	11.5	9.0	13.4

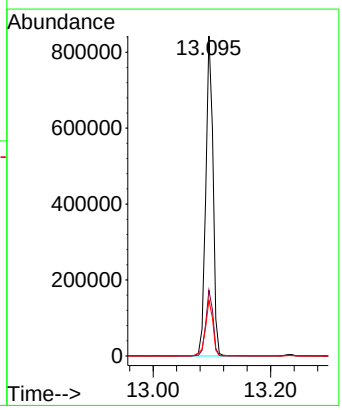


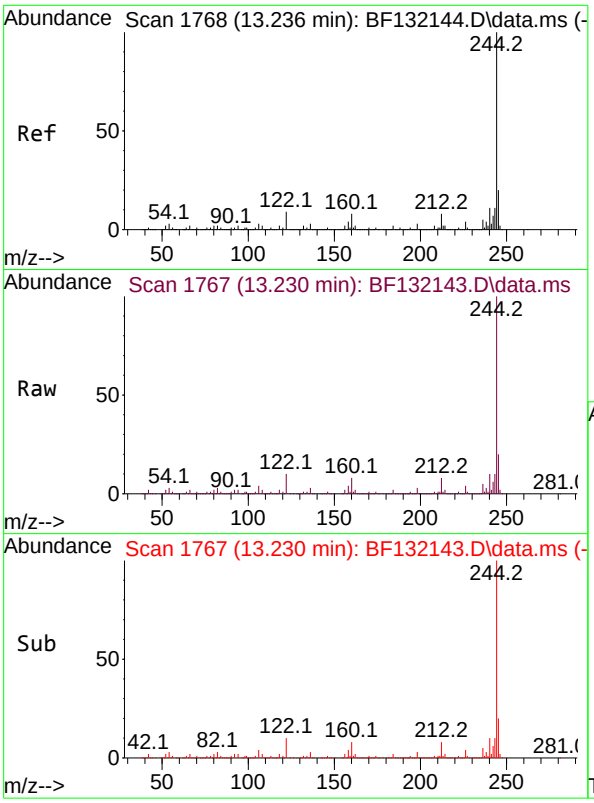


#78
Pyrene
Concen: 21.282 ng
RT: 13.095 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:202 Resp: 721378

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.7	25.1
203	17.4	14.0	21.0



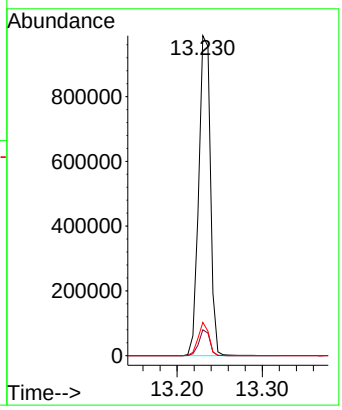


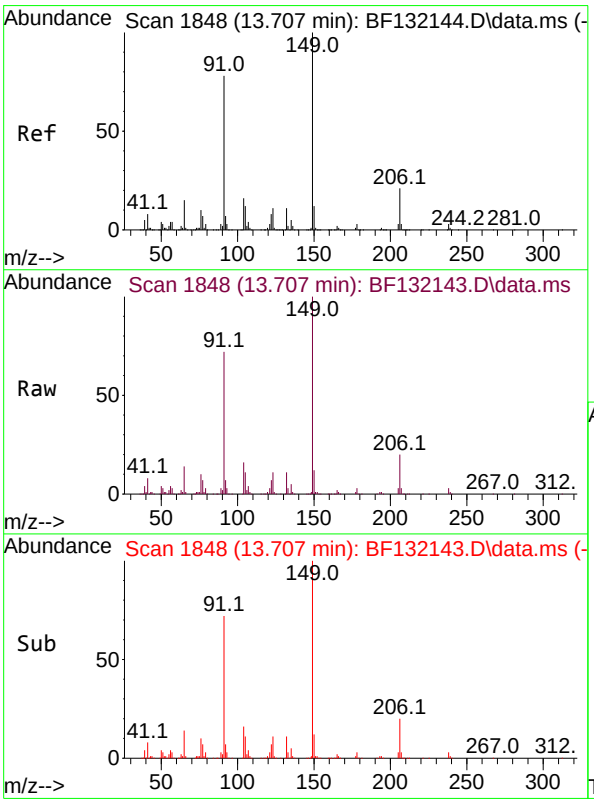
#79
Terphenyl-d14
Concen: 42.682 ng
RT: 13.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 937153

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.7	10.1
122	10.4	7.4	11.2

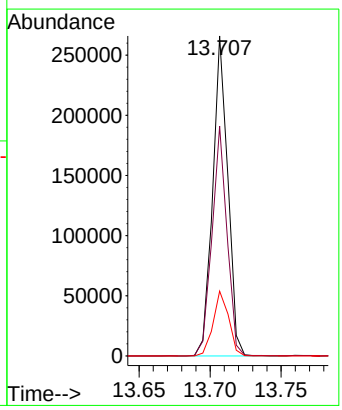


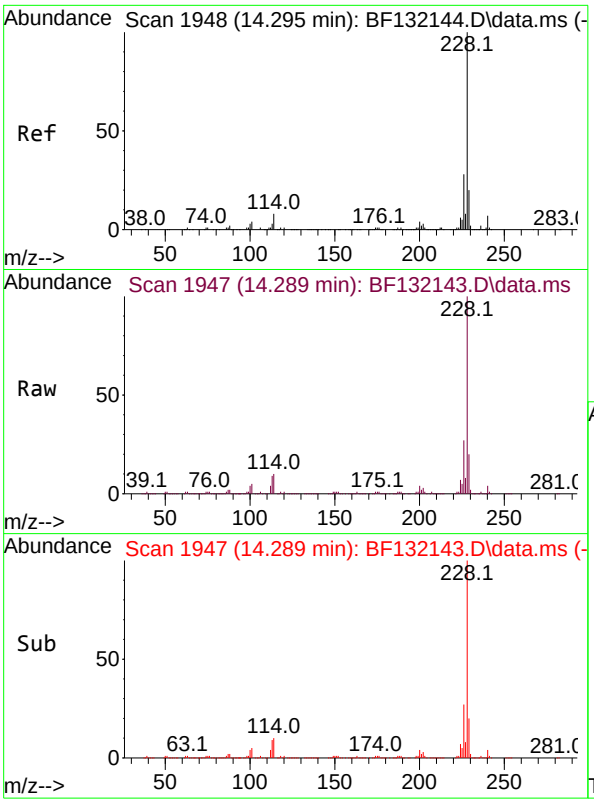


#80
Butylbenzylphthalate
Concen: 20.022 ng
RT: 13.707 min Scan# 1848
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:149 Resp: 196673

Ion	Ratio	Lower	Upper
149	100		
91	71.8	62.6	94.0
206	20.3	16.4	24.6



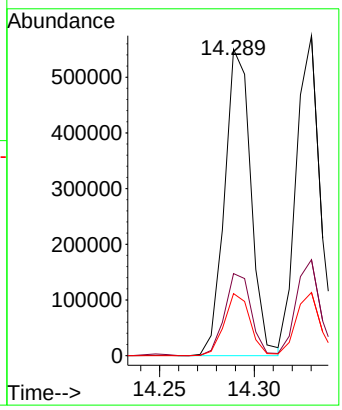


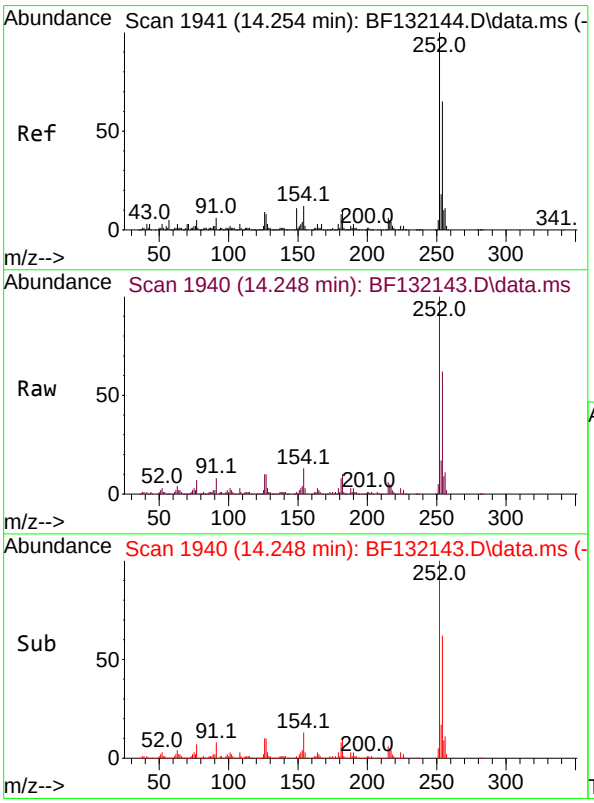
#81
Benzo(a)anthracene
Concen: 20.245 ng
RT: 14.289 min Scan# 19
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 531948

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.5	33.7
229	20.3	16.1	24.1

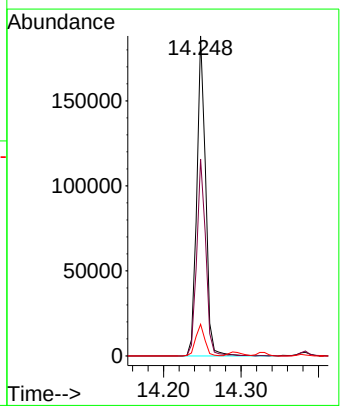


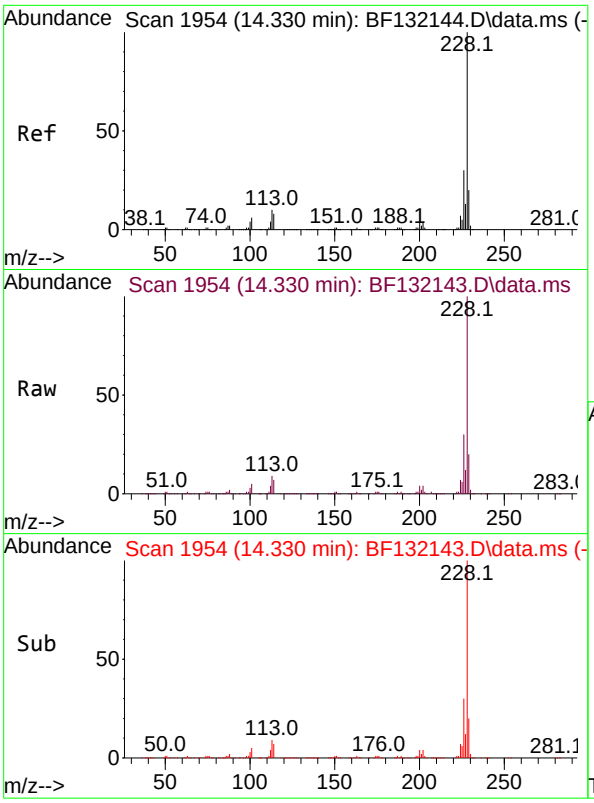


#82
3,3'-Dichlorobenzidine
Concen: 20.279 ng
RT: 14.248 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:252 Resp: 148391

Ion	Ratio	Lower	Upper
252	100		
254	61.5	52.4	78.6
126	9.9	7.0	10.6



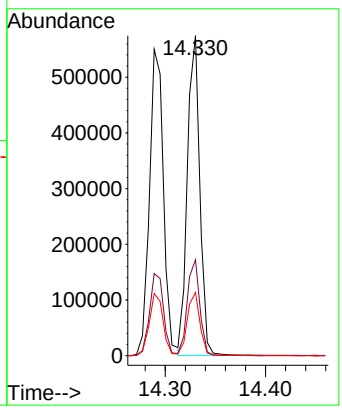


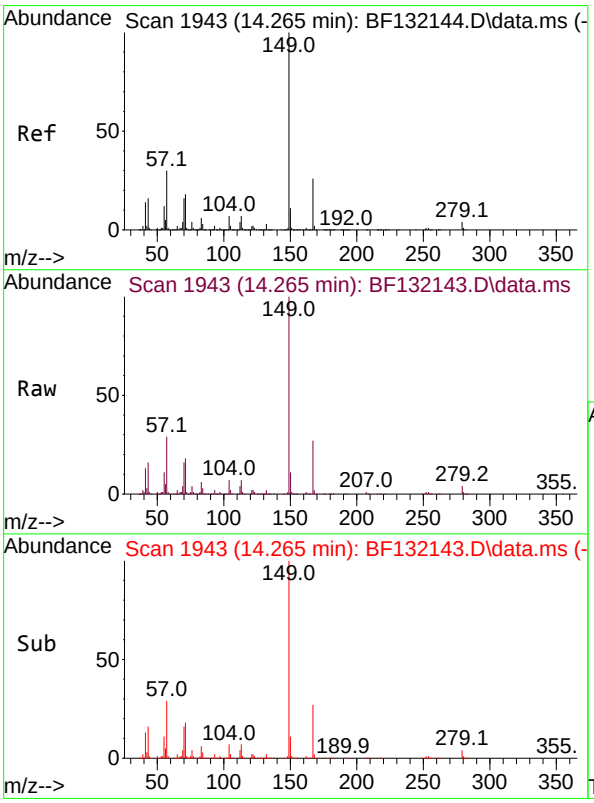
#83
Chrysene
Concen: 19.870 ng
RT: 14.330 min Scan# 19
Delta R.T. 0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 496952

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	19.7	15.8	23.6

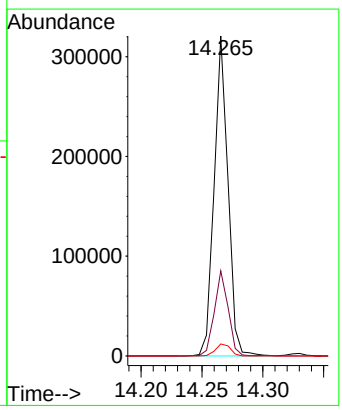


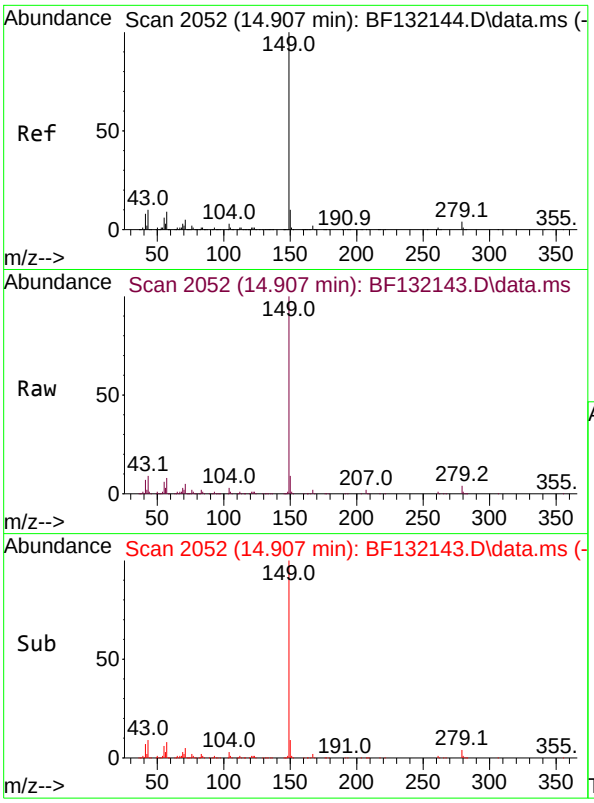


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.590 ng
RT: 14.265 min Scan# 1943
Delta R.T. 0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:149 Resp: 254101

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.0	31.6
279	3.7	3.2	4.8



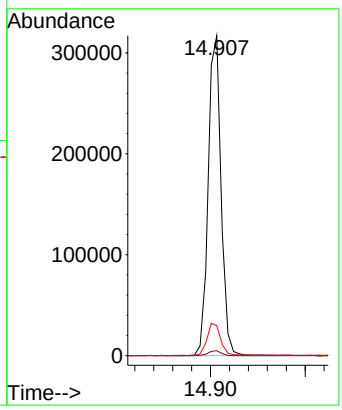


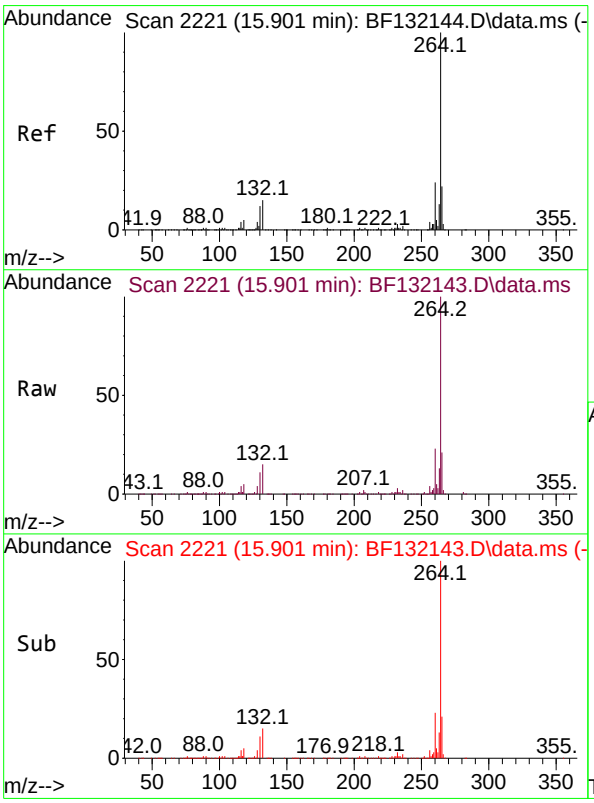
#85
Di-n-octyl phthalate
Concen: 15.074 ng
RT: 14.907 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 300157

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.1	8.4	12.6

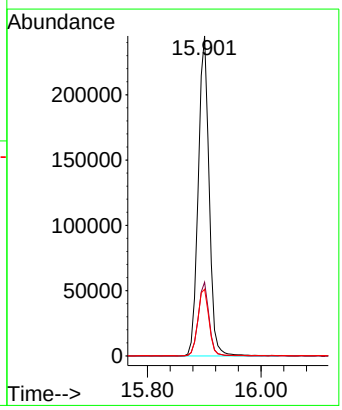


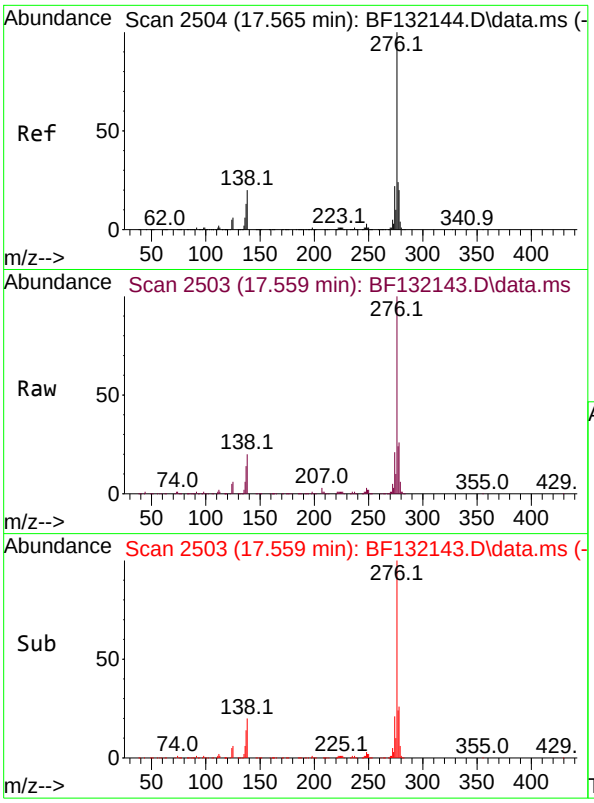


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.901 min Scan# 2221
Delta R.T. -0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:264 Resp: 323952

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.1	28.7
265	20.8	17.4	26.0



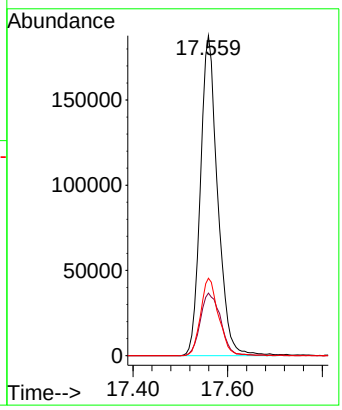


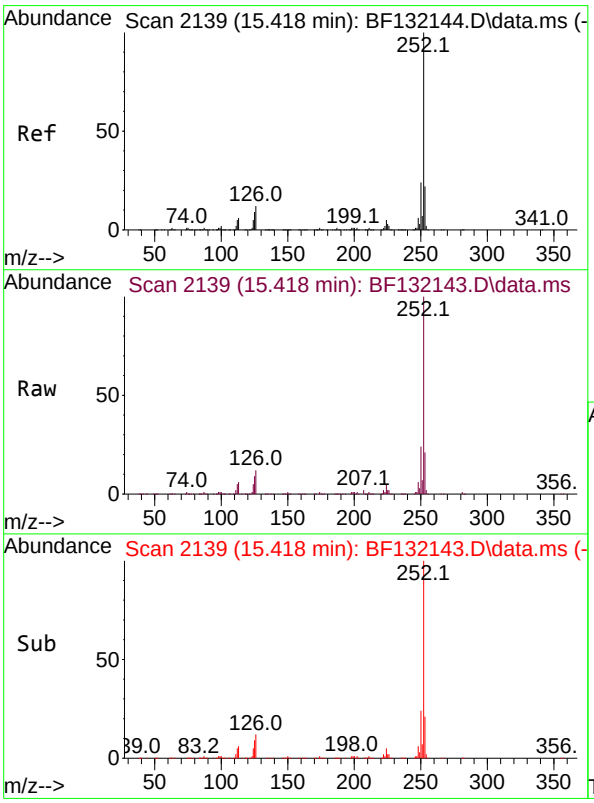
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.135 ng
RT: 17.559 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 473348

Ion	Ratio	Lower	Upper
276	100		
138	23.0	17.9	26.9
277	25.1	20.2	30.2

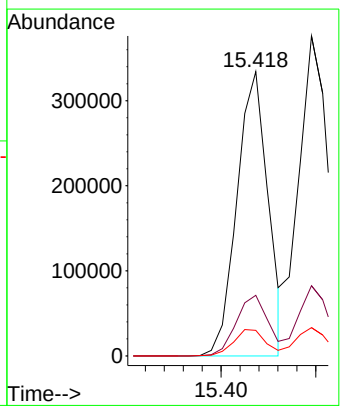


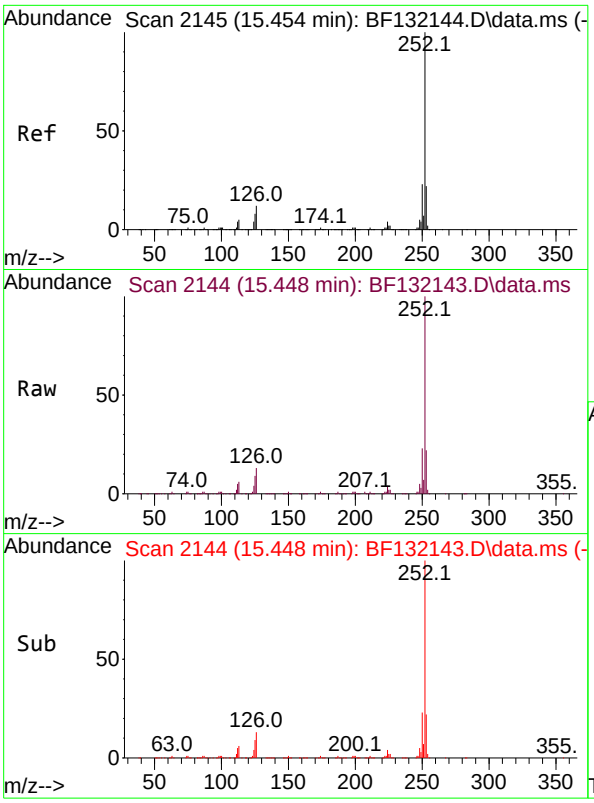


#88
Benzo(b)fluoranthene
Concen: 19.400 ng
RT: 15.418 min Scan# 2139
Delta R.T. 0.000 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:252 Resp: 382655

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.8	26.6
125	9.0	7.2	10.8



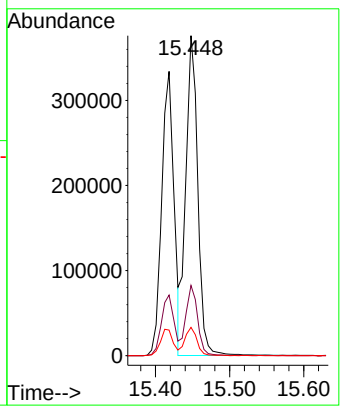


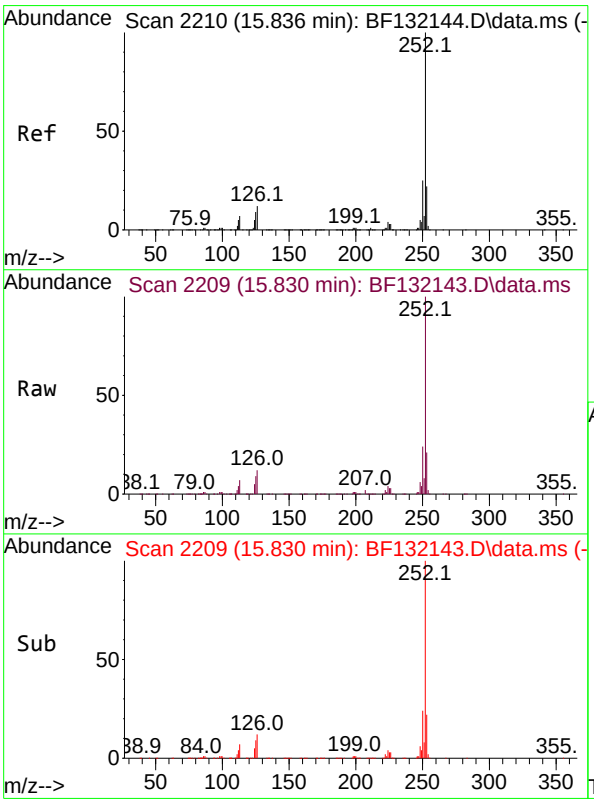
#89
Benzo(k)fluoranthene
Concen: 20.990 ng
RT: 15.448 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 422247

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	8.8	6.4	9.6

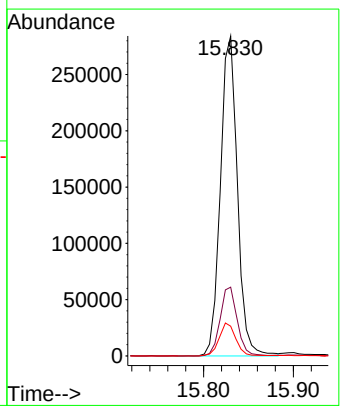


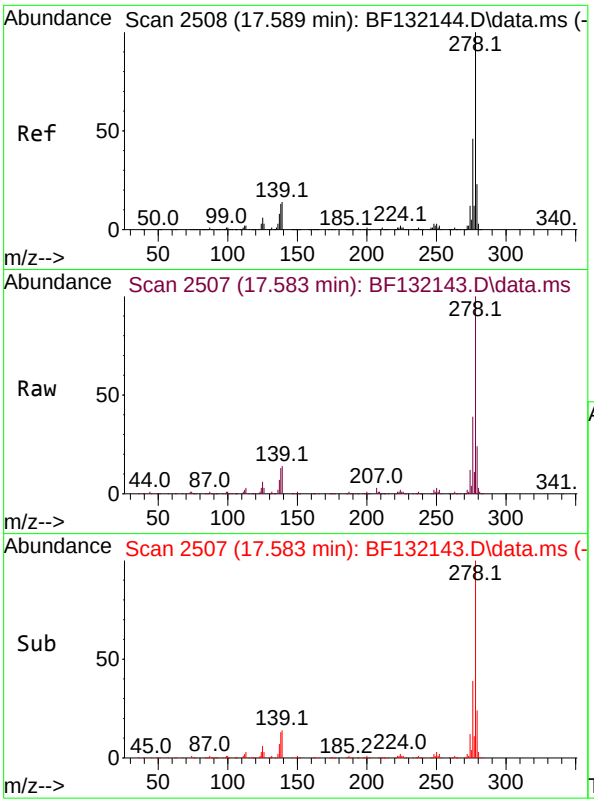


#90
Benzo(a)pyrene
Concen: 19.760 ng
RT: 15.830 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:252 Resp: 374919

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	9.3	7.3	10.9



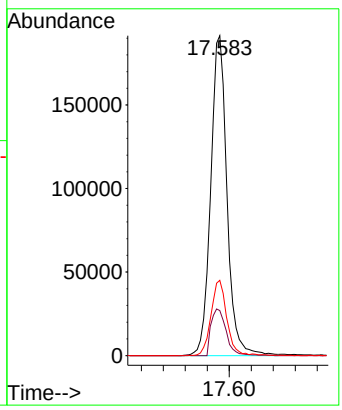


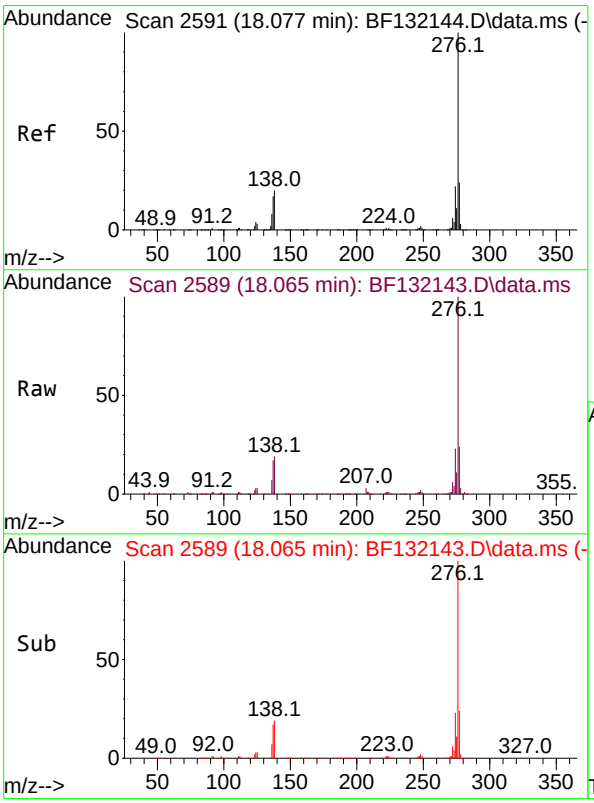
#91
Dibenzo(a,h)anthracene
Concen: 20.537 ng
RT: 17.583 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 393739

Ion	Ratio	Lower	Upper
278	100		
139	14.1	11.4	17.2
279	23.5	18.6	28.0

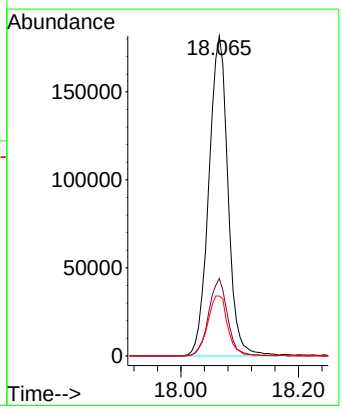




#92
Benzo(g,h,i)perylene
Concen: 20.346 ng
RT: 18.065 min Scan# 2589
Delta R.T. -0.012 min
Lab File: BF132143.D
Acq: 19 Jan 2023 12:59

Tgt Ion:276 Resp: 410458

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.9	28.3
138	18.7	15.7	23.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132144.D
Acq On : 19 Jan 2023 13:32
Operator : CG\JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 20 00:11:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.089	152	169947	20.000	ng	0.00
21) Naphthalene-d8	8.378	136	574298	20.000	ng	0.00
39) Acenaphthene-d10	10.142	164	299783	20.000	ng	0.00
64) Phenanthrene-d10	11.642	188	571110	20.000	ng	0.00
76) Chrysene-d12	14.307	240	311669	20.000	ng	0.00
86) Perylene-d12	15.901	264	321403	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.707	112	758471	77.963	ng	0.00
7) Phenol-d6	6.701	99	954609	77.950	ng	0.00
23) Nitrobenzene-d5	7.654	82	880688	81.464	ng	0.00
42) 2,4,6-Tribromophenol	10.936	330	265316	82.856	ng	0.00
45) 2-Fluorobiphenyl	9.454	172	1498425	78.225	ng	0.00
79) Terphenyl-d14	13.236	244	1442323	77.520	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.019	88	196981	39.966	ng	100
3) Pyridine	3.778	79	532677	40.260	ng	100
4) n-Nitrosodimethylamine	3.737	42	248242	39.894	ng	100
6) Aniline	6.754	93	658318	38.655	ng	100
8) 2-Chlorophenol	6.872	128	402247	39.335	ng	100
9) Benzaldehyde	6.642	77	306944	38.959	ng	100
10) Phenol	6.713	94	498859	39.129	ng	100
11) bis(2-Chloroethyl)ether	6.819	93	420156	38.930	ng	100
12) 1,3-Dichlorobenzene	7.031	146	446086	39.024	ng	100
13) 1,4-Dichlorobenzene	7.107	146	446695	39.162	ng	100
14) 1,2-Dichlorobenzene	7.266	146	407798	38.665	ng	100
15) Benzyl Alcohol	7.225	79	375920	39.591	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.360	45	617002	39.334	ng	100
17) 2-Methylphenol	7.325	107	354140	39.530	ng	100
18) Hexachloroethane	7.607	117	166087	40.564	ng	100
19) n-Nitroso-di-n-propyla...	7.495	70	287772	38.362	ng	100
20) 3+4-Methylphenols	7.484	107	447769	39.665	ng	100
22) Acetophenone	7.501	105	530480	38.431	ng	100
24) Nitrobenzene	7.672	77	466421	40.748	ng	100
25) Isophorone	7.907	82	825701	39.035	ng	100
26) 2-Nitrophenol	7.989	139	169914	42.583	ng	100
27) 2,4-Dimethylphenol	8.013	122	369954	40.420	ng	100
28) bis(2-Chloroethoxy)met...	8.119	93	494081	38.931	ng	100
29) 2,4-Dichlorophenol	8.225	162	354739	40.824	ng	100
30) 1,2,4-Trichlorobenzene	8.319	180	388596	39.372	ng	100
31) Naphthalene	8.401	128	1146683	38.878	ng	100
32) Benzoic acid	8.113	122	215433	40.096	ng	100
33) 4-Chloroaniline	8.442	127	501389	39.724	ng	100
34) Hexachlorobutadiene	8.513	225	260748	39.327	ng	100
35) Caprolactam	8.813	113	103837	42.217	ng	100
36) 4-Chloro-3-methylphenol	8.913	107	354572	40.548	ng	100
37) 2-Methylnaphthalene	9.095	142	785673	38.690	ng	100
38) 1-Methylnaphthalene	9.195	142	732441	38.764	ng	100
40) 1,2,4,5-Tetrachloroben...	9.260	216	410056	39.314	ng	100
41) Hexachlorocyclopentadiene	9.248	237	234059	41.122	ng	100
43) 2,4,6-Trichlorophenol	9.366	196	268487	41.476	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132144.D
Acq On : 19 Jan 2023 13:32
Operator : CG\JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 20 00:11:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.401	196	313420	41.399	ng	100
46) 1,1'-Biphenyl	9.560	154	921691	38.971	ng	100
47) 2-Chloronaphthalene	9.589	162	716342	39.181	ng	100
48) 2-Nitroaniline	9.678	65	228133	43.338	ng	100
49) Acenaphthylene	10.007	152	1146101	39.186	ng	100
50) Dimethylphthalate	9.854	163	860394	39.627	ng	100
51) 2,6-Dinitrotoluene	9.919	165	180288	42.841	ng	100
52) Acenaphthene	10.178	154	684074	38.885	ng	100
53) 3-Nitroaniline	10.089	138	192978	42.890	ng	100
54) 2,4-Dinitrophenol	10.189	184	66408	39.070	ng	100
55) Dibenzofuran	10.354	168	1061594	39.048	ng	100
56) 4-Nitrophenol	10.230	139	138964	42.437	ng	100
57) 2,4-Dinitrotoluene	10.319	165	212688	42.104	ng	100
58) Fluorene	10.695	166	768665	38.157	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.460	232	243020	42.198	ng	100
60) Diethylphthalate	10.560	149	853449	40.084	ng	100
61) 4-Chlorophenyl-phenyle...	10.683	204	422248	39.143	ng	100
62) 4-Nitroaniline	10.707	138	168856	40.310	ng	100
63) Azobenzene	10.848	77	839858	39.303	ng	100
65) 4,6-Dinitro-2-methylph...	10.730	198	96569	39.000	ng	100
66) n-Nitrosodiphenylamine	10.801	169	701625	38.360	ng	100
67) 4-Bromophenyl-phenylether	11.177	248	270734	38.892	ng	100
68) Hexachlorobenzene	11.248	284	268855	38.861	ng	100
69) Atrazine	11.325	200	225347	39.933	ng	100
70) Pentachlorophenol	11.436	266	185189	41.654	ng	100
71) Phenanthrene	11.666	178	1139286	38.013	ng	100
72) Anthracene	11.719	178	1150507	37.945	ng	100
73) Carbazole	11.872	167	988127	38.153	ng	100
74) Di-n-butylphthalate	12.195	149	1131265	39.237	ng	100
75) Fluoranthene	12.866	202	1151764	37.412	ng	100
77) Benzidine	12.983	184	425104	45.428	ng	100
78) Pyrene	13.101	202	1151402	40.086	ng	100
80) Butylbenzylphthalate	13.707	149	362674	43.571	ng	100
81) Benzo(a)anthracene	14.295	228	874477	39.275	ng	100
82) 3,3'-Dichlorobenzidine	14.254	252	263165	42.440	ng	100
83) Chrysene	14.330	228	829789	39.153	ng	100
84) Bis(2-ethylhexyl)phtha...	14.265	149	478672	43.550	ng	100
85) Di-n-octyl phthalate	14.907	149	681099	40.365	ng	100
87) Indeno(1,2,3-cd)pyrene	17.565	276	1014980	43.516	ng	100
88) Benzo(b)fluoranthene	15.418	252	790849	40.413	ng	100
89) Benzo(k)fluoranthene	15.454	252	778274	38.996	ng	100
90) Benzo(a)pyrene	15.836	252	768300	40.813	ng	100
91) Dibenzo(a,h)anthracene	17.589	278	831784	43.729	ng	100
92) Benzo(g,h,i)perylene	18.077	276	870045	43.468	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

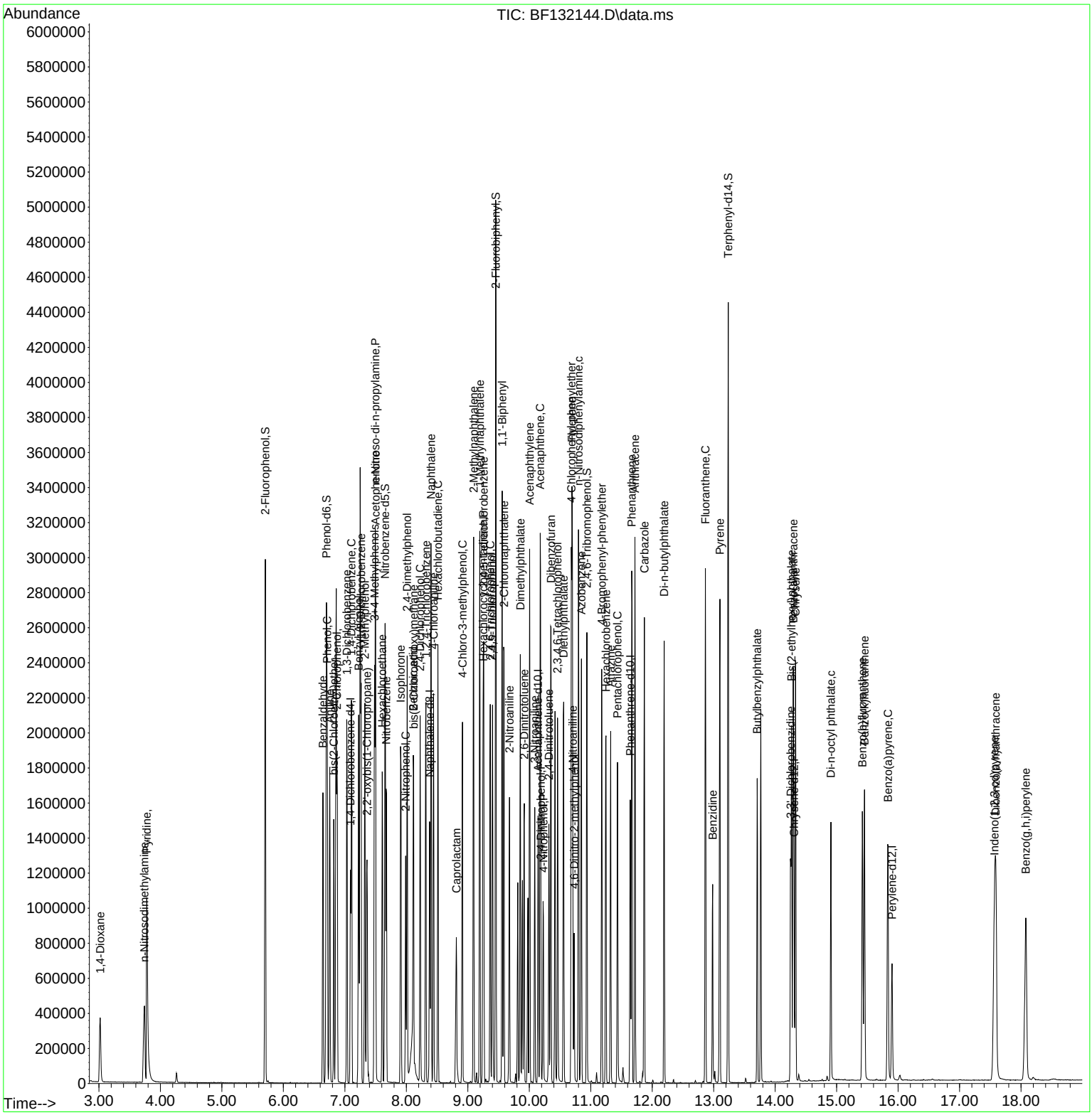
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132144.D
Acq On : 19 Jan 2023 13:32
Operator : CG\JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

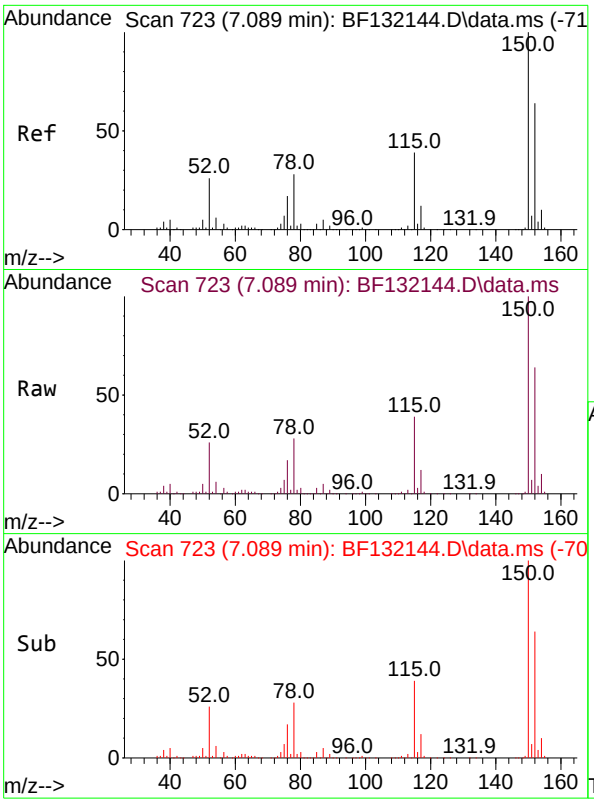
Quant Time: Jan 20 00:11:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

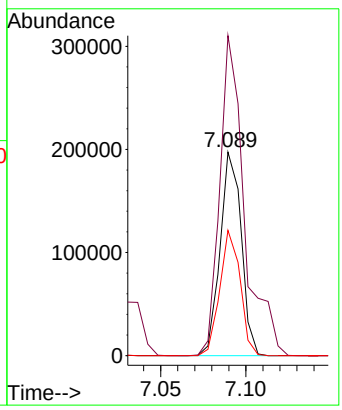




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.089 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:152 Resp: 16994

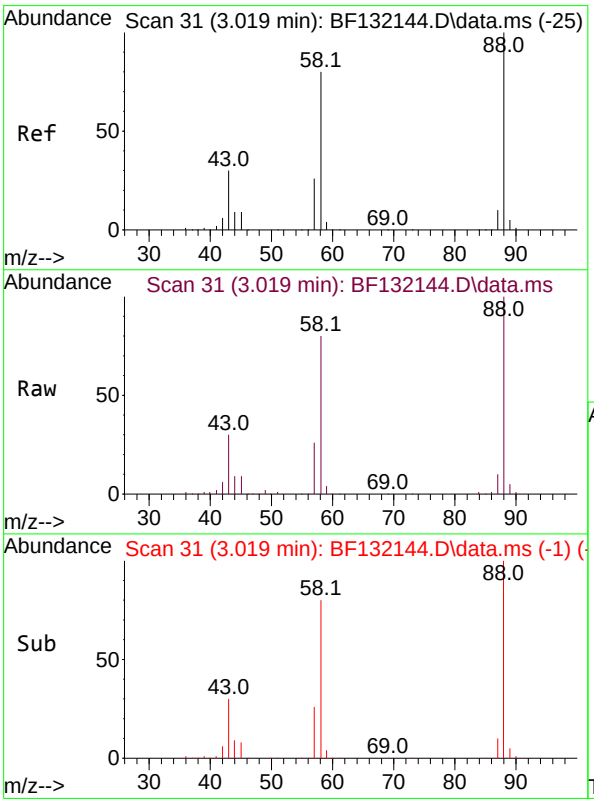
Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.8	188.8
115	61.5	49.2	73.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

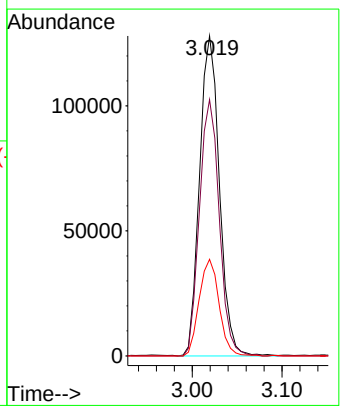
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

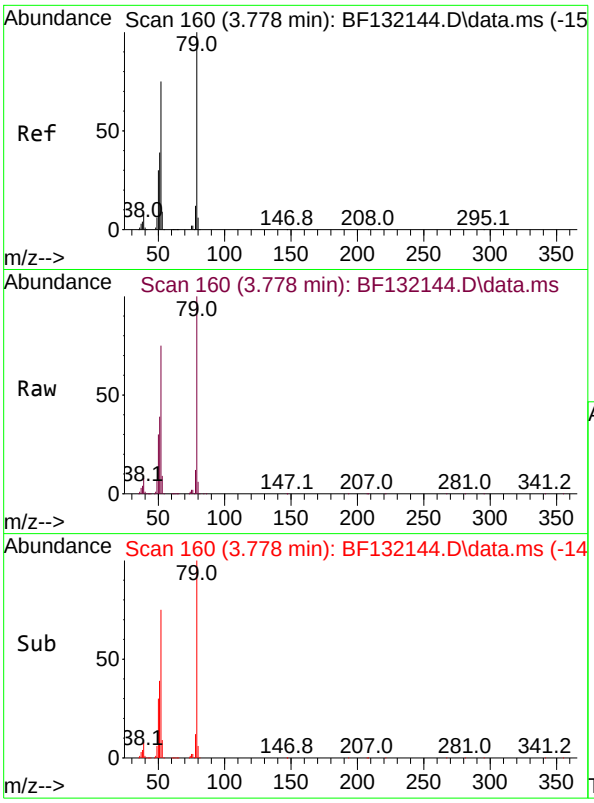


#2
1,4-Dioxane
Concen: 39.966 ng
RT: 3.019 min Scan# 31
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion: 88 Resp: 196981

Ion	Ratio	Lower	Upper
88	100		
58	80.0	64.0	96.0
43	30.3	24.2	36.4

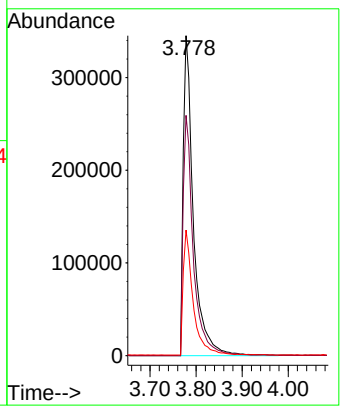




#3
Pyridine
Concen: 40.260 ng
RT: 3.778 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion: 79 Resp: 53267

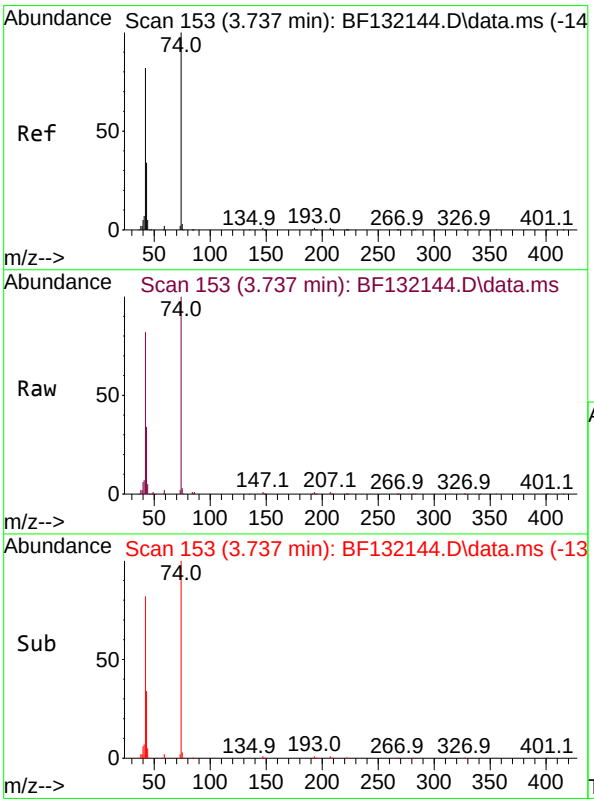
Ion	Ratio	Lower	Upper
79	100		
52	75.1	60.1	90.1
51	39.2	31.4	47.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

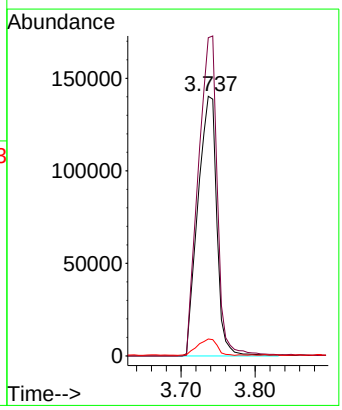
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

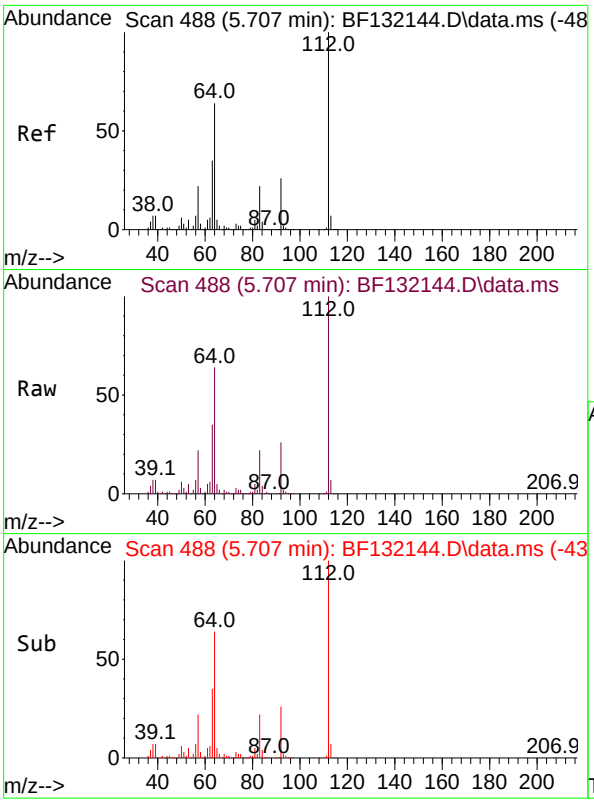


#4
n-Nitrosodimethylamine
Concen: 39.894 ng
RT: 3.737 min Scan# 153
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion: 42 Resp: 248242

Ion	Ratio	Lower	Upper
42	100		
74	122.6	98.1	147.1
44	6.5	5.2	7.8

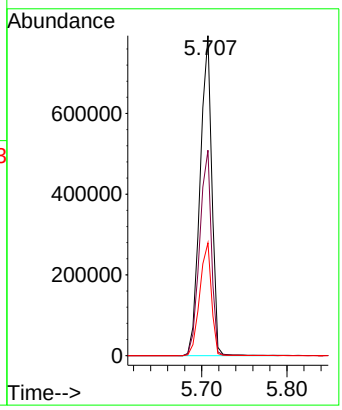




#5
2-Fluorophenol
Concen: 77.963 ng
RT: 5.707 min Scan# 48
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:112 Resp: 75847

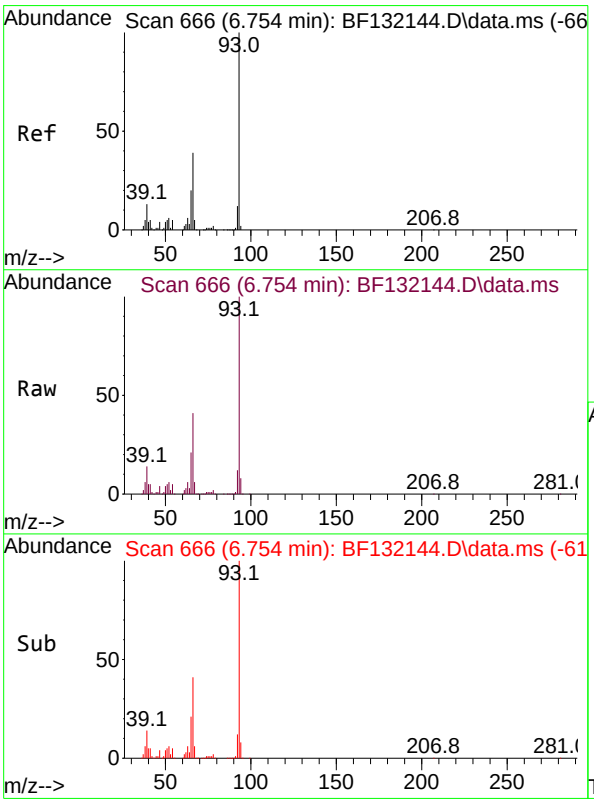
Ion	Ratio	Lower	Upper
112	100		
64	64.2	51.4	77.0
63	35.2	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

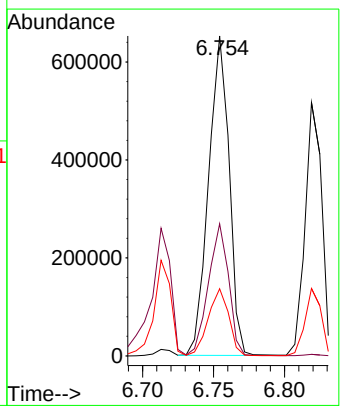
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

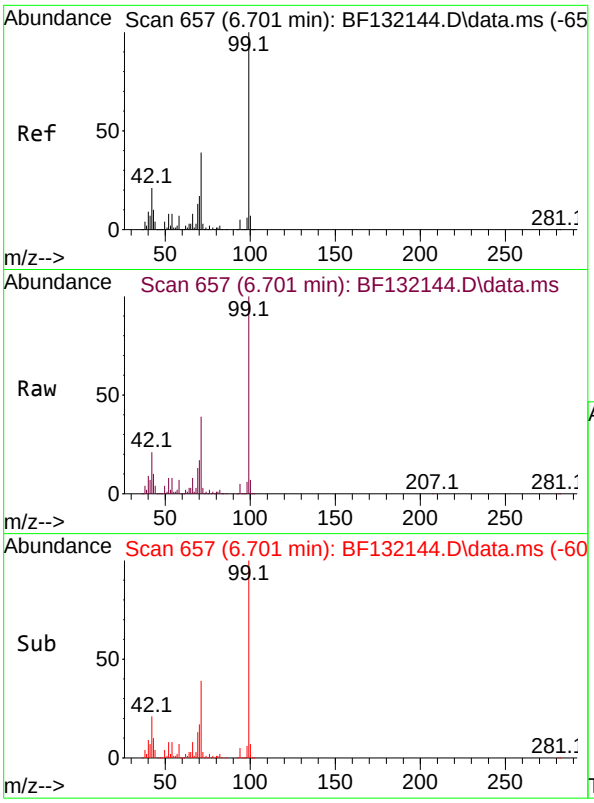


#6
Aniline
Concen: 38.655 ng
RT: 6.754 min Scan# 666
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion: 93 Resp: 658318

Ion	Ratio	Lower	Upper
93	100		
66	41.3	33.0	49.6
65	21.0	16.8	25.2





#7
Phenol-d6
Concen: 77.950 ng
RT: 6.701 min Scan# 6
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

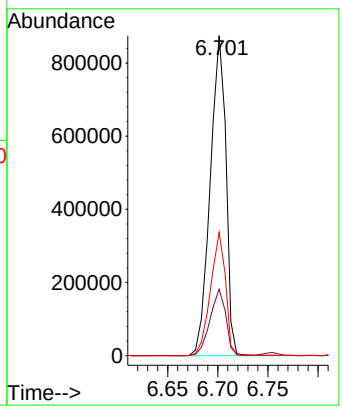
Tgt Ion: 99 Resp: 954609

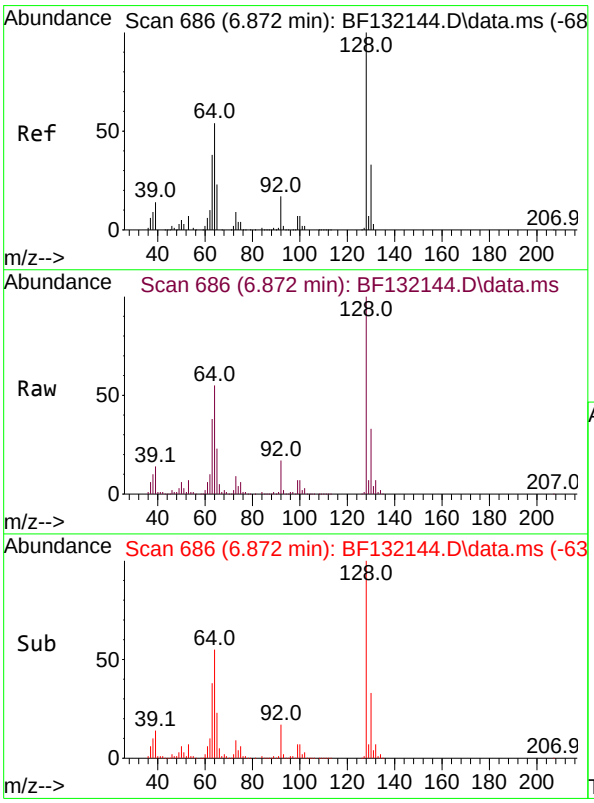
Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.6	24.8
71	38.5	30.8	46.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

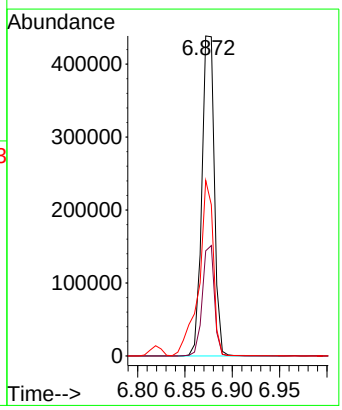


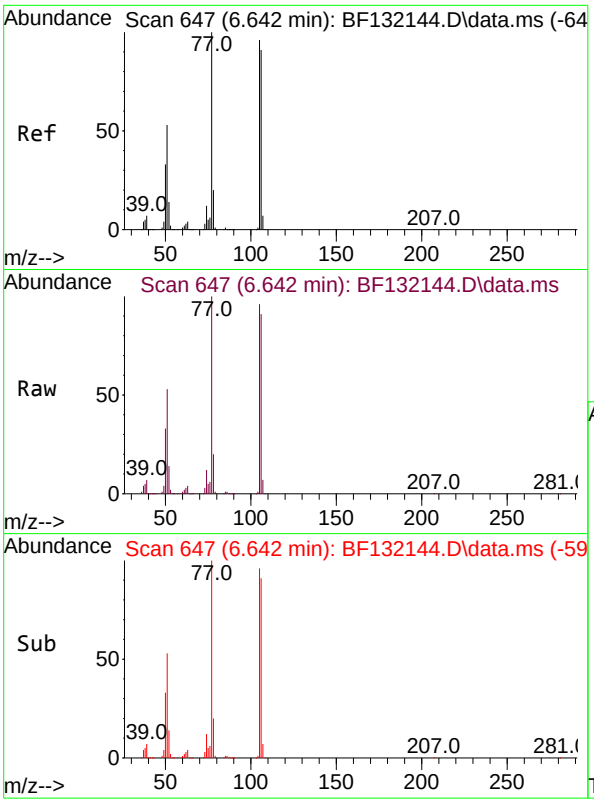


#8
2-Chlorophenol
Concen: 39.335 ng
RT: 6.872 min Scan# 686
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:128 Resp: 402247

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.8	52.8
64	54.8	34.8	74.8

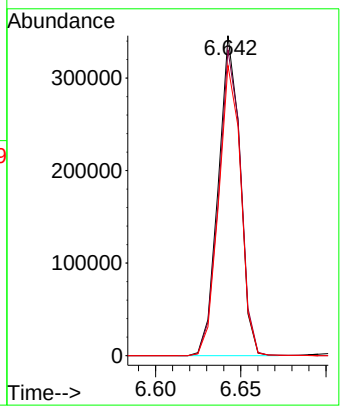




#9
Benzaldehyde
Concen: 38.959 ng
RT: 6.642 min Scan# 64
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion: 77 Resp: 306944

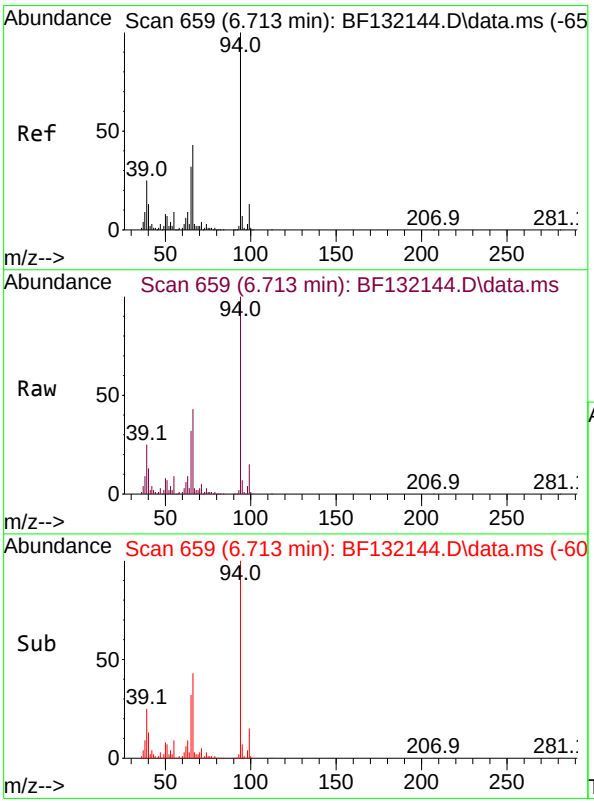
Ion	Ratio	Lower	Upper
77	100		
105	95.5	75.5	115.5
106	90.7	70.7	110.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

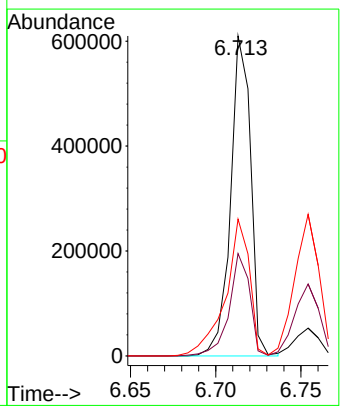
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

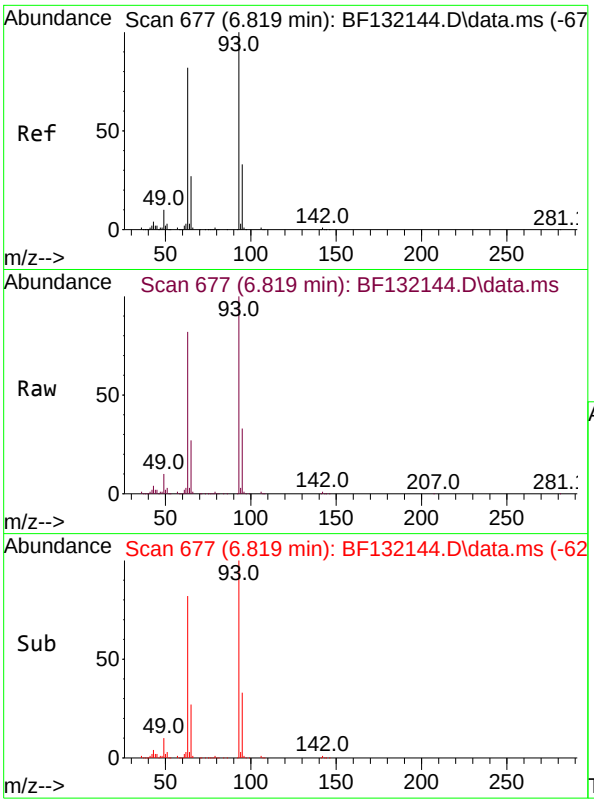


#10
Phenol
Concen: 39.129 ng
RT: 6.713 min Scan# 659
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion: 94 Resp: 498859

Ion	Ratio	Lower	Upper
94	100		
65	32.0	12.0	52.0
66	42.7	22.7	62.7

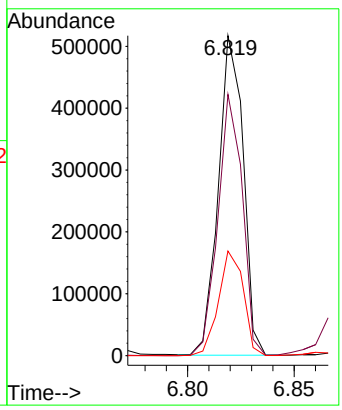




#11
bis(2-Chloroethyl)ether
Concen: 38.930 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion: 93 Resp: 42015

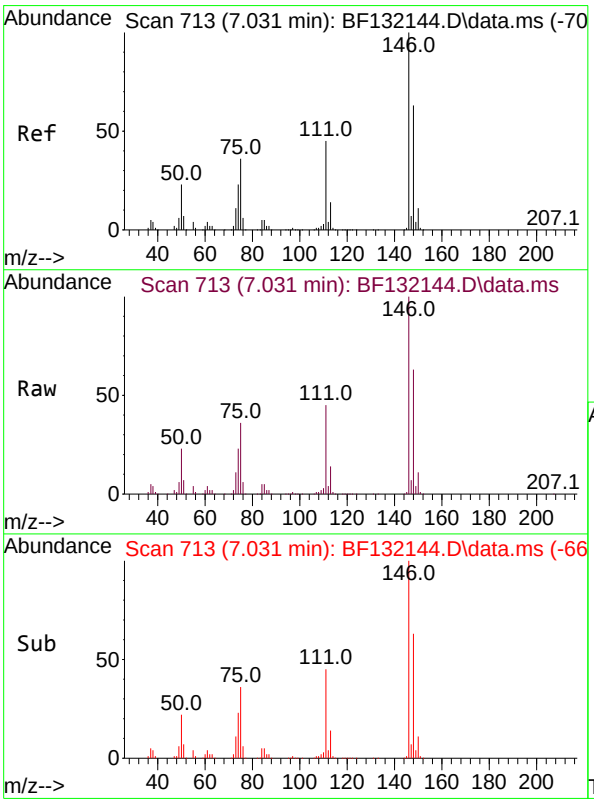
Ion	Ratio	Lower	Upper
93	100		
63	81.6	61.6	101.6
95	32.7	12.7	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

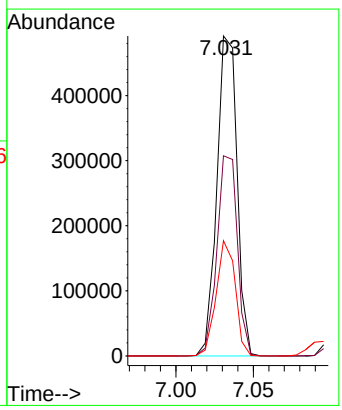
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

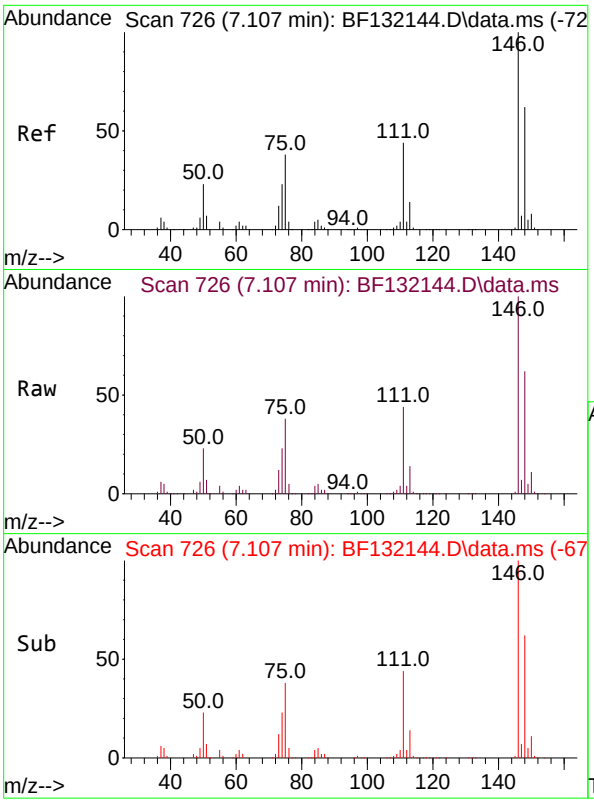


#12
1,3-Dichlorobenzene
Concen: 39.024 ng
RT: 7.031 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:146 Resp: 446086

Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.0	75.0
75	36.0	28.8	43.2

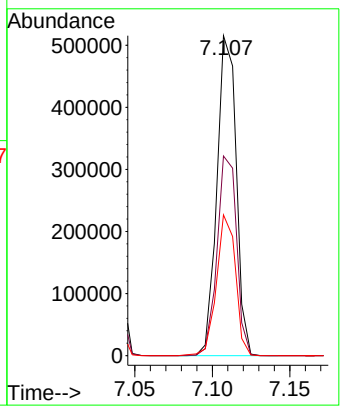




#13
1,4-Dichlorobenzene
Concen: 39.162 ng
RT: 7.107 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:146 Resp: 44669

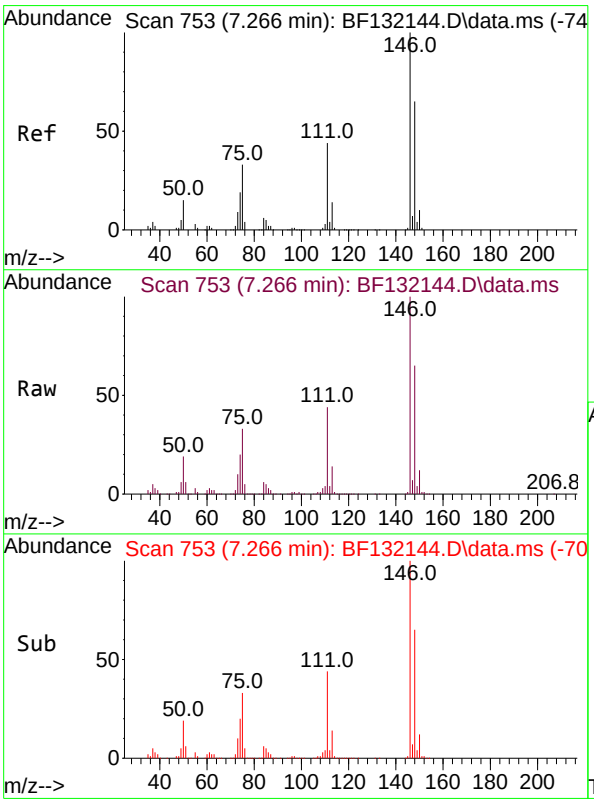
Ion	Ratio	Lower	Upper
146	100		
148	62.4	49.9	74.9
111	44.0	35.2	52.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

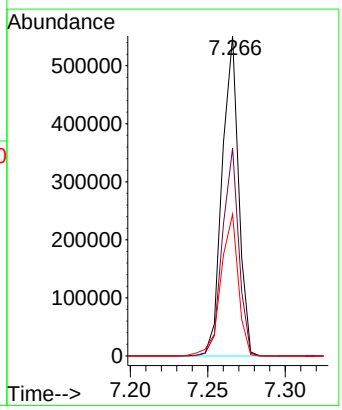
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

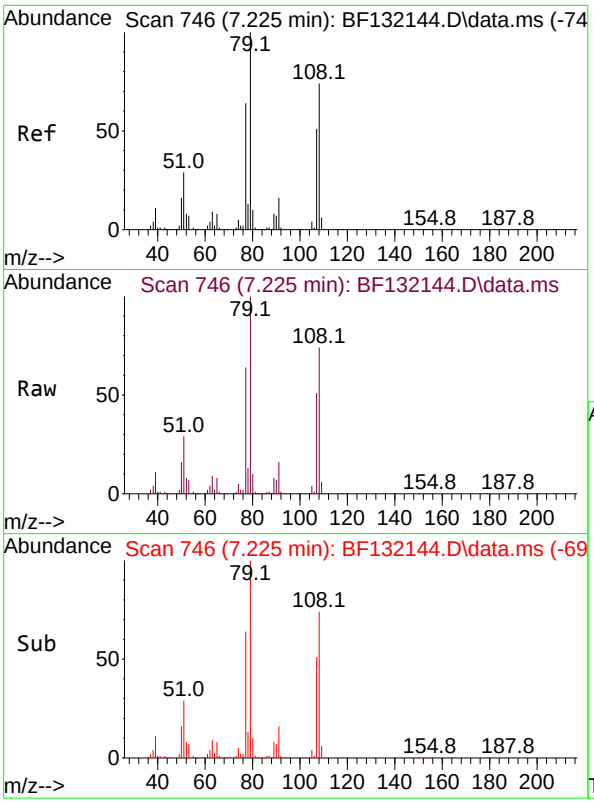


#14
1,2-Dichlorobenzene
Concen: 38.665 ng
RT: 7.266 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:146 Resp: 407798

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.0	78.0
111	44.3	35.4	53.2





#15
Benzyl Alcohol
Concen: 39.591 ng
RT: 7.225 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

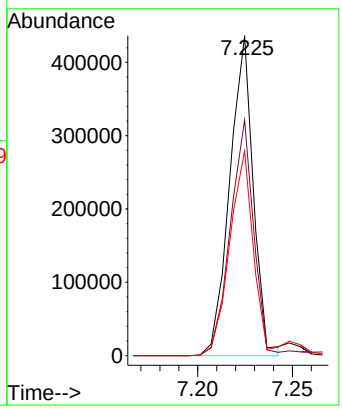
Tgt Ion: 79 Resp: 37592

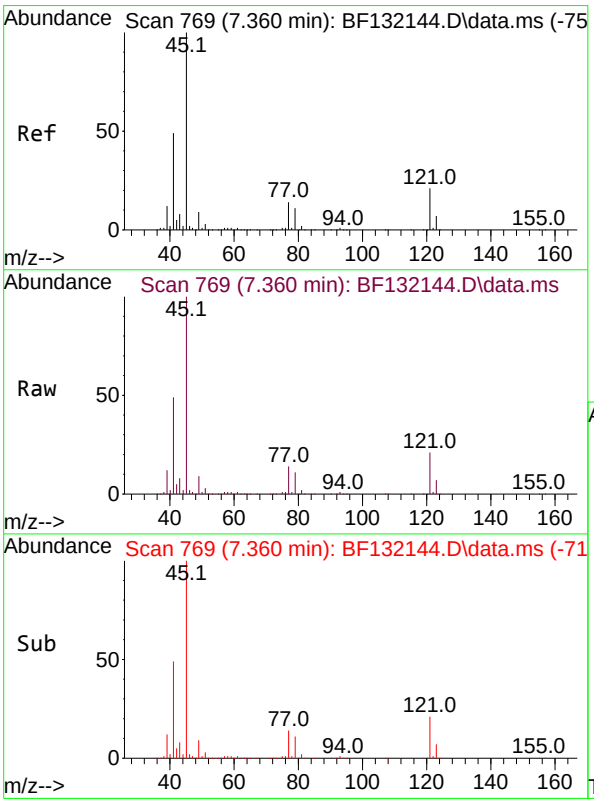
Ion	Ratio	Lower	Upper
79	100		
108	73.6	58.9	88.3
77	63.9	51.1	76.7

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

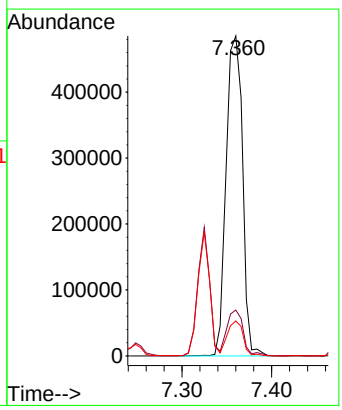


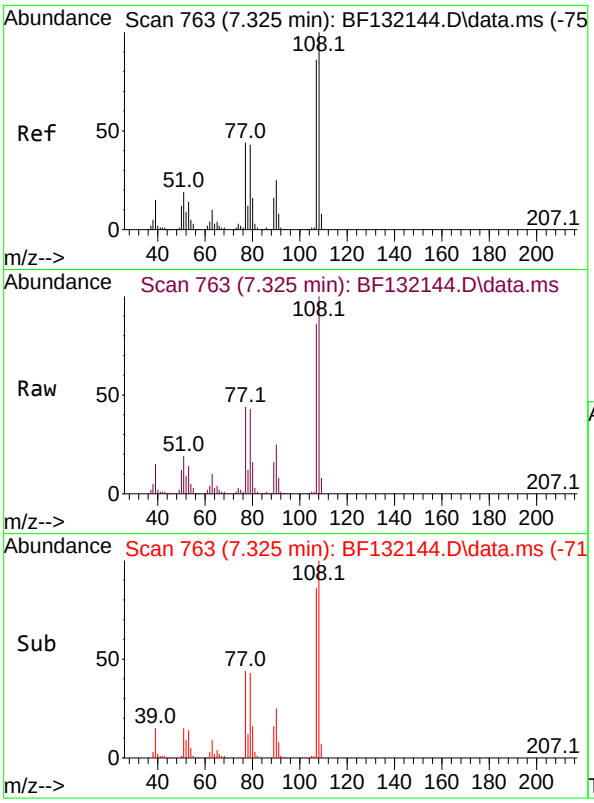


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.334 ng
RT: 7.360 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion: 45 Resp: 617002

Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	34.3
79	10.9	0.0	30.9

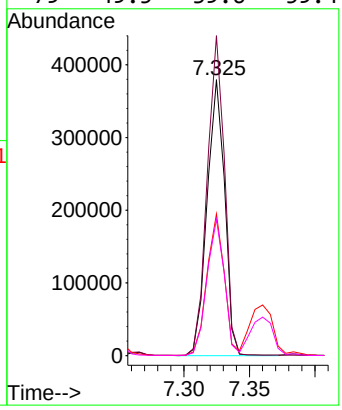




#17
2-Methylphenol
Concen: 39.530 ng
RT: 7.325 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:107 Resp: 35414

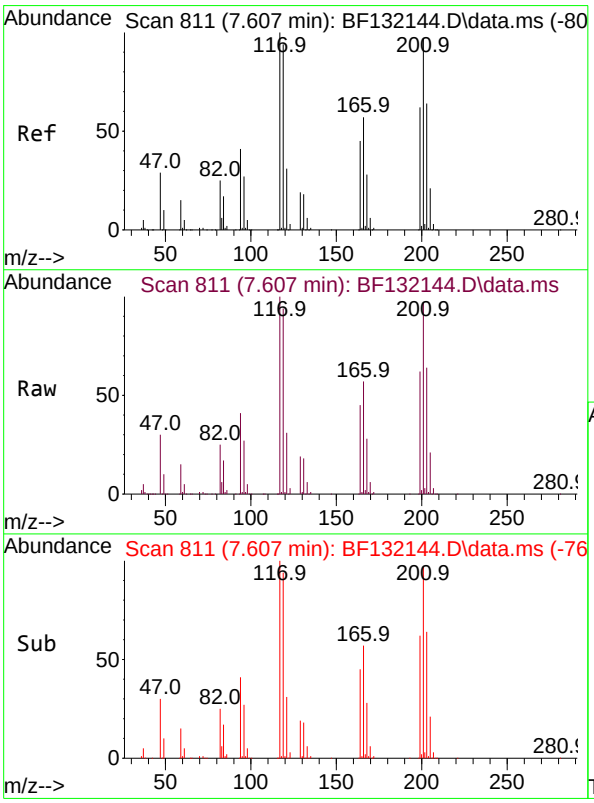
Ion	Ratio	Lower	Upper
107	100		
108	116.0	92.8	139.2
77	51.4	41.1	61.7
79	49.5	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

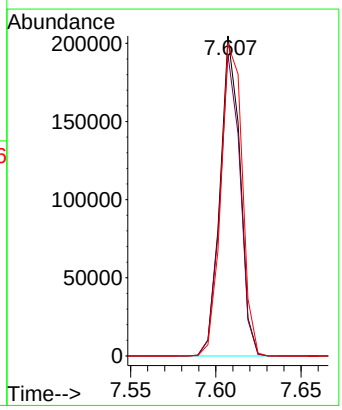
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

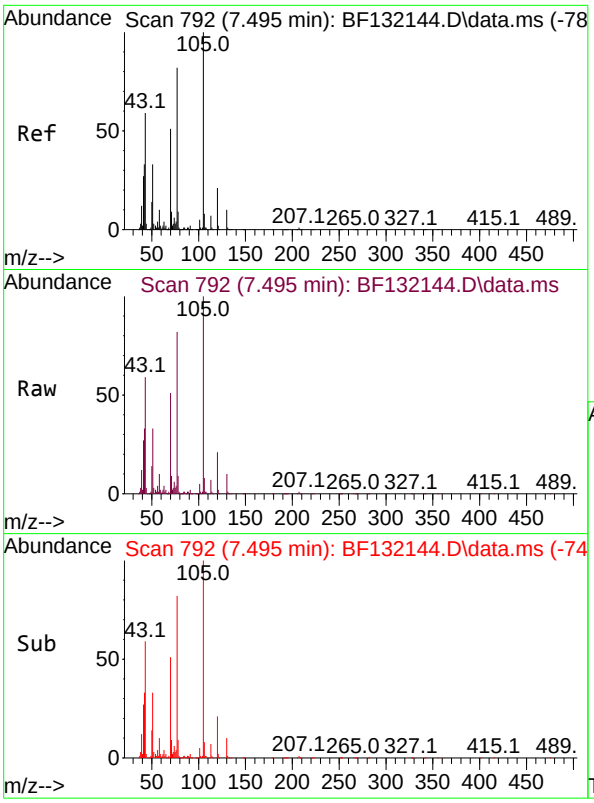


#18
Hexachloroethane
Concen: 40.564 ng
RT: 7.607 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:117 Resp: 166087

Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.4	113.0
201	97.4	77.9	116.9

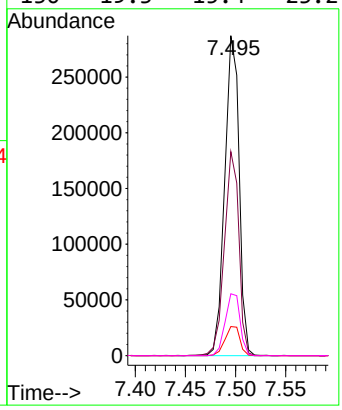




#19
n-Nitroso-di-n-propylamine
Concen: 38.362 ng
RT: 7.495 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion: 70 Resp: 28777

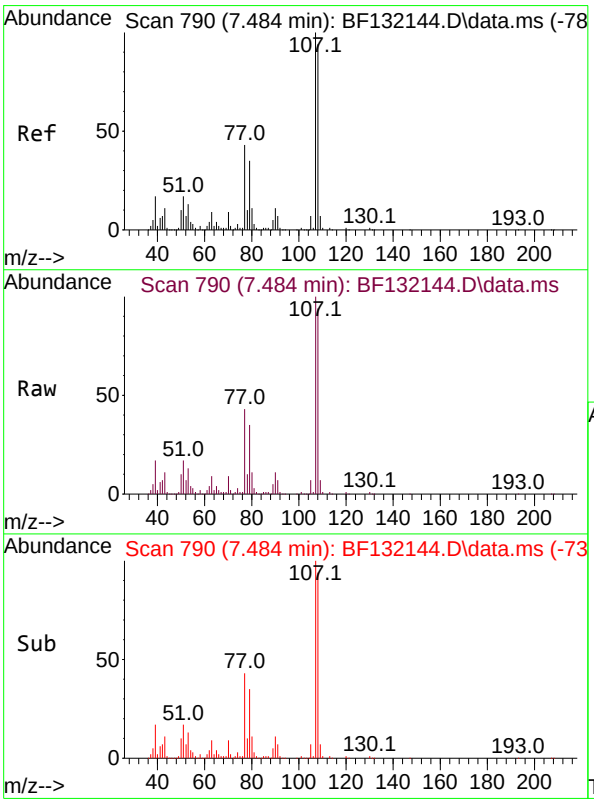
Ion	Ratio	Lower	Upper
70	100		
42	63.7	51.0	76.4
101	9.1	7.3	10.9
130	19.3	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

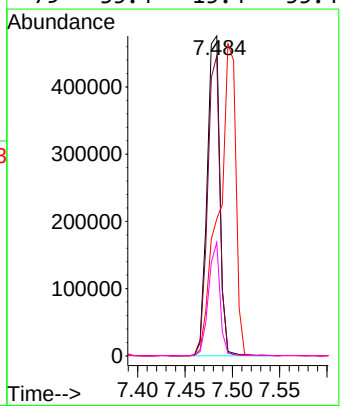
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

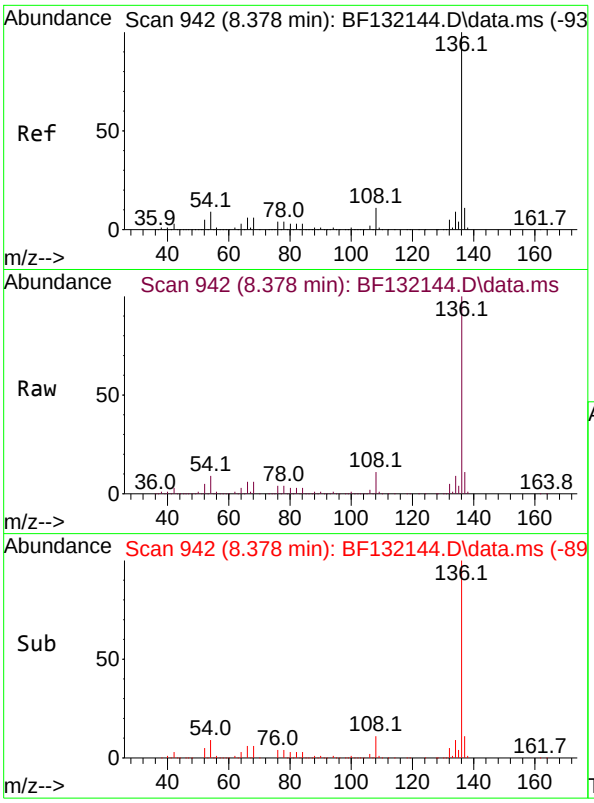


#20
3+4-Methylphenols
Concen: 39.665 ng
RT: 7.484 min Scan# 790
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:107 Resp: 447769

Ion	Ratio	Lower	Upper
107	100		
108	93.8	73.8	113.8
77	42.8	22.8	62.8
79	35.4	15.4	55.4

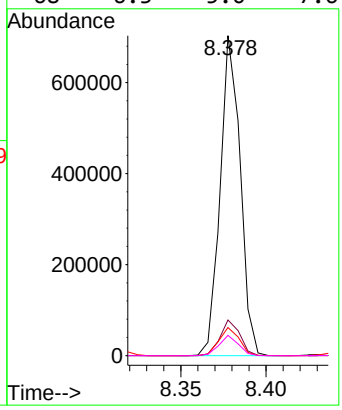




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.378 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:136 Resp: 574298

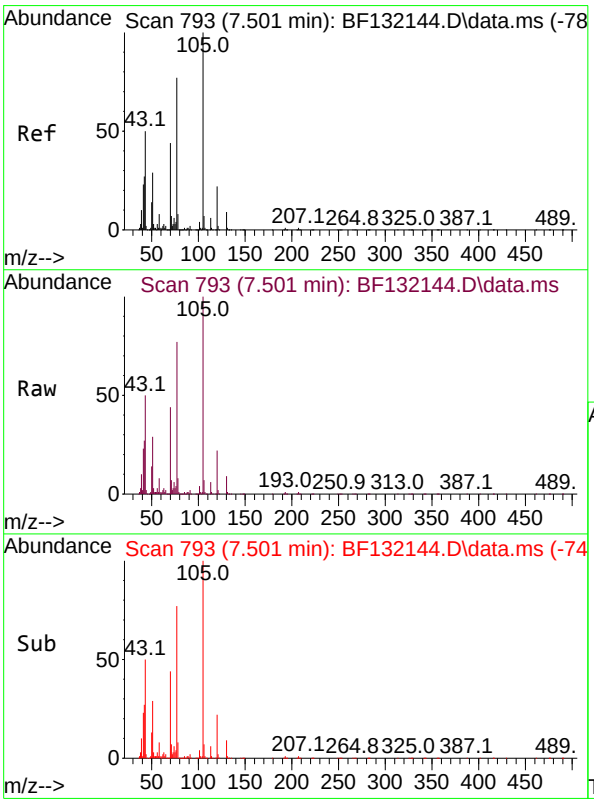
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	7.0	10.6
68	6.3	5.0	7.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

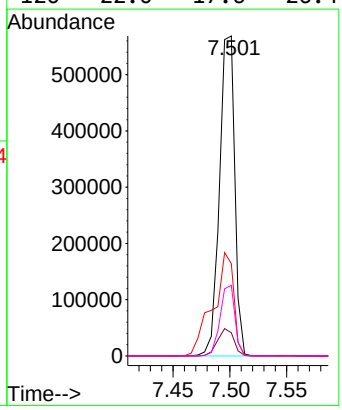
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

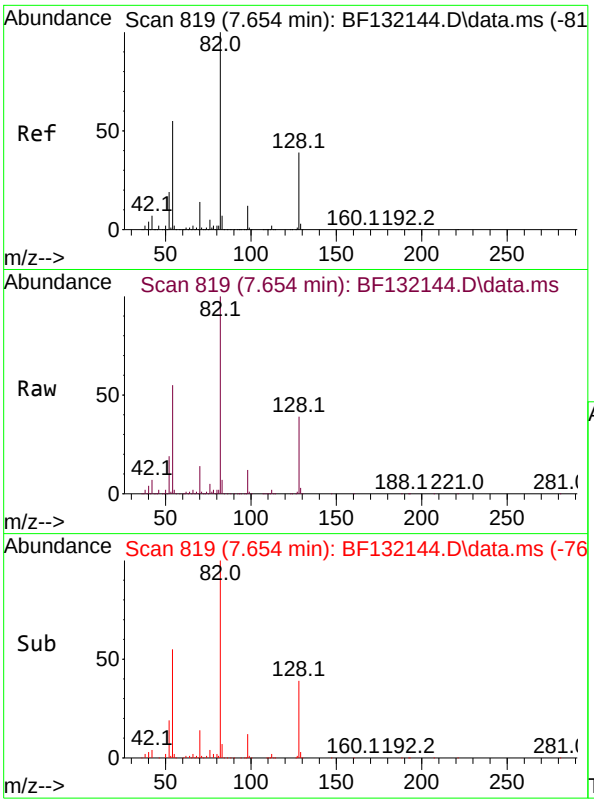


#22
Acetophenone
Concen: 38.431 ng
RT: 7.501 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:105 Resp: 530480

Ion	Ratio	Lower	Upper
105	100		
71	7.2	5.8	8.6
51	28.8	23.0	34.6
120	22.0	17.6	26.4

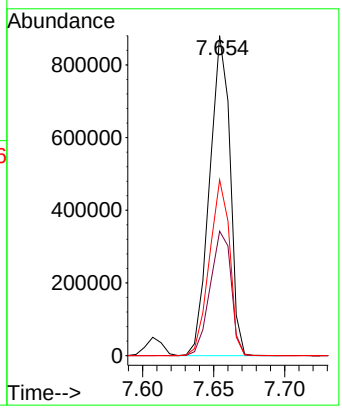




#23
Nitrobenzene-d5
Concen: 81.464 ng
RT: 7.654 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion: 82 Resp: 880688

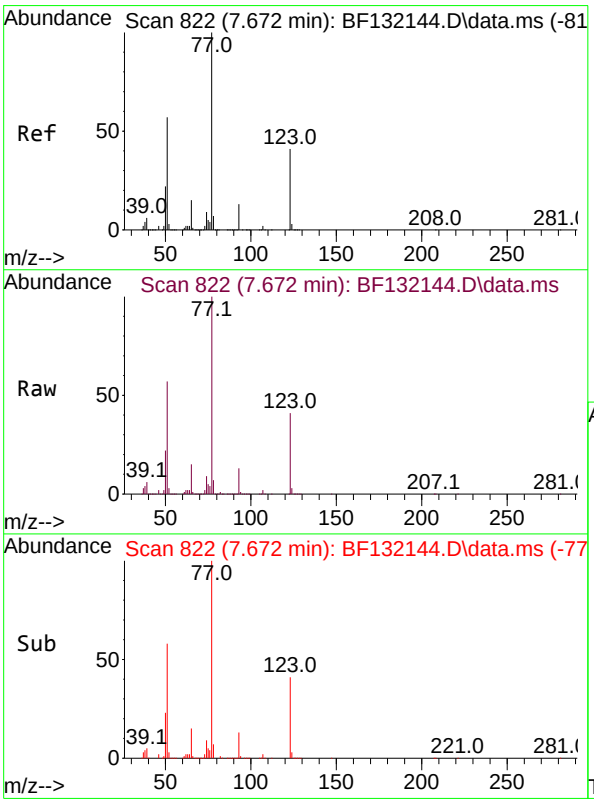
Ion	Ratio	Lower	Upper
82	100		
128	38.9	31.1	46.7
54	54.9	43.9	65.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

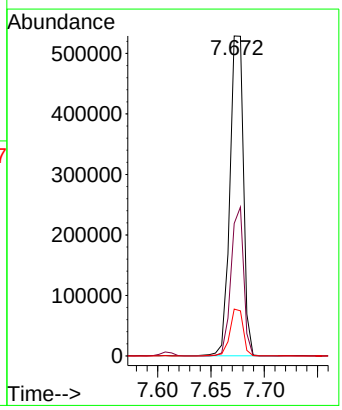
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

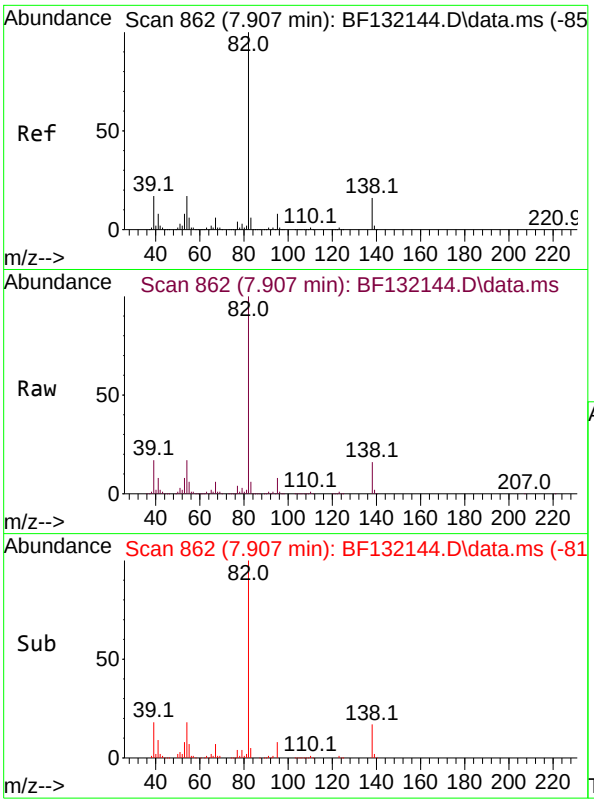


#24
Nitrobenzene
Concen: 40.748 ng
RT: 7.672 min Scan# 822
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion: 77 Resp: 466421

Ion	Ratio	Lower	Upper
77	100		
123	41.4	33.1	49.7
65	14.6	11.7	17.5

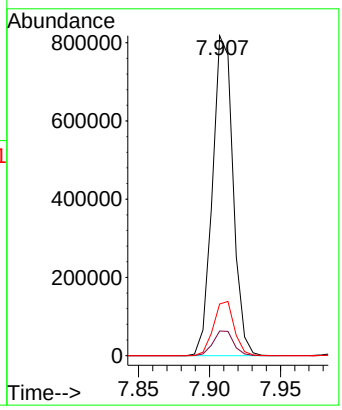




#25
Isophorone
Concen: 39.035 ng
RT: 7.907 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion: 82 Resp: 82570

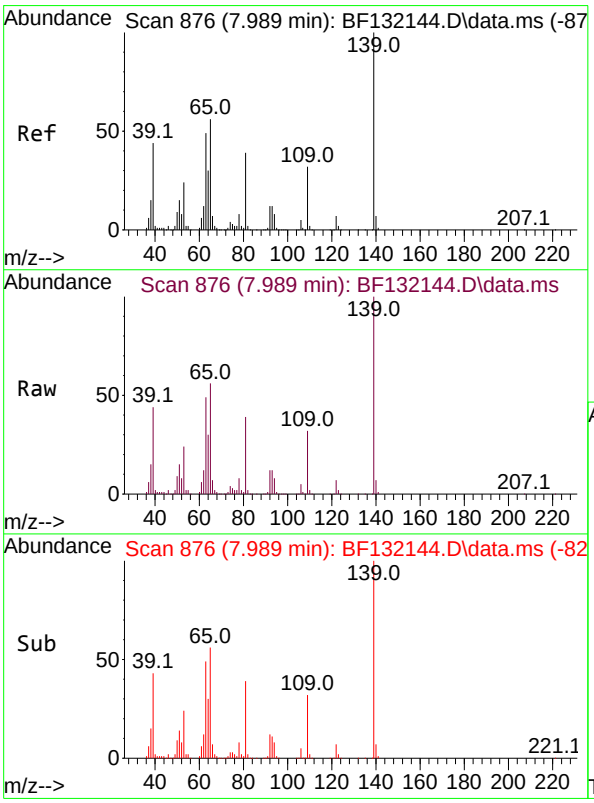
Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.2	9.2
138	16.1	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

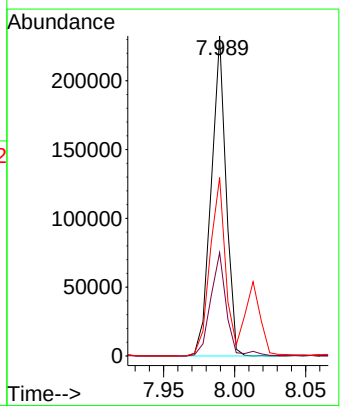
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

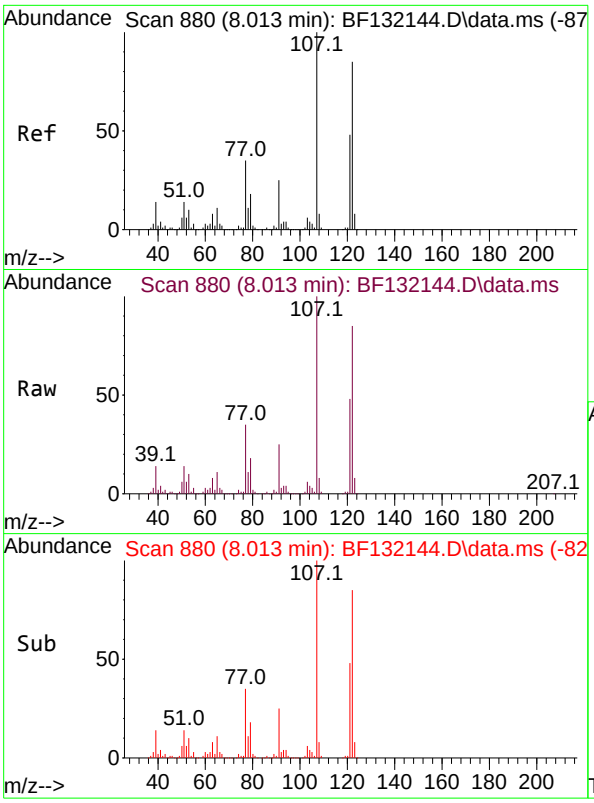


#26
2-Nitrophenol
Concen: 42.583 ng
RT: 7.989 min Scan# 876
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:139 Resp: 169914

Ion	Ratio	Lower	Upper
139	100		
109	32.3	25.8	38.8
65	55.7	44.6	66.8





#27
2,4-Dimethylphenol
Concen: 40.420 ng
RT: 8.013 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

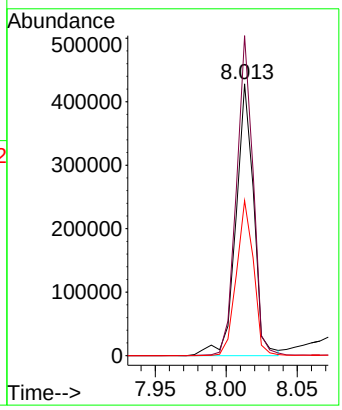
Tgt Ion:122 Resp: 36995

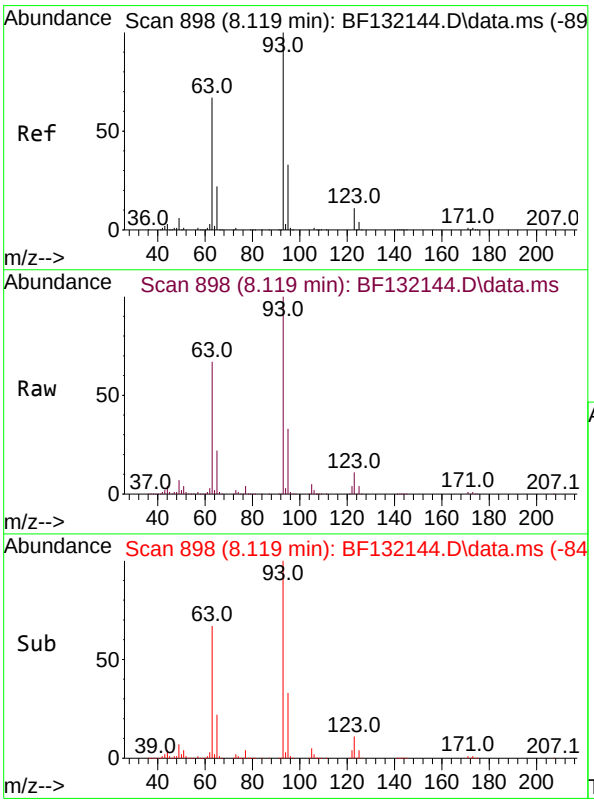
Ion	Ratio	Lower	Upper
122	100		
107	117.8	94.2	141.4
121	57.0	45.6	68.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

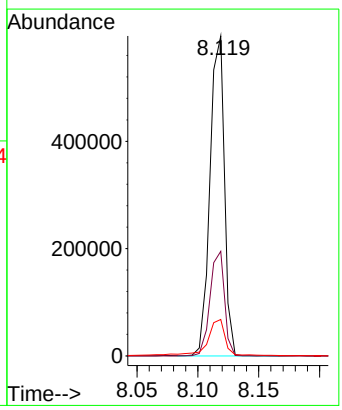


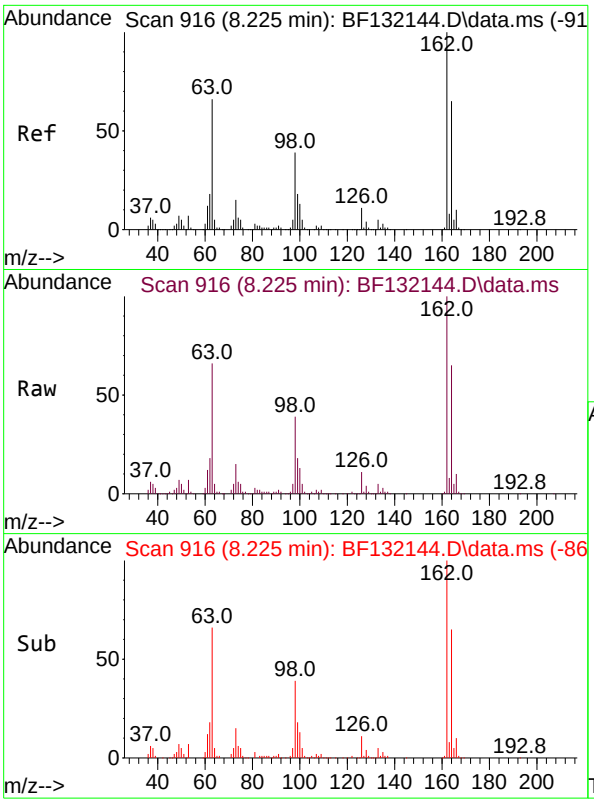


#28
bis(2-Chloroethoxy)methane
Concen: 38.931 ng
RT: 8.119 min Scan# 898
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion: 93 Resp: 494081

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	11.4	9.1	13.7





#29
2,4-Dichlorophenol
Concen: 40.824 ng
RT: 8.225 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

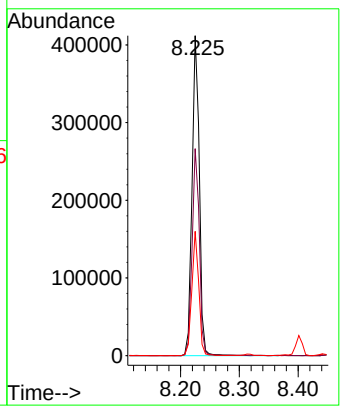
Tgt Ion:162 Resp: 354739

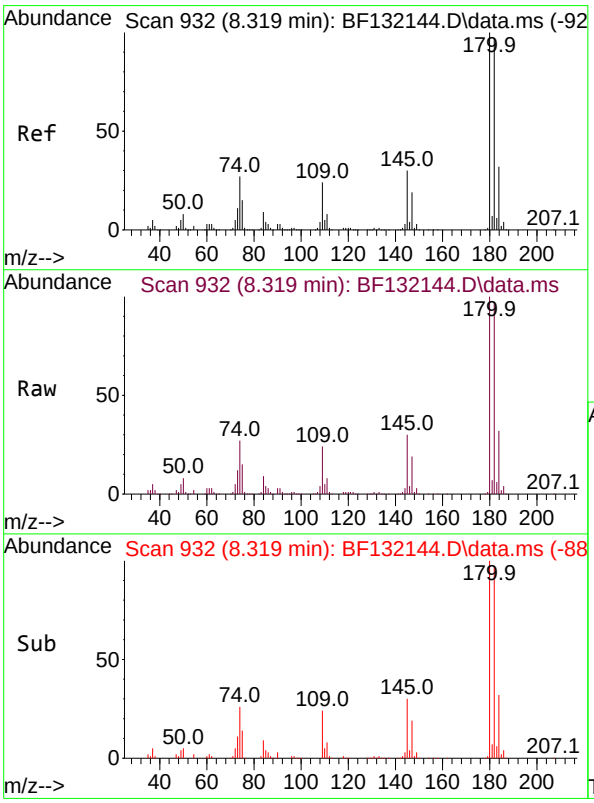
Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.7	84.7
98	38.8	18.8	58.8

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

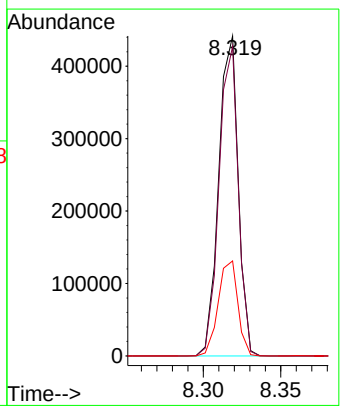


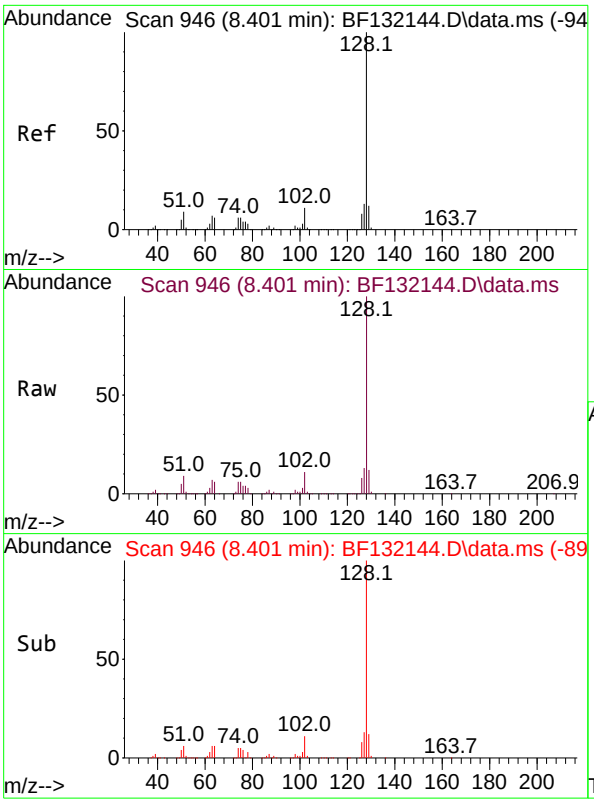


#30
1,2,4-Trichlorobenzene
Concen: 39.372 ng
RT: 8.319 min Scan# 932
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:180 Resp: 388596

Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.4	116.0
145	29.7	23.8	35.6

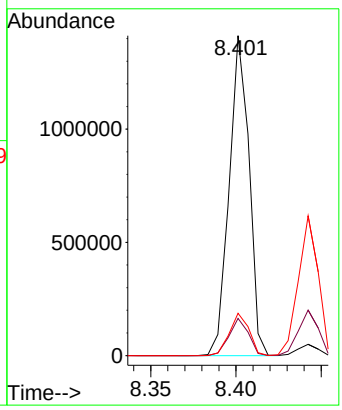




#31
Naphthalene
Concen: 38.878 ng
RT: 8.401 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:128 Resp: 114668

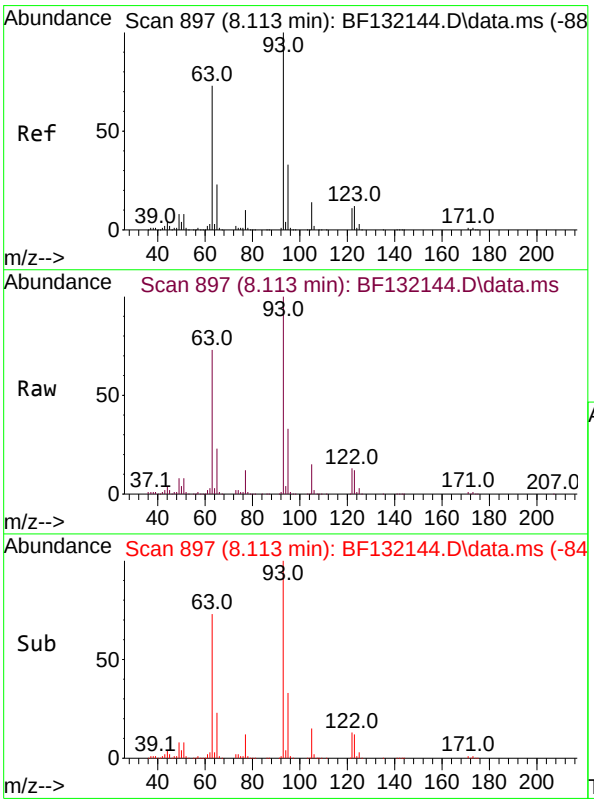
Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	13.2	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

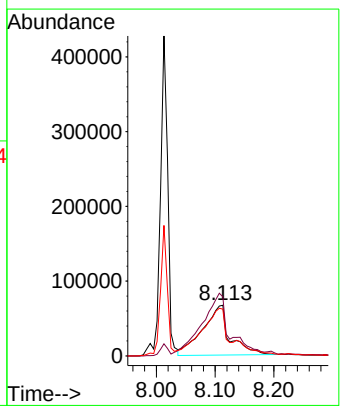
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

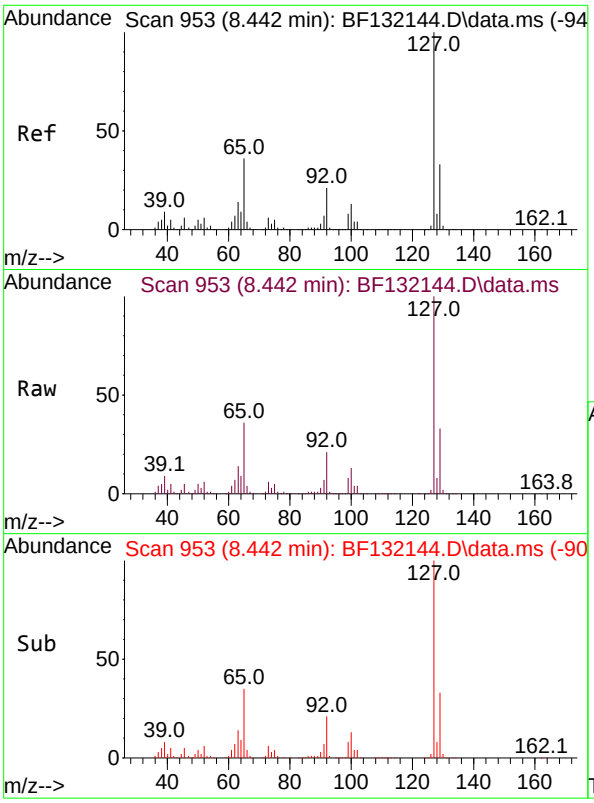


#32
Benzoic acid
Concen: 40.096 ng
RT: 8.113 min Scan# 897
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:122 Resp: 215433

Ion	Ratio	Lower	Upper
122	100		
105	116.8	96.8	136.8
77	92.5	72.5	112.5

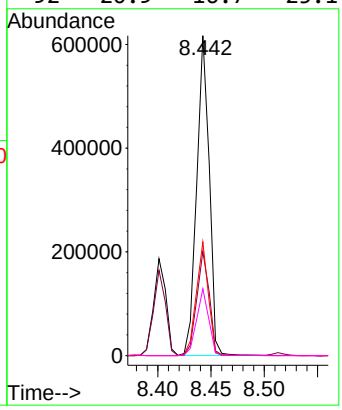




#33
4-Chloroaniline
Concen: 39.724 ng
RT: 8.442 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:127 Resp: 501389

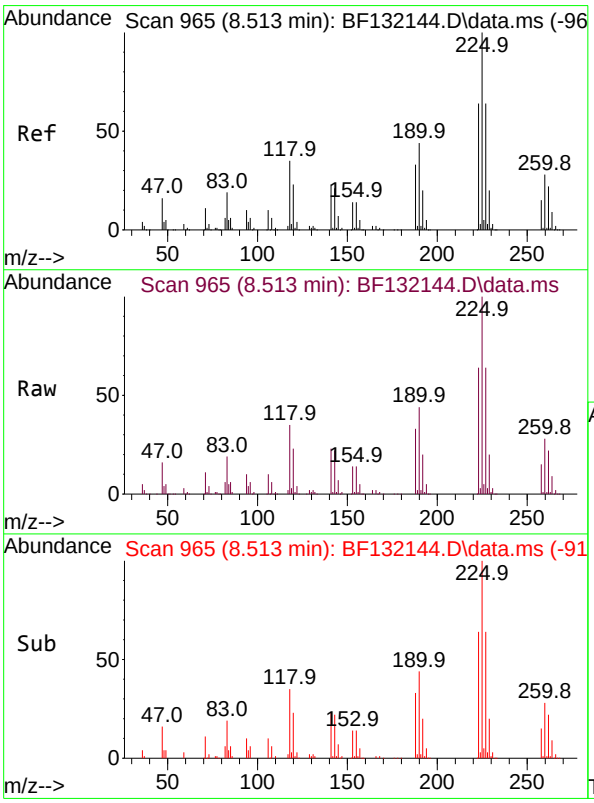
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	35.5	28.4	42.6
92	20.9	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

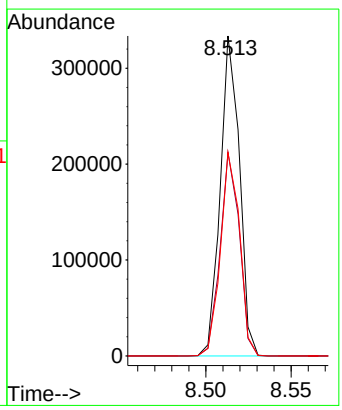
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

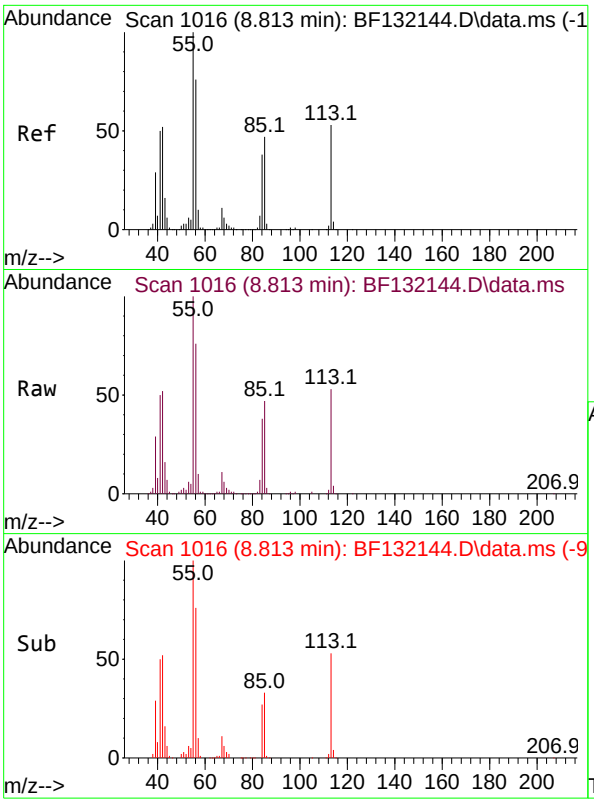


#34
Hexachlorobutadiene
Concen: 39.327 ng
RT: 8.513 min Scan# 965
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:225 Resp: 260748

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.9	76.3
227	63.5	50.8	76.2





#35
Caprolactam
Concen: 42.217 ng
RT: 8.813 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

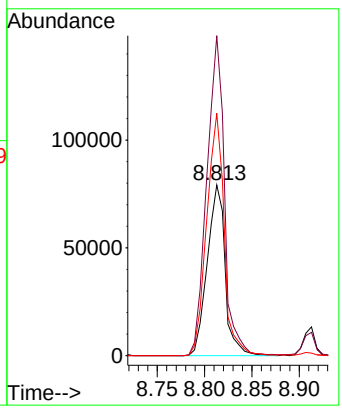
Tgt Ion:113 Resp: 10383

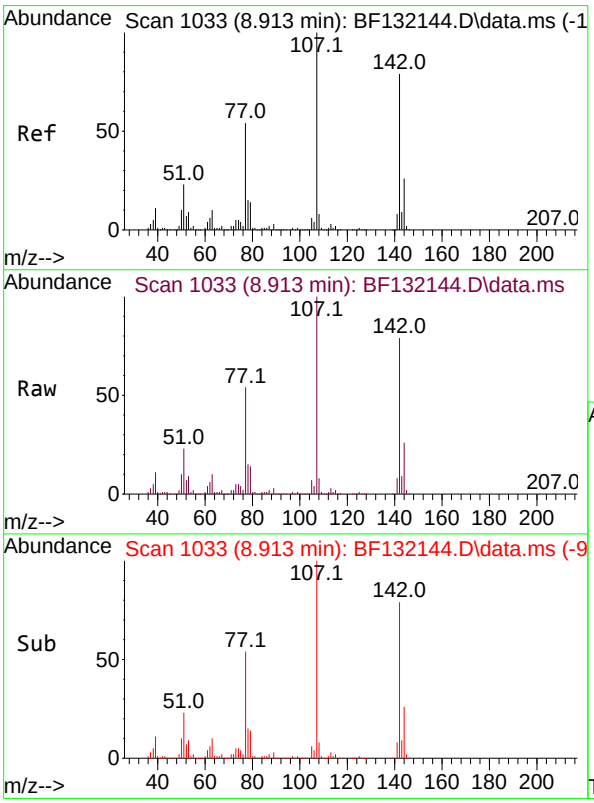
Ion	Ratio	Lower	Upper
113	100		
55	187.5	167.5	207.5
56	142.0	122.0	162.0

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

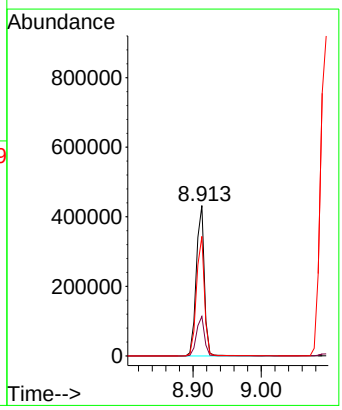


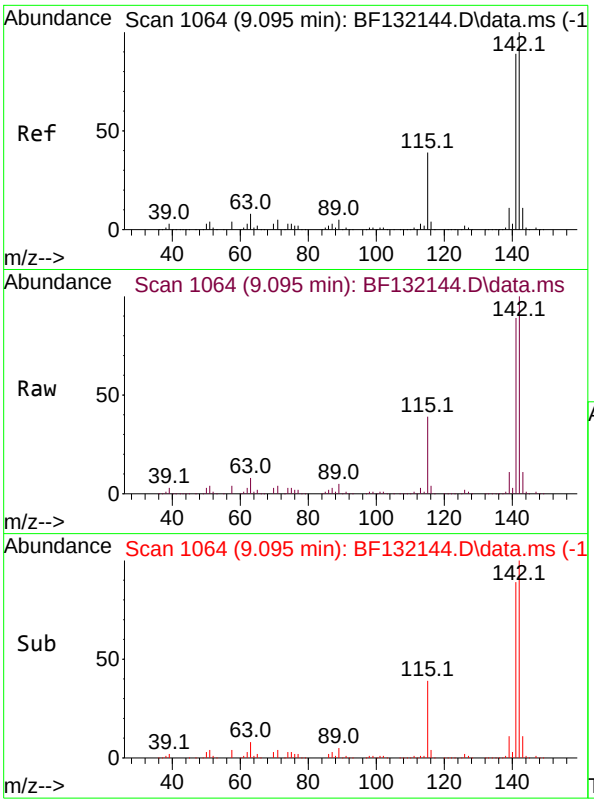


#36
4-Chloro-3-methylphenol
Concen: 40.548 ng
RT: 8.913 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:107 Resp: 354572

Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.0	31.4
142	79.5	63.6	95.4





#37
2-Methylnaphthalene
Concen: 38.690 ng
RT: 9.095 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

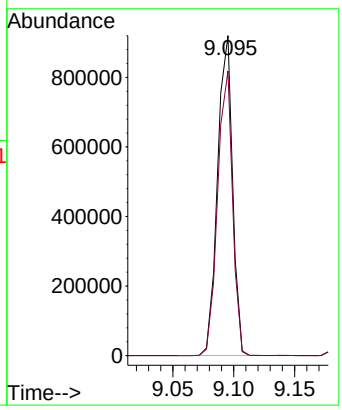
Tgt Ion:142 Resp: 78567

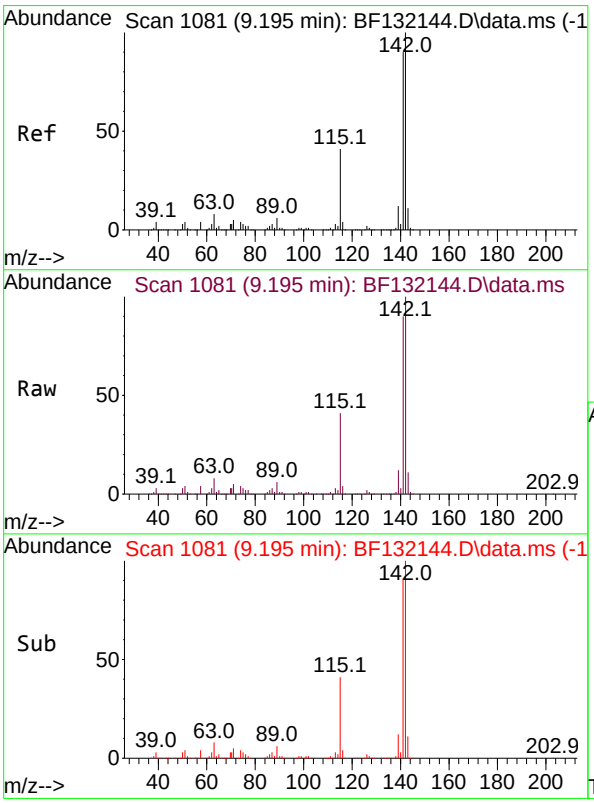
Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.1	106.7

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

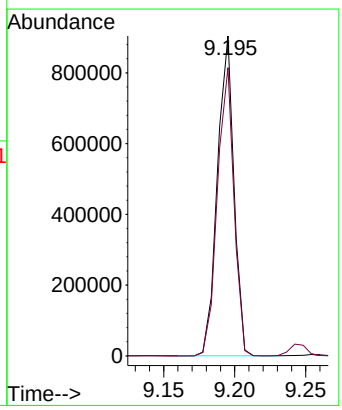


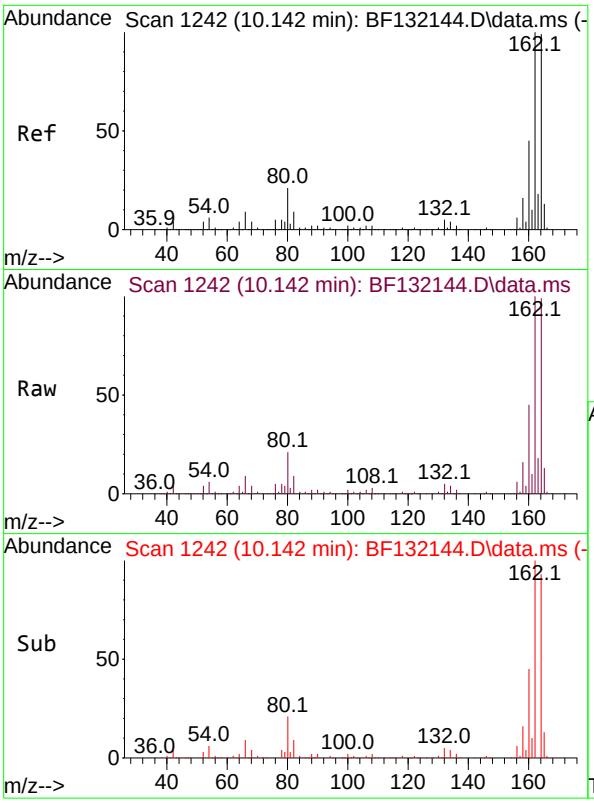


#38
1-Methylnaphthalene
Concen: 38.764 ng
RT: 9.195 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:142 Resp: 732441

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.1	108.1

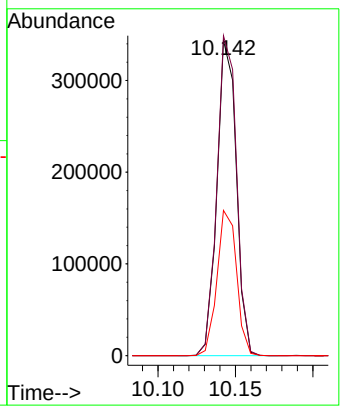




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.142 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:164 Resp: 29978

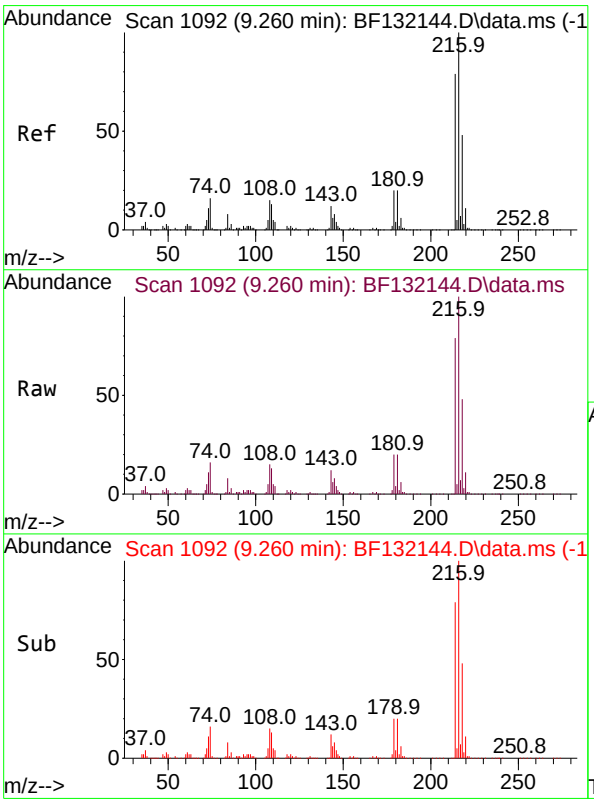
Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.2	121.8
160	46.1	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

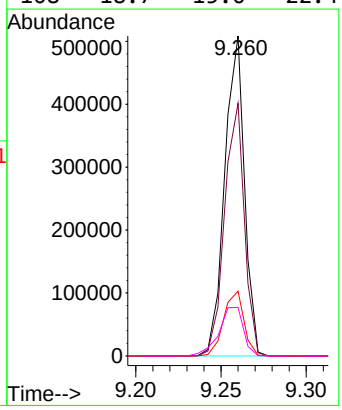
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

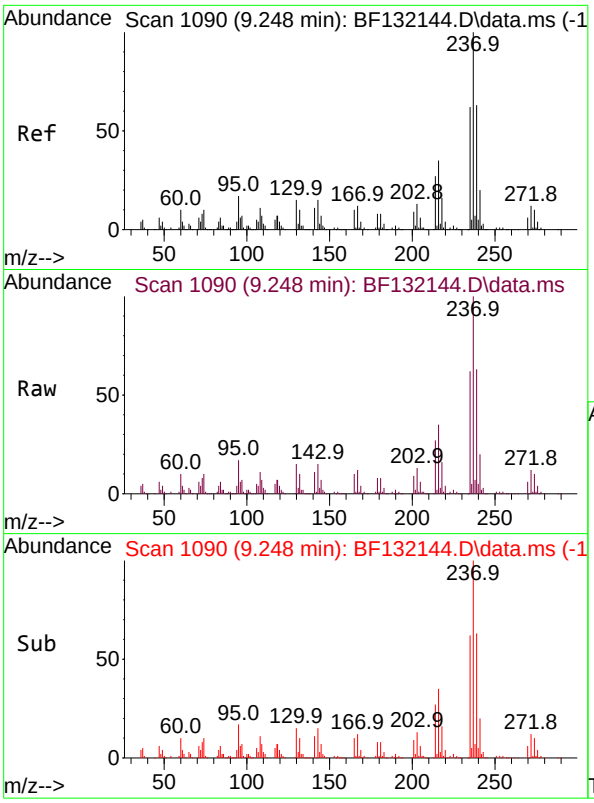


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.314 ng
RT: 9.260 min Scan# 1092
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:216 Resp: 410056

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.1	94.7
179	20.7	16.6	24.8
108	18.7	15.0	22.4





#41
Hexachlorocyclopentadiene
Concen: 41.122 ng
RT: 9.248 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

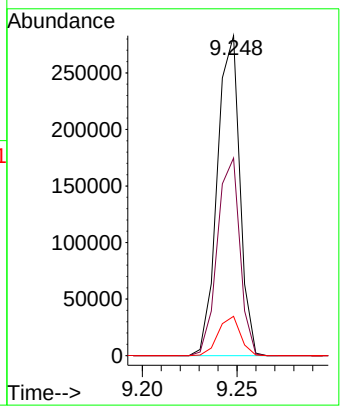
Tgt Ion:237 Resp: 23405

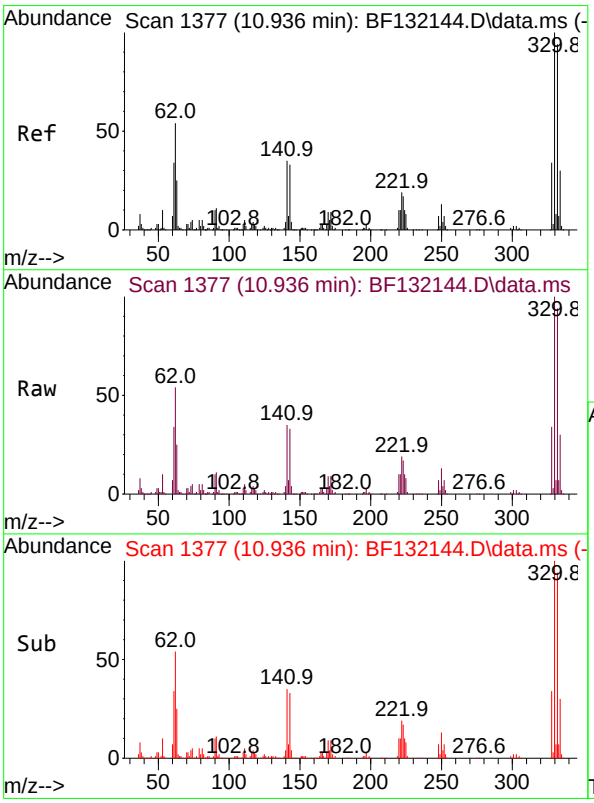
Ion	Ratio	Lower	Upper
237	100		
235	61.7	41.7	81.7
272	12.3	0.0	32.3

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

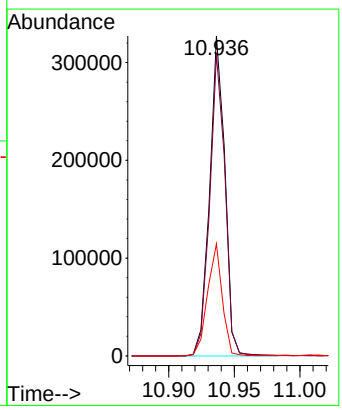


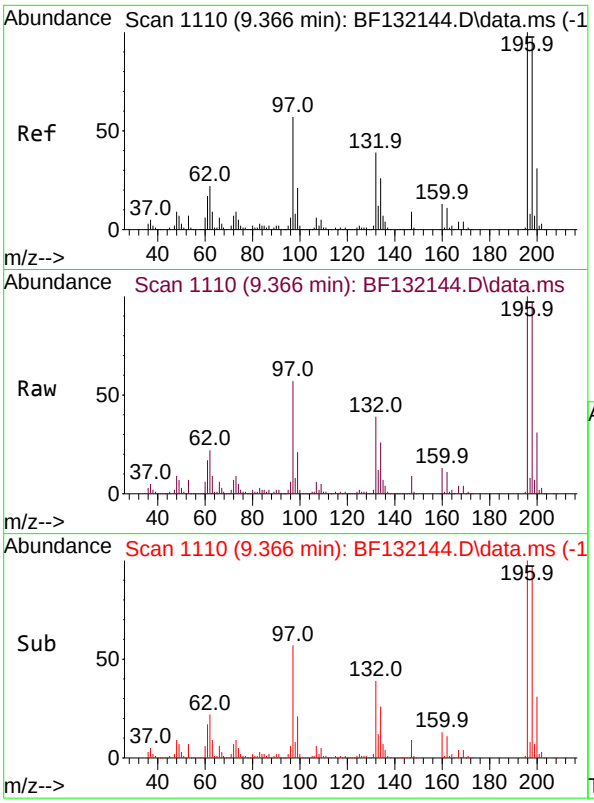


#42
2,4,6-Tribromophenol
Concen: 82.856 ng
RT: 10.936 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:330 Resp: 265316

Ion	Ratio	Lower	Upper
330	100		
332	94.5	75.6	113.4
141	33.9	27.1	40.7

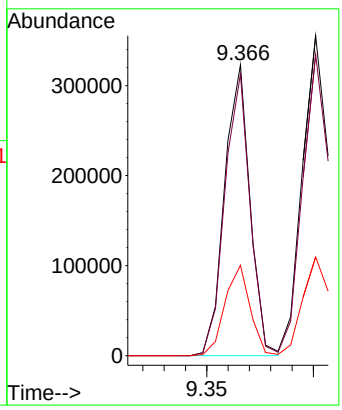




#43
2,4,6-Trichlorophenol
Concen: 41.476 ng
RT: 9.366 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:196 Resp: 26848

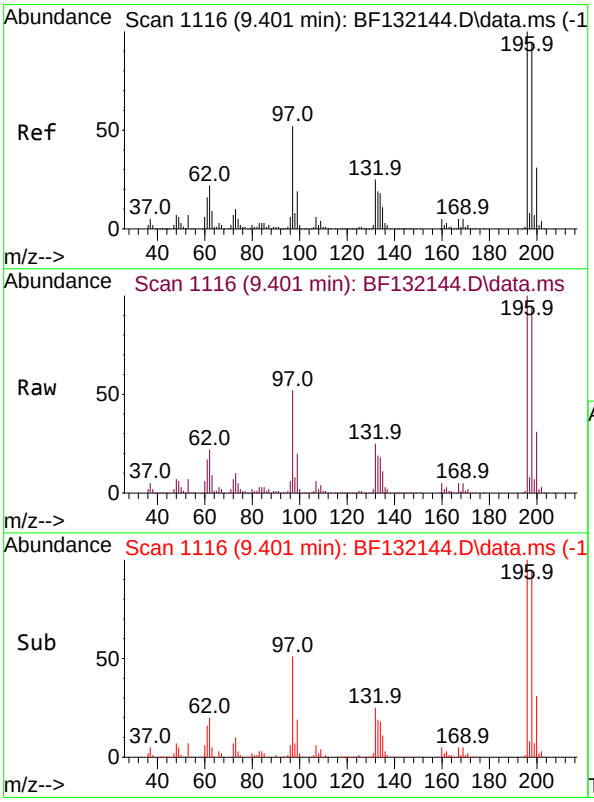
Ion	Ratio	Lower	Upper
196	100		
198	96.8	77.4	116.2
200	31.1	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

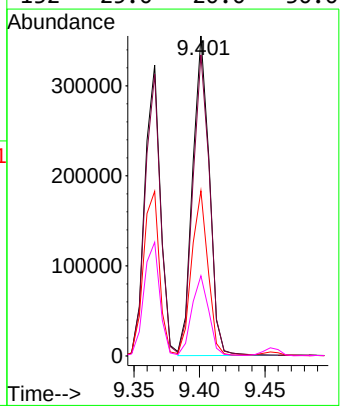
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

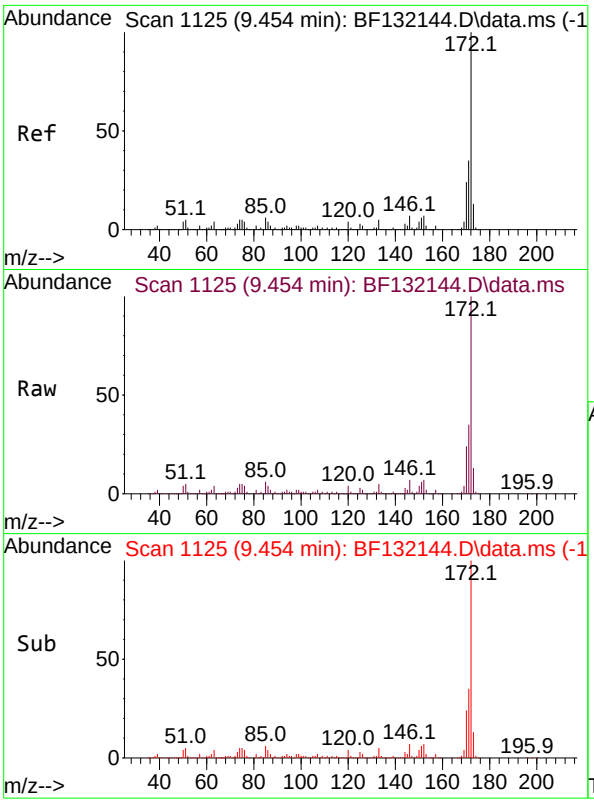


#44
2,4,5-Trichlorophenol
Concen: 41.399 ng
RT: 9.401 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:196 Resp: 313420

Ion	Ratio	Lower	Upper
196	100		
198	94.1	75.3	112.9
97	51.6	41.3	61.9
132	25.0	20.0	30.0

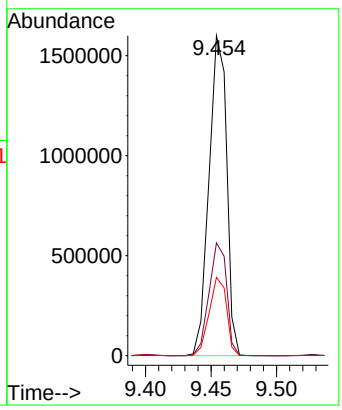




#45
2-Fluorobiphenyl
Concen: 78.225 ng
RT: 9.454 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:172 Resp: 149842

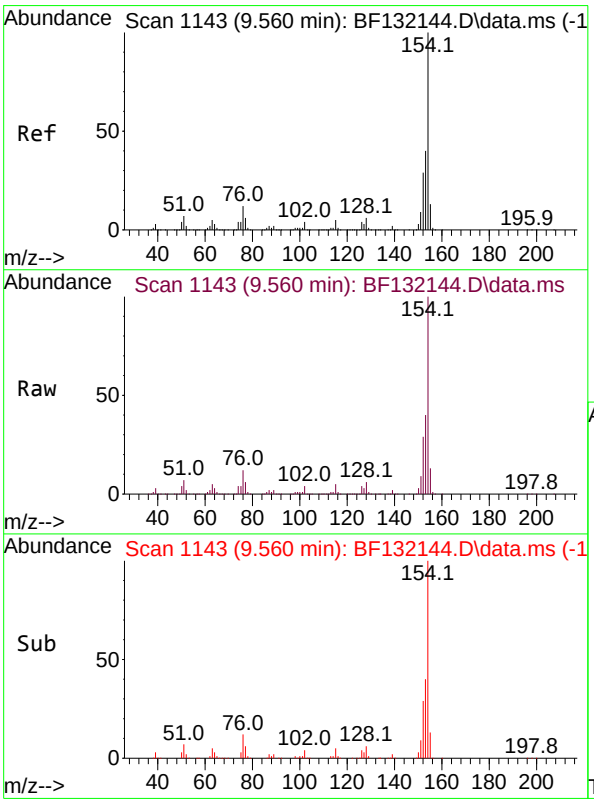
Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	24.5	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

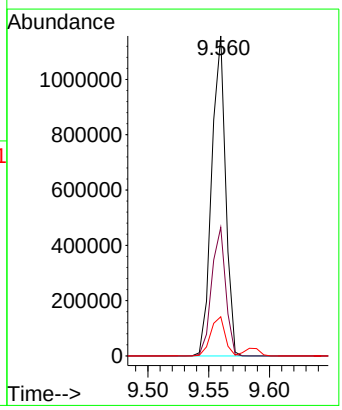
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

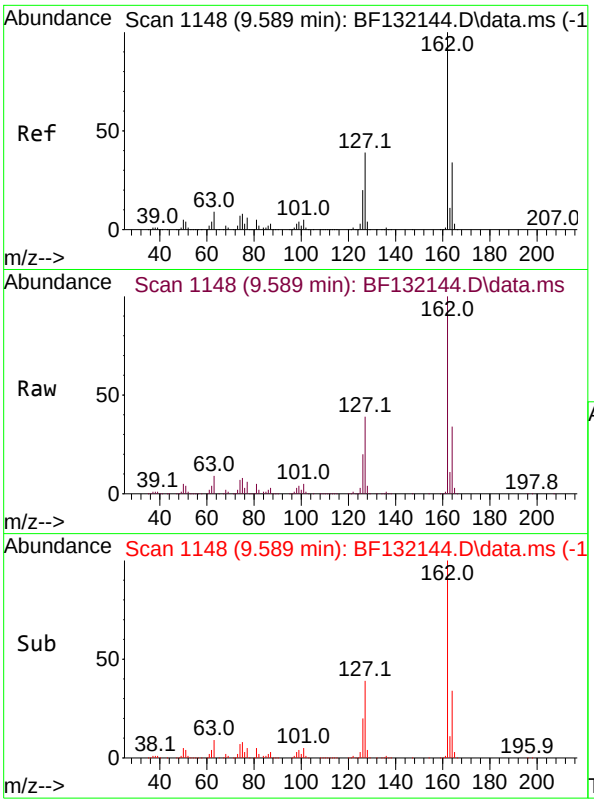


#46
1,1'-Biphenyl
Concen: 38.971 ng
RT: 9.560 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:154 Resp: 921691

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.2	60.2
76	12.2	0.0	32.2

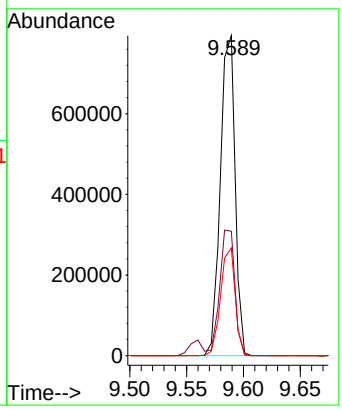




#47
2-Chloronaphthalene
Concen: 39.181 ng
RT: 9.589 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:162 Resp: 71634

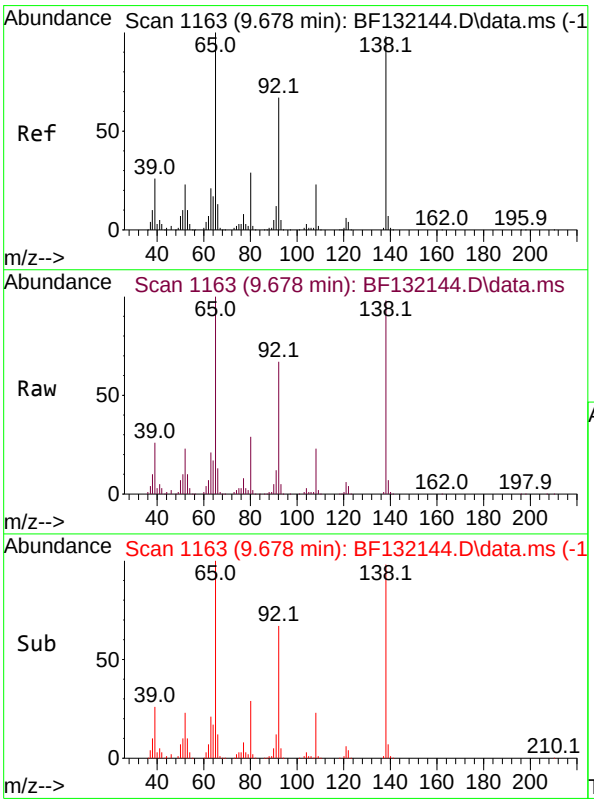
Ion	Ratio	Lower	Upper
162	100		
127	38.9	31.1	46.7
164	33.6	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

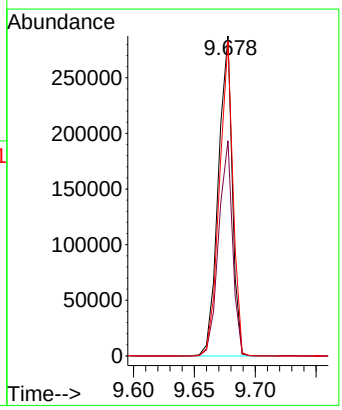
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

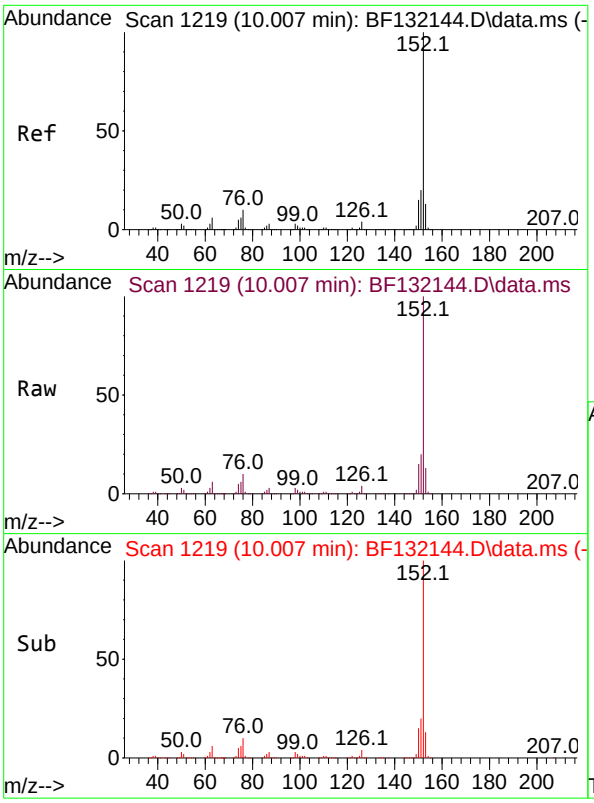


#48
2-Nitroaniline
Concen: 43.338 ng
RT: 9.678 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion: 65 Resp: 228133

Ion	Ratio	Lower	Upper
65	100		
92	67.2	53.8	80.6
138	98.4	78.7	118.1

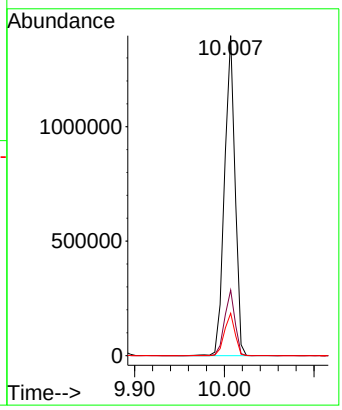




#49
Acenaphthylene
Concen: 39.186 ng
RT: 10.007 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:152 Resp: 114610

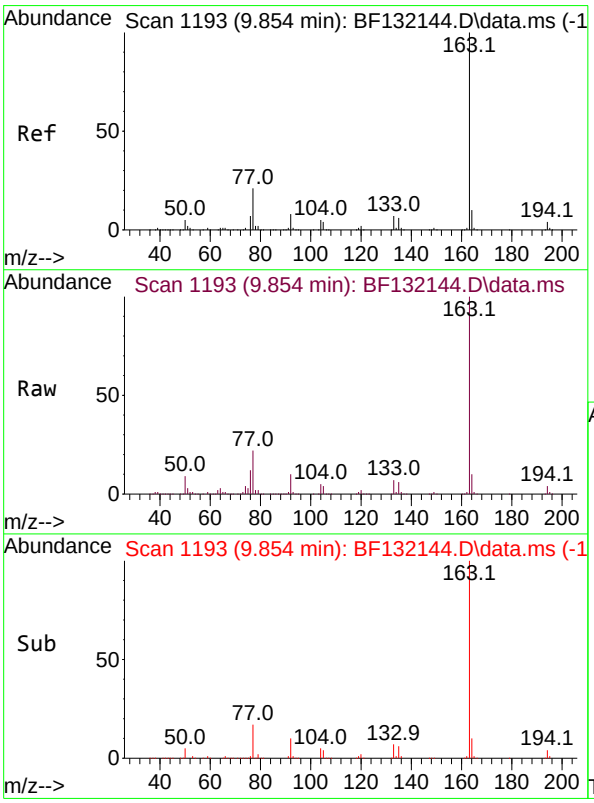
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6
153	13.2	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

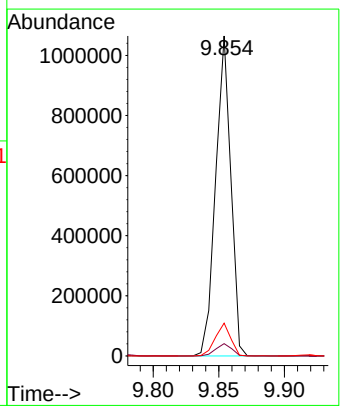
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

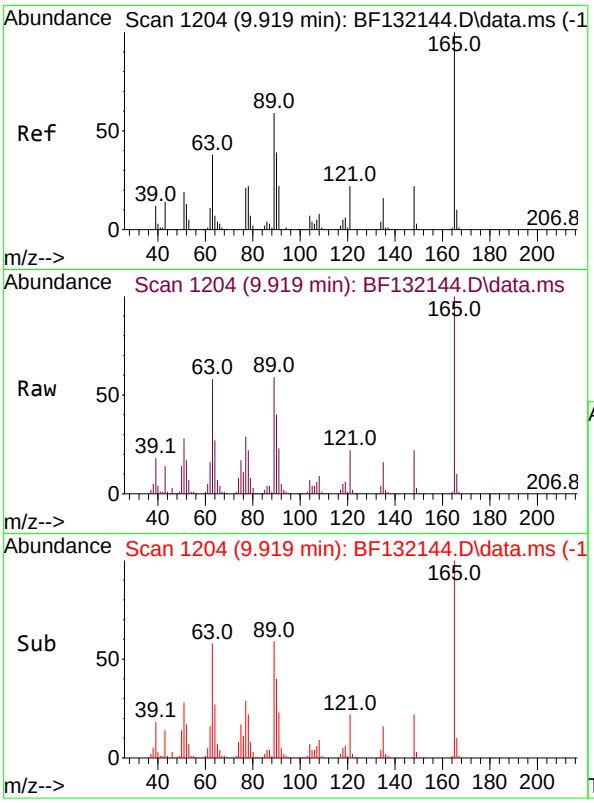


#50
Dimethylphthalate
Concen: 39.627 ng
RT: 9.854 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:163 Resp: 860394

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.2	8.2	12.2

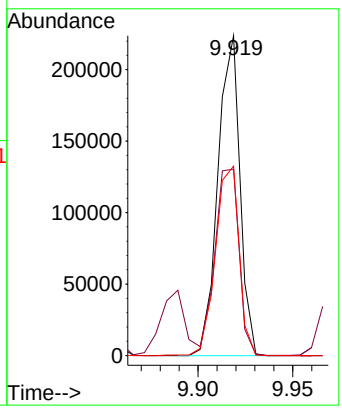




#51
2,6-Dinitrotoluene
Concen: 42.841 ng
RT: 9.919 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:165 Resp: 18028

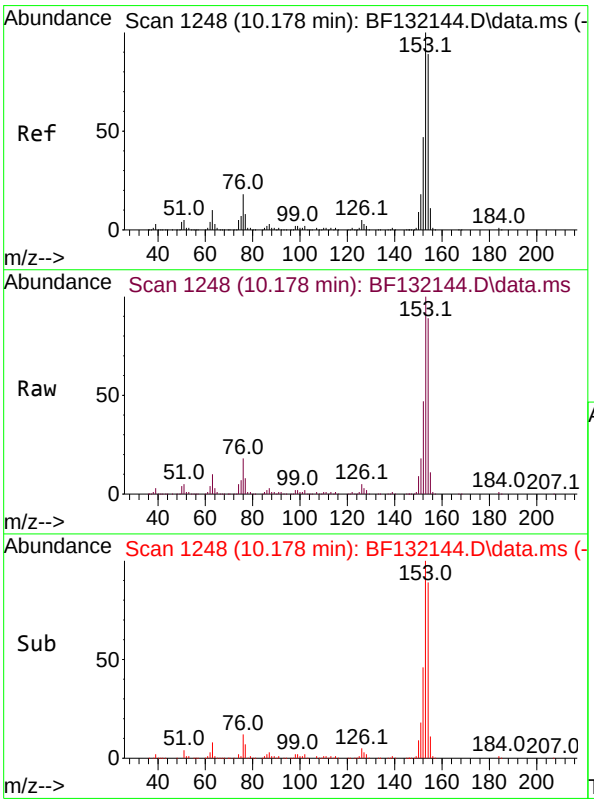
Ion	Ratio	Lower	Upper
165	100		
63	58.3	46.6	70.0
89	59.3	47.4	71.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

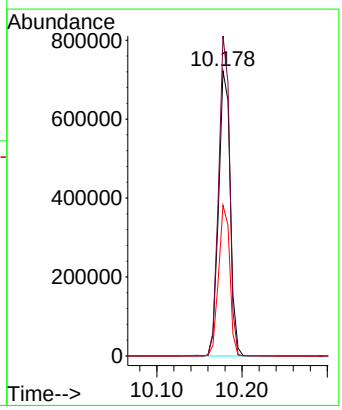
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

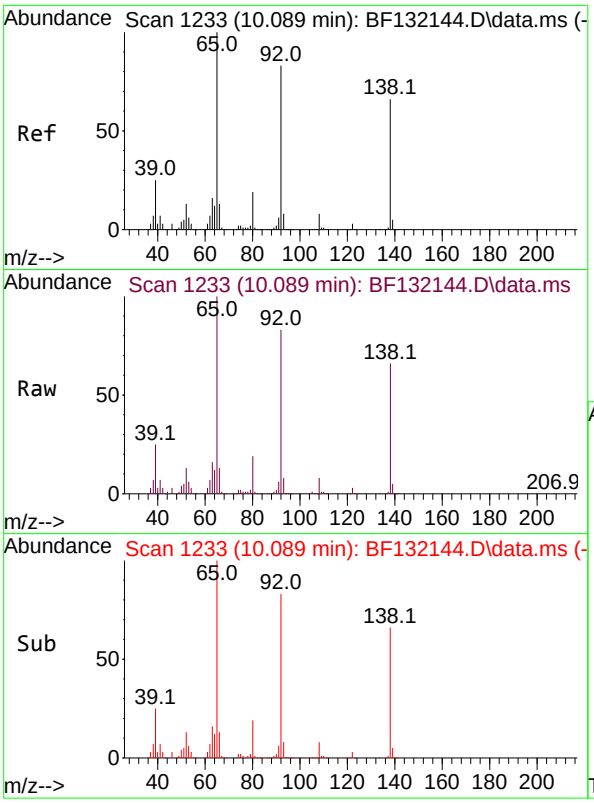


#52
Acenaphthene
Concen: 38.885 ng
RT: 10.178 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:154 Resp: 684074

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.8	134.8
152	52.9	42.3	63.5

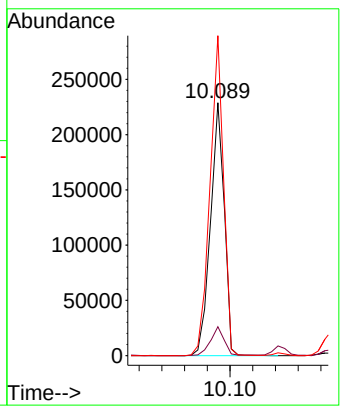




#53
3-Nitroaniline
Concen: 42.890 ng
RT: 10.089 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:138 Resp: 19297

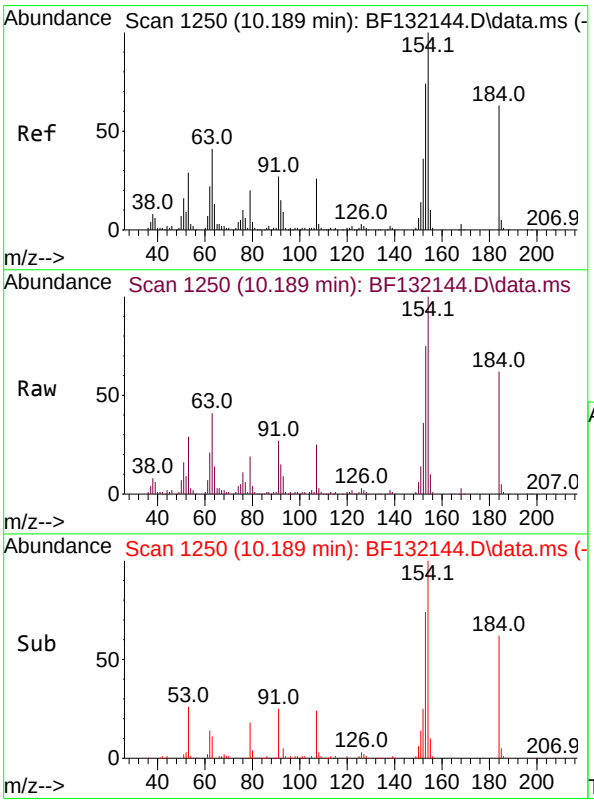
Ion	Ratio	Lower	Upper
138	100		
108	11.4	9.1	13.7
92	126.5	101.2	151.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

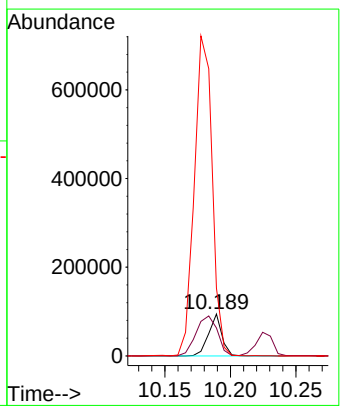
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

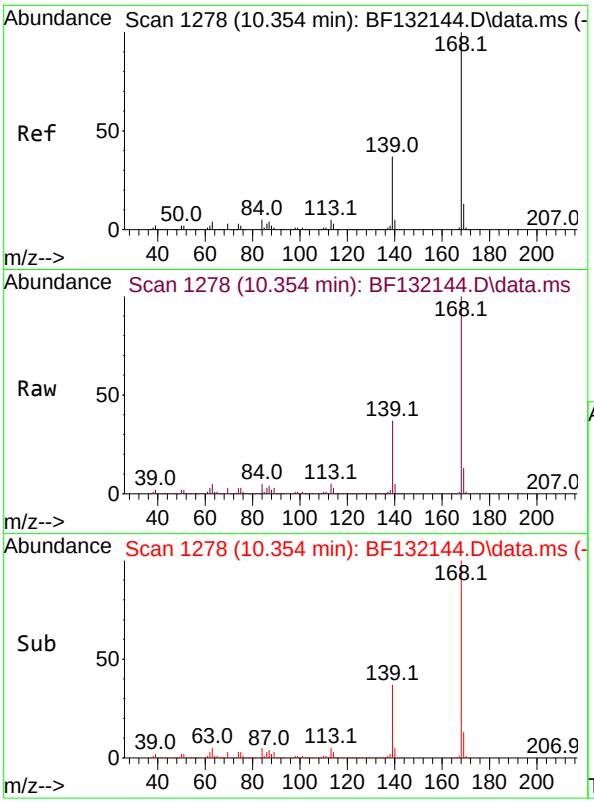


#54
2,4-Dinitrophenol
Concen: 39.070 ng
RT: 10.189 min Scan# 1250
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:184 Resp: 66408

Ion	Ratio	Lower	Upper
184	100		
63	66.5	53.2	79.8
154	161.7	129.4	194.0

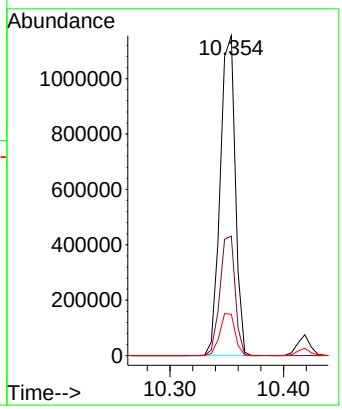




#55
Dibenzofuran
Concen: 39.048 ng
RT: 10.354 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:168 Resp: 106159

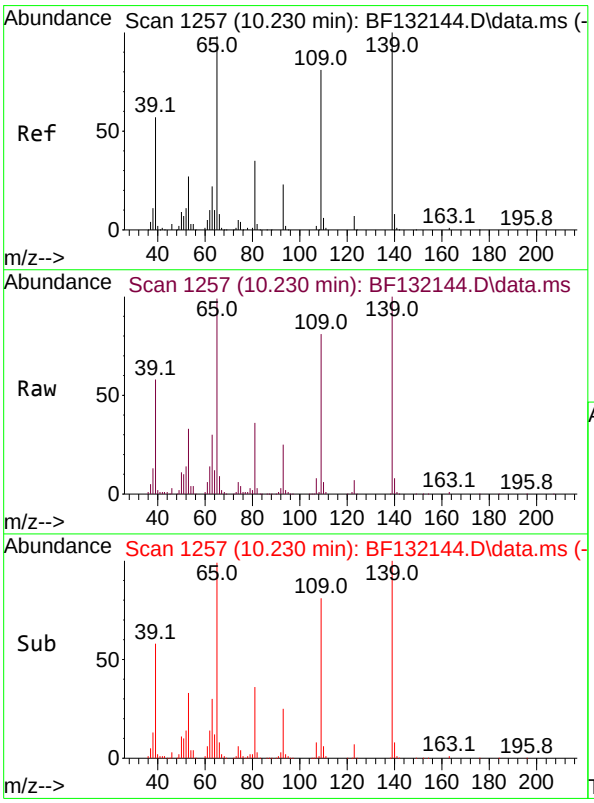
Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.8	44.8
169	12.9	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

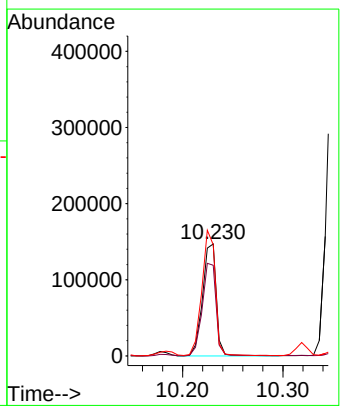
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

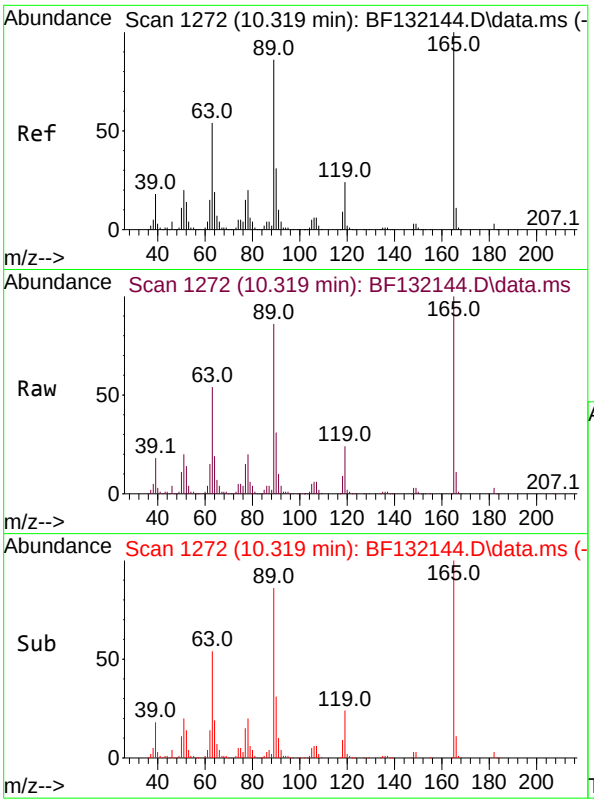


#56
4-Nitrophenol
Concen: 42.437 ng
RT: 10.230 min Scan# 1257
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:139 Resp: 138964

Ion	Ratio	Lower	Upper
139	100		
109	81.0	61.0	101.0
65	99.3	79.3	119.3

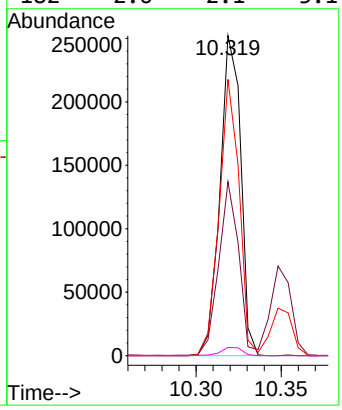




#57
2,4-Dinitrotoluene
Concen: 42.104 ng
RT: 10.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:165 Resp: 21268

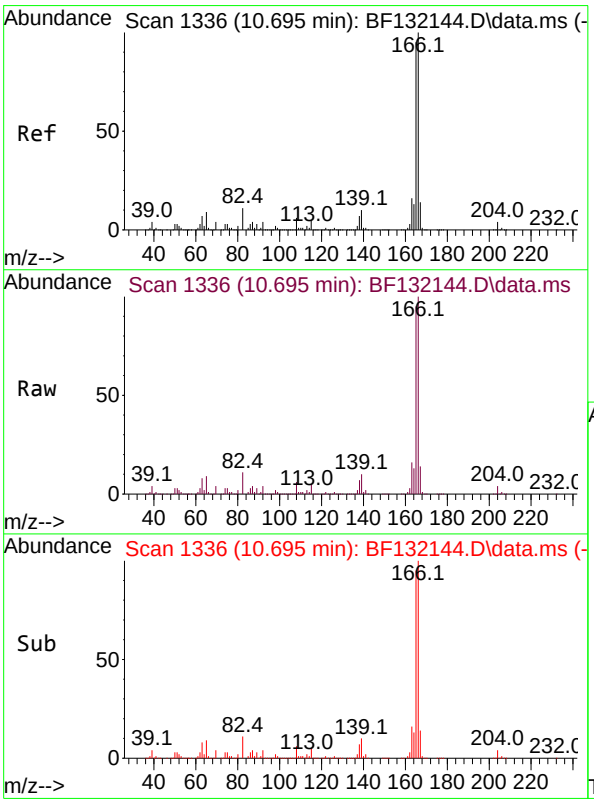
Ion	Ratio	Lower	Upper
165	100		
63	54.4	43.5	65.3
89	86.3	69.0	103.6
182	2.6	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

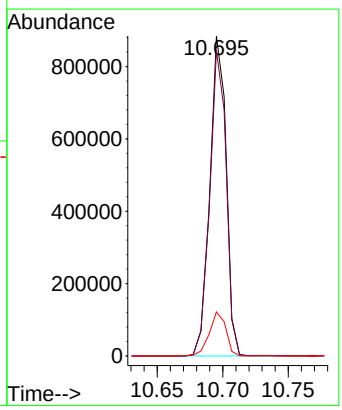
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

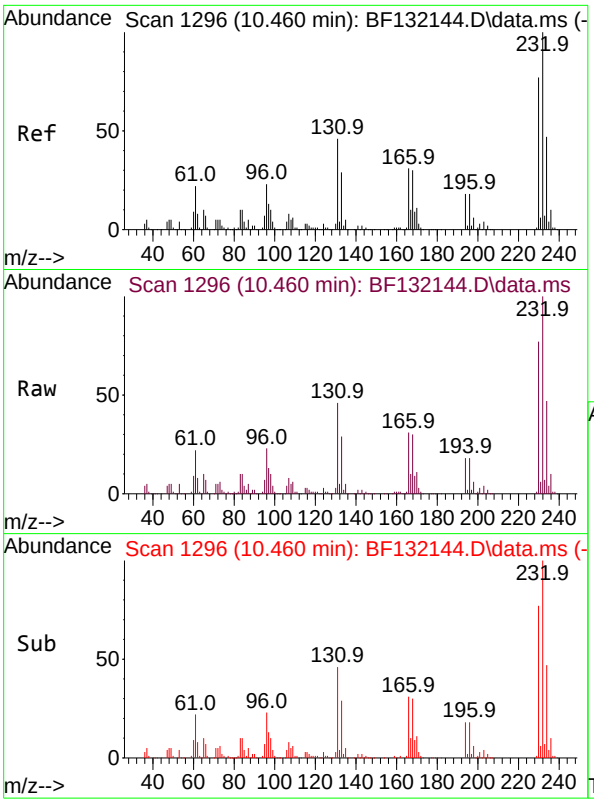


#58
Fluorene
Concen: 38.157 ng
RT: 10.695 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:166 Resp: 768665

Ion	Ratio	Lower	Upper
166	100		
165	95.5	76.4	114.6
167	13.7	11.0	16.4

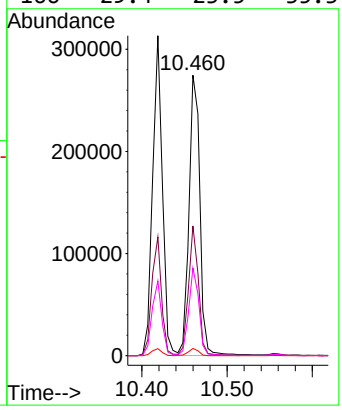




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.198 ng
RT: 10.460 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:232 Resp: 24302

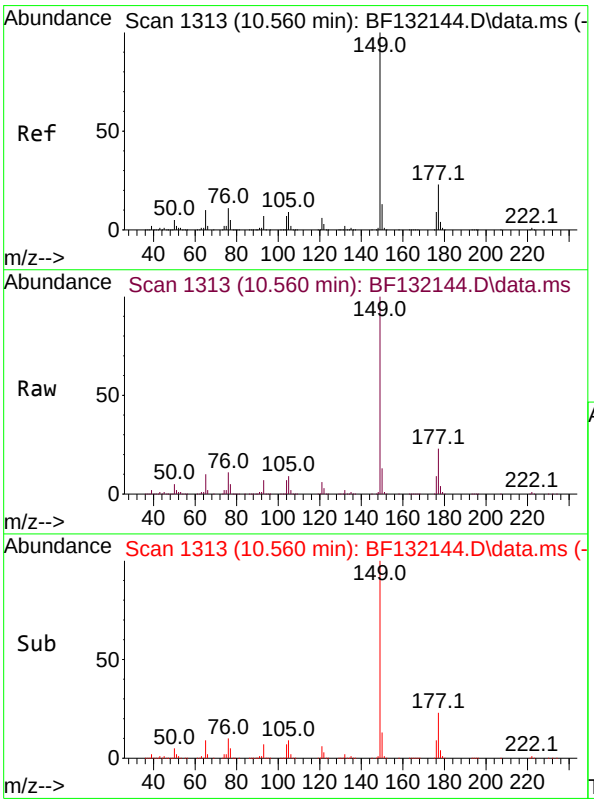
Ion	Ratio	Lower	Upper
232	100		
131	42.2	33.8	50.6
130	2.4	1.9	2.9
166	29.4	23.5	35.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

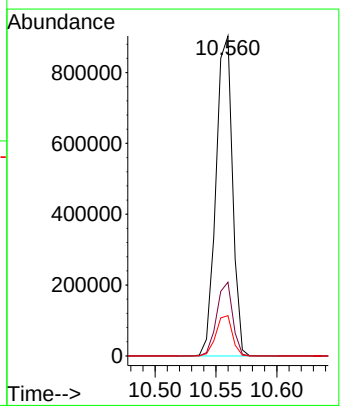
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

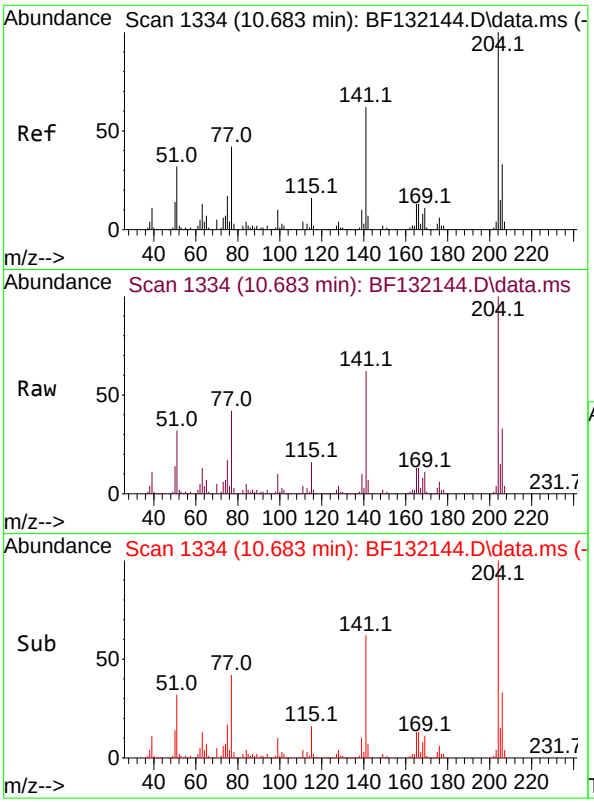


#60
Diethylphthalate
Concen: 40.084 ng
RT: 10.560 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:149 Resp: 853449

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.4	27.6
150	12.6	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.143 ng
RT: 10.683 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

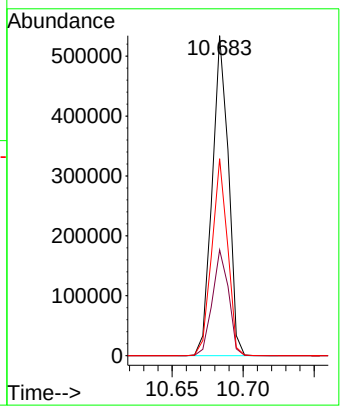
Tgt Ion:204 Resp: 42224

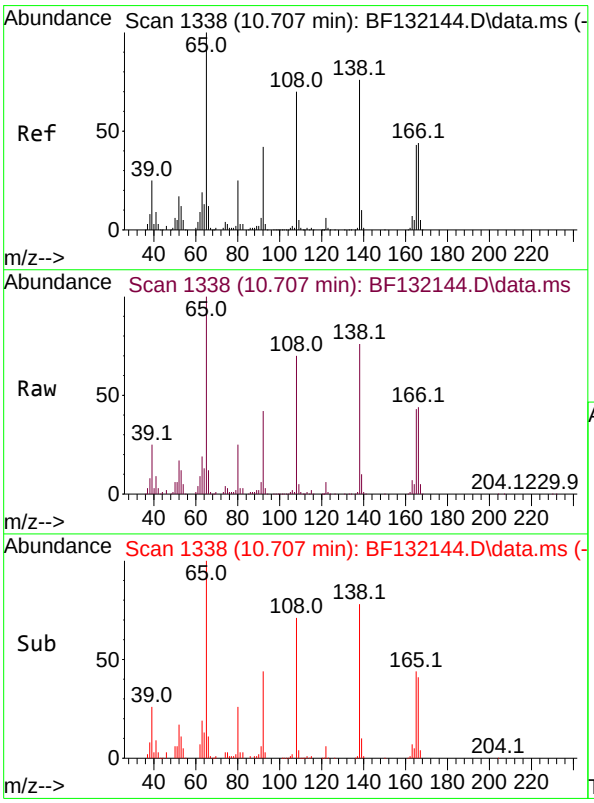
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	61.5	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

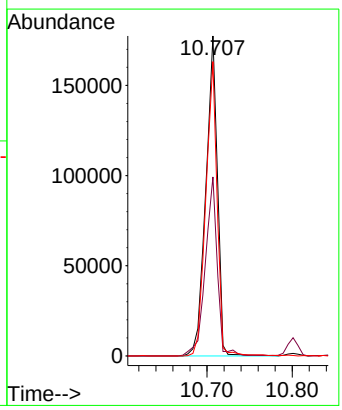


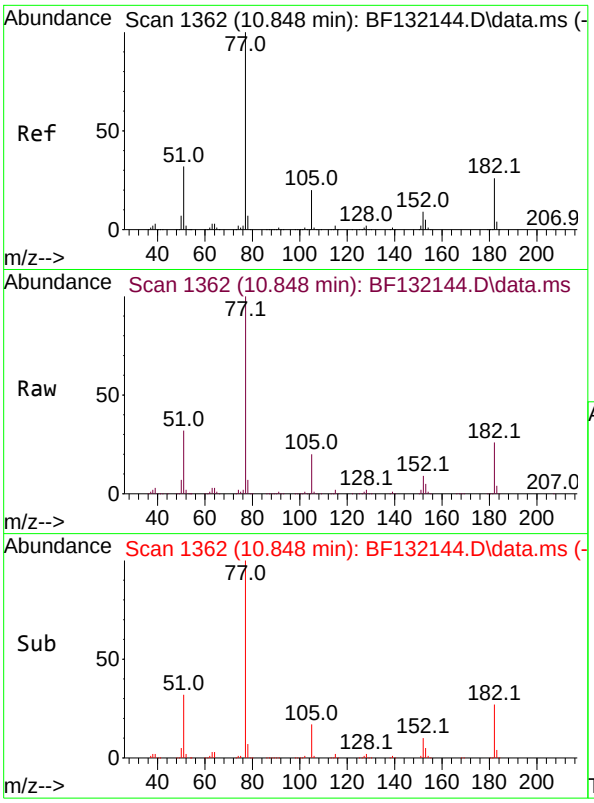


#62
4-Nitroaniline
Concen: 40.310 ng
RT: 10.707 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:138 Resp: 168856

Ion	Ratio	Lower	Upper
138	100		
92	55.9	35.9	75.9
108	92.0	72.0	112.0

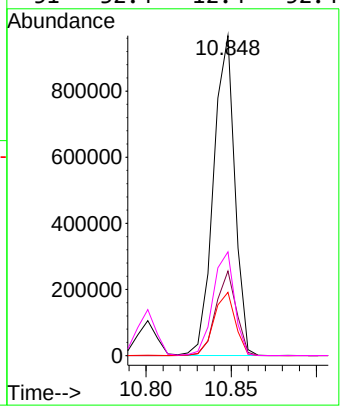




#63
Azobenzene
Concen: 39.303 ng
RT: 10.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion: 77 Resp: 83985

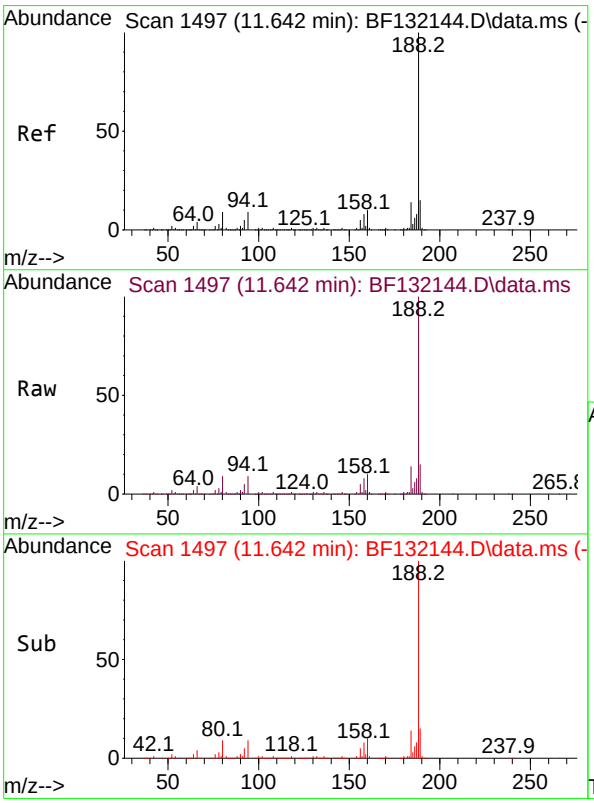
Ion	Ratio	Lower	Upper
77	100		
182	26.4	6.4	46.4
105	19.8	0.0	39.8
51	32.4	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

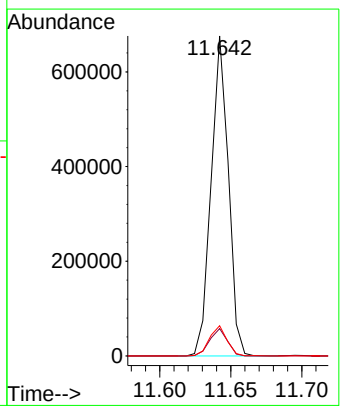
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

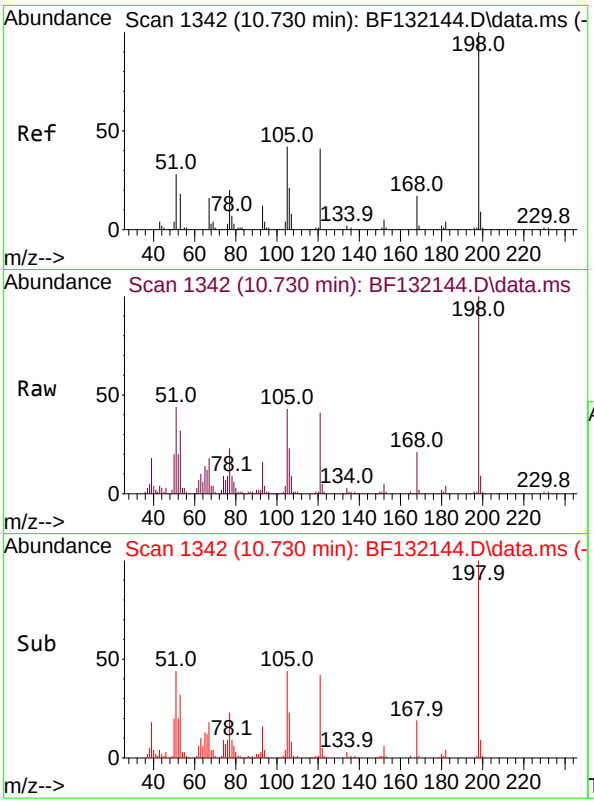


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.642 min Scan# 1497
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:188 Resp: 571110

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	9.4	7.5	11.3

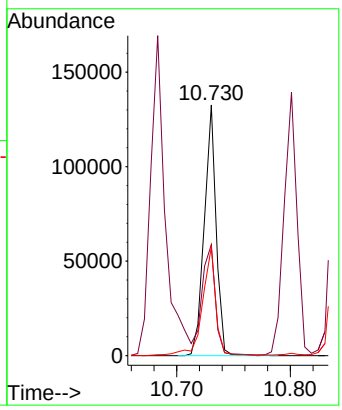




#65
4,6-Dinitro-2-methylphenol
Concen: 39.000 ng
RT: 10.730 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:198 Resp: 9656

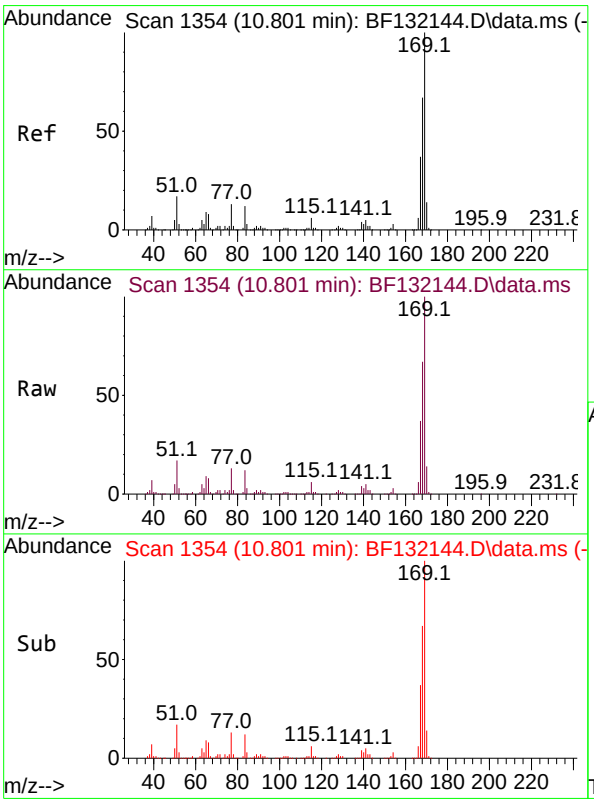
Ion	Ratio	Lower	Upper
198	100		
51	44.3	24.3	64.3
105	43.3	23.3	63.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

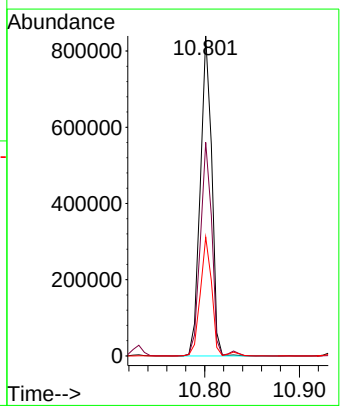
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

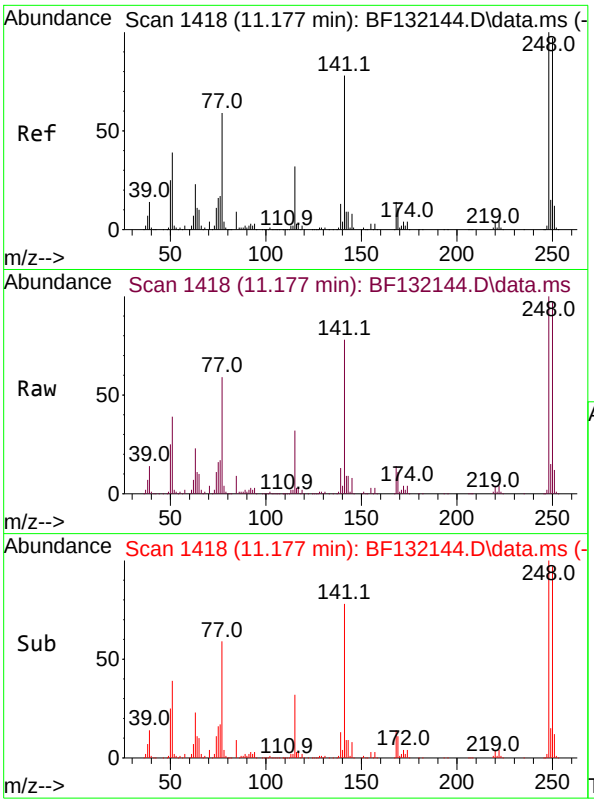


#66
n-Nitrosodiphenylamine
Concen: 38.360 ng
RT: 10.801 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:169 Resp: 701625

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.4	80.0
167	37.1	29.7	44.5





#67
4-Bromophenyl-phenylether
Concen: 38.892 ng
RT: 11.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

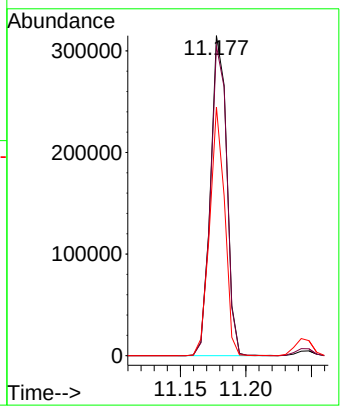
Tgt Ion:248 Resp: 27073

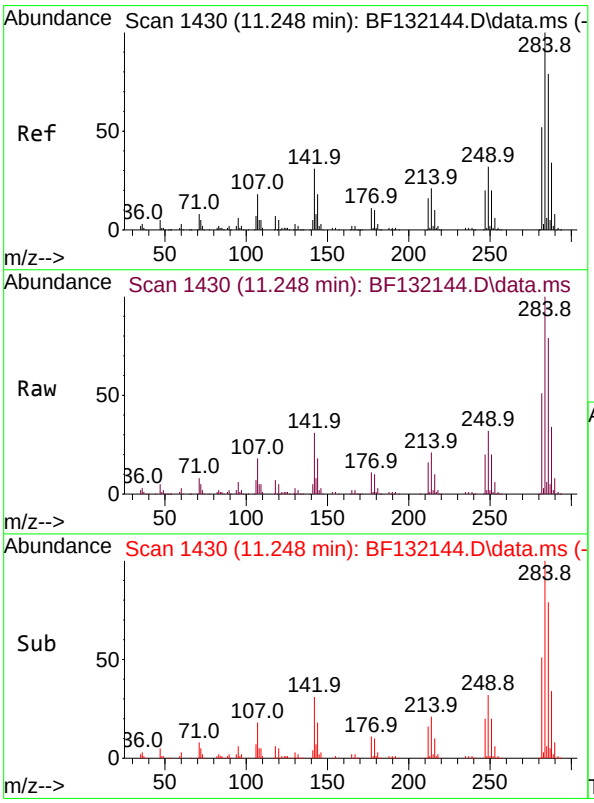
Ion	Ratio	Lower	Upper
248	100		
250	96.7	77.4	116.0
141	77.7	62.2	93.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

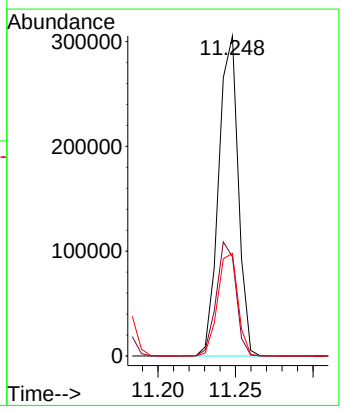


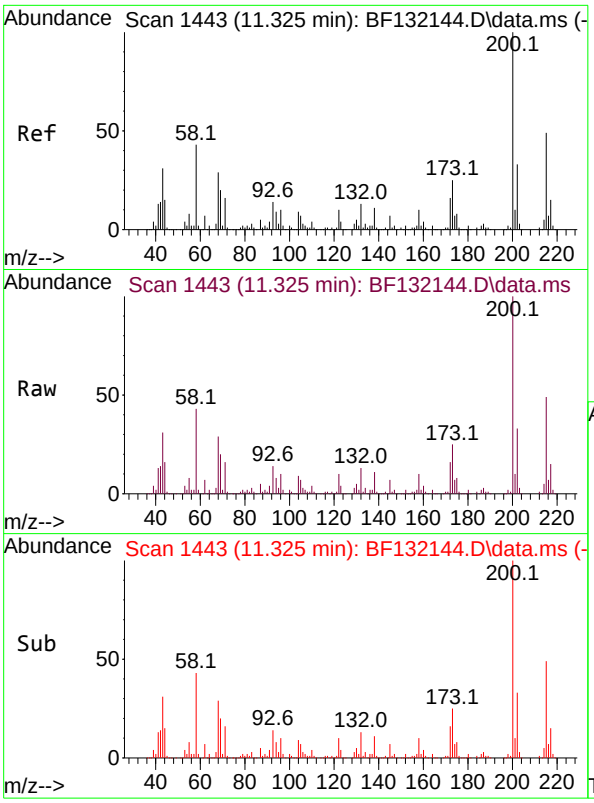


#68
Hexachlorobenzene
Concen: 38.861 ng
RT: 11.248 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:284 Resp: 268855

Ion	Ratio	Lower	Upper
284	100		
142	30.9	24.7	37.1
249	32.0	25.6	38.4

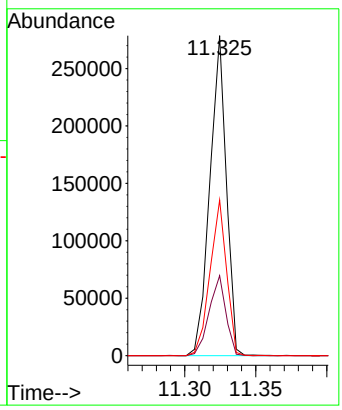




#69
Atrazine
Concen: 39.933 ng
RT: 11.325 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:200 Resp: 22534

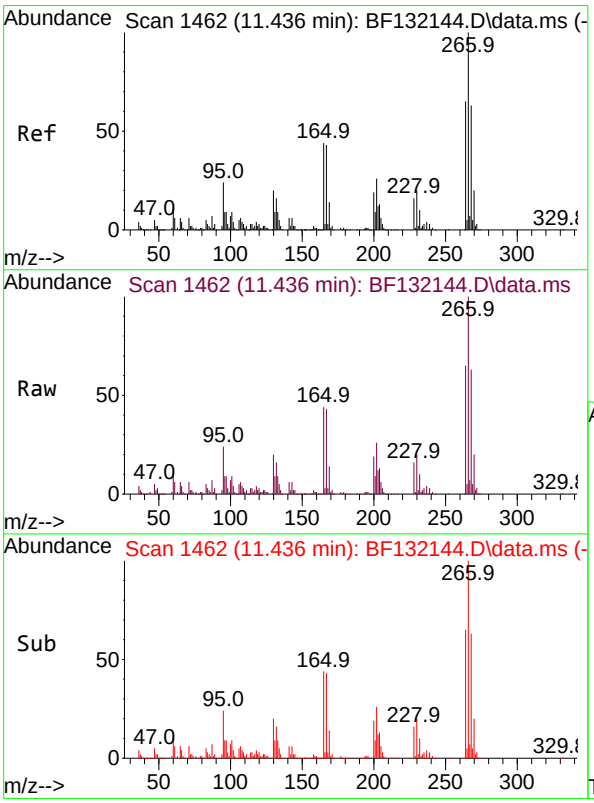
Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.0	45.0
215	48.6	28.6	68.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

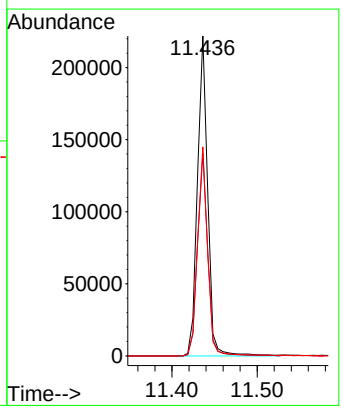
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

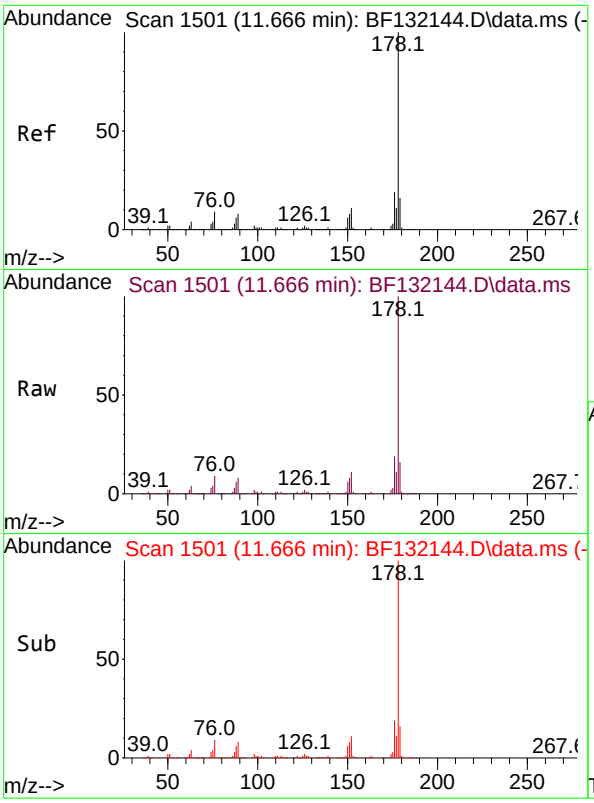


#70
Pentachlorophenol
Concen: 41.654 ng
RT: 11.436 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:266 Resp: 185189

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.8	76.2
264	65.4	52.3	78.5

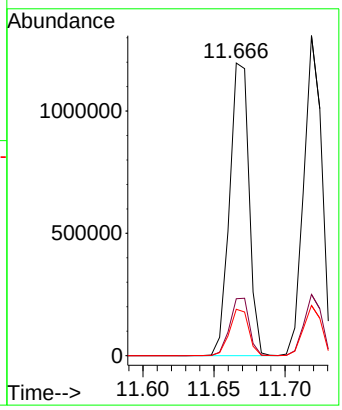




#71
Phenanthrene
Concen: 38.013 ng
RT: 11.666 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:178 Resp: 113928

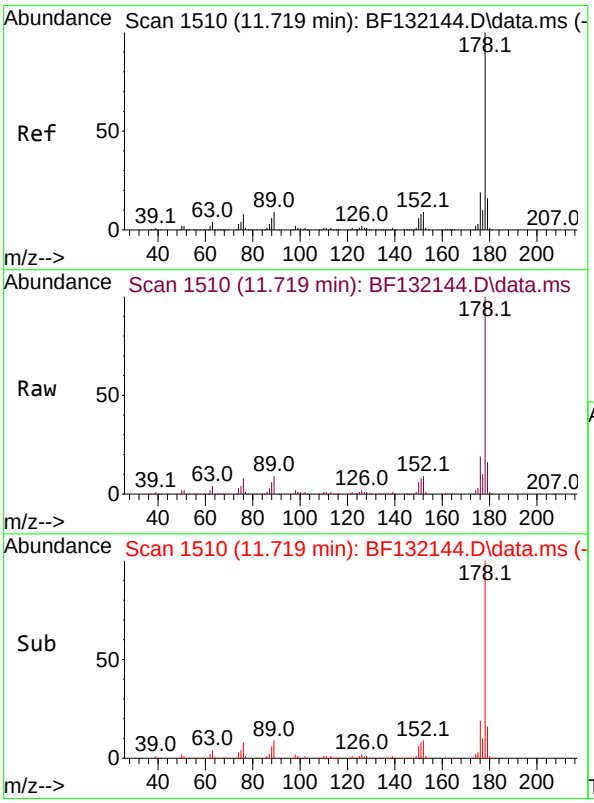
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.8	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

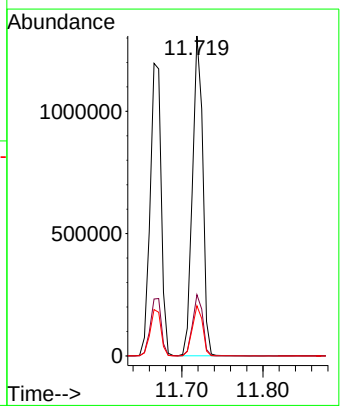
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

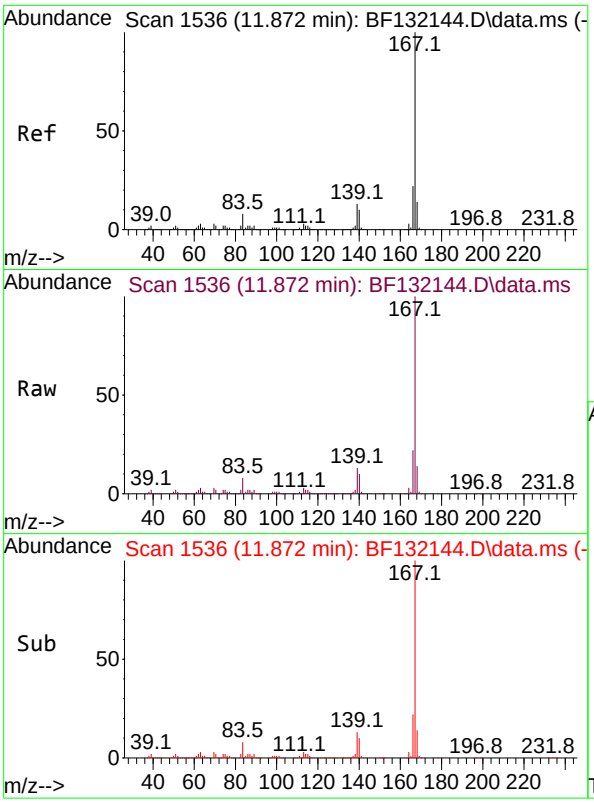


#72
Anthracene
Concen: 37.945 ng
RT: 11.719 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:178 Resp: 1150507

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.7	12.6	18.8

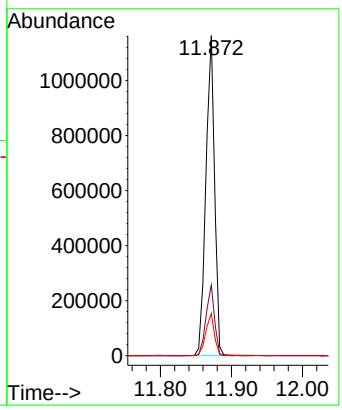




#73
Carbazole
Concen: 38.153 ng
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:167 Resp: 98812

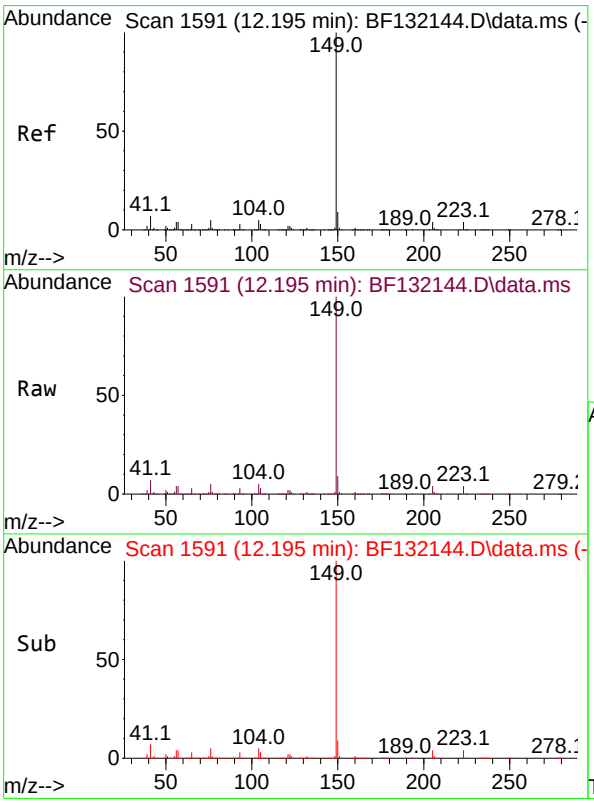
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	13.1	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

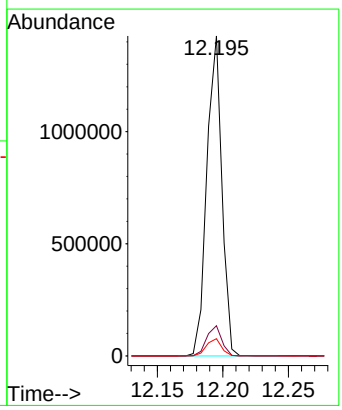
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

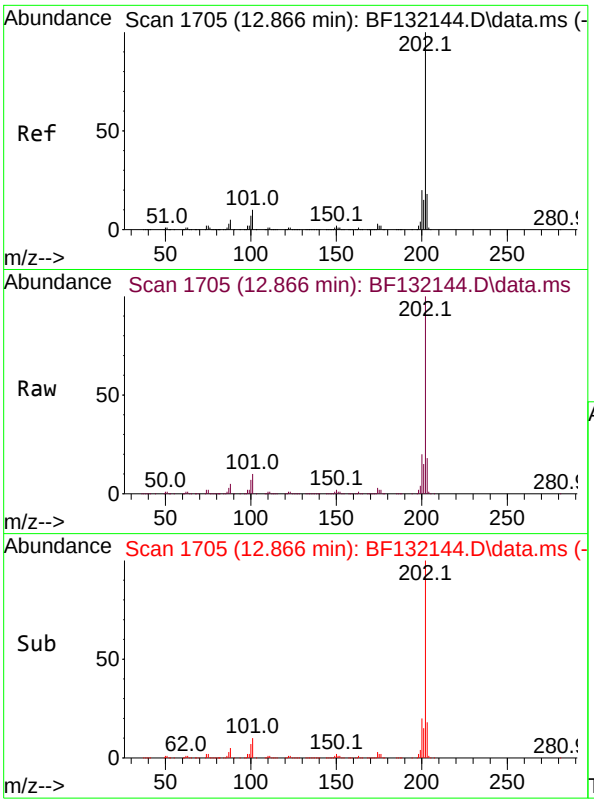


#74
Di-n-butylphthalate
Concen: 39.237 ng
RT: 12.195 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:149 Resp: 1131265

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.4	4.3	6.5





#75
Fluoranthene
Concen: 37.412 ng
RT: 12.866 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

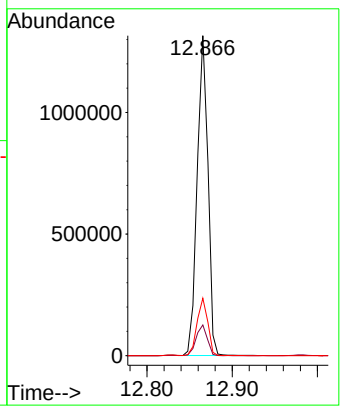
Tgt Ion:202 Resp: 115176

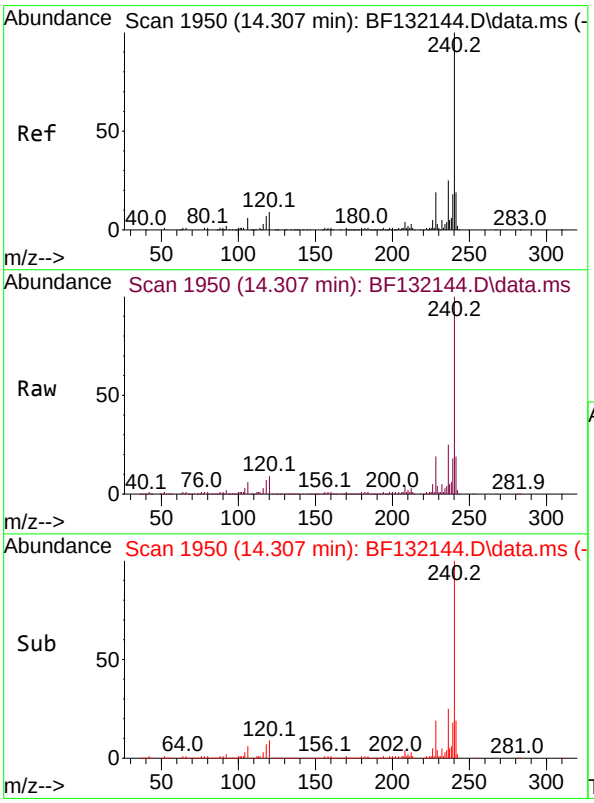
Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.6
203	17.9	0.0	37.9

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

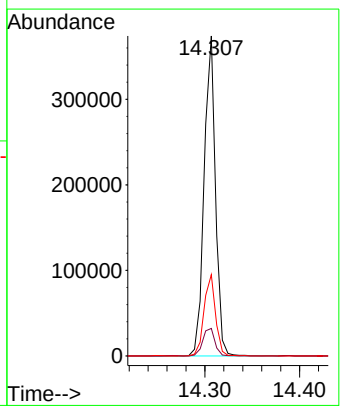


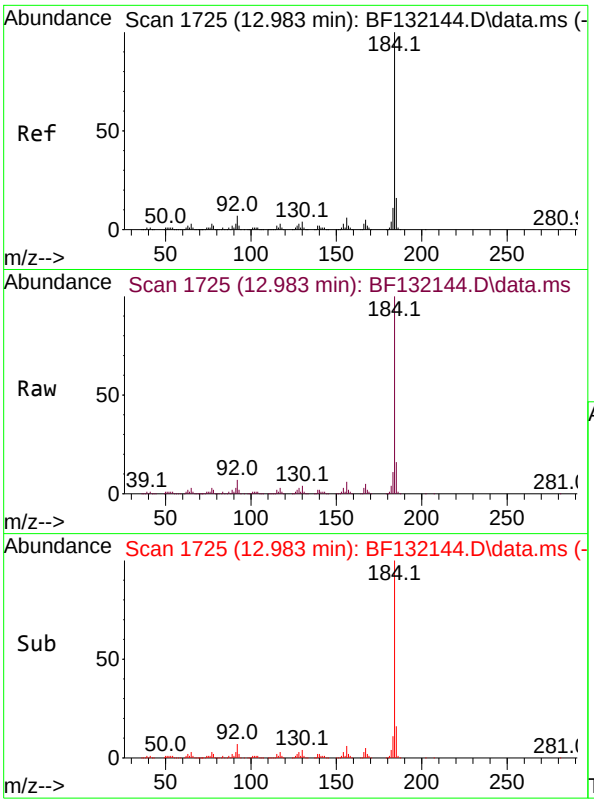


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.307 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:240 Resp: 311669

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.9	10.3
236	25.4	20.3	30.5

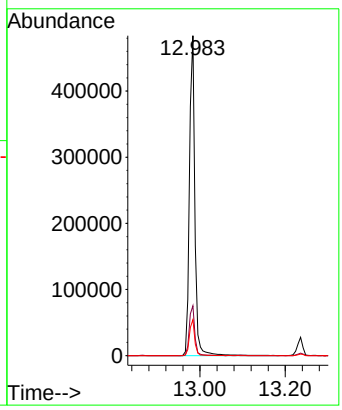




#77
Benzidine
Concen: 45.428 ng
RT: 12.983 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:184 Resp: 42510

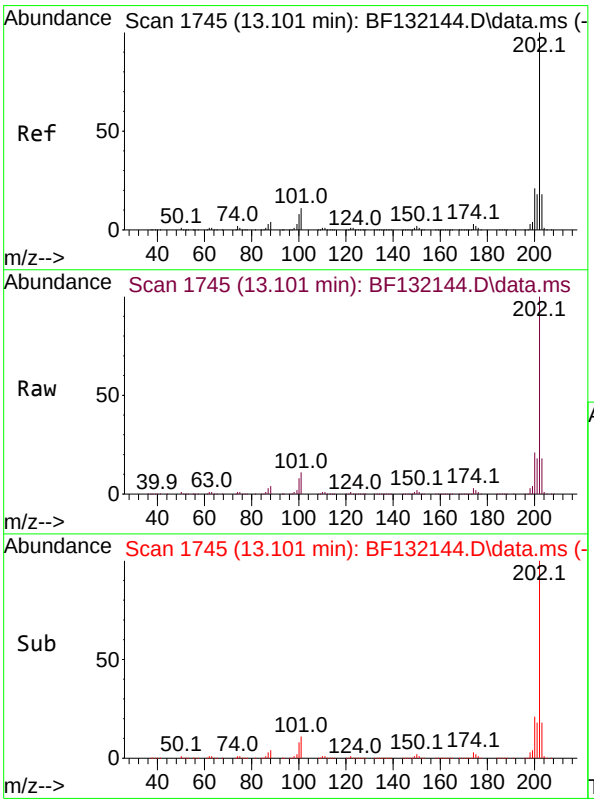
Ion	Ratio	Lower	Upper
184	100		
185	15.6	12.5	18.7
183	11.2	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

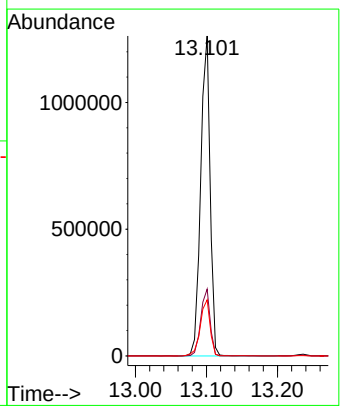
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

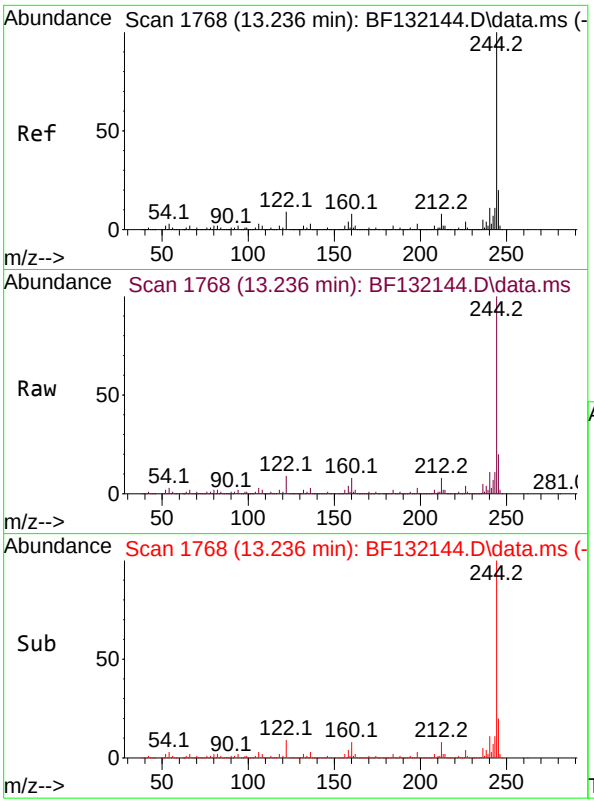


#78
Pyrene
Concen: 40.086 ng
RT: 13.101 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:202 Resp: 1151402

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.5	14.0	21.0

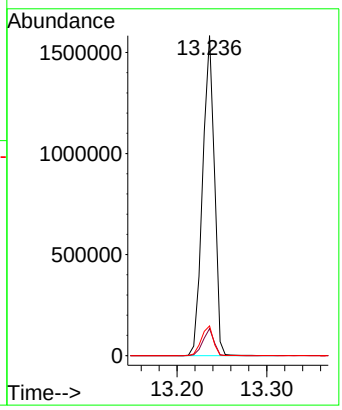




#79
Terphenyl-d14
Concen: 77.520 ng
RT: 13.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:244 Resp: 144232

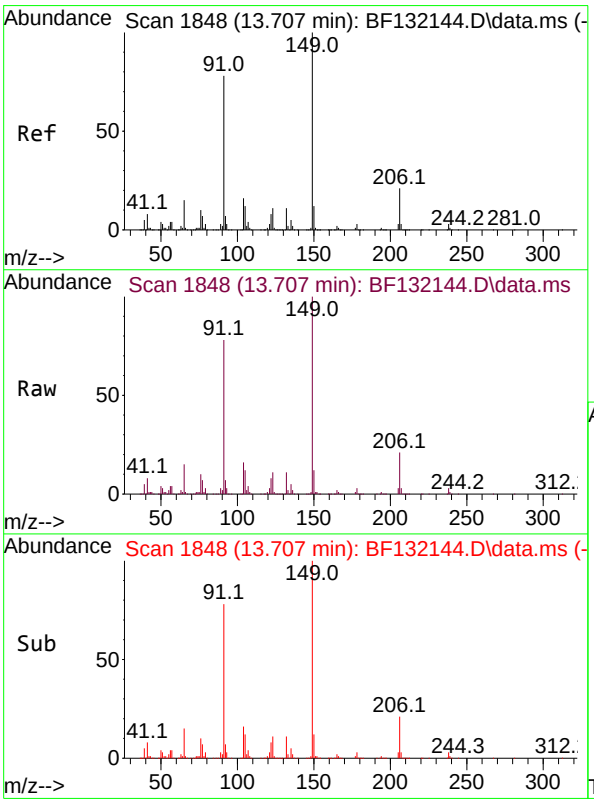
Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.7	10.1
122	9.3	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

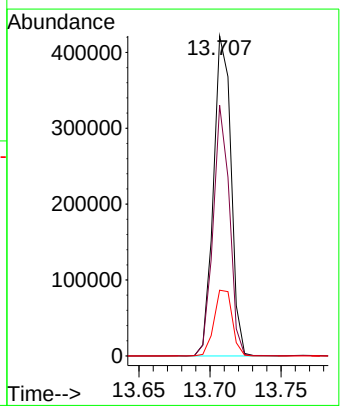
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

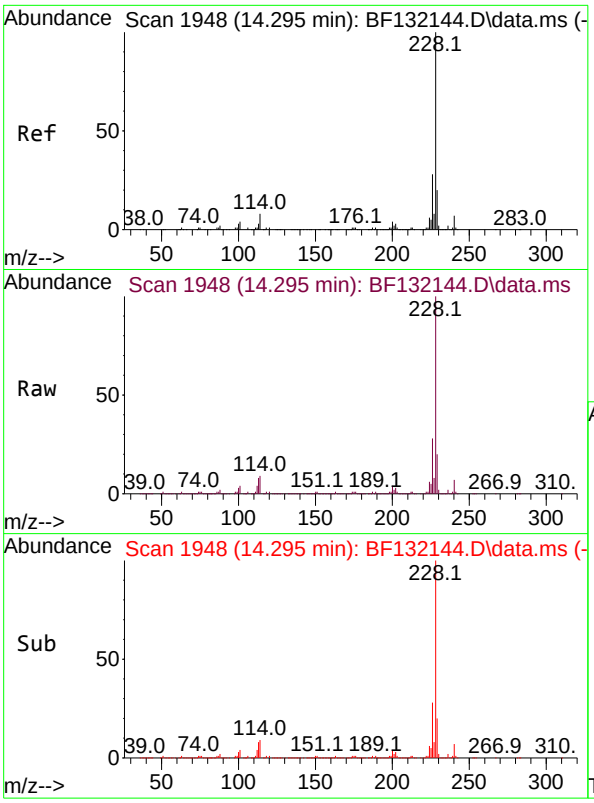


#80
Butylbenzylphthalate
Concen: 43.571 ng
RT: 13.707 min Scan# 1848
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:149 Resp: 362674

Ion	Ratio	Lower	Upper
149	100		
91	78.3	62.6	94.0
206	20.5	16.4	24.6





#81
Benzo(a)anthracene
Concen: 39.275 ng
RT: 14.295 min Scan# 19
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

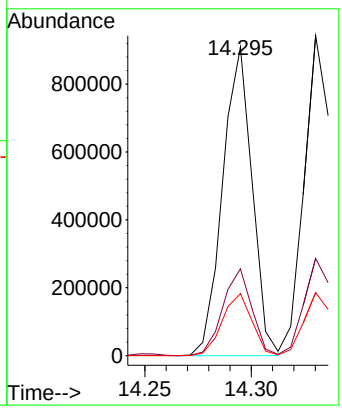
Tgt Ion:228 Resp: 87447

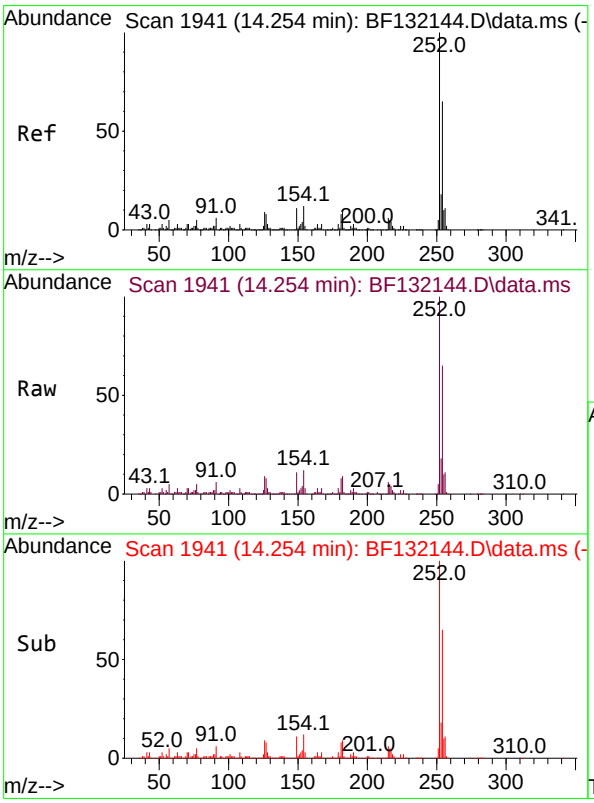
Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	20.1	16.1	24.1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

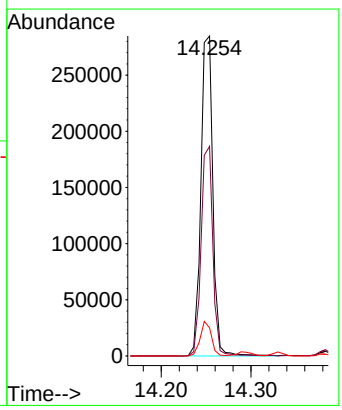


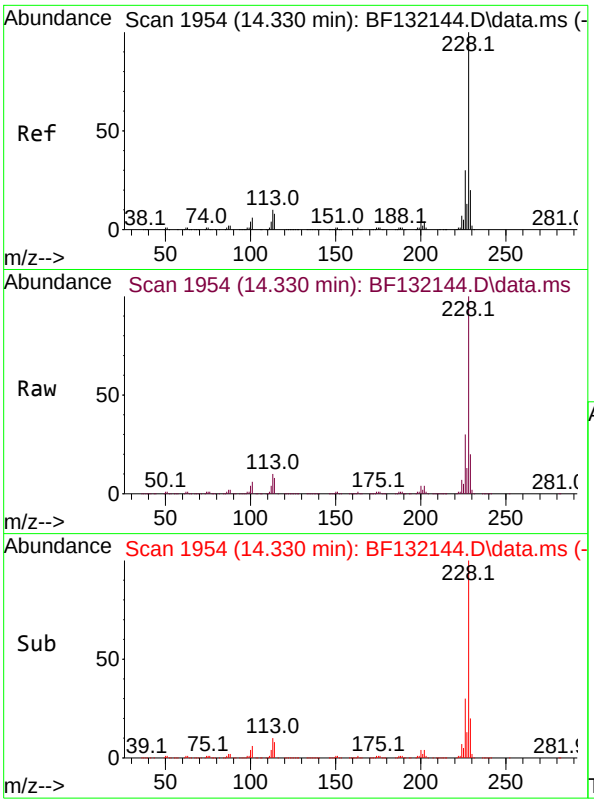


#82
3,3'-Dichlorobenzidine
Concen: 42.440 ng
RT: 14.254 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:252 Resp: 263165

Ion	Ratio	Lower	Upper
252	100		
254	65.5	52.4	78.6
126	8.8	7.0	10.6

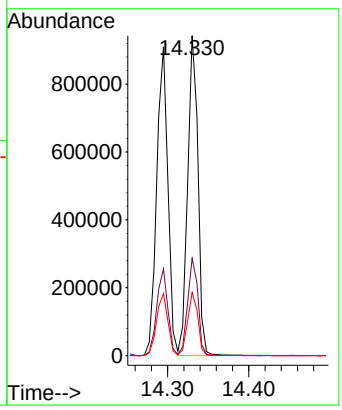




#83
Chrysene
Concen: 39.153 ng
RT: 14.330 min Scan# 19
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:228 Resp: 829789

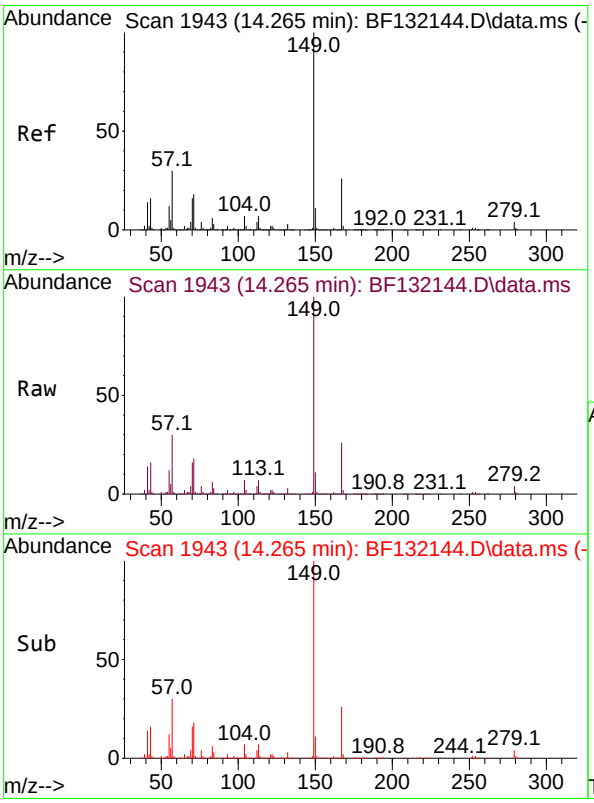
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.7	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

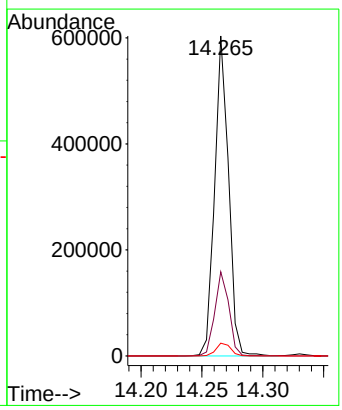
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

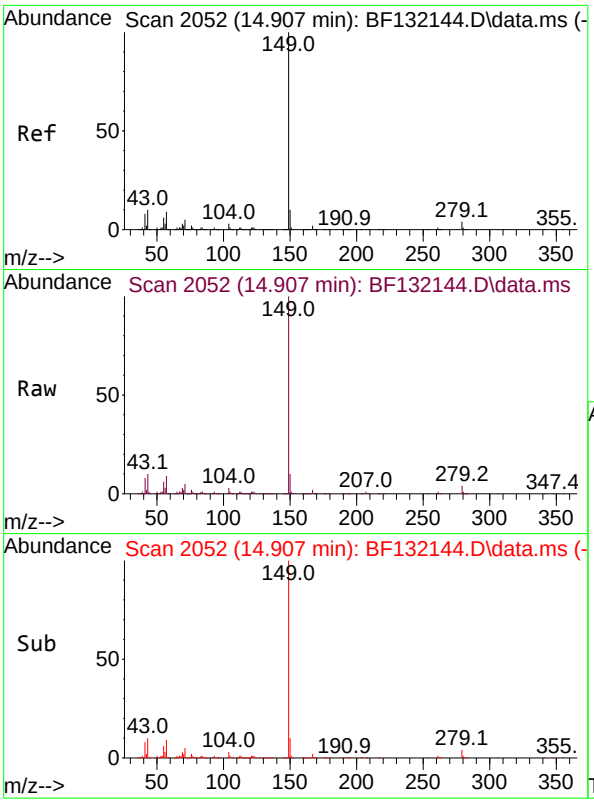


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.550 ng
RT: 14.265 min Scan# 1943
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:149 Resp: 478672

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.0	31.6
279	4.0	3.2	4.8

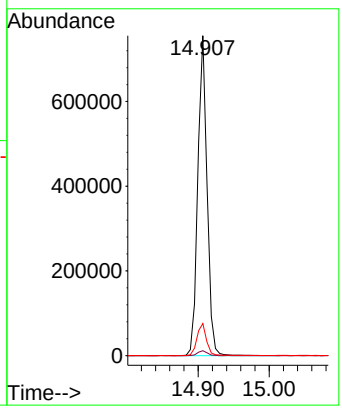




#85
Di-n-octyl phthalate
Concen: 40.365 ng
RT: 14.907 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:149 Resp: 681099

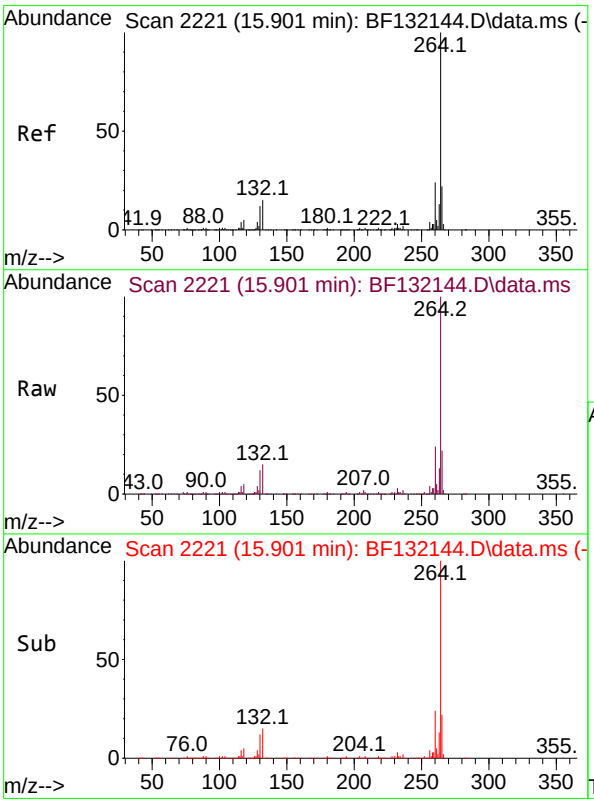
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.5	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

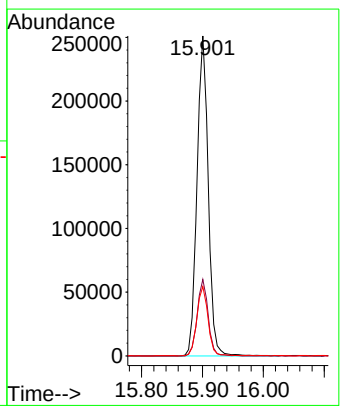
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

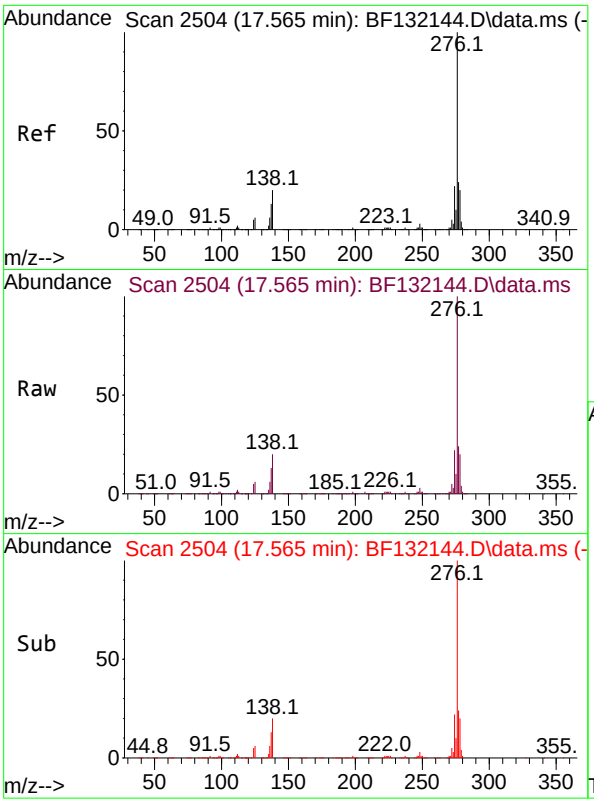


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.901 min Scan# 2221
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:264 Resp: 321403

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.7	17.4	26.0

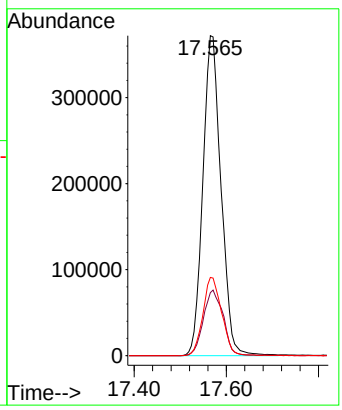




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.516 ng
RT: 17.565 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:276 Resp: 101498

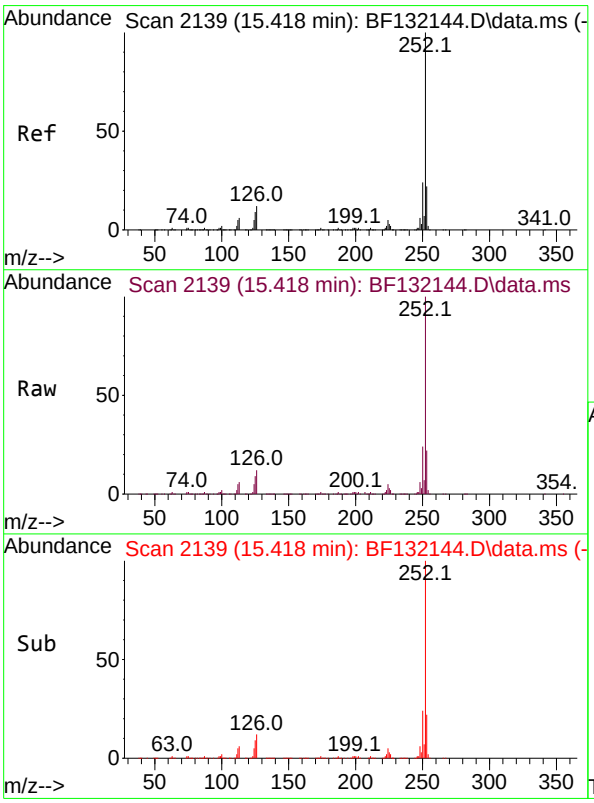
Ion	Ratio	Lower	Upper
276	100		
138	22.4	17.9	26.9
277	25.2	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

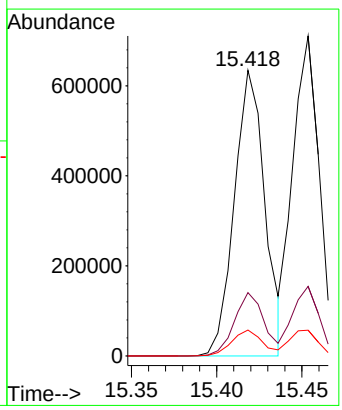
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

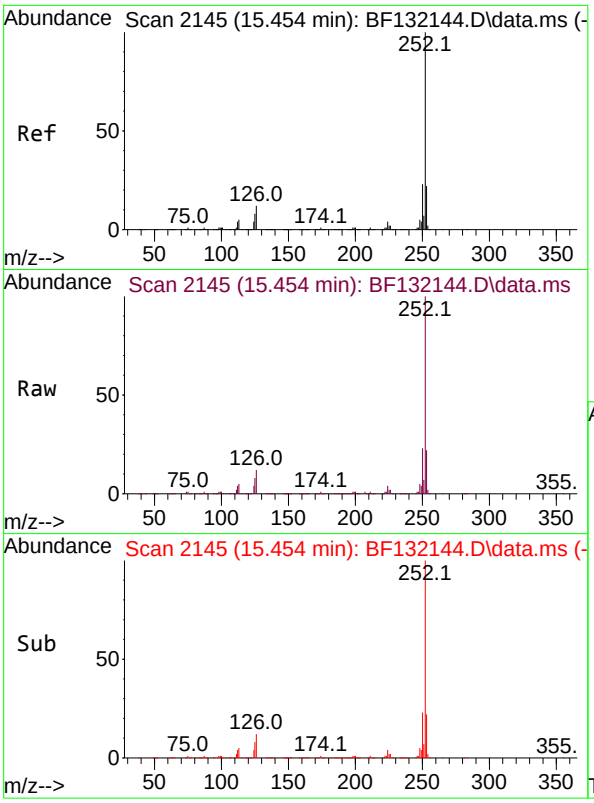


#88
Benzo(b)fluoranthene
Concen: 40.413 ng
RT: 15.418 min Scan# 2139
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:252 Resp: 790849

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	9.0	7.2	10.8

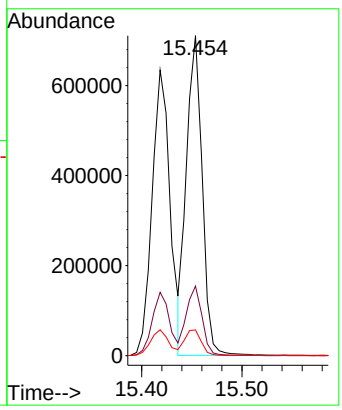




#89
Benzo(k)fluoranthene
Concen: 38.996 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:252 Resp: 77827

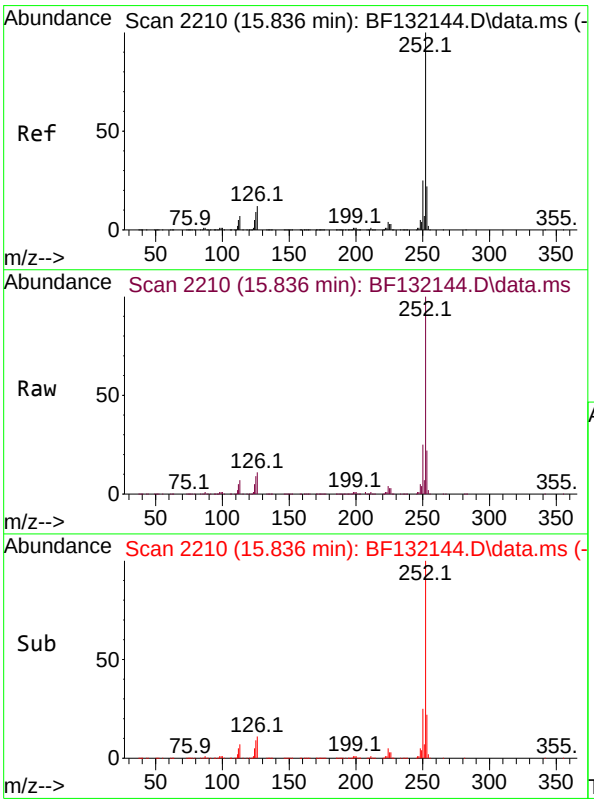
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	8.0	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

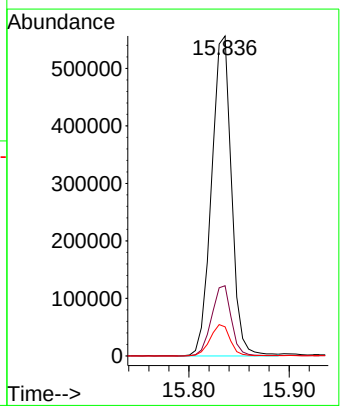
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

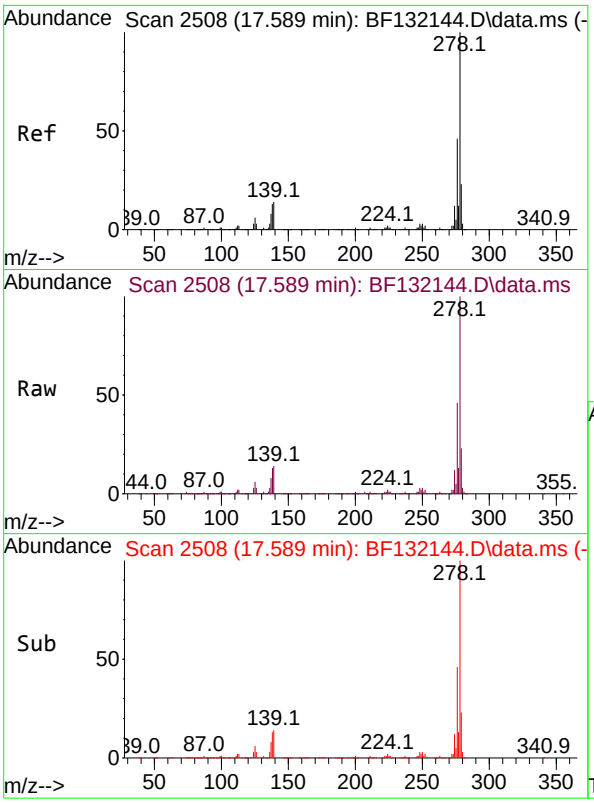


#90
Benzo(a)pyrene
Concen: 40.813 ng
RT: 15.836 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:252 Resp: 768300

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.1	7.3	10.9

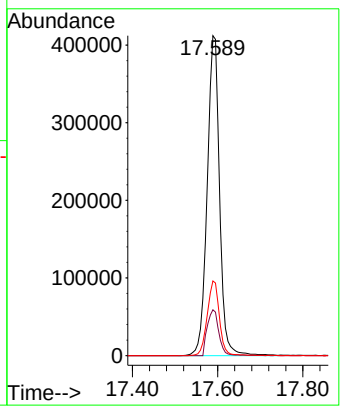




#91
Dibenzo(a,h)anthracene
Concen: 43.729 ng
RT: 17.589 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:278 Resp: 83178

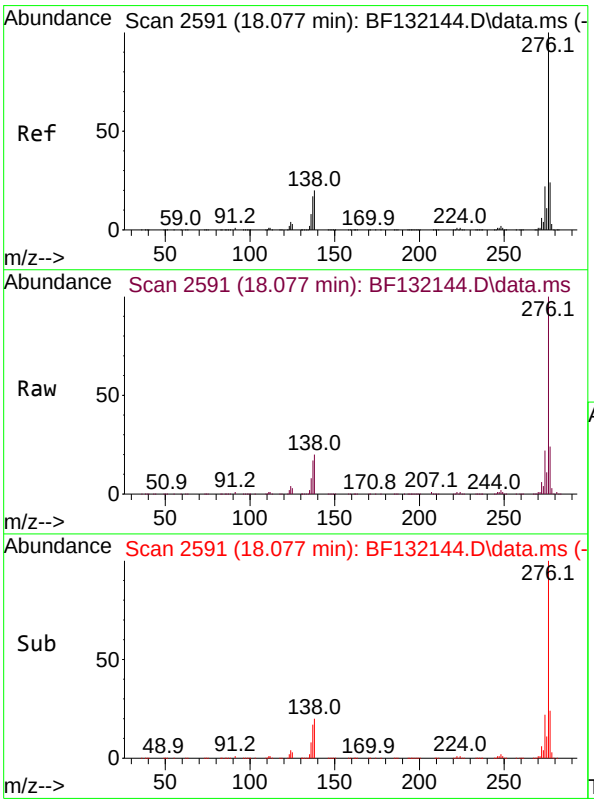
Ion	Ratio	Lower	Upper
278	100		
139	14.3	11.4	17.2
279	23.3	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

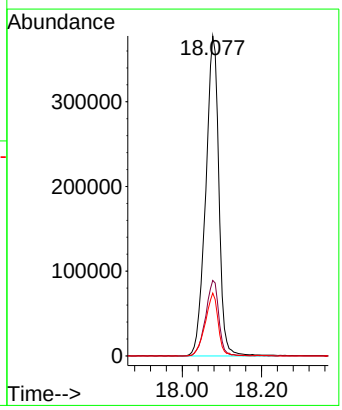
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#92
Benzo(g,h,i)perylene
Concen: 43.468 ng
RT: 18.077 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF132144.D
Acq: 19 Jan 2023 13:32

Tgt Ion:276 Resp: 870045

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.9	28.3
138	19.6	15.7	23.5



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132145.D
Acq On : 19 Jan 2023 14:05
Operator : CG\JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 20 00:12:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.089	152	177180	20.000	ng	0.00
21) Naphthalene-d8	8.378	136	595908	20.000	ng	0.00
39) Acenaphthene-d10	10.148	164	310298	20.000	ng	0.00
64) Phenanthrene-d10	11.642	188	585882	20.000	ng	0.00
76) Chrysene-d12	14.307	240	311022	20.000	ng	0.00
86) Perylene-d12	15.901	264	346490	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.707	112	941792	92.855	ng	0.00
7) Phenol-d6	6.707	99	1174162	91.963	ng	0.00
23) Nitrobenzene-d5	7.660	82	1105681	98.568	ng	0.00
42) 2,4,6-Tribromophenol	10.942	330	336280	101.459	ng	0.00
45) 2-Fluorobiphenyl	9.460	172	1802173	90.894	ng	0.00
79) Terphenyl-d14	13.236	244	1735431	93.467	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.013	88	244783	47.637	ng	99
3) Pyridine	3.778	79	662788	48.048	ng	99
4) n-Nitrosodimethylamine	3.743	42	320636	49.424	ng	98
6) Aniline	6.760	93	826125	46.528	ng	99
8) 2-Chlorophenol	6.878	128	500010	46.899	ng	96
9) Benzaldehyde	6.648	77	360380	43.875	ng	97
10) Phenol	6.719	94	609126	45.828	ng	99
11) bis(2-Chloroethyl)ether	6.825	93	521642	46.360	ng	99
12) 1,3-Dichlorobenzene	7.037	146	549927	46.144	ng	98
13) 1,4-Dichlorobenzene	7.113	146	548549	46.128	ng	98
14) 1,2-Dichlorobenzene	7.266	146	499841	45.457	ng	98
15) Benzyl Alcohol	7.225	79	482950m	48.786	ng	
16) 2,2'-oxybis(1-Chloropr...	7.360	45	766802	46.888	ng	99
17) 2-Methylphenol	7.325	107	438415	46.939	ng	98
18) Hexachloroethane	7.607	117	206517	48.379	ng	99
19) n-Nitroso-di-n-propyla...	7.501	70	353160	45.157	ng	98
20) 3+4-Methylphenols	7.484	107	547088	46.485	ng	97
22) Acetophenone	7.501	105	641650	44.799	ng	97
24) Nitrobenzene	7.678	77	577756	48.645	ng	97
25) Isophorone	7.913	82	1058764	48.238	ng	99
26) 2-Nitrophenol	7.989	139	229233	55.366	ng	95
27) 2,4-Dimethylphenol	8.019	122	459142	48.345	ng	99
28) bis(2-Chloroethoxy)met...	8.119	93	606059	46.022	ng	100
29) 2,4-Dichlorophenol	8.231	162	438374	48.619	ng	98
30) 1,2,4-Trichlorobenzene	8.319	180	476787	46.556	ng	99
31) Naphthalene	8.401	128	1402749	45.835	ng	99
32) Benzoic acid	8.125	122	297419m	53.348	ng	
33) 4-Chloroaniline	8.442	127	613040	46.808	ng	99
34) Hexachlorobutadiene	8.513	225	327490	47.602	ng	99
35) Caprolactam	8.825	113	133328	52.242	ng	95
36) 4-Chloro-3-methylphenol	8.913	107	454054	50.041	ng	96
37) 2-Methylnaphthalene	9.095	142	957373	45.435	ng	99
38) 1-Methylnaphthalene	9.195	142	892550	45.525	ng	98
40) 1,2,4,5-Tetrachloroben...	9.260	216	497324	46.064	ng	99
41) Hexachlorocyclopentadiene	9.248	237	301713	51.212	ng	99
43) 2,4,6-Trichlorophenol	9.366	196	339356	50.648	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132145.D
Acq On : 19 Jan 2023 14:05
Operator : CG\JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 20 00:12:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.401	196	391297	49.934	ng		97
46) 1,1'-Biphenyl	9.560	154	1124635	45.940	ng		99
47) 2-Chloronaphthalene	9.589	162	877513	46.370	ng		97
48) 2-Nitroaniline	9.678	65	303436	55.690	ng		97
49) Acenaphthylene	10.007	152	1423101	47.008	ng		99
50) Dimethylphthalate	9.860	163	1061697	47.242	ng		99
51) 2,6-Dinitrotoluene	9.919	165	232348	53.340	ng		88
52) Acenaphthene	10.183	154	841514	46.213	ng		99
53) 3-Nitroaniline	10.095	138	247567	53.158	ng		96
54) 2,4-Dinitrophenol	10.189	184	96577	54.894	ng	#	33
55) Dibenzofuran	10.354	168	1312755	46.650	ng		98
56) 4-Nitrophenol	10.230	139	187684	55.373	ng		90
57) 2,4-Dinitrotoluene	10.325	165	288781	55.230	ng		95
58) Fluorene	10.701	166	945267	45.333	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.466	232	305023	51.170	ng		99
60) Diethylphthalate	10.560	149	1077388	48.887	ng		99
61) 4-Chlorophenyl-phenyle...	10.683	204	515105	46.133	ng		97
62) 4-Nitroaniline	10.713	138	224981	51.889	ng		100
63) Azobenzene	10.848	77	1046552	47.316	ng		97
65) 4,6-Dinitro-2-methylph...	10.736	198	137036	53.948	ng		90
66) n-Nitrosodiphenylamine	10.807	169	875788	46.675	ng		99
67) 4-Bromophenyl-phenylether	11.183	248	336414	47.108	ng		92
68) Hexachlorobenzene	11.248	284	335056	47.208	ng		96
69) Atrazine	11.324	200	277856	47.996	ng		98
70) Pentachlorophenol	11.436	266	243980	53.494	ng		99
71) Phenanthrene	11.672	178	1406598	45.749	ng		99
72) Anthracene	11.724	178	1413425	45.441	ng		100
73) Carbazole	11.871	167	1214908	45.726	ng		100
74) Di-n-butylphthalate	12.195	149	1431340	48.393	ng		99
75) Fluoranthene	12.866	202	1433519	45.390	ng		100
77) Benzidine	12.983	184	442327	47.367	ng		99
78) Pyrene	13.101	202	1414860	49.360	ng		99
80) Butylbenzylphthalate	13.707	149	464683	55.942	ng		99
81) Benzo(a)anthracene	14.295	228	1090452	49.077	ng		100
82) 3,3'-Dichlorobenzidine	14.254	252	324871	52.500	ng		99
83) Chrysene	14.330	228	1018676	48.165	ng		99
84) Bis(2-ethylhexyl)phtha...	14.265	149	612928	55.881	ng		100
85) Di-n-octyl phthalate	14.907	149	923139	54.824	ng		99
87) Indeno(1,2,3-cd)pyrene	17.571	276	1347579	53.593	ng		100
88) Benzo(b)fluoranthene	15.418	252	1008597	47.809	ng		100
89) Benzo(k)fluoranthene	15.454	252	1002201	46.580	ng		98
90) Benzo(a)pyrene	15.836	252	1011307	49.832	ng		99
91) Dibenzo(a,h)anthracene	17.595	278	1082263	52.778	ng		98
92) Benzo(g,h,i)perylene	18.089	276	1150332	53.311	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

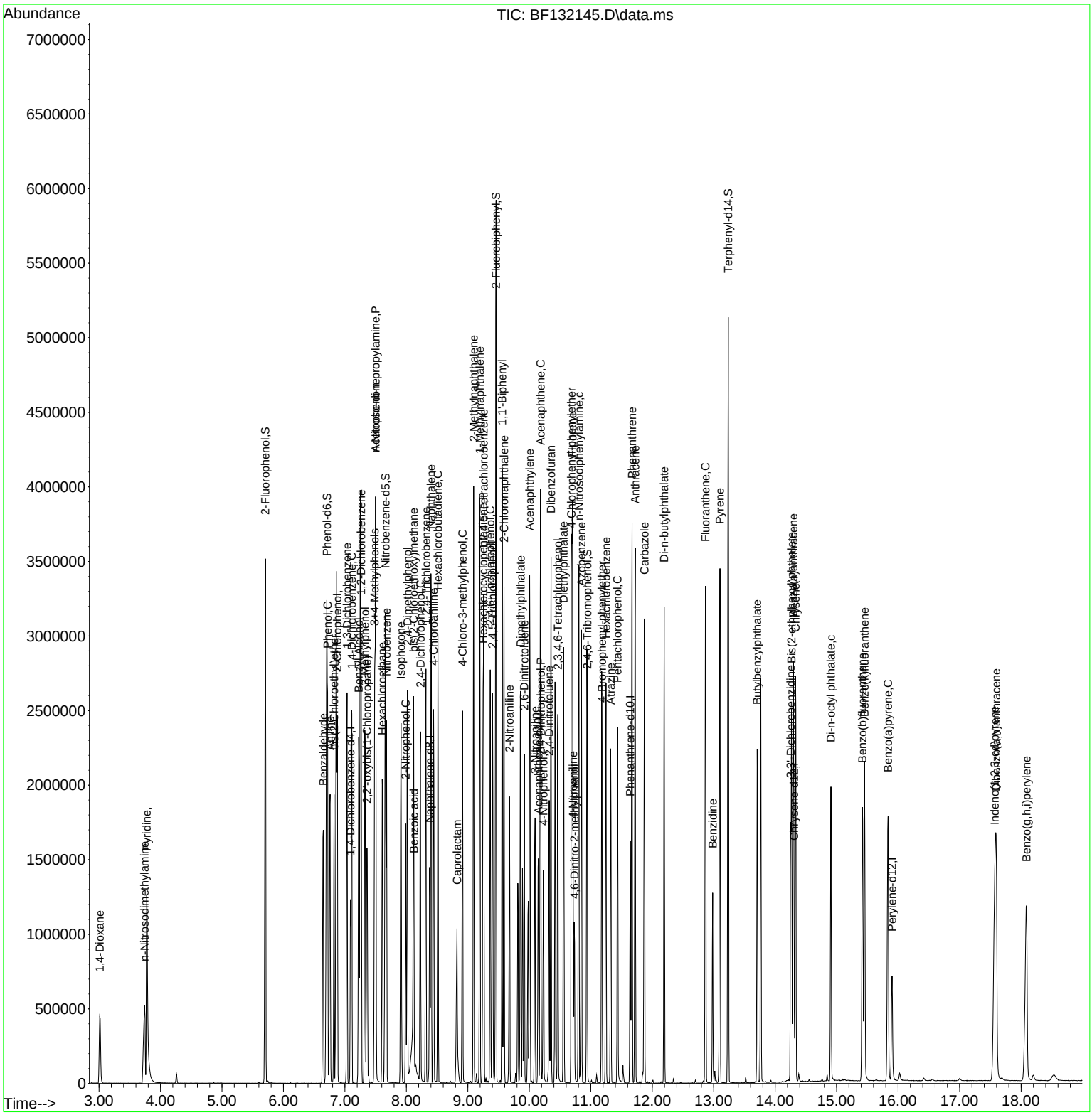
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132145.D
Acq On : 19 Jan 2023 14:05
Operator : CG\JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

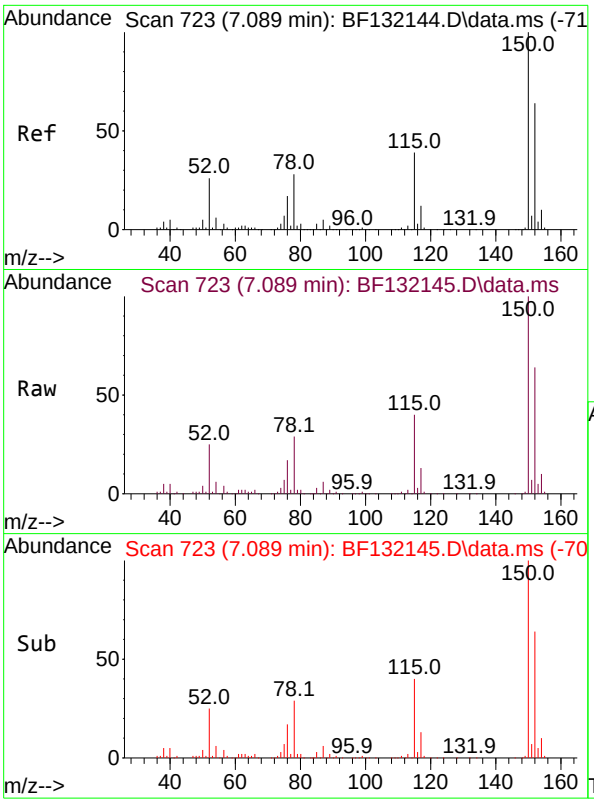
Quant Time: Jan 20 00:12:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

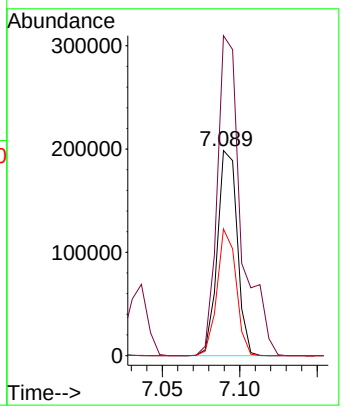




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.089 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:152 Resp: 17718

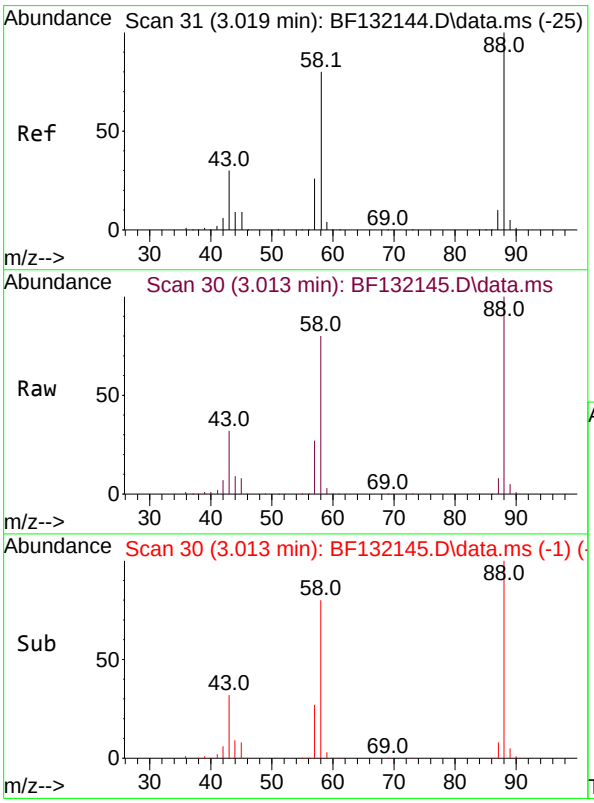
Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.8	188.8
115	61.8	49.2	73.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

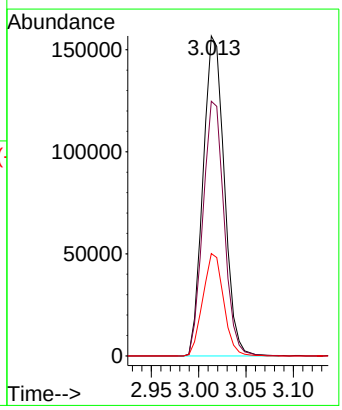
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

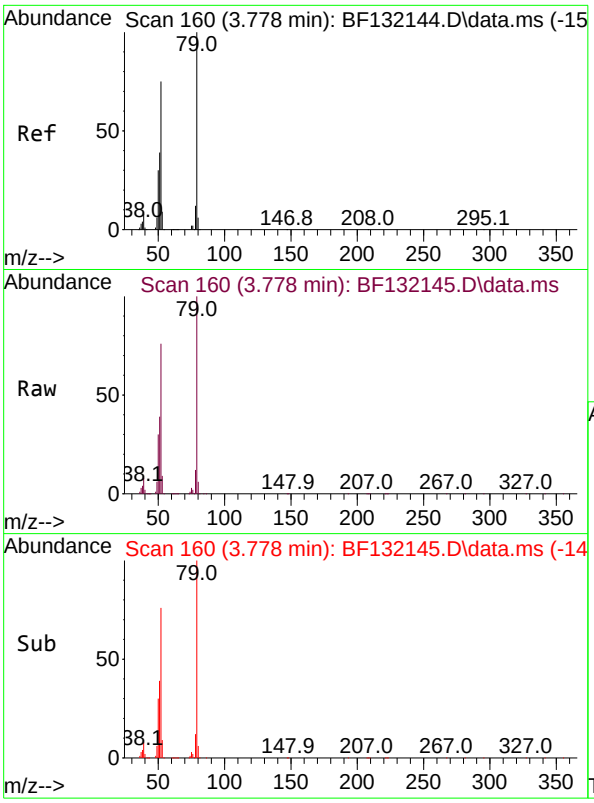


#2
1,4-Dioxane
Concen: 47.637 ng
RT: 3.013 min Scan# 30
Delta R.T. -0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 88 Resp: 244783

Ion	Ratio	Lower	Upper
88	100		
58	78.9	64.0	96.0
43	31.3	24.2	36.4

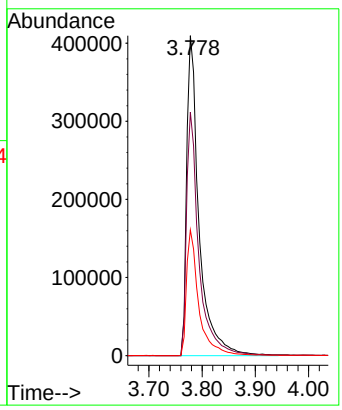




#3
Pyridine
Concen: 48.048 ng
RT: 3.778 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 79 Resp: 66278

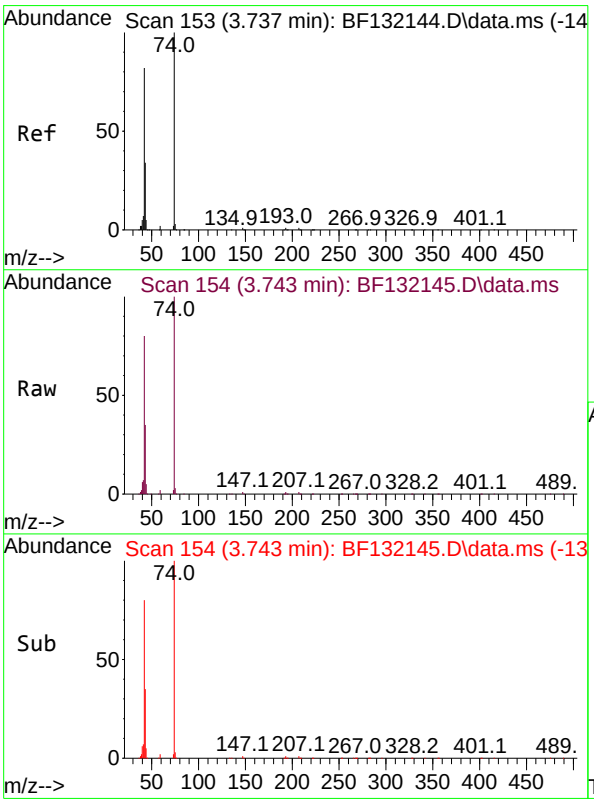
Ion	Ratio	Lower	Upper
79	100		
52	76.1	60.1	90.1
51	39.3	31.4	47.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

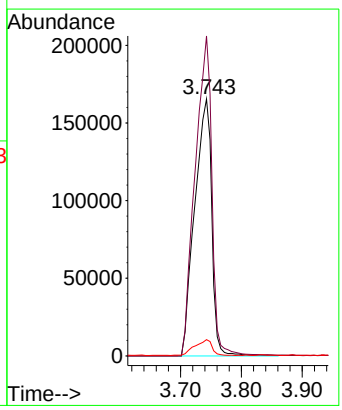
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

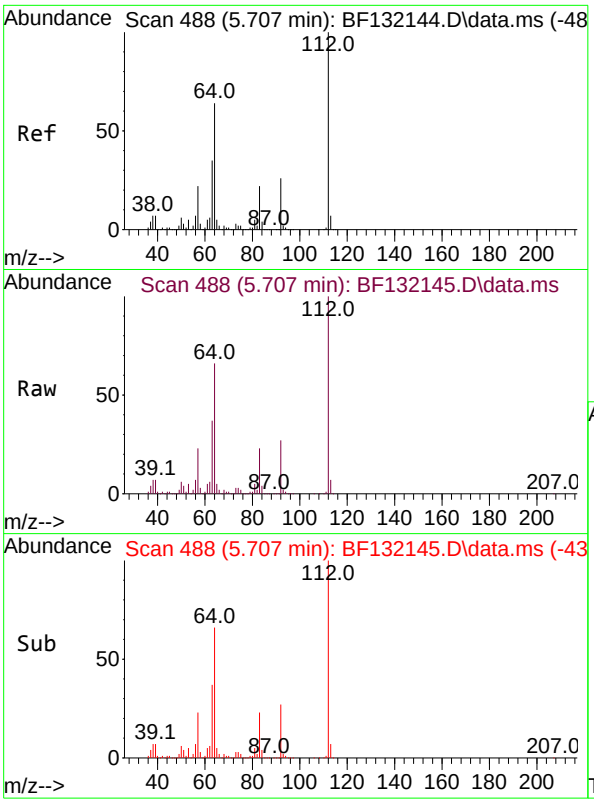


#4
n-Nitrosodimethylamine
Concen: 49.424 ng
RT: 3.743 min Scan# 154
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 42 Resp: 320636

Ion	Ratio	Lower	Upper
42	100		
74	124.6	98.1	147.1
44	6.3	5.2	7.8





#5
2-Fluorophenol
Concen: 92.855 ng
RT: 5.707 min Scan# 48
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

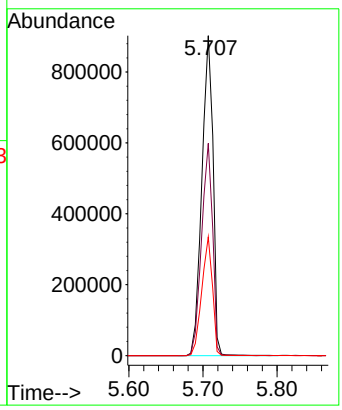
Tgt Ion:112 Resp: 941791

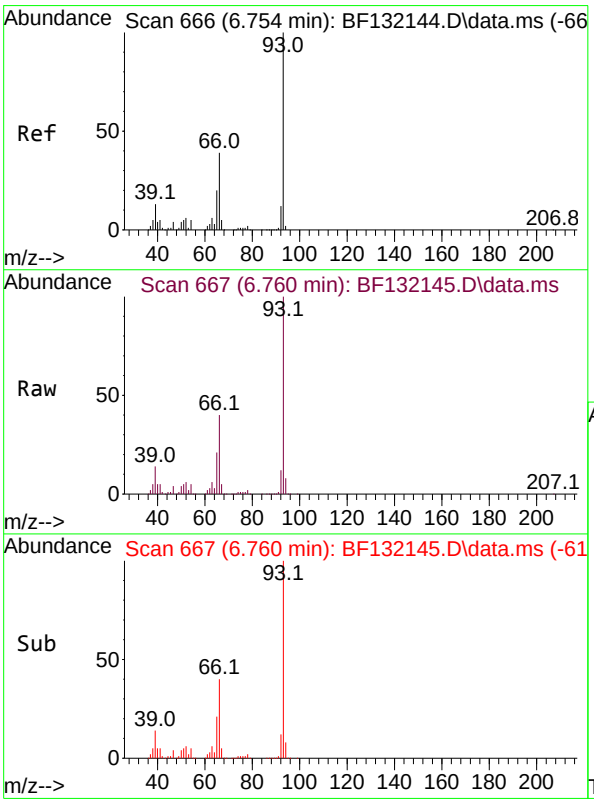
Ion	Ratio	Lower	Upper
112	100		
64	66.3	51.4	77.0
63	37.1	28.2	42.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

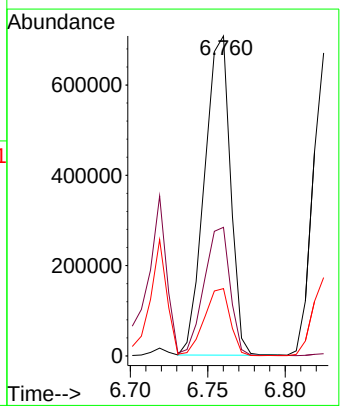


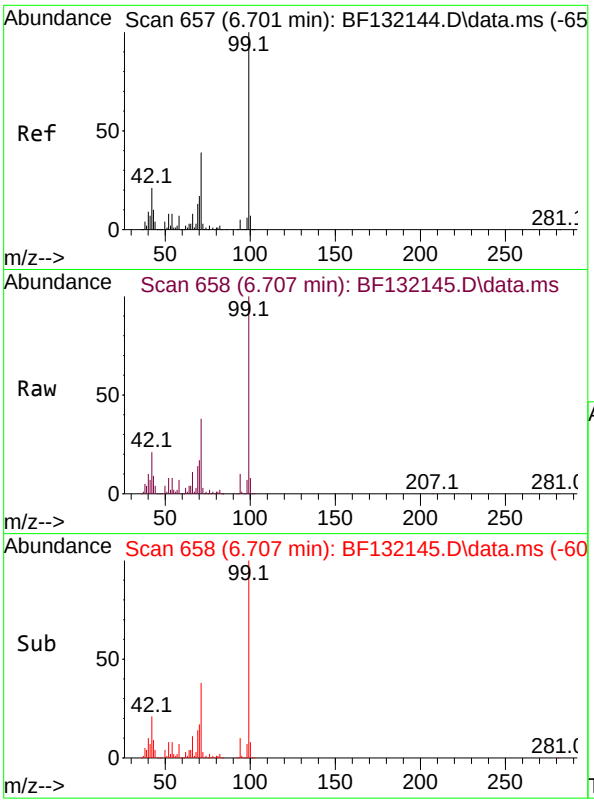


#6
Aniline
Concen: 46.528 ng
RT: 6.760 min Scan# 667
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 93 Resp: 826125

Ion	Ratio	Lower	Upper
93	100		
66	40.2	33.0	49.6
65	21.0	16.8	25.2

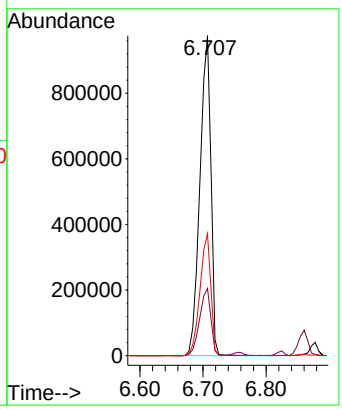




#7
Phenol-d6
Concen: 91.963 ng
RT: 6.707 min Scan# 6
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 99 Resp: 117416

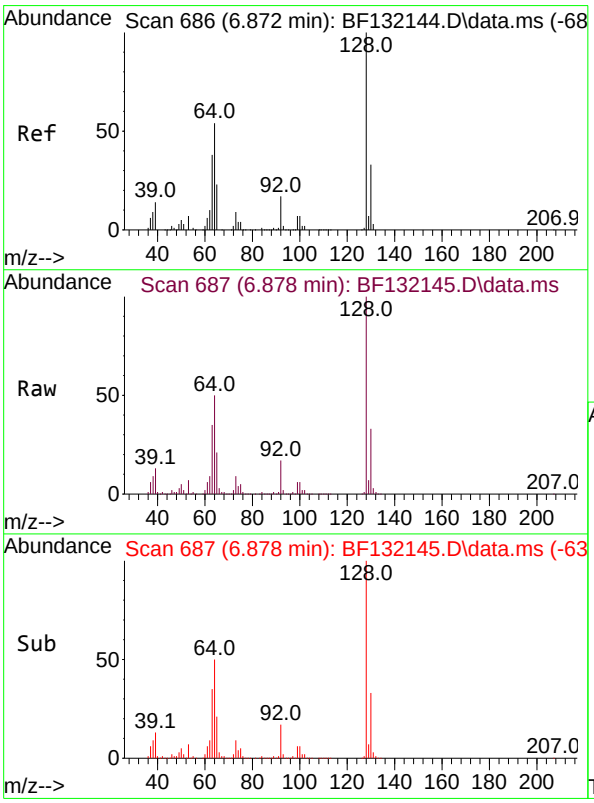
Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.6	24.8
71	38.1	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

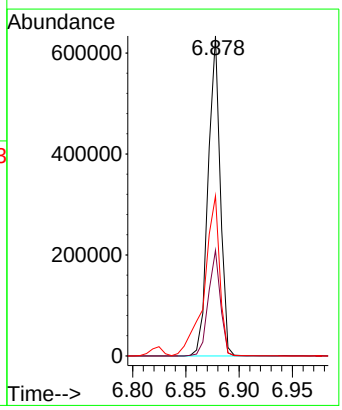
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

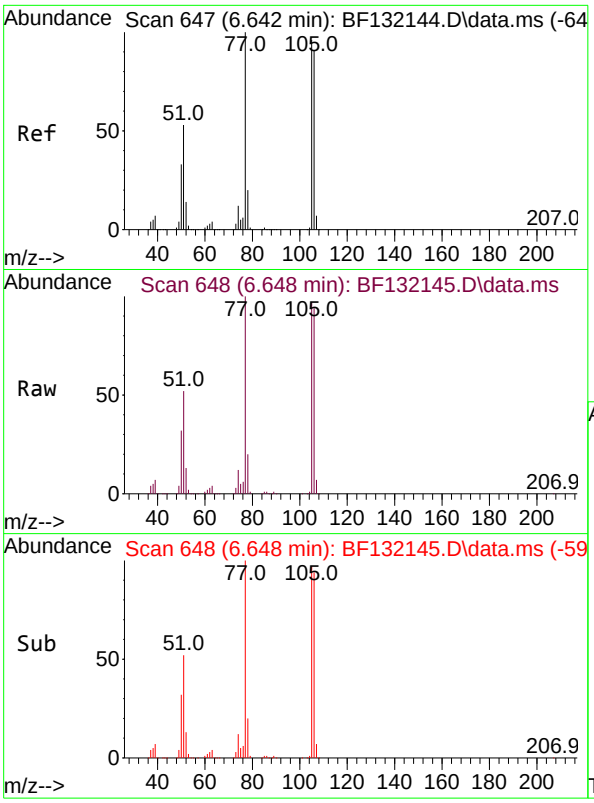


#8
2-Chlorophenol
Concen: 46.899 ng
RT: 6.878 min Scan# 687
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:128 Resp: 500010

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.8	52.8
64	50.0	34.8	74.8

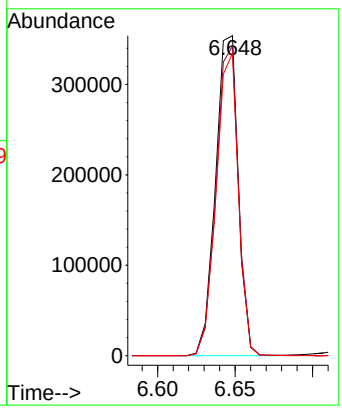




#9
Benzaldehyde
Concen: 43.875 ng
RT: 6.648 min Scan# 64
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 77 Resp: 360380

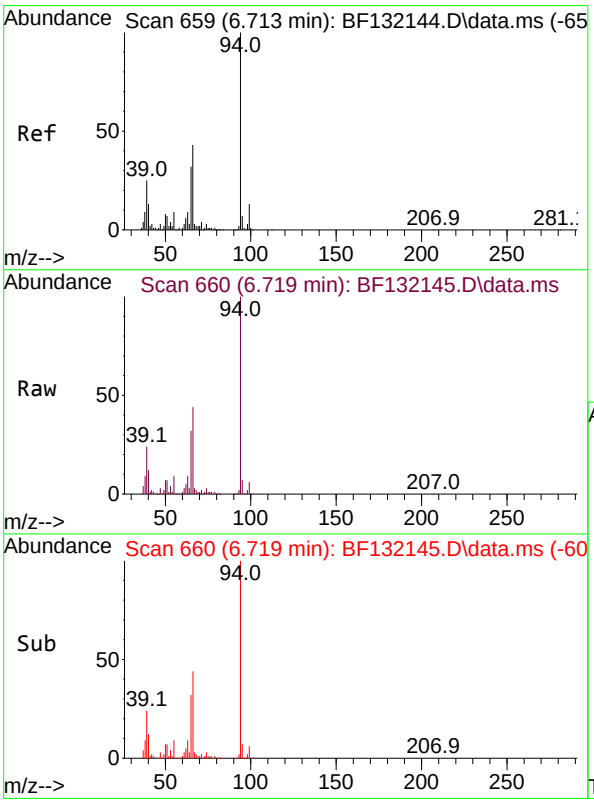
Ion	Ratio	Lower	Upper
77	100		
105	96.6	75.5	115.5
106	94.5	70.7	110.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

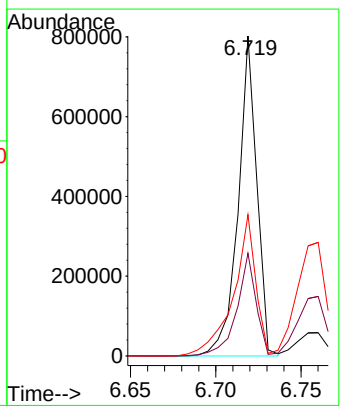
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

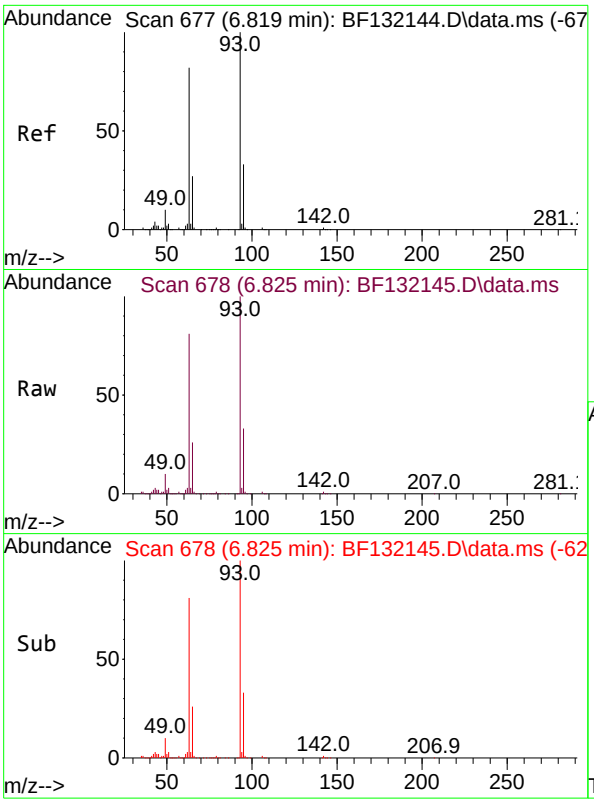


#10
Phenol
Concen: 45.828 ng
RT: 6.719 min Scan# 660
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 94 Resp: 609126

Ion	Ratio	Lower	Upper
94	100		
65	32.1	12.0	52.0
66	44.1	22.7	62.7

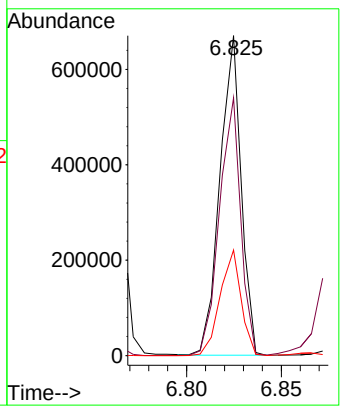




#11
bis(2-Chloroethyl)ether
Concen: 46.360 ng
RT: 6.825 min Scan# 6
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 93 Resp: 52164

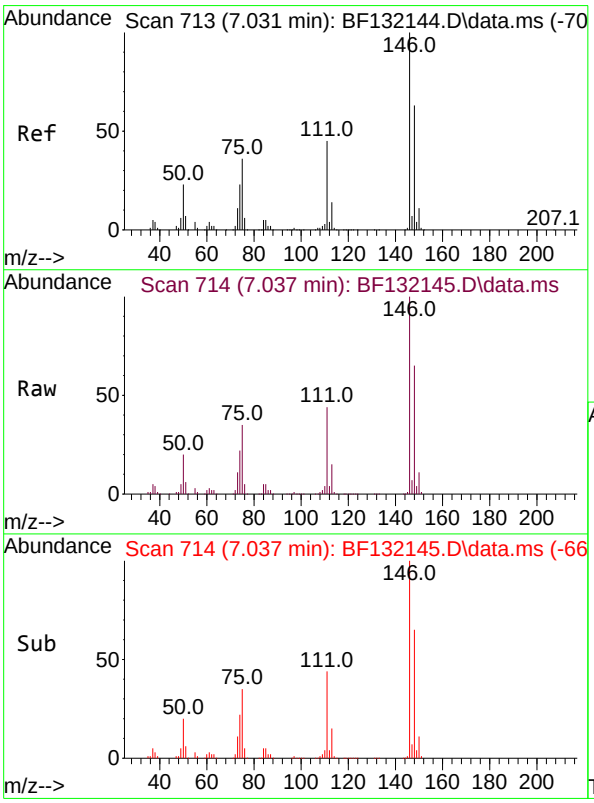
Ion	Ratio	Lower	Upper
93	100		
63	80.6	61.6	101.6
95	33.0	12.7	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

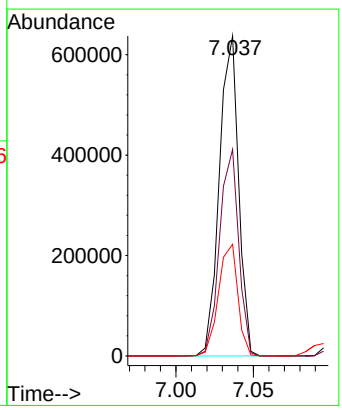
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

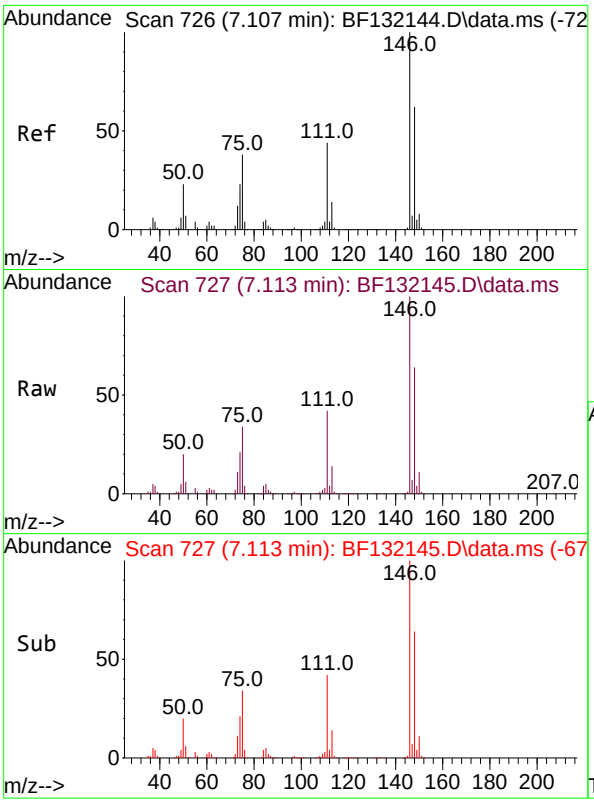


#12
1,3-Dichlorobenzene
Concen: 46.144 ng
RT: 7.037 min Scan# 714
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:146 Resp: 549927

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.0	75.0
75	34.9	28.8	43.2

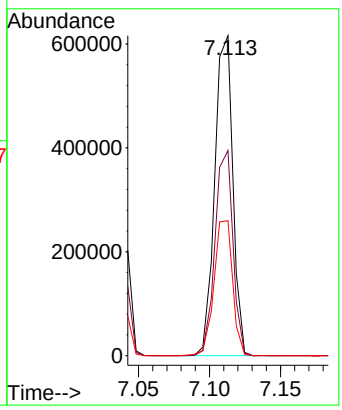




#13
1,4-Dichlorobenzene
Concen: 46.128 ng
RT: 7.113 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:146 Resp: 548549

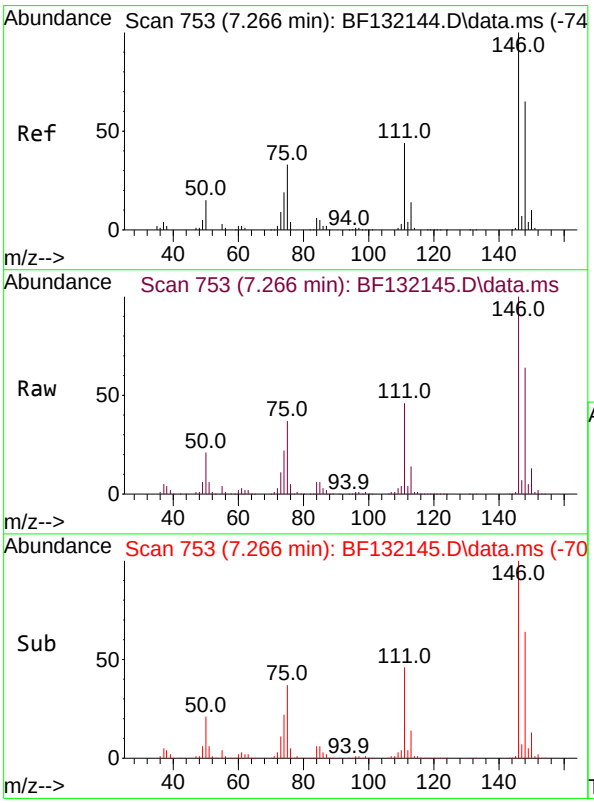
Ion	Ratio	Lower	Upper
146	100		
148	64.1	49.9	74.9
111	42.2	35.2	52.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

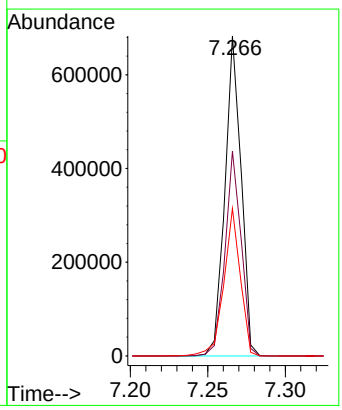
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

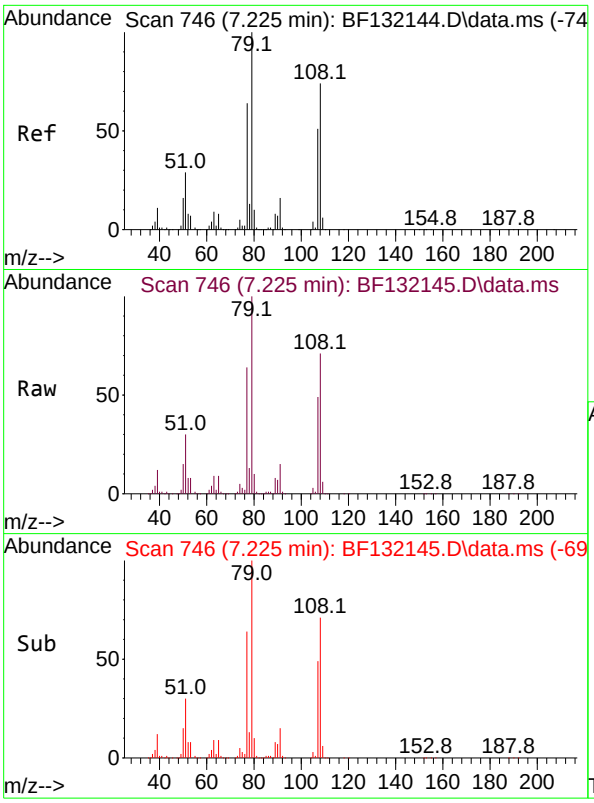


#14
1,2-Dichlorobenzene
Concen: 45.457 ng
RT: 7.266 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:146 Resp: 499841

Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.0	78.0
111	46.1	35.4	53.2

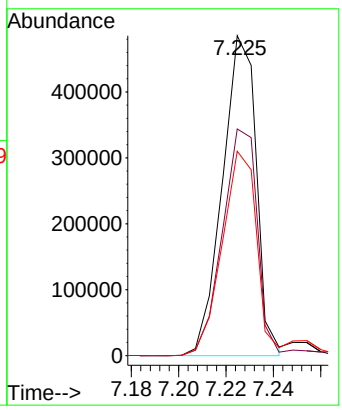




#15
Benzyl Alcohol
Concen: 48.786 ng m
RT: 7.225 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 79 Resp: 48295

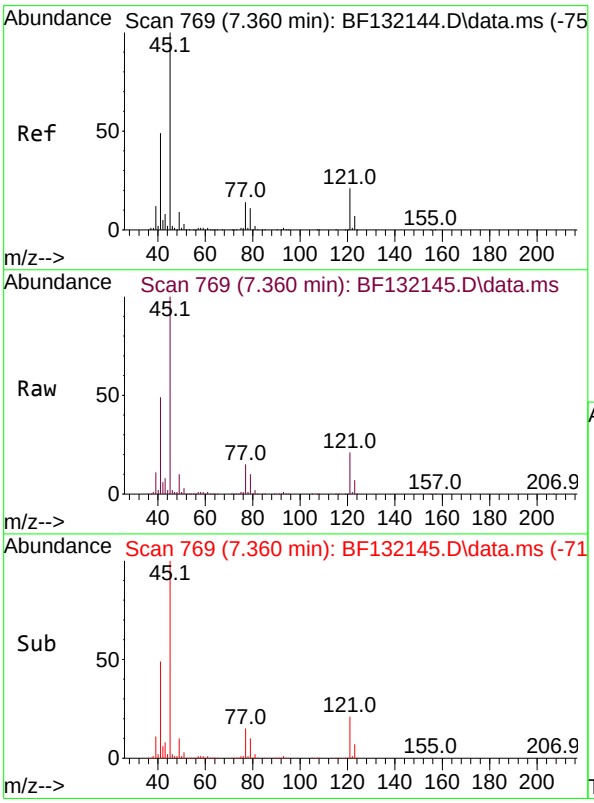
Ion	Ratio	Lower	Upper
79	100		
108	70.8	58.9	88.3
77	63.9	51.1	76.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

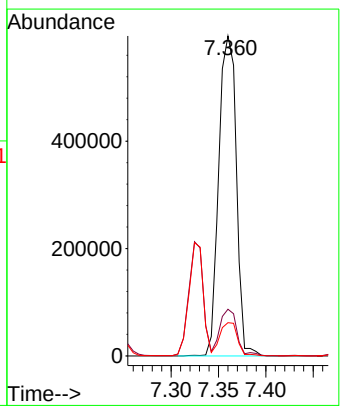
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

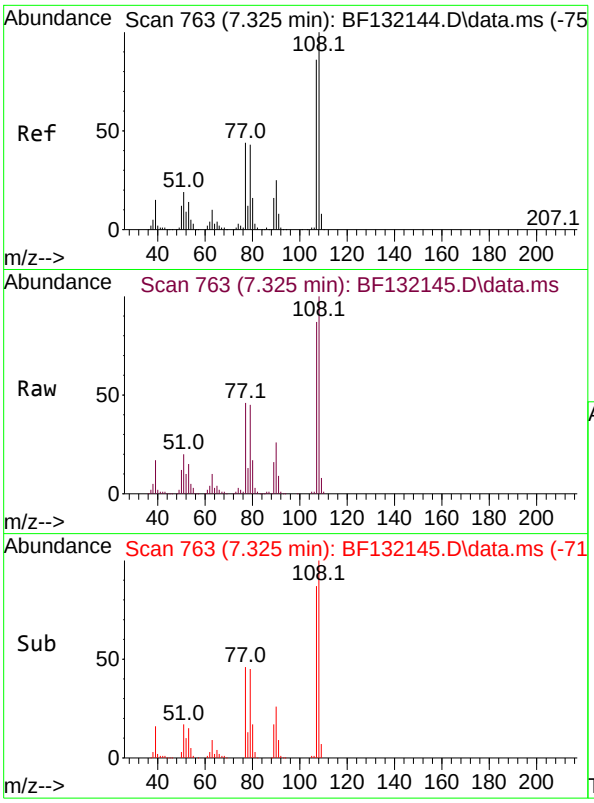


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.888 ng
RT: 7.360 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 45 Resp: 766802

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	34.3
79	10.4	0.0	30.9

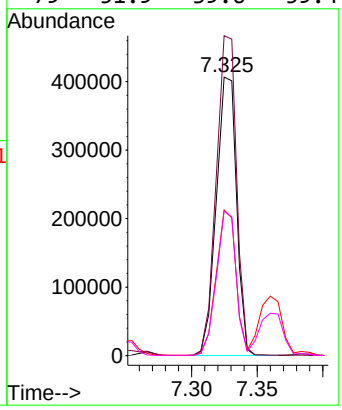




#17
2-Methylphenol
Concen: 46.939 ng
RT: 7.325 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:107 Resp: 43841

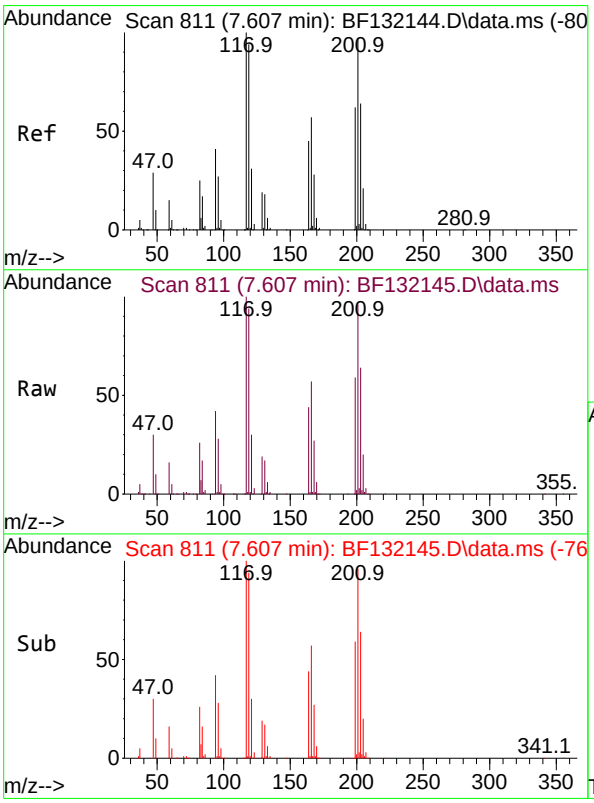
Ion	Ratio	Lower	Upper
107	100		
108	114.9	92.8	139.2
77	52.3	41.1	61.7
79	51.9	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

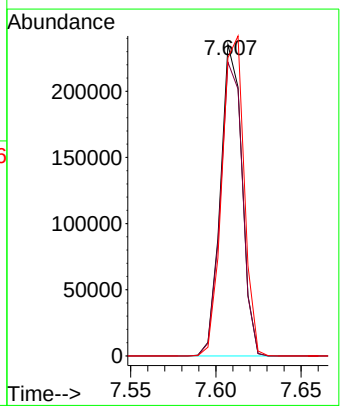
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

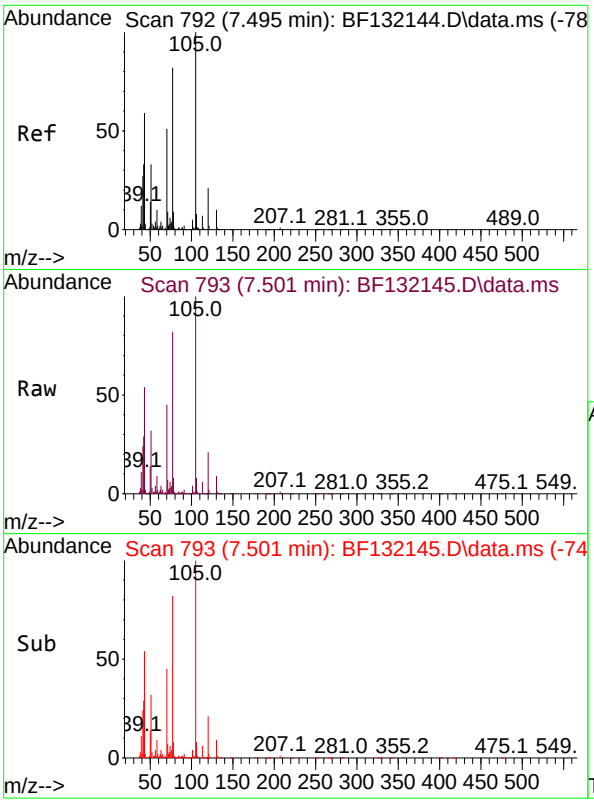


#18
Hexachloroethane
Concen: 48.379 ng
RT: 7.607 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:117 Resp: 206517

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.4	113.0
201	95.8	77.9	116.9

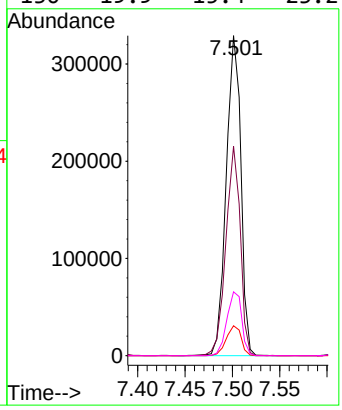




#19
n-Nitroso-di-n-propylamine
Concen: 45.157 ng
RT: 7.501 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 70 Resp: 353160

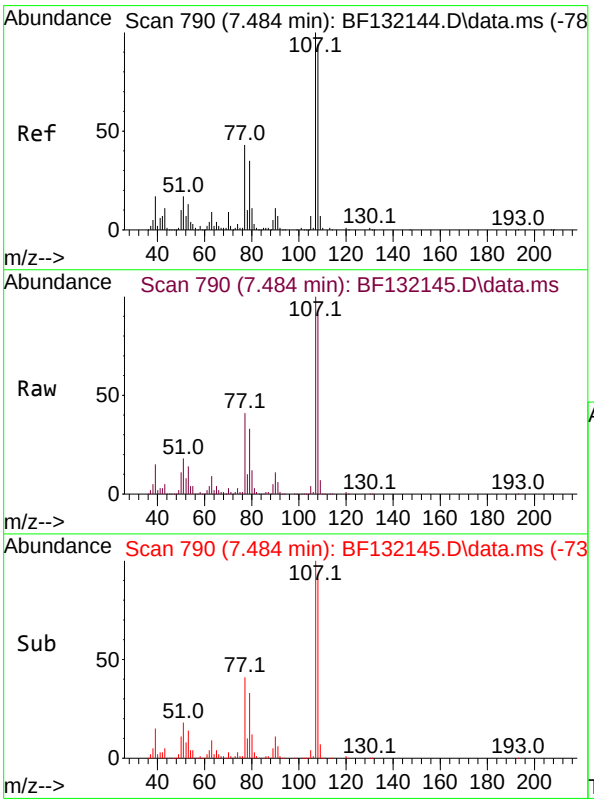
Ion	Ratio	Lower	Upper
70	100		
42	65.4	51.0	76.4
101	9.3	7.3	10.9
130	19.9	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

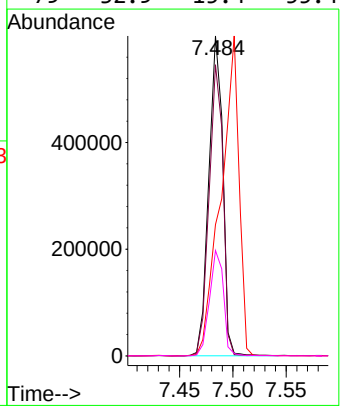
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

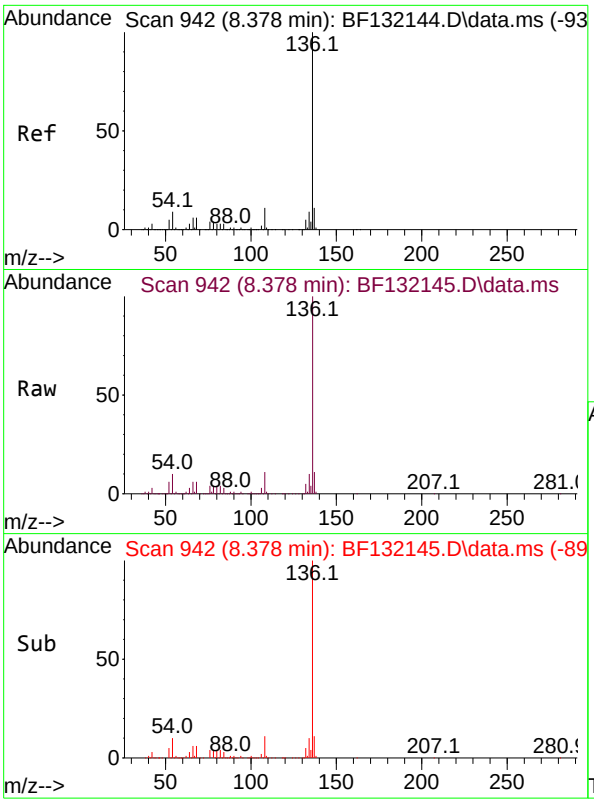


#20
3+4-Methylphenols
Concen: 46.485 ng
RT: 7.484 min Scan# 790
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:107 Resp: 547088

Ion	Ratio	Lower	Upper
107	100		
108	91.0	73.8	113.8
77	41.0	22.8	62.8
79	32.9	15.4	55.4

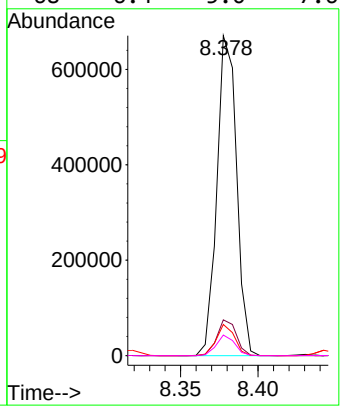




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.378 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:136 Resp: 595908

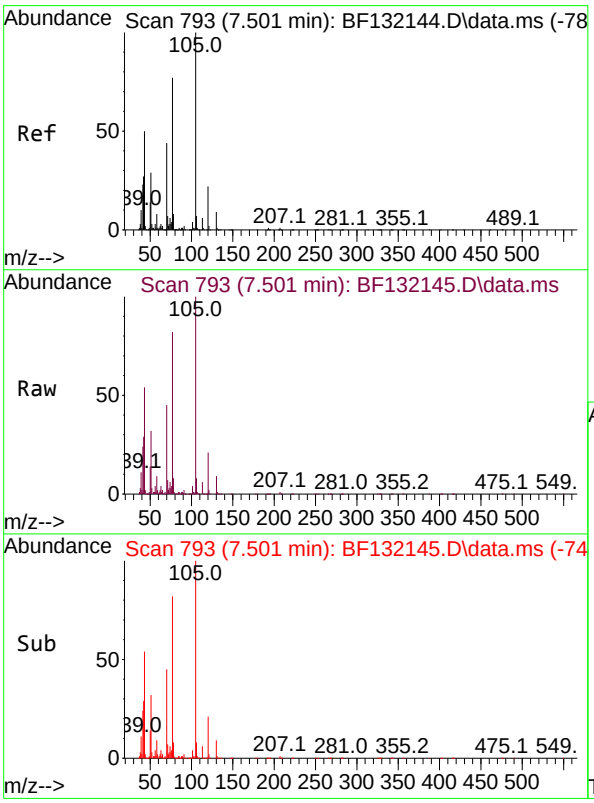
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.8	7.0	10.6
68	6.4	5.0	7.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

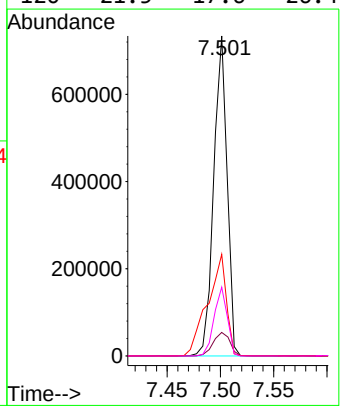
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

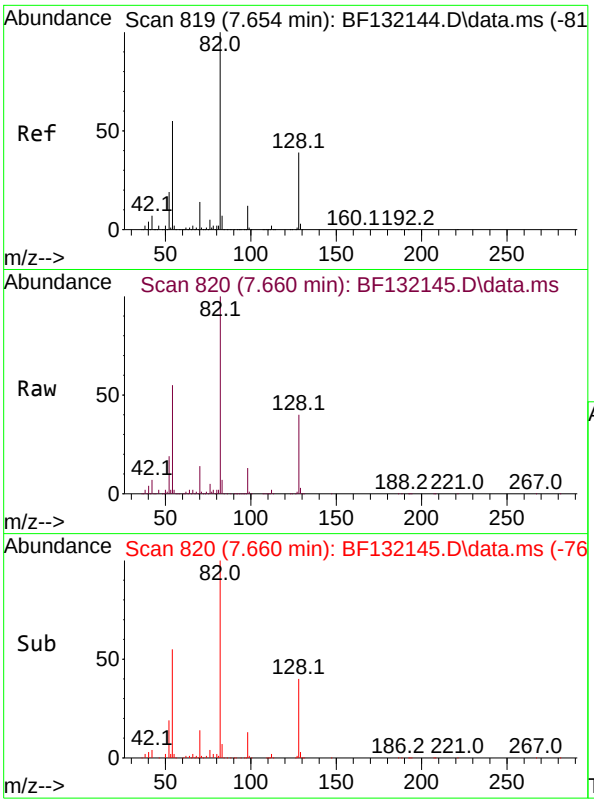


#22
Acetophenone
Concen: 44.799 ng
RT: 7.501 min Scan# 793
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:105 Resp: 641650

Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.8	8.6
51	31.7	23.0	34.6
120	21.5	17.6	26.4

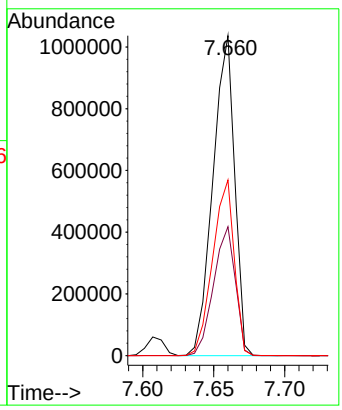




#23
Nitrobenzene-d5
Concen: 98.568 ng
RT: 7.660 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 82 Resp: 110568

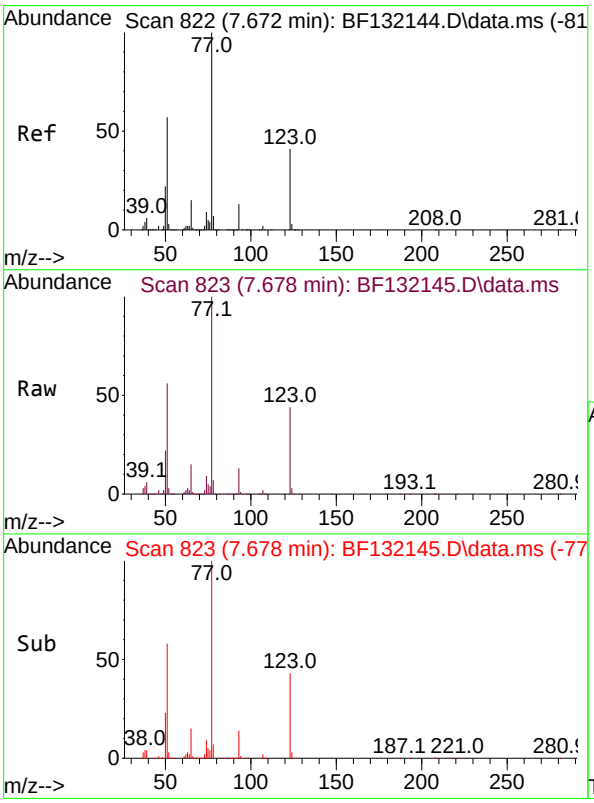
Ion	Ratio	Lower	Upper
82	100		
128	40.3	31.1	46.7
54	54.9	43.9	65.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

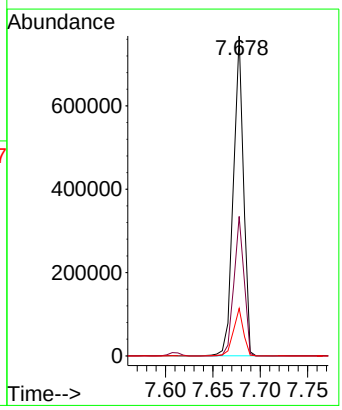
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

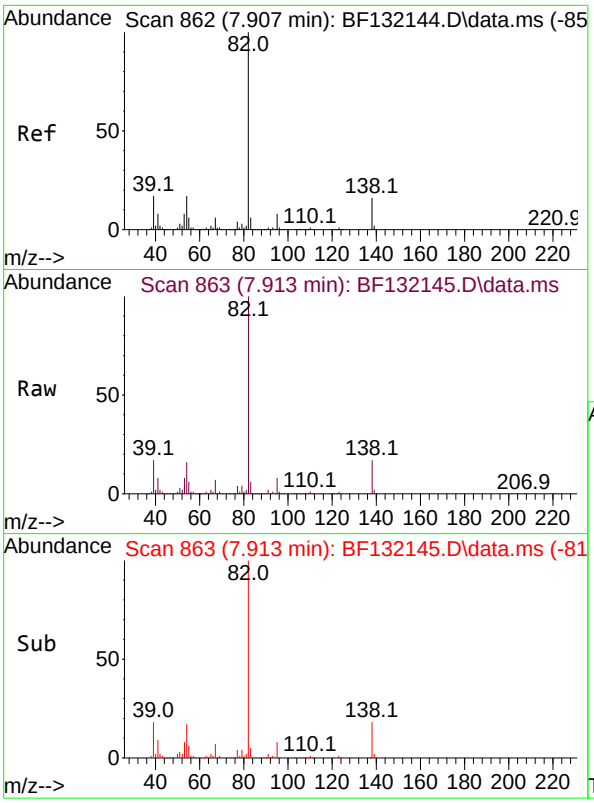


#24
Nitrobenzene
Concen: 48.645 ng
RT: 7.678 min Scan# 823
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 77 Resp: 577756

Ion	Ratio	Lower	Upper
77	100		
123	43.6	33.1	49.7
65	14.8	11.7	17.5

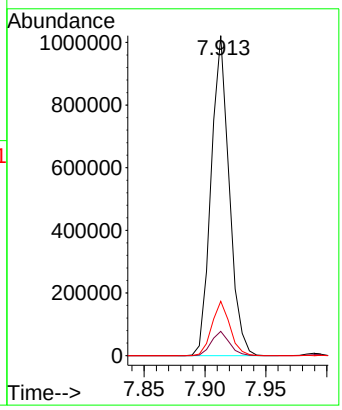




#25
Isophorone
Concen: 48.238 ng
RT: 7.913 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 82 Resp: 105876

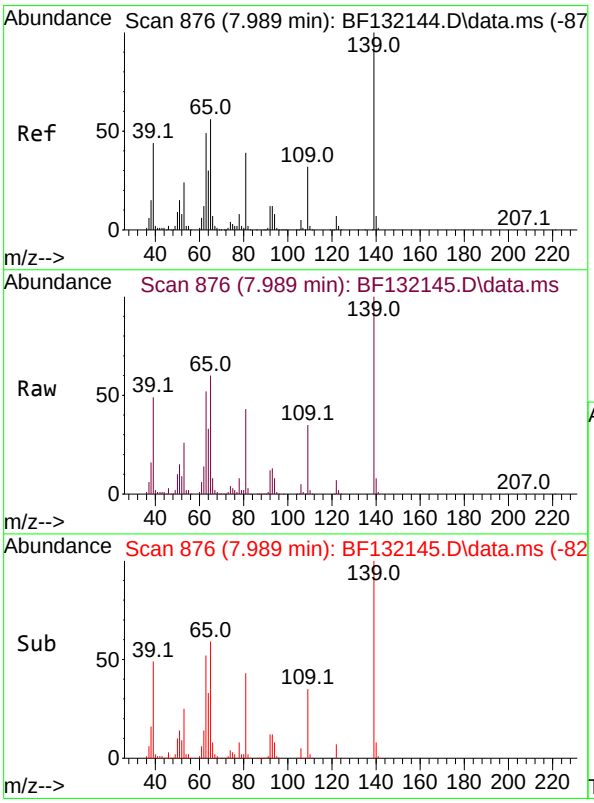
Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.2	9.2
138	17.0	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

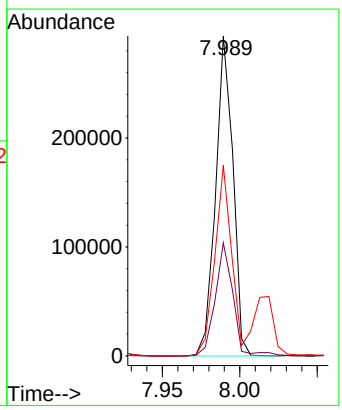
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

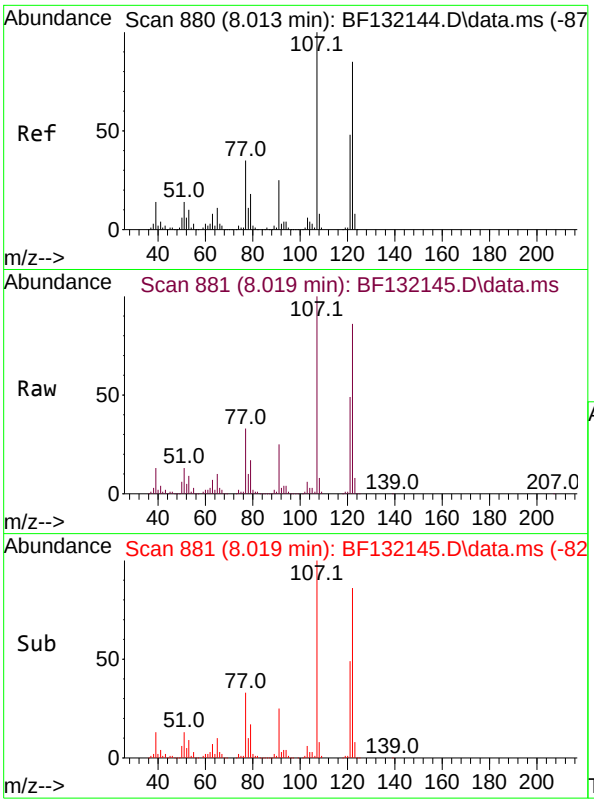


#26
2-Nitrophenol
Concen: 55.366 ng
RT: 7.989 min Scan# 876
Delta R.T. 0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:139 Resp: 229233

Ion	Ratio	Lower	Upper
139	100		
109	35.3	25.8	38.8
65	59.6	44.6	66.8

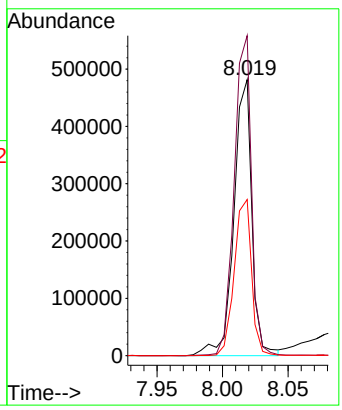




#27
2,4-Dimethylphenol
Concen: 48.345 ng
RT: 8.019 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:122 Resp: 45914

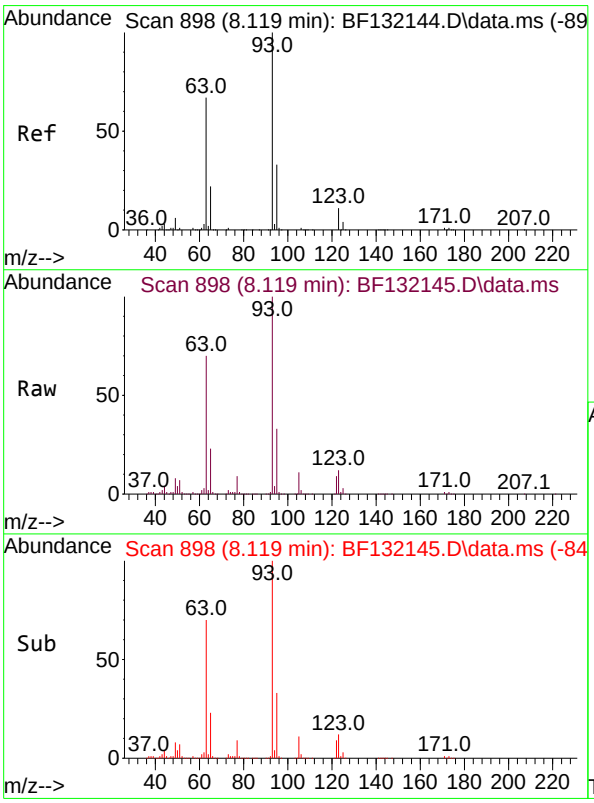
Ion	Ratio	Lower	Upper
122	100		
107	116.0	94.2	141.4
121	56.5	45.6	68.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

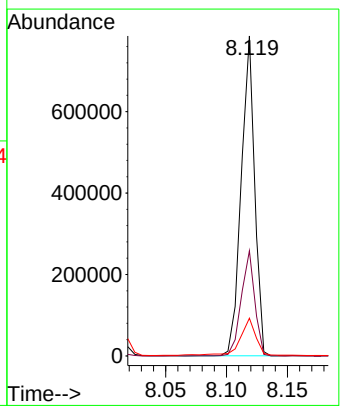
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

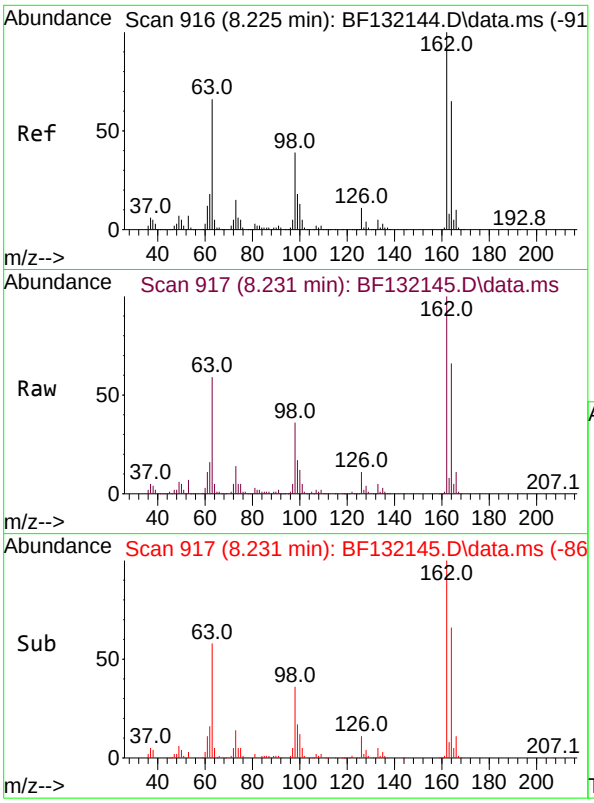


#28
bis(2-Chloroethoxy)methane
Concen: 46.022 ng
RT: 8.119 min Scan# 898
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 93 Resp: 606059

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.2
123	11.8	9.1	13.7

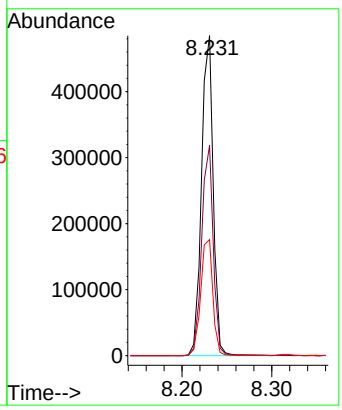




#29
2,4-Dichlorophenol
Concen: 48.619 ng
RT: 8.231 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:162 Resp: 43837

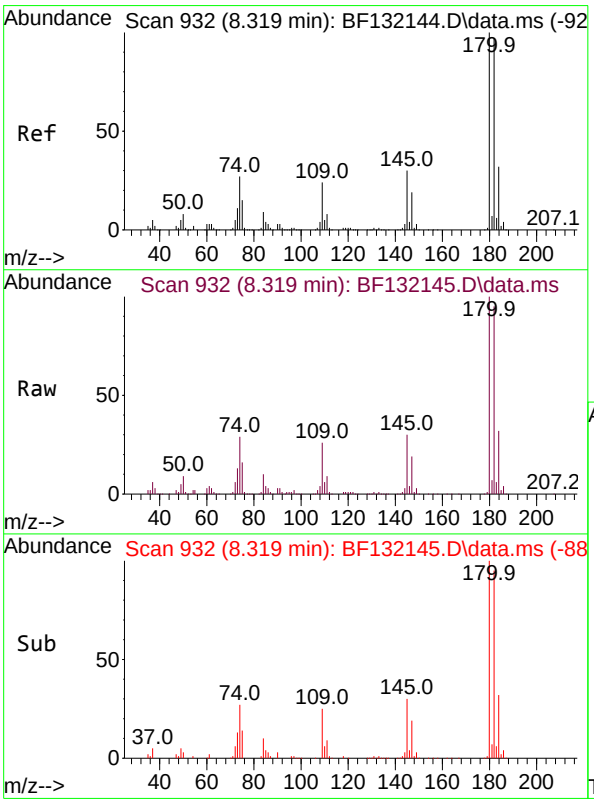
Ion	Ratio	Lower	Upper
162	100		
164	65.7	44.7	84.7
98	36.3	18.8	58.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

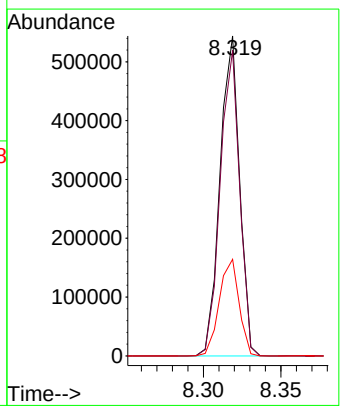
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

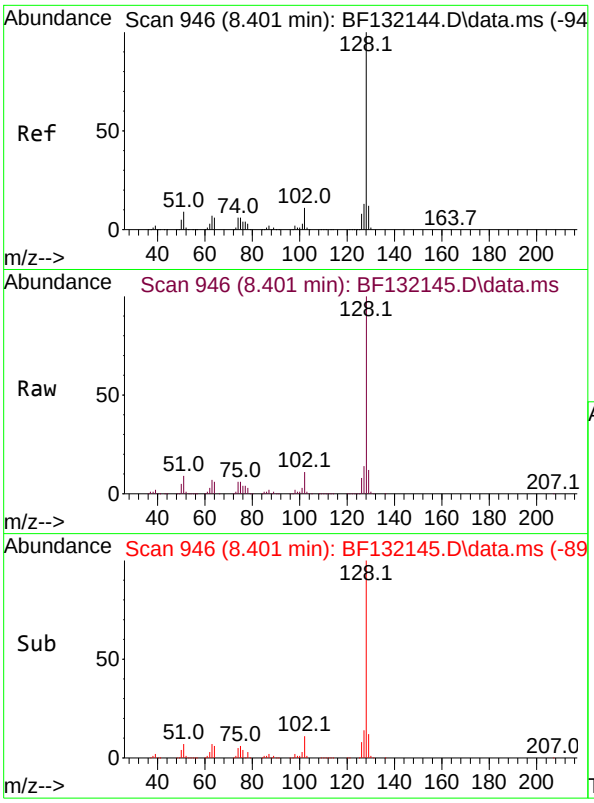


#30
1,2,4-Trichlorobenzene
Concen: 46.556 ng
RT: 8.319 min Scan# 932
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:180 Resp: 476787

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.4	116.0
145	30.2	23.8	35.6

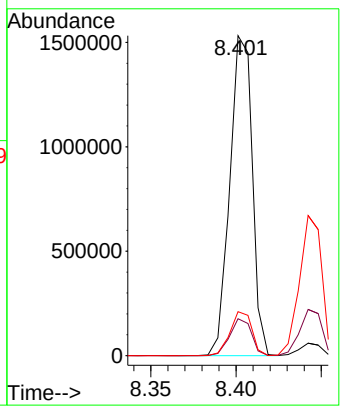




#31
Naphthalene
Concen: 45.835 ng
RT: 8.401 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:128 Resp: 140274

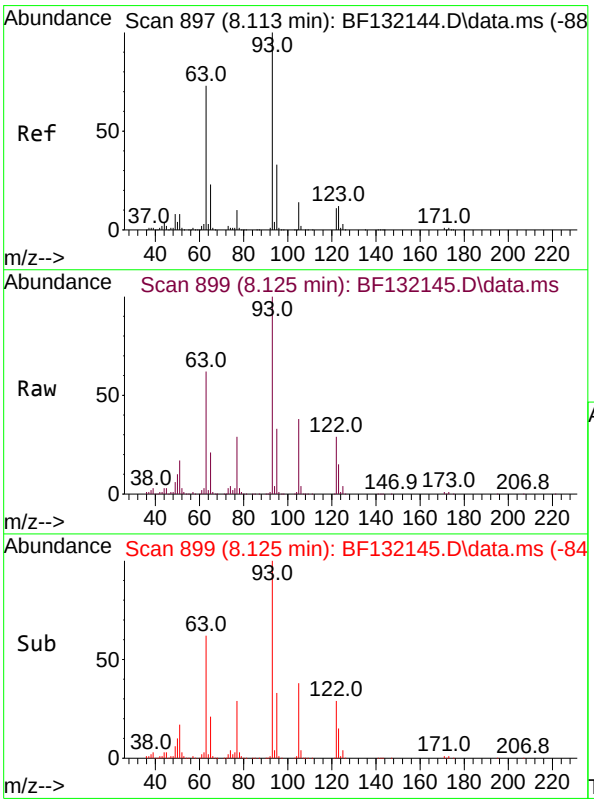
Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.3	13.9
127	13.7	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

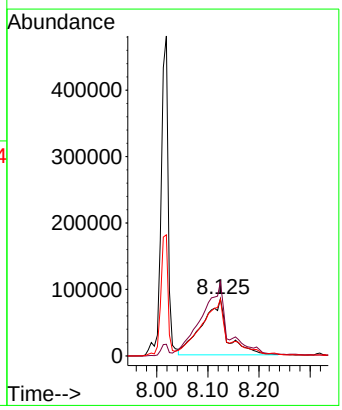
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

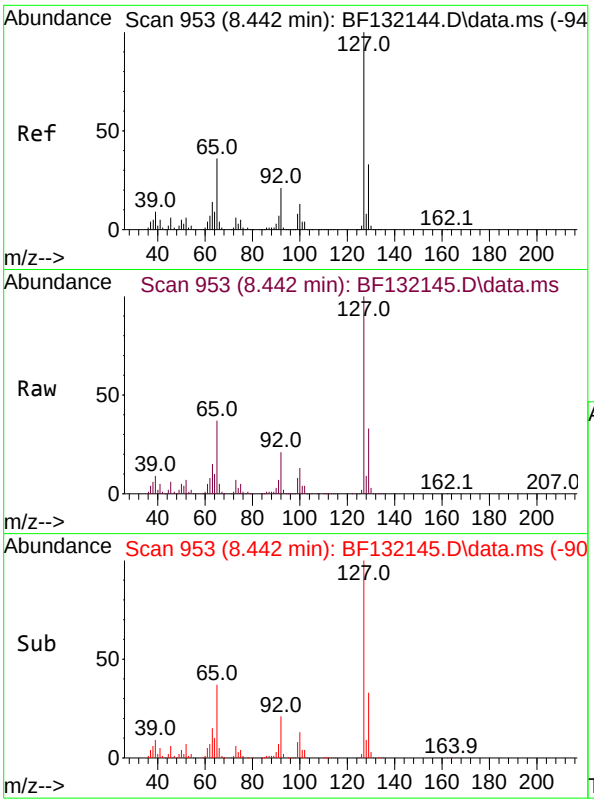


#32
Benzoic acid
Concen: 53.348 ng m
RT: 8.125 min Scan# 899
Delta R.T. 0.012 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:122 Resp: 297419

Ion	Ratio	Lower	Upper
122	100		
105	129.3	96.8	136.8
77	99.4	72.5	112.5

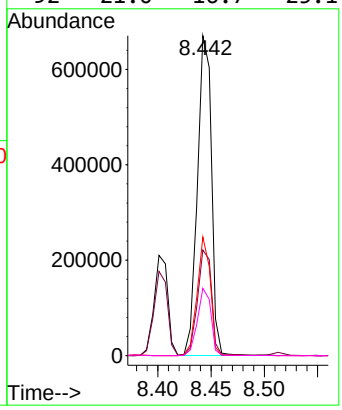




#33
4-Chloroaniline
Concen: 46.808 ng
RT: 8.442 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:127 Resp: 61304

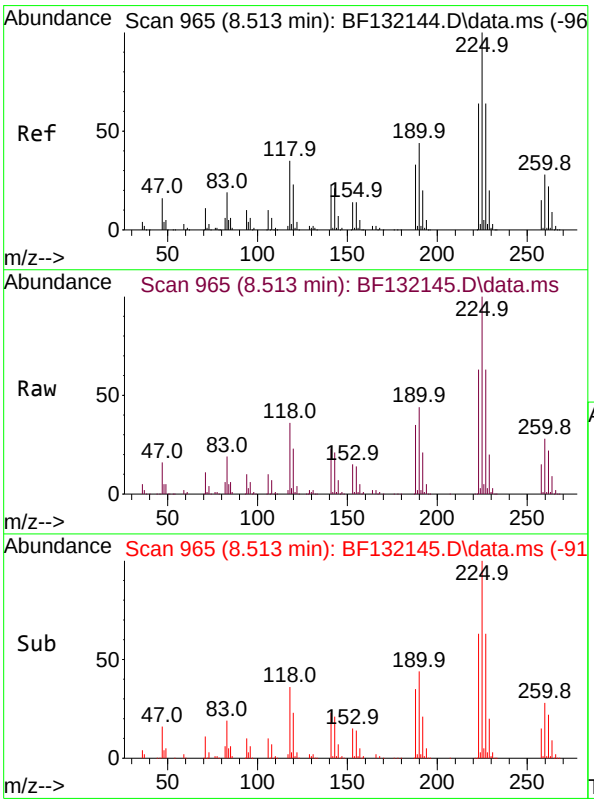
Ion	Ratio	Lower	Upper
127	100		
129	33.0	26.0	39.0
65	37.1	28.4	42.6
92	21.0	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

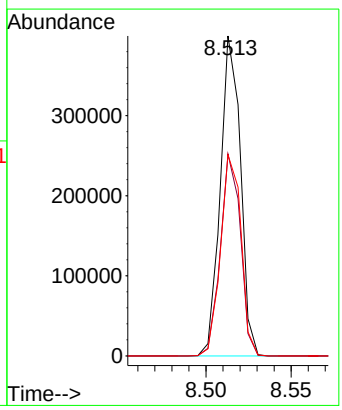
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

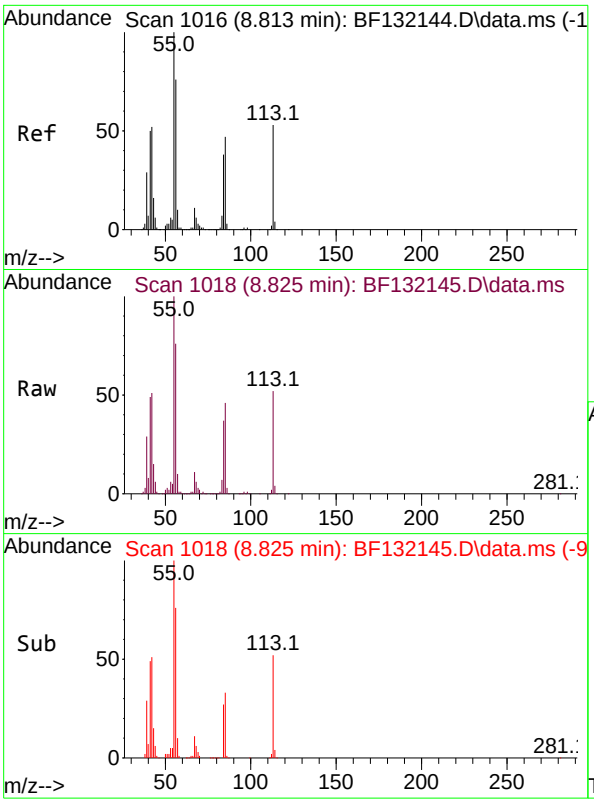


#34
Hexachlorobutadiene
Concen: 47.602 ng
RT: 8.513 min Scan# 965
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:225 Resp: 327490

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.9	76.3
227	62.9	50.8	76.2





#35
Caprolactam
Concen: 52.242 ng
RT: 8.825 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

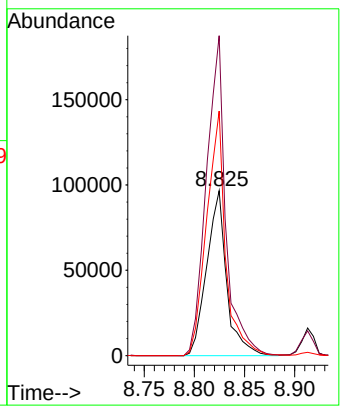
Tgt Ion:113 Resp: 13332

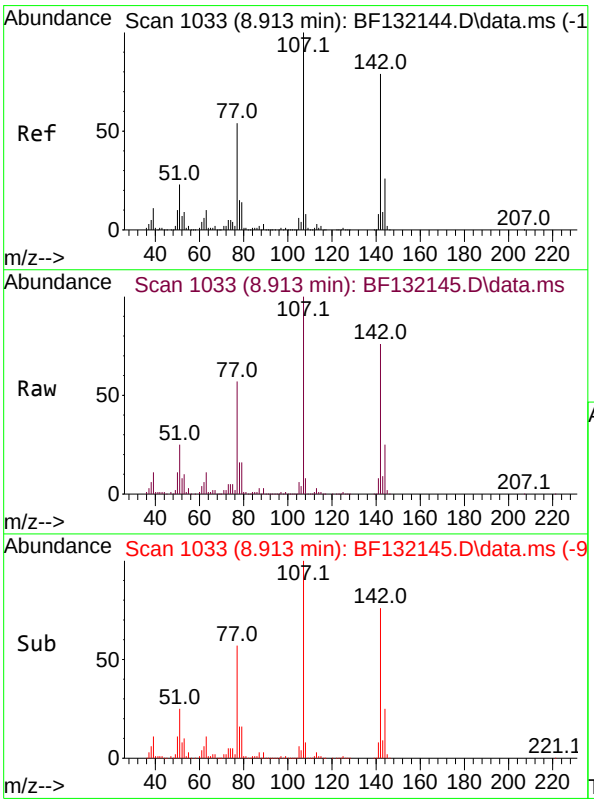
Ion	Ratio	Lower	Upper
113	100		
55	194.0	167.5	207.5
56	148.2	122.0	162.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

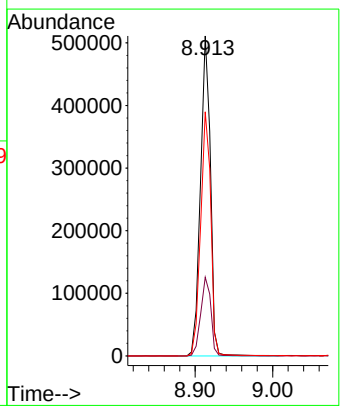


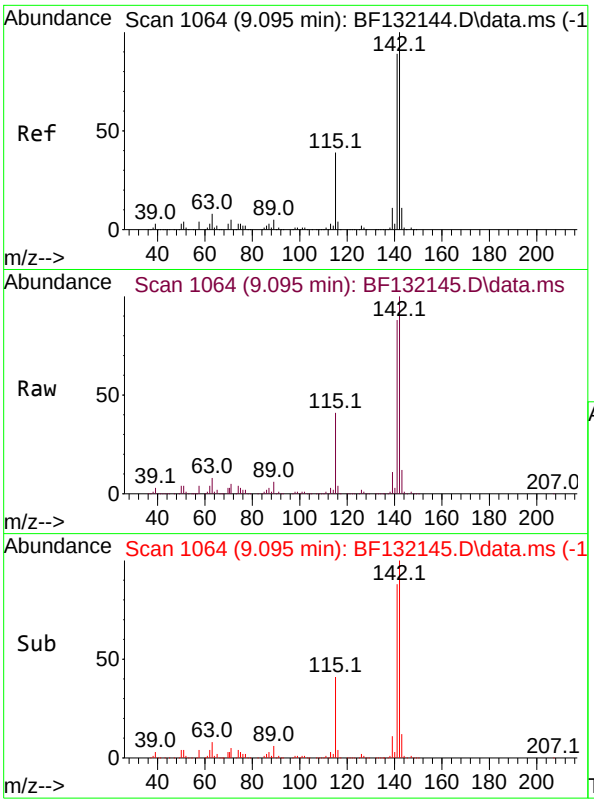


#36
4-Chloro-3-methylphenol
Concen: 50.041 ng
RT: 8.913 min Scan# 1033
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:107 Resp: 454054

Ion	Ratio	Lower	Upper
107	100		
144	24.6	21.0	31.4
142	76.3	63.6	95.4

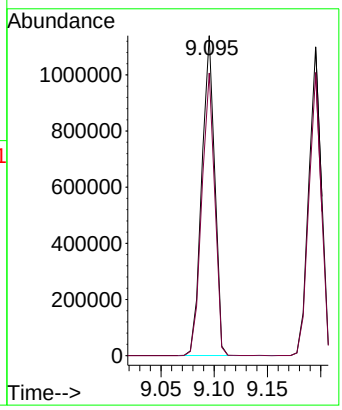




#37
2-Methylnaphthalene
Concen: 45.435 ng
RT: 9.095 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:142 Resp: 95737

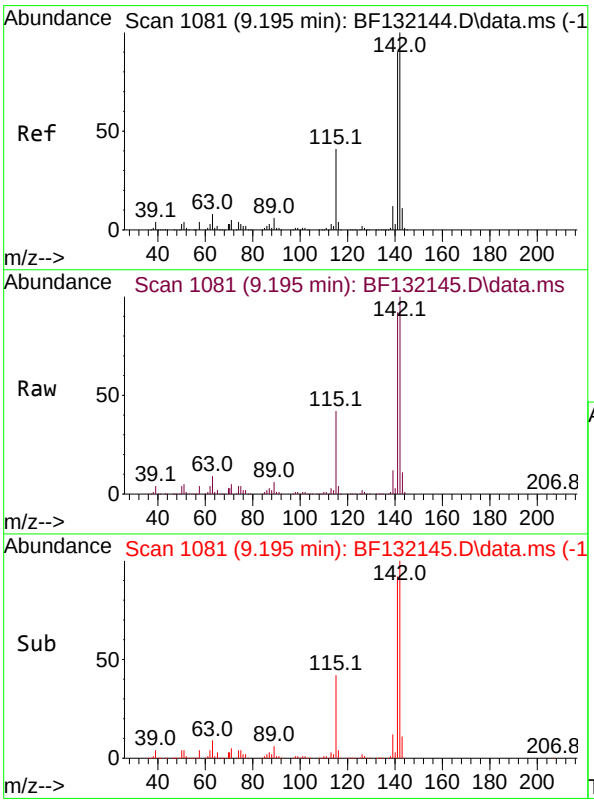
Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

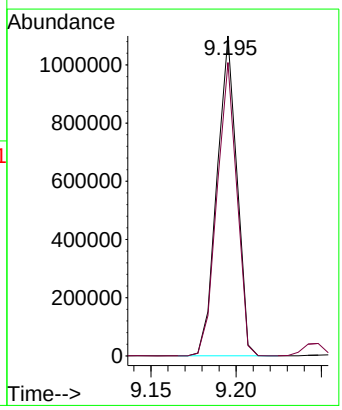
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

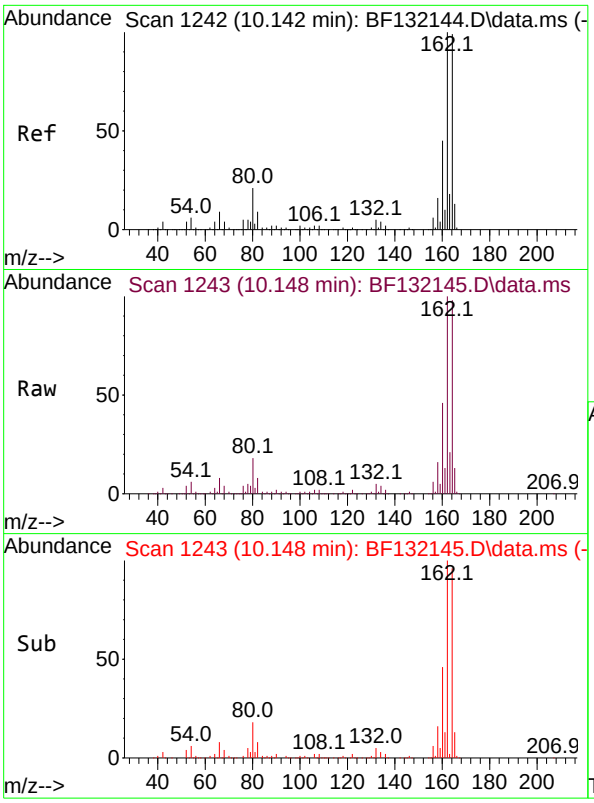


#38
1-Methylnaphthalene
Concen: 45.525 ng
RT: 9.195 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:142 Resp: 892550

Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.1	108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.148 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

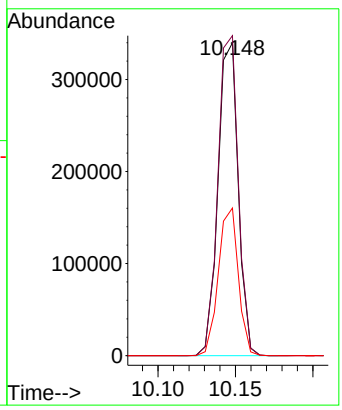
Tgt Ion:164 Resp: 31029

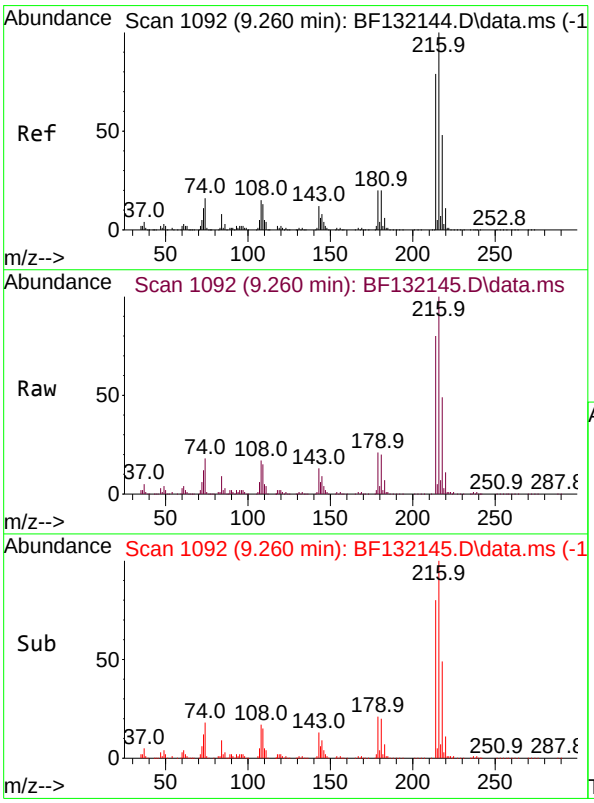
Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.2	121.8
160	47.2	36.9	55.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

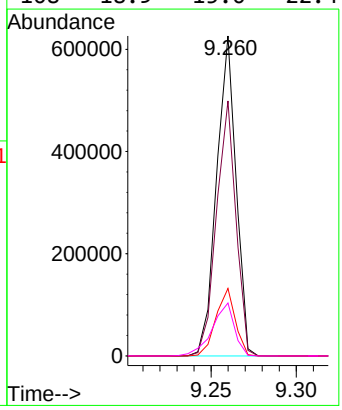


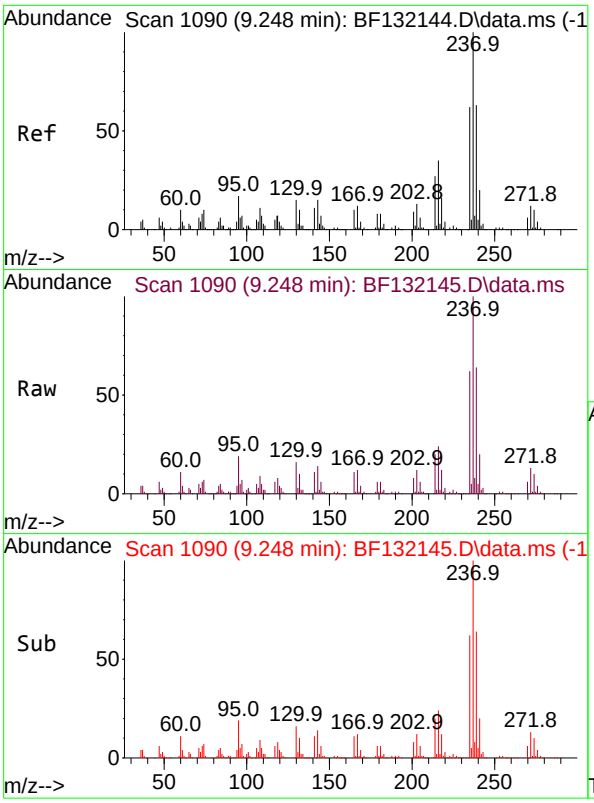


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.064 ng
RT: 9.260 min Scan# 1092
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:216 Resp: 497324

Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.1	94.7
179	20.9	16.6	24.8
108	18.9	15.0	22.4





#41
Hexachlorocyclopentadiene
Concen: 51.212 ng
RT: 9.248 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

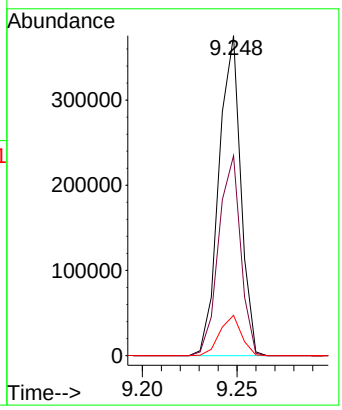
Tgt Ion:237 Resp: 30171

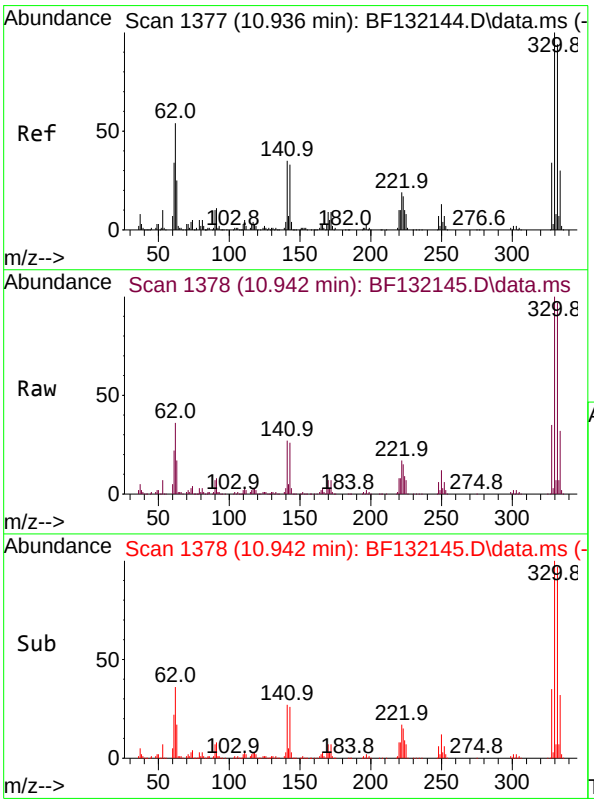
Ion	Ratio	Lower	Upper
237	100		
235	62.5	41.7	81.7
272	12.6	0.0	32.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

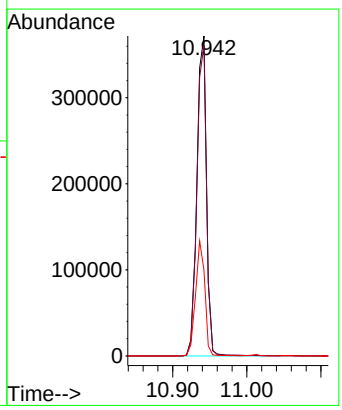


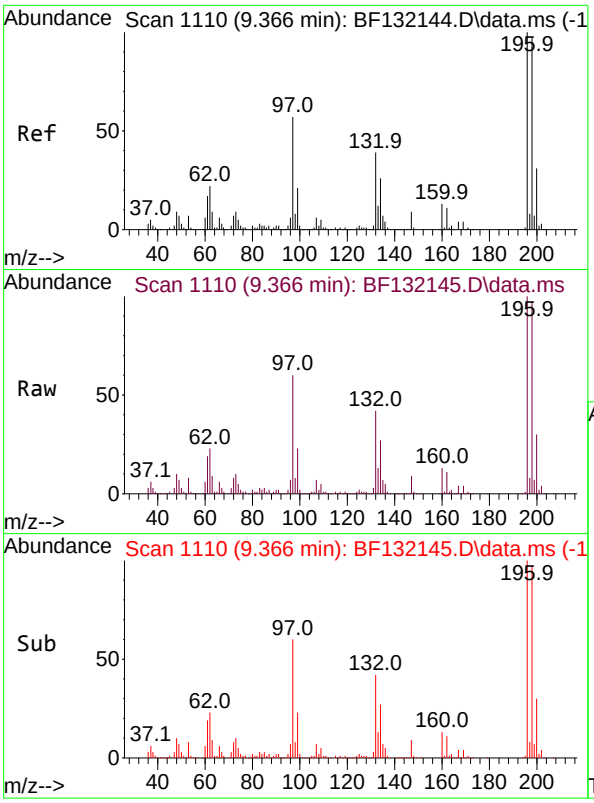


#42
2,4,6-Tribromophenol
Concen: 101.459 ng
RT: 10.942 min Scan# 1378
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:330 Resp: 336280

Ion	Ratio	Lower	Upper
330	100		
332	97.2	75.6	113.4
141	34.6	27.1	40.7

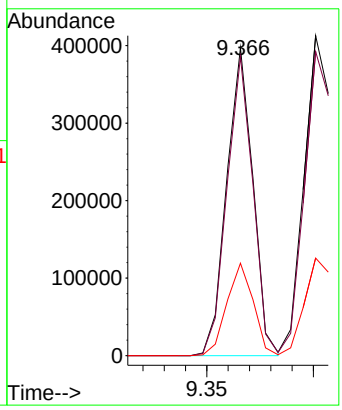




#43
2,4,6-Trichlorophenol
Concen: 50.648 ng
RT: 9.366 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:196 Resp: 33935

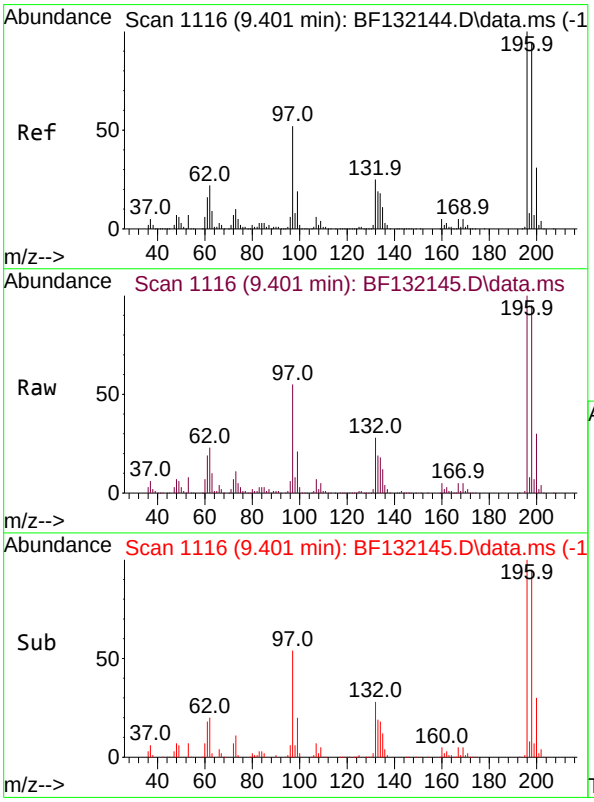
Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.4	116.2
200	30.0	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

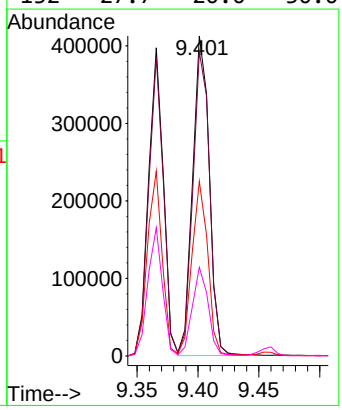
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

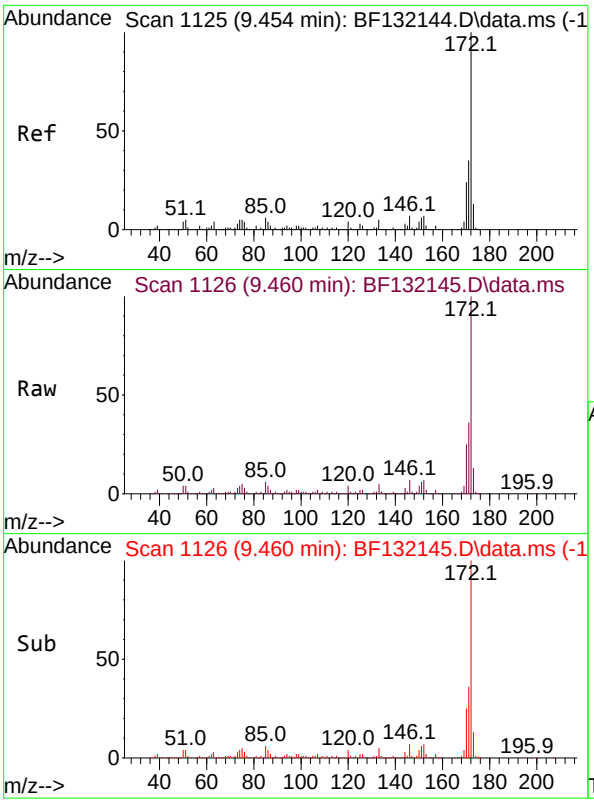


#44
2,4,5-Trichlorophenol
Concen: 49.934 ng
RT: 9.401 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:196 Resp: 391297

Ion	Ratio	Lower	Upper
196	100		
198	95.0	75.3	112.9
97	54.6	41.3	61.9
132	27.7	20.0	30.0

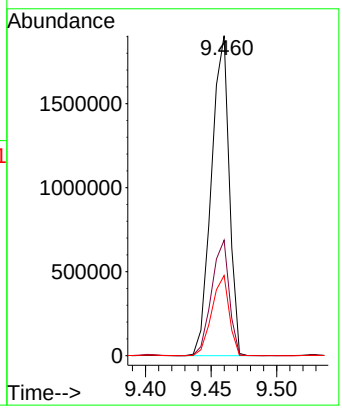




#45
2-Fluorobiphenyl
Concen: 90.894 ng
RT: 9.460 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:172 Resp: 180217

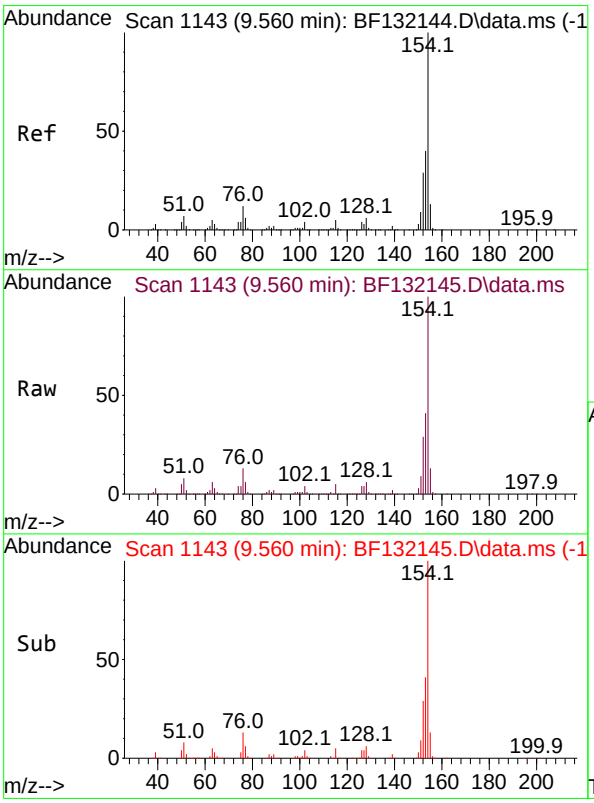
Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.2	42.2
170	25.0	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

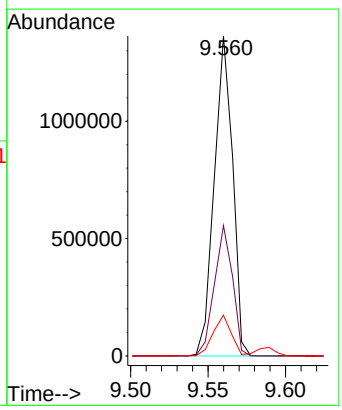
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

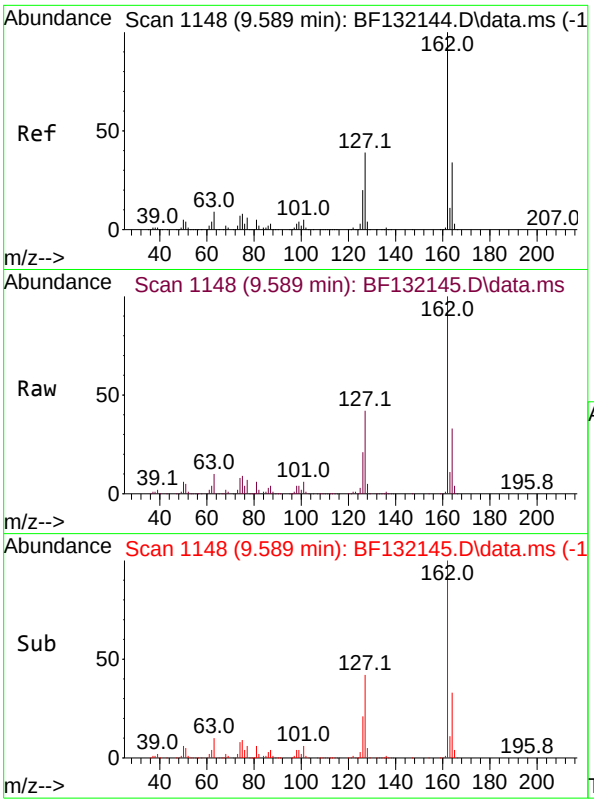


#46
1,1'-Biphenyl
Concen: 45.940 ng
RT: 9.560 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:154 Resp: 1124635

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.2	60.2
76	12.7	0.0	32.2

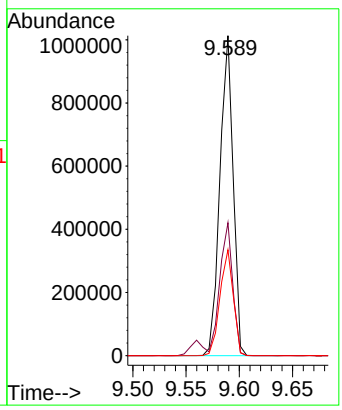




#47
2-Chloronaphthalene
Concen: 46.370 ng
RT: 9.589 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:162 Resp: 87751

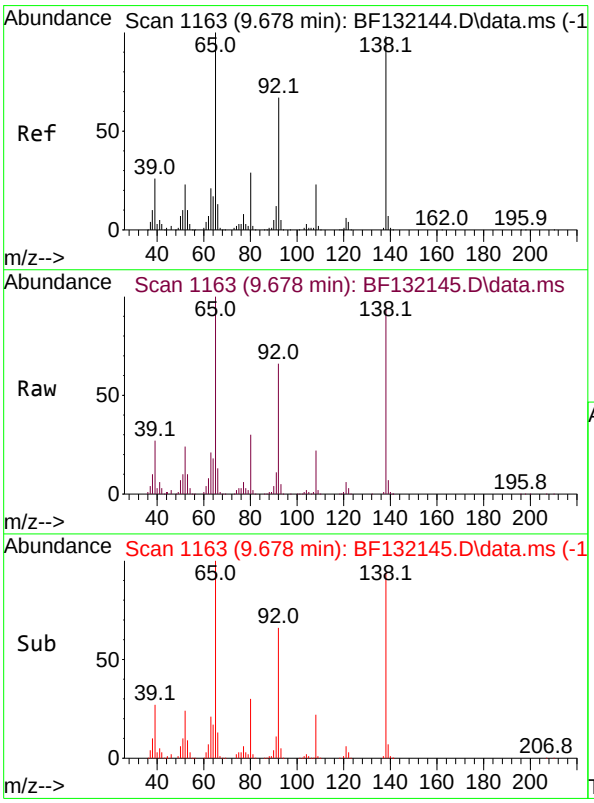
Ion	Ratio	Lower	Upper
162	100		
127	41.5	31.1	46.7
164	33.1	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

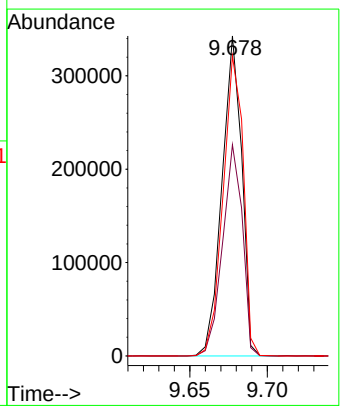
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

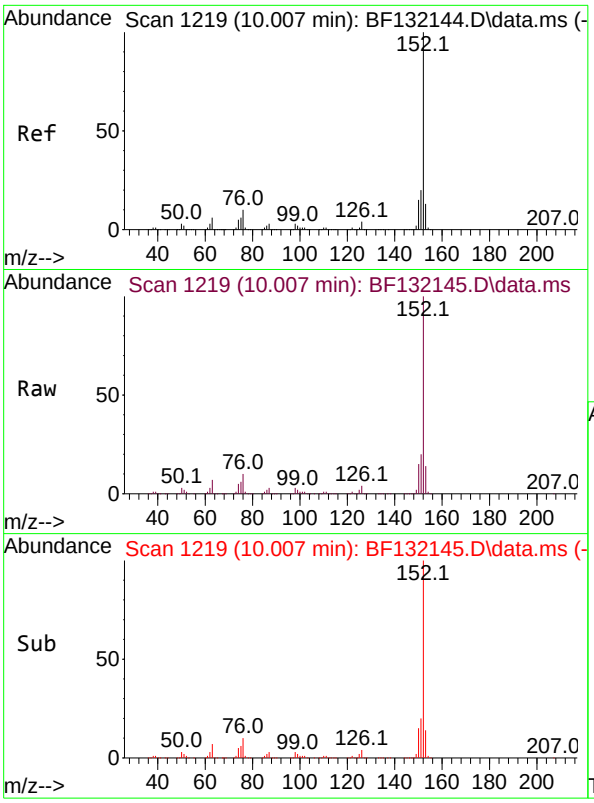


#48
2-Nitroaniline
Concen: 55.690 ng
RT: 9.678 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 65 Resp: 303436

Ion	Ratio	Lower	Upper
65	100		
92	66.0	53.8	80.6
138	93.7	78.7	118.1

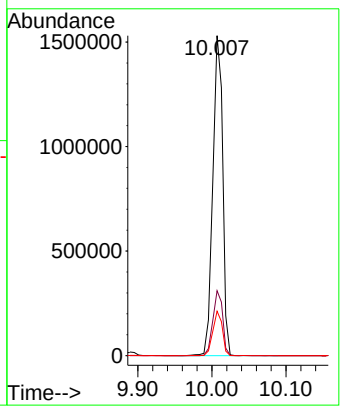




#49
Acenaphthylene
Concen: 47.008 ng
RT: 10.007 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:152 Resp: 142310

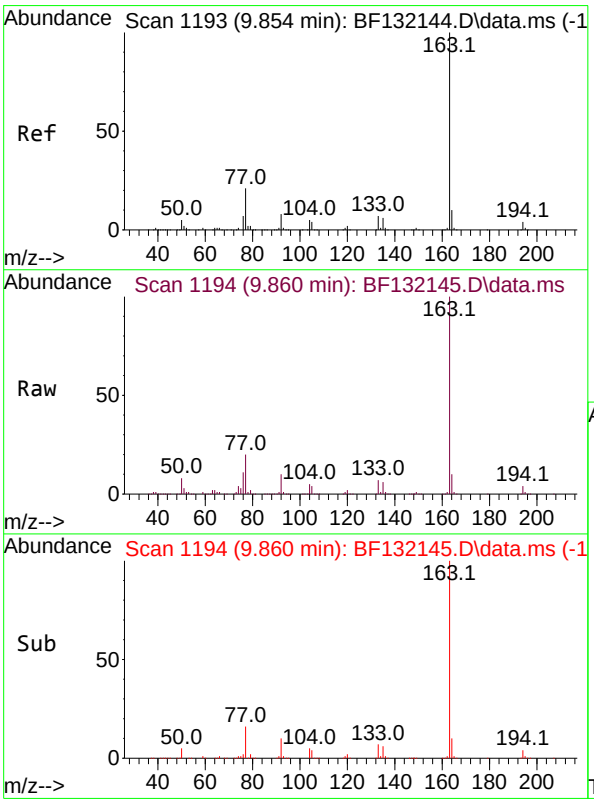
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	13.9	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

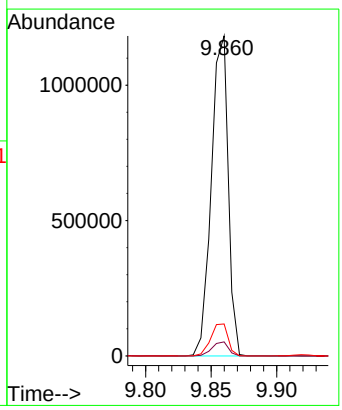
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

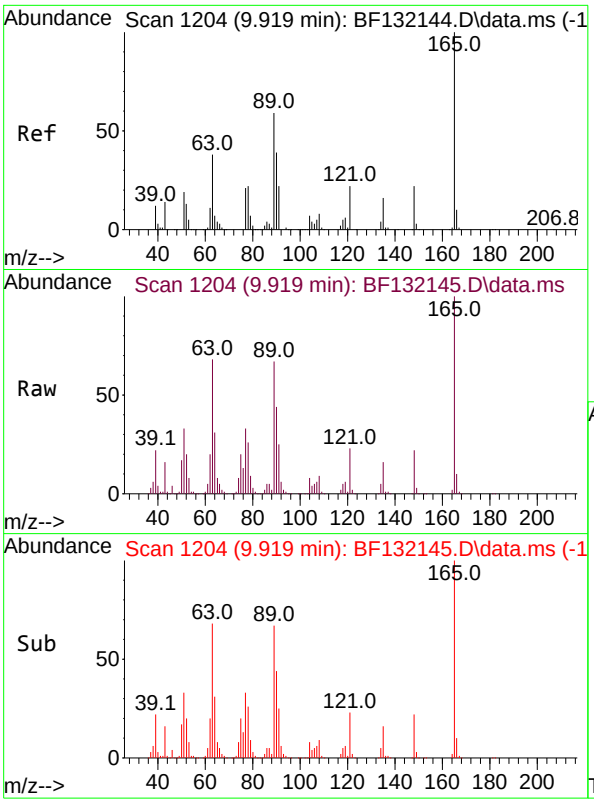


#50
Dimethylphthalate
Concen: 47.242 ng
RT: 9.860 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:163 Resp: 1061697

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.1	4.7
164	10.0	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 53.340 ng
RT: 9.919 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

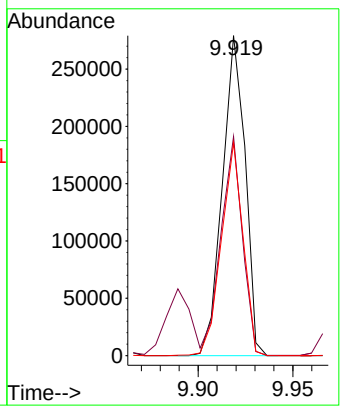
Tgt Ion:165 Resp: 232348

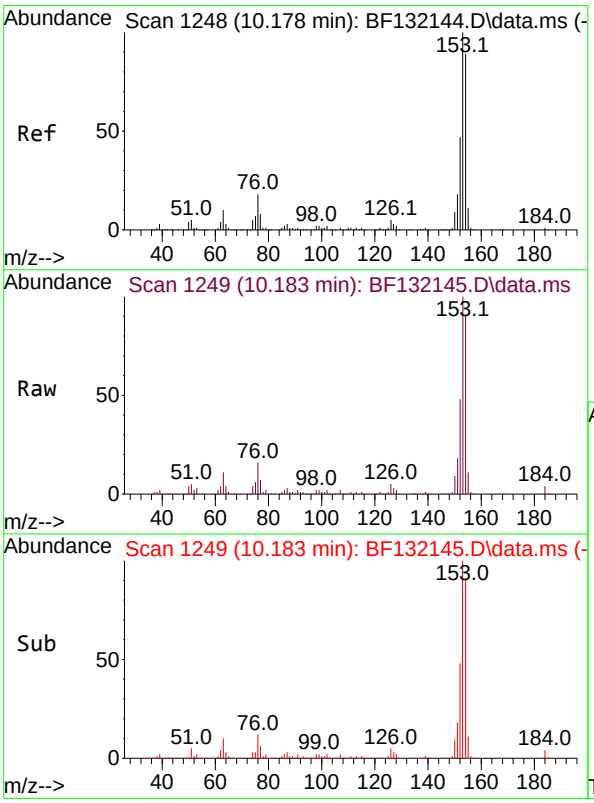
Ion	Ratio	Lower	Upper
165	100		
63	68.5	46.6	70.0
89	66.5	47.4	71.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

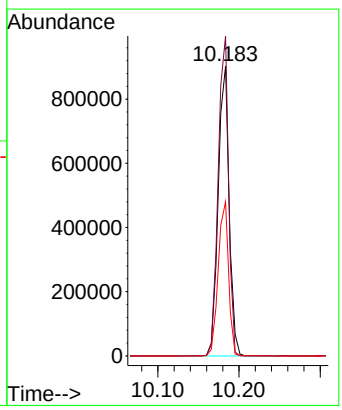


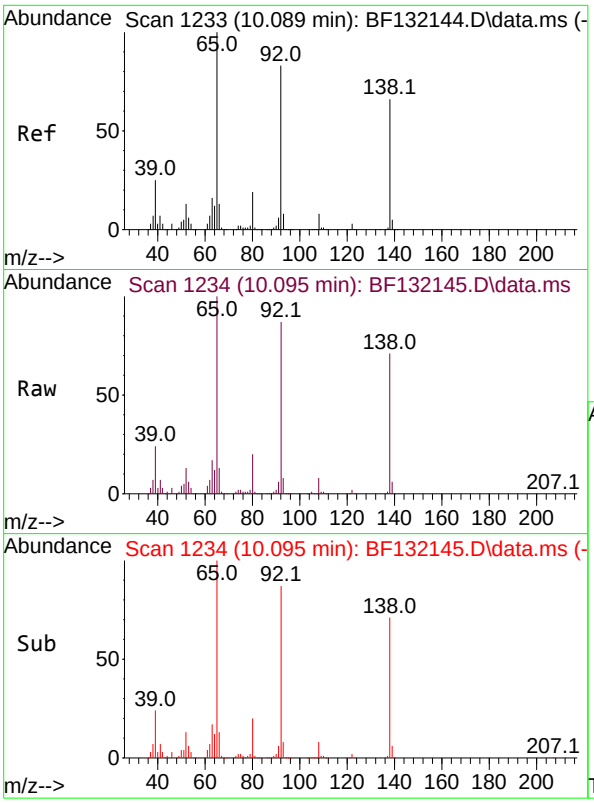


#52
Acenaphthene
Concen: 46.213 ng
RT: 10.183 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:154 Resp: 841514

Ion	Ratio	Lower	Upper
154	100		
153	110.4	89.8	134.8
152	53.2	42.3	63.5





#53
3-Nitroaniline
Concen: 53.158 ng
RT: 10.095 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

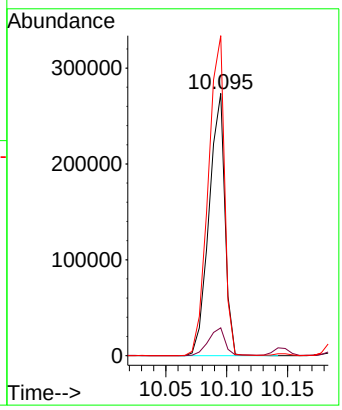
Tgt Ion:138 Resp: 24756

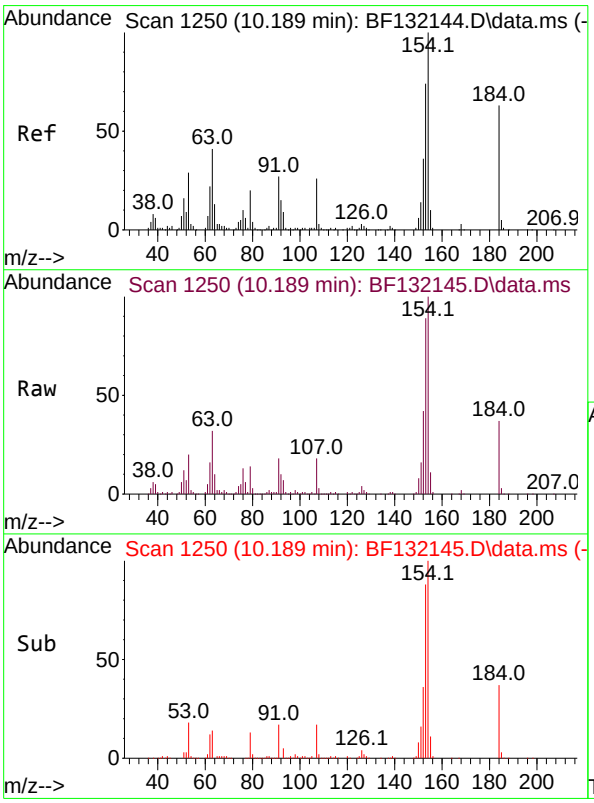
Ion	Ratio	Lower	Upper
138	100		
108	10.6	9.1	13.7
92	122.1	101.2	151.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

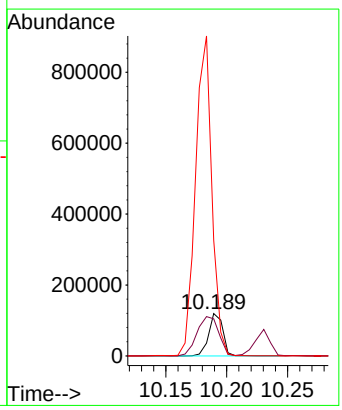


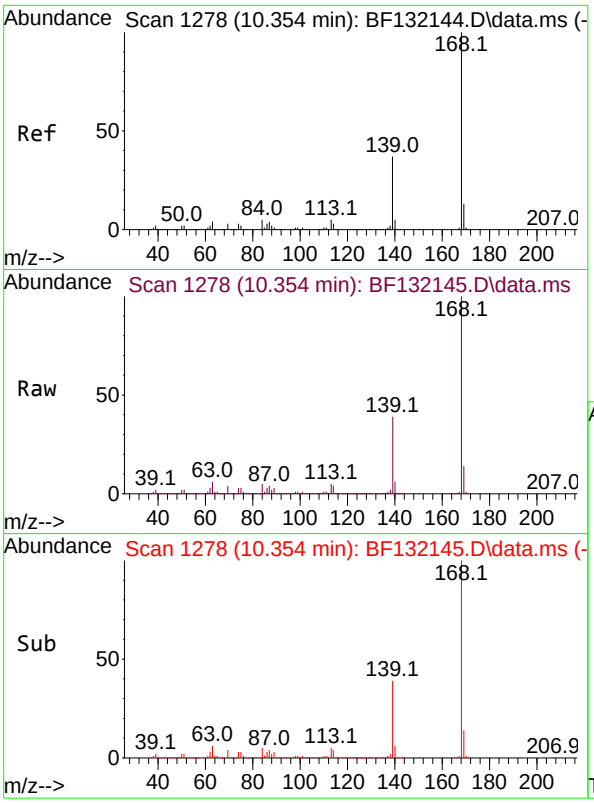


#54
2,4-Dinitrophenol
Concen: 54.894 ng
RT: 10.189 min Scan# 1250
Delta R.T. 0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:184 Resp: 96577

Ion	Ratio	Lower	Upper
184	100		
63	87.6	53.2	79.8#
154	273.5	129.4	194.0#

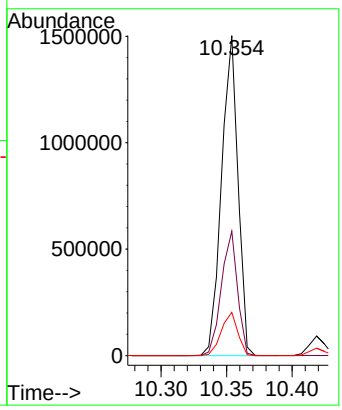




#55
Dibenzofuran
Concen: 46.650 ng
RT: 10.354 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:168 Resp: 131275

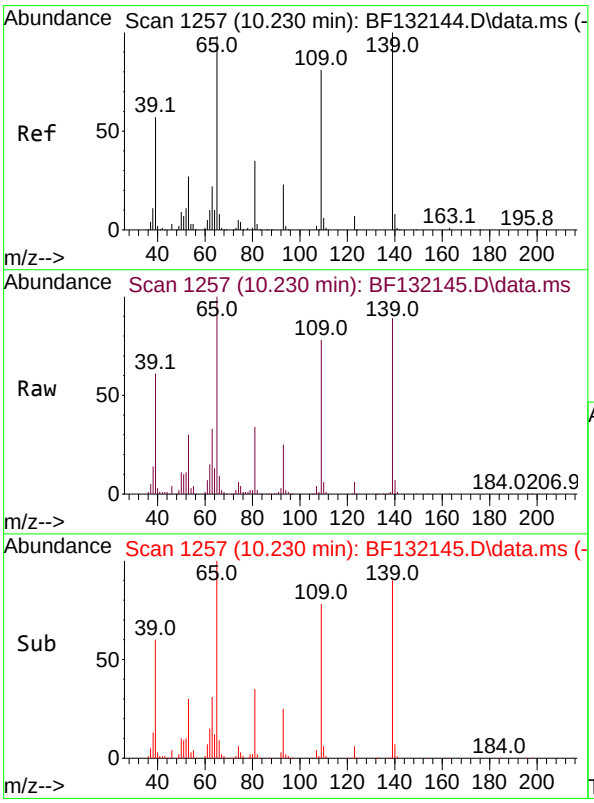
Ion	Ratio	Lower	Upper
168	100		
139	38.9	29.8	44.8
169	13.5	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

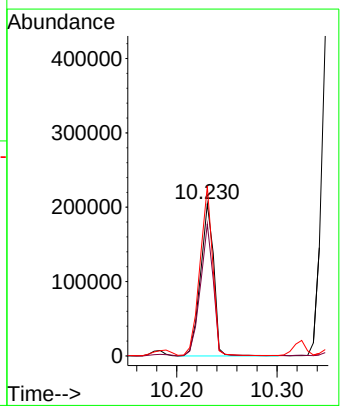
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

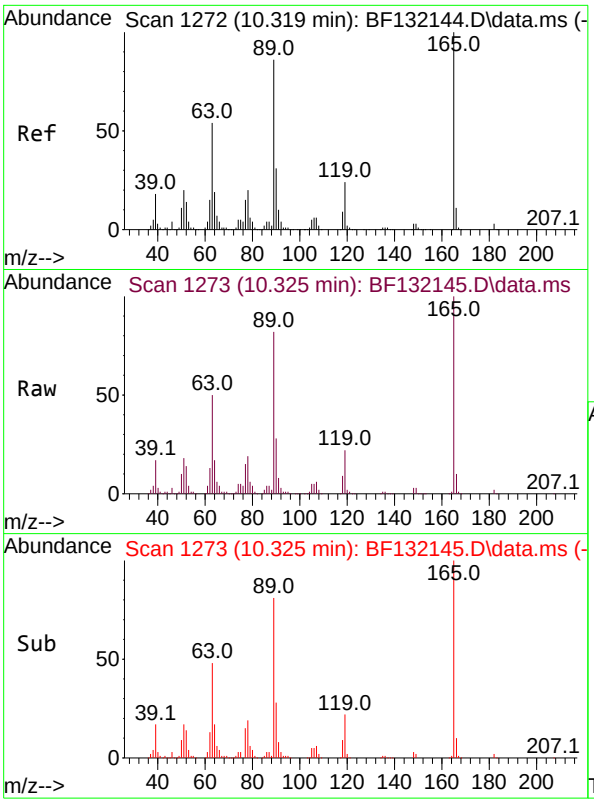


#56
4-Nitrophenol
Concen: 55.373 ng
RT: 10.230 min Scan# 1257
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:139 Resp: 187684

Ion	Ratio	Lower	Upper
139	100		
109	86.7	61.0	101.0
65	111.8	79.3	119.3

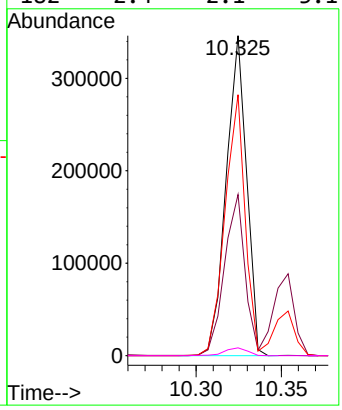




#57
2,4-Dinitrotoluene
Concen: 55.230 ng
RT: 10.325 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:165 Resp: 28878

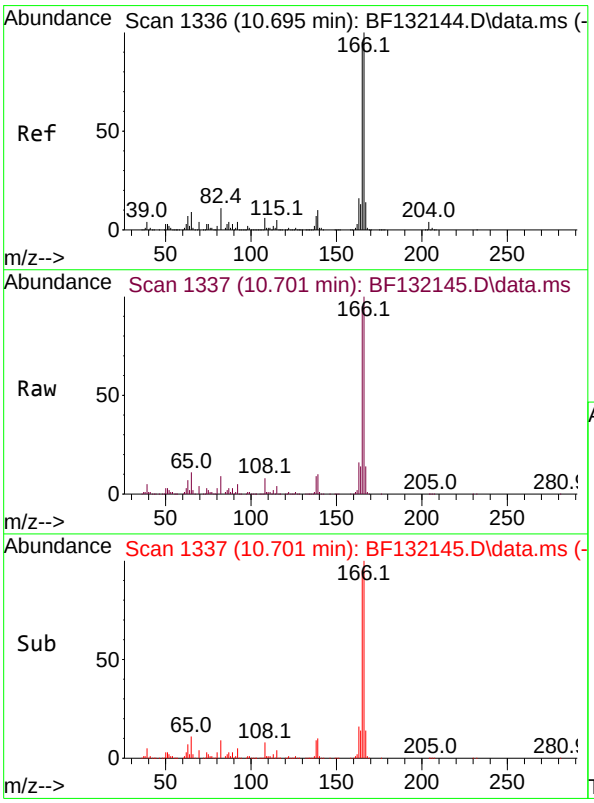
Ion	Ratio	Lower	Upper
165	100		
63	50.3	43.5	65.3
89	81.5	69.0	103.6
182	2.4	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

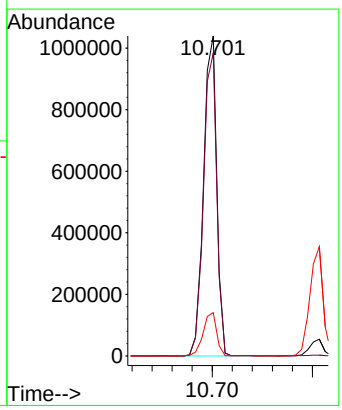
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

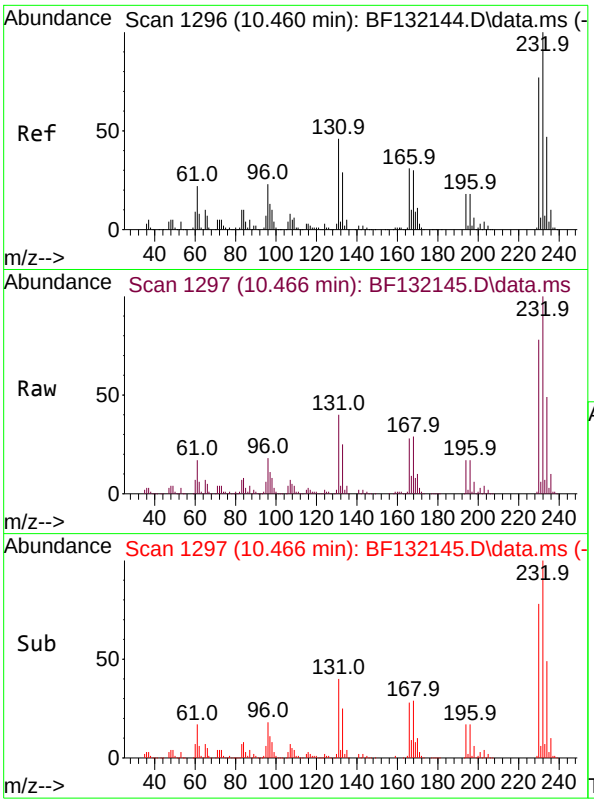


#58
Fluorene
Concen: 45.333 ng
RT: 10.701 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:166 Resp: 945267

Ion	Ratio	Lower	Upper
166	100		
165	94.6	76.4	114.6
167	13.5	11.0	16.4

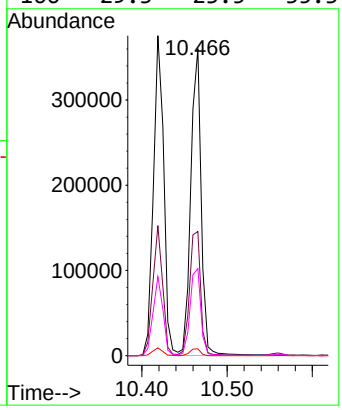




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.170 ng
RT: 10.466 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:232 Resp: 30502

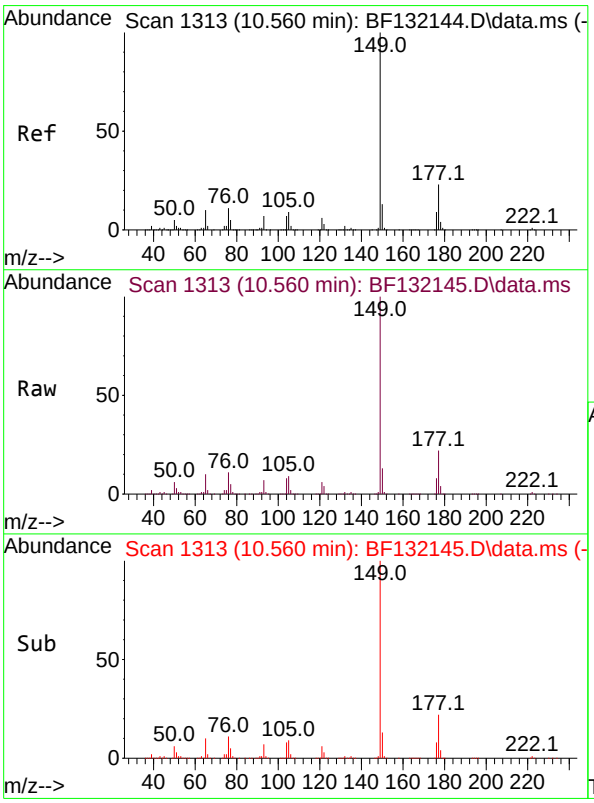
Ion	Ratio	Lower	Upper
232	100		
131	43.0	33.8	50.6
130	2.3	1.9	2.9
166	29.3	23.5	35.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

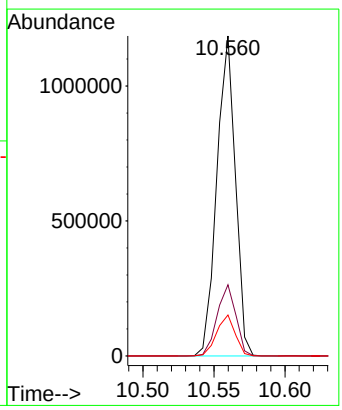
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

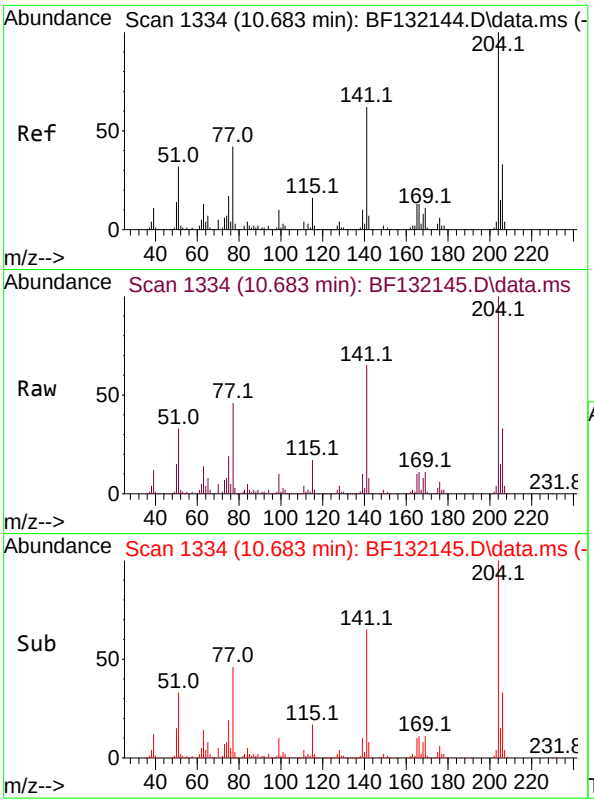


#60
Diethylphthalate
Concen: 48.887 ng
RT: 10.560 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:149 Resp: 1077388

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.4	27.6
150	12.8	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 46.133 ng
RT: 10.683 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

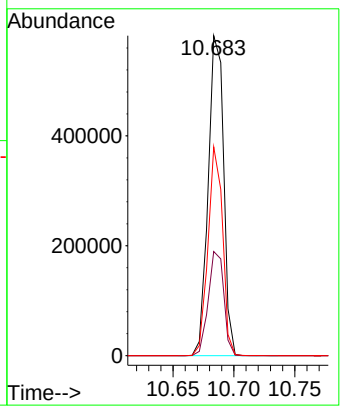
Tgt Ion:204 Resp: 51510

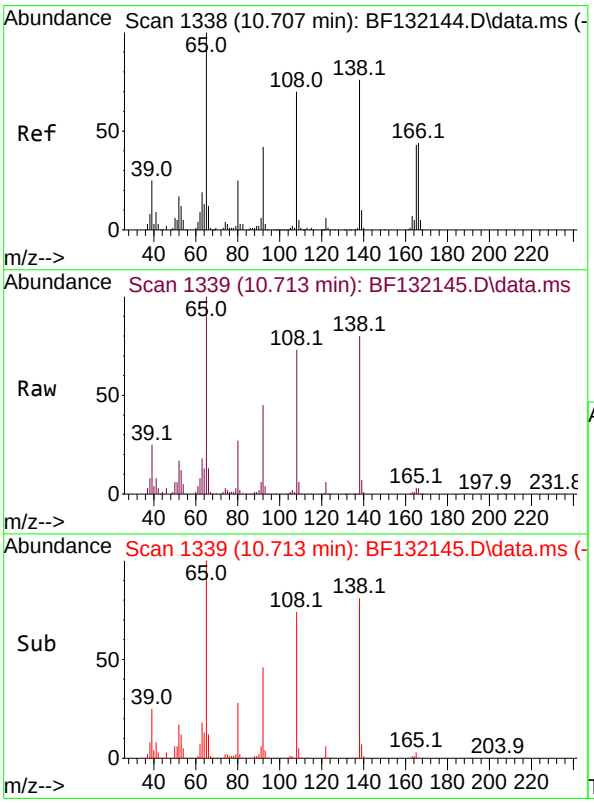
Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.4	39.6
141	65.2	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

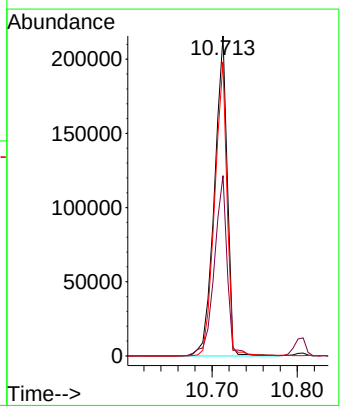


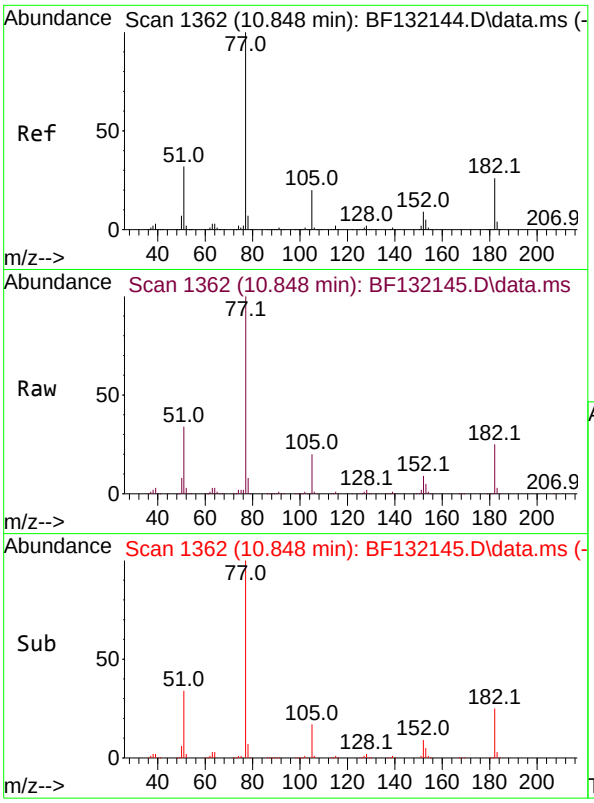


#62
4-Nitroaniline
Concen: 51.889 ng
RT: 10.713 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:138 Resp: 224981

Ion	Ratio	Lower	Upper
138	100		
92	56.3	35.9	75.9
108	91.9	72.0	112.0

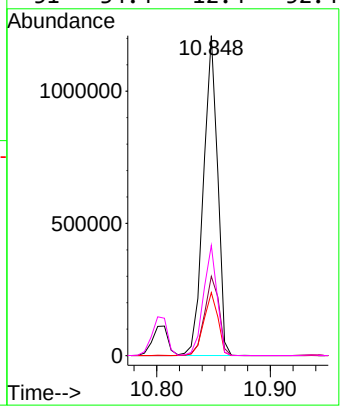




#63
Azobenzene
Concen: 47.316 ng
RT: 10.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion: 77 Resp: 104655

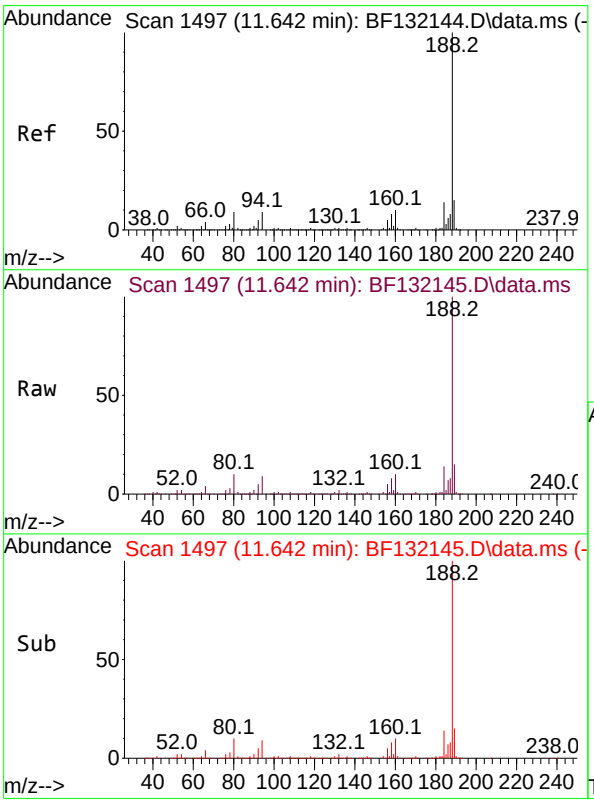
Ion	Ratio	Lower	Upper
77	100		
182	24.8	6.4	46.4
105	19.7	0.0	39.8
51	34.4	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

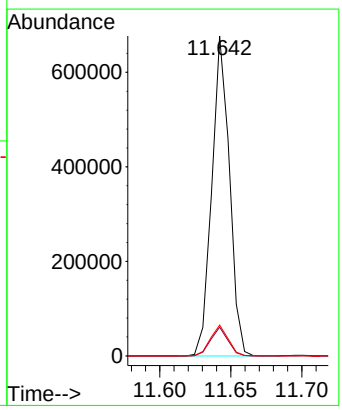
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

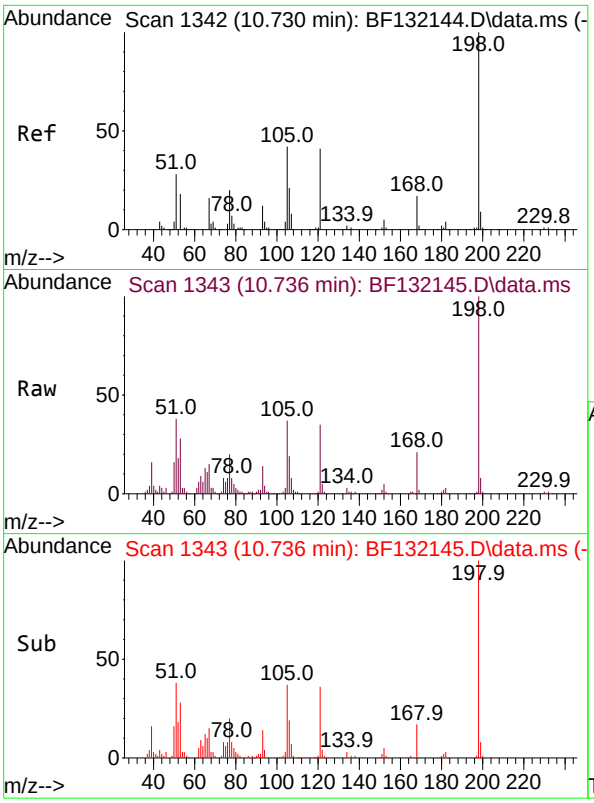


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.642 min Scan# 1497
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:188 Resp: 585882

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.9	10.3
80	9.6	7.5	11.3

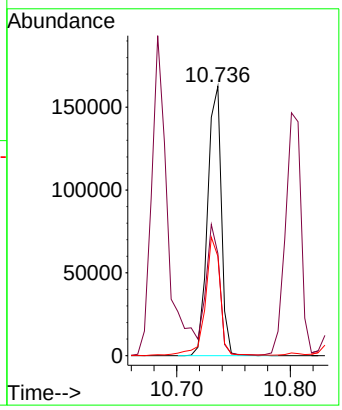




#65
4,6-Dinitro-2-methylphenol
Concen: 53.948 ng
RT: 10.736 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:198 Resp: 13703

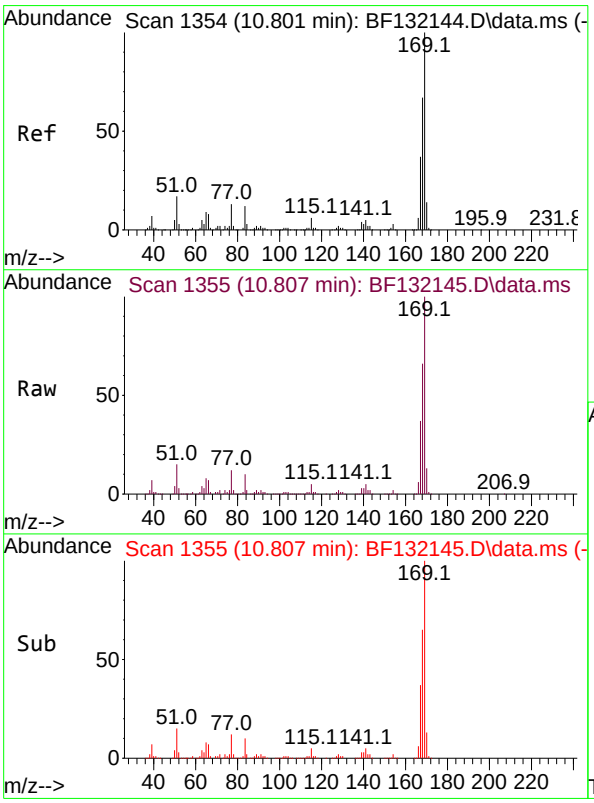
Ion	Ratio	Lower	Upper
198	100		
51	37.9	24.3	64.3
105	36.9	23.3	63.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

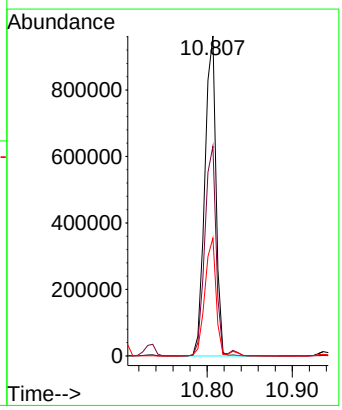
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

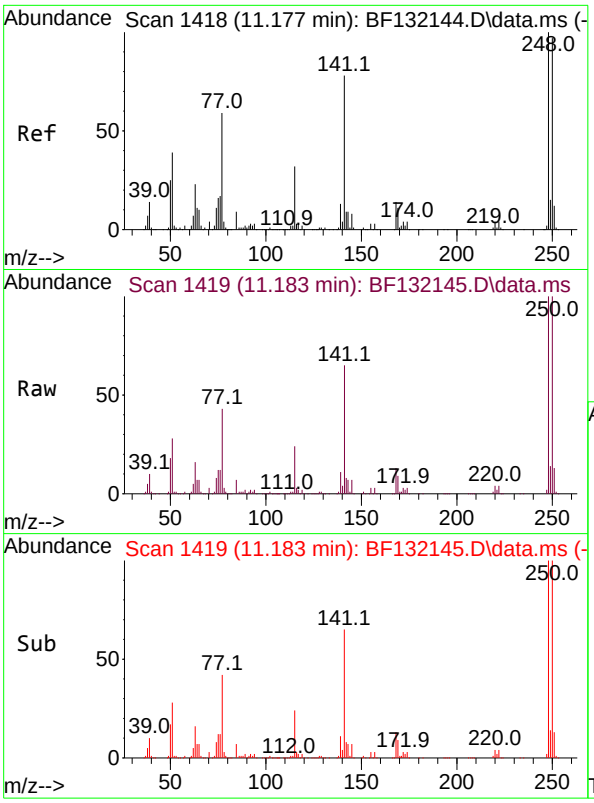


#66
n-Nitrosodiphenylamine
Concen: 46.675 ng
RT: 10.807 min Scan# 1355
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:169 Resp: 875788

Ion	Ratio	Lower	Upper
169	100		
168	65.5	53.4	80.0
167	36.9	29.7	44.5





#67
4-Bromophenyl-phenylether
Concen: 47.108 ng
RT: 11.183 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

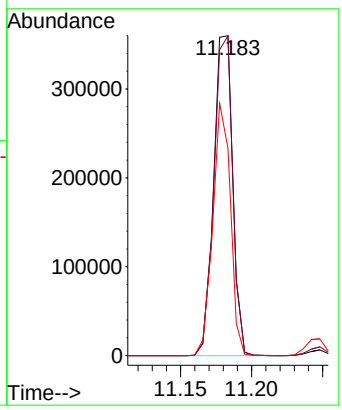
Tgt Ion:248 Resp: 33641

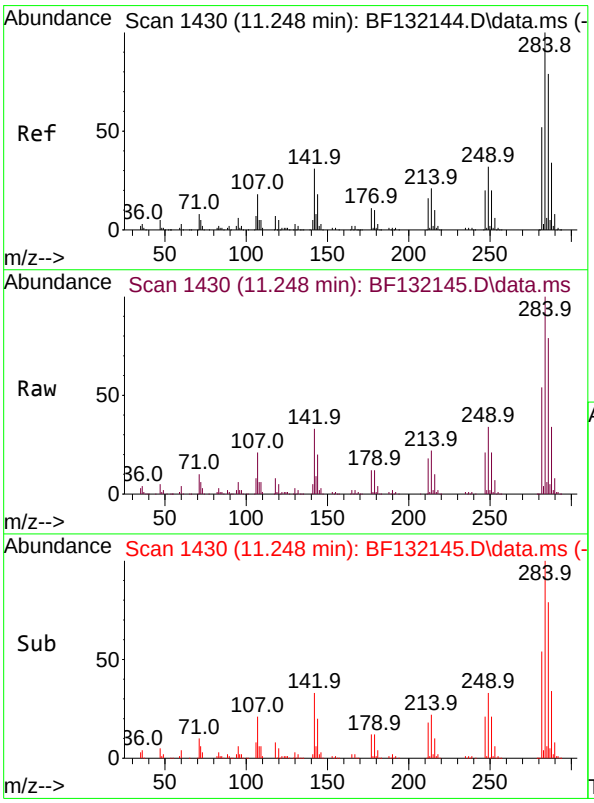
Ion	Ratio	Lower	Upper
248	100		
250	99.9	77.4	116.0
141	64.8	62.2	93.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

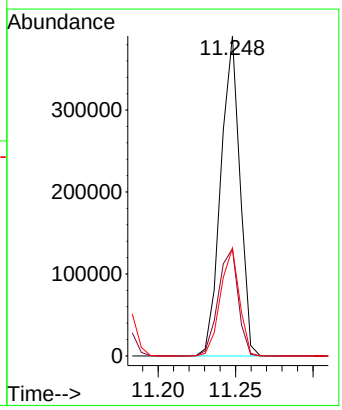


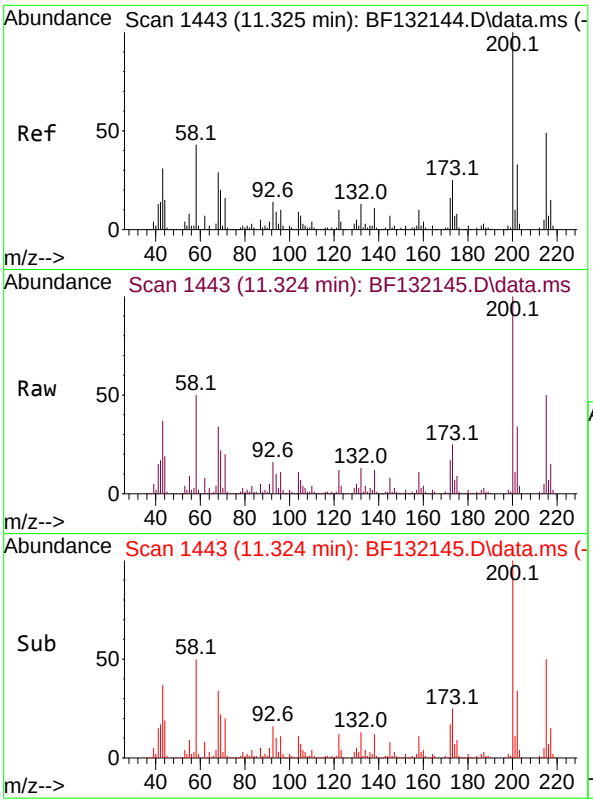


#68
Hexachlorobenzene
Concen: 47.208 ng
RT: 11.248 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:284 Resp: 335056

Ion	Ratio	Lower	Upper
284	100		
142	33.5	24.7	37.1
249	33.7	25.6	38.4





#69
Atrazine
Concen: 47.996 ng
RT: 11.324 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

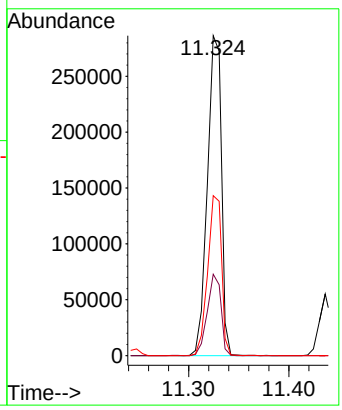
Tgt Ion:200 Resp: 27785

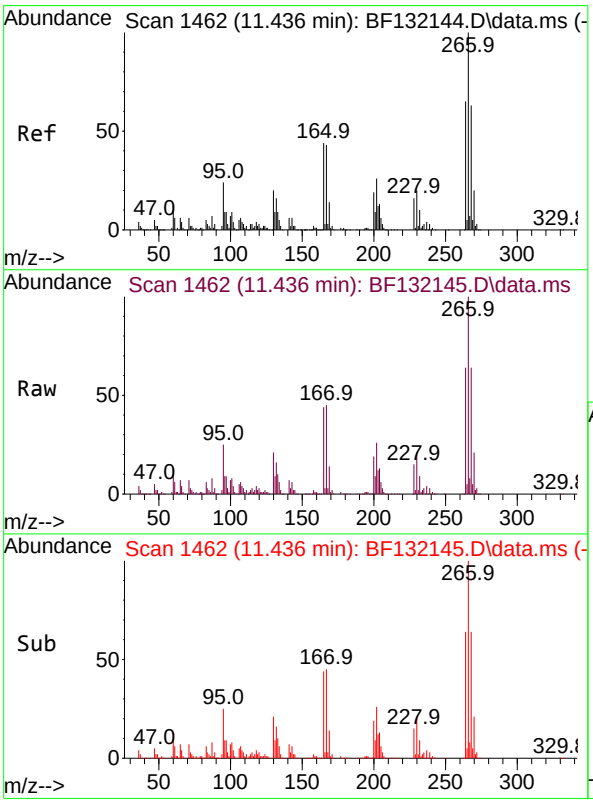
Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.0	45.0
215	50.0	28.6	68.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

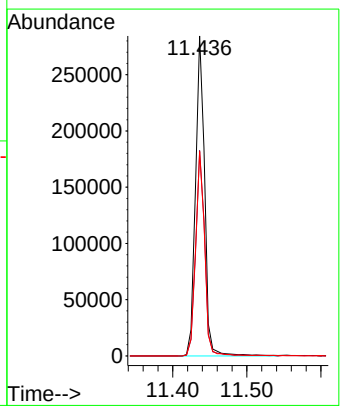


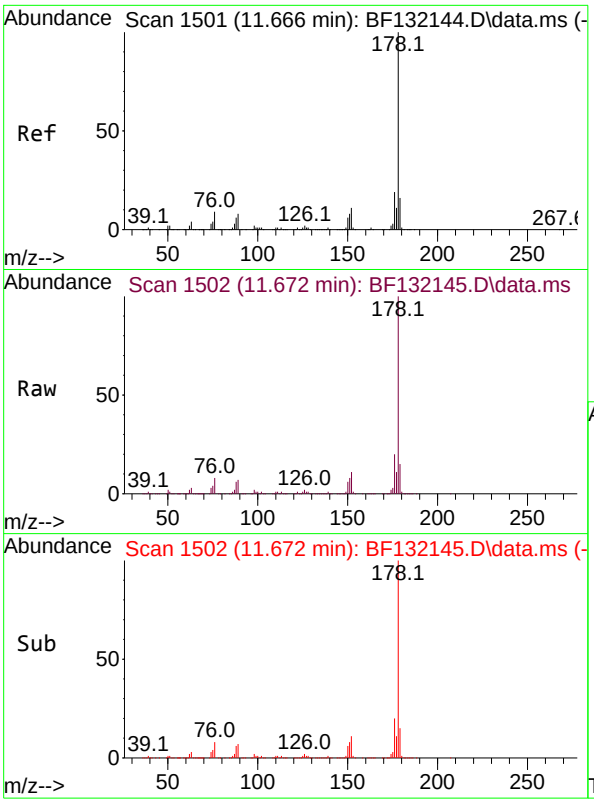


#70
Pentachlorophenol
Concen: 53.494 ng
RT: 11.436 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:266 Resp: 243980

Ion	Ratio	Lower	Upper
266	100		
268	64.2	50.8	76.2
264	63.8	52.3	78.5

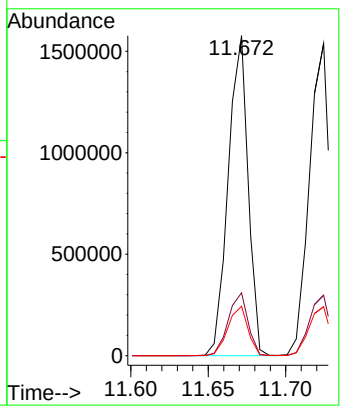




#71
Phenanthrene
Concen: 45.749 ng
RT: 11.672 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:178 Resp: 140659

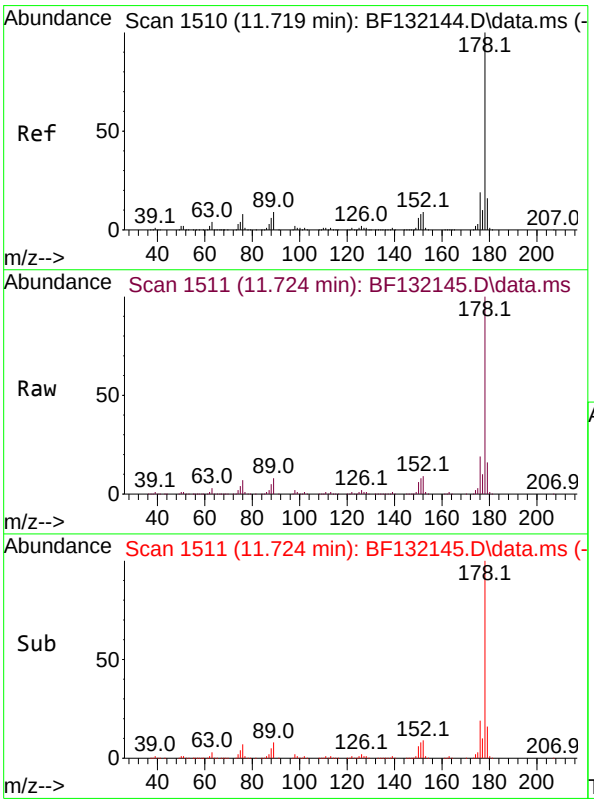
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.4	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

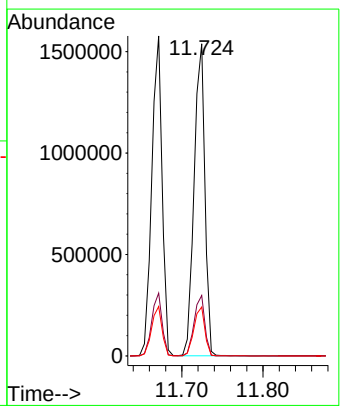
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

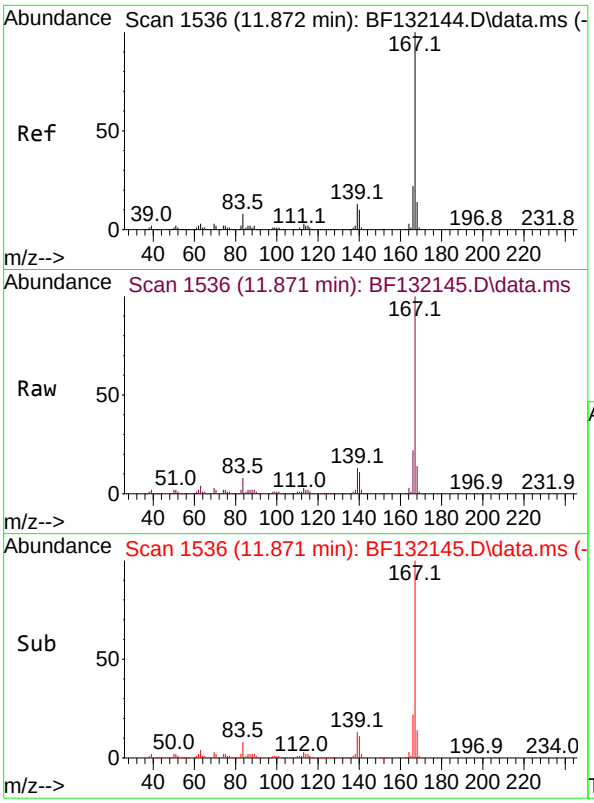


#72
Anthracene
Concen: 45.441 ng
RT: 11.724 min Scan# 1511
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:178 Resp: 1413425

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.7	12.6	18.8

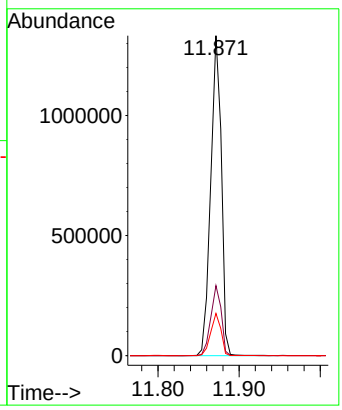




#73
Carbazole
Concen: 45.726 ng
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:167 Resp: 121490

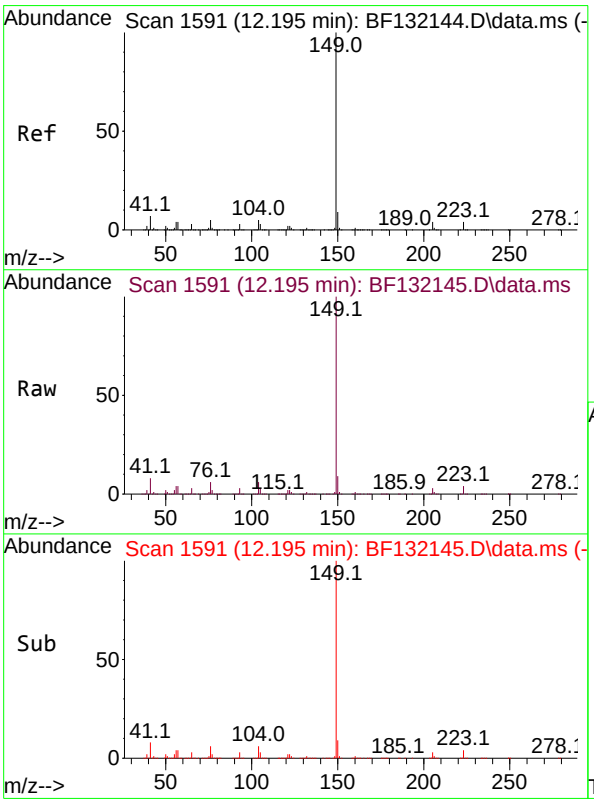
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.7	26.5
139	13.2	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

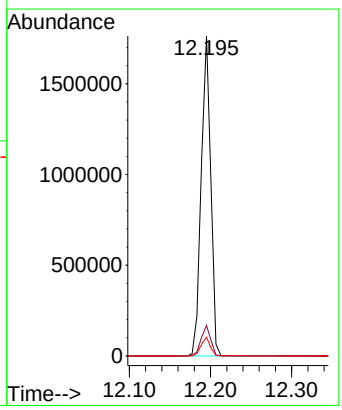
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

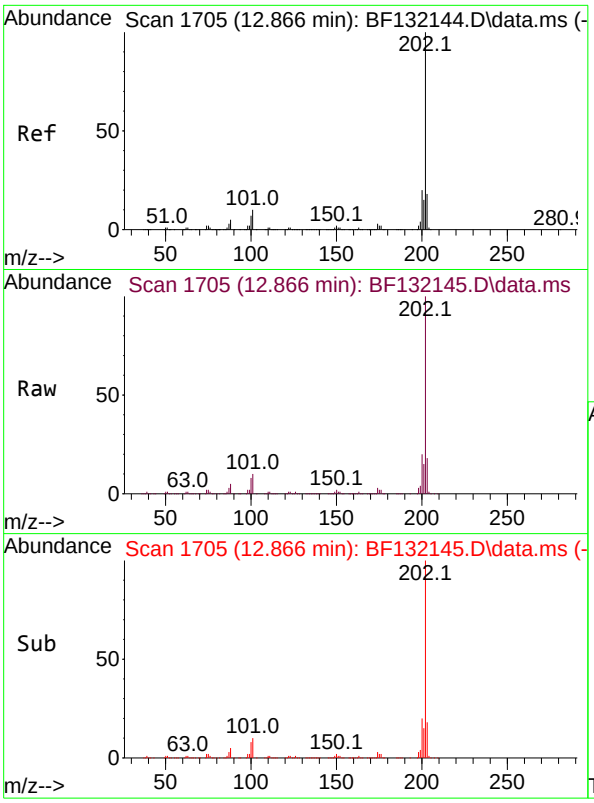


#74
Di-n-butylphthalate
Concen: 48.393 ng
RT: 12.195 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:149 Resp: 1431340

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	5.8	4.3	6.5





#75
Fluoranthene
Concen: 45.390 ng
RT: 12.866 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

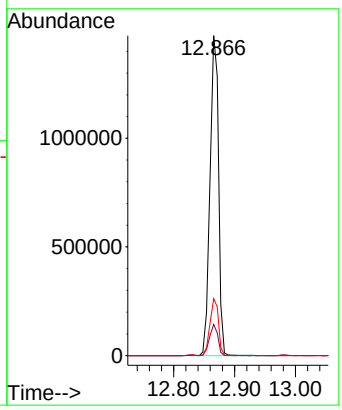
Tgt Ion:202 Resp: 143351

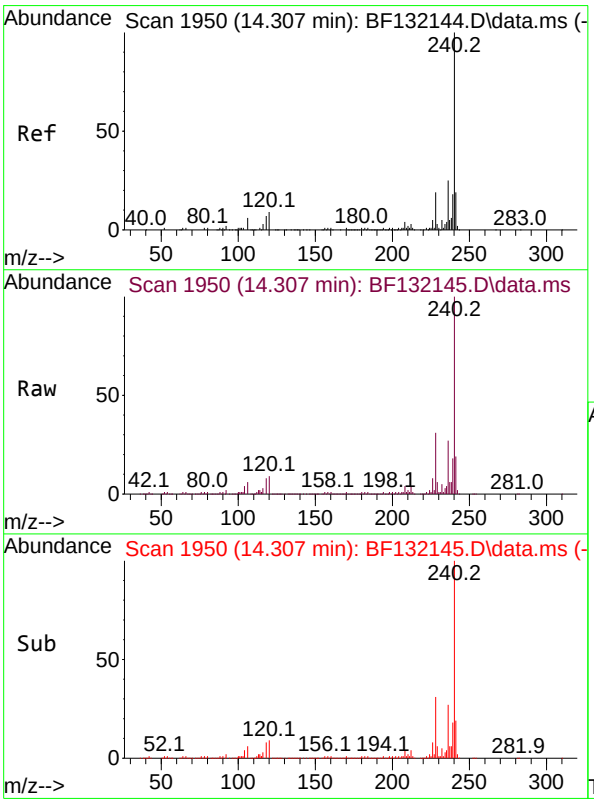
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	29.6
203	17.8	0.0	37.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

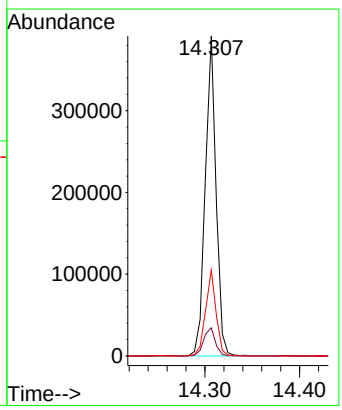


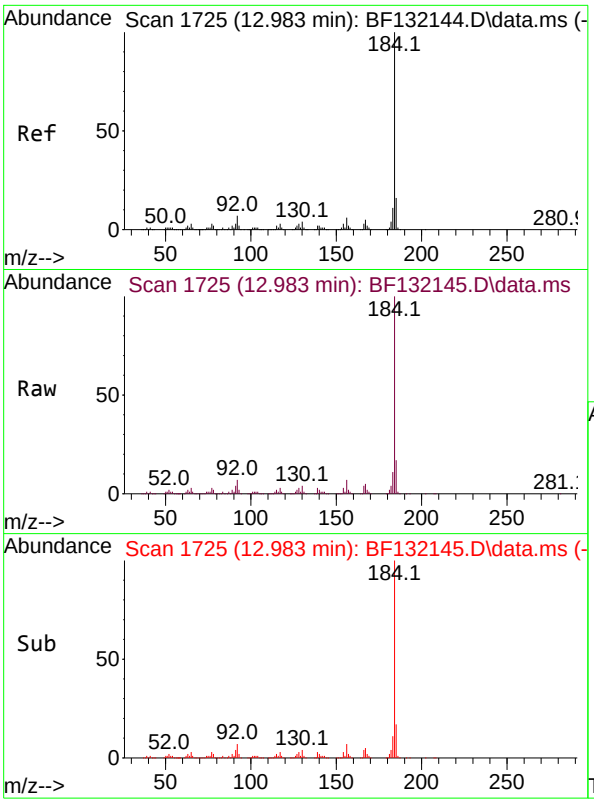


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.307 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:240 Resp: 311022

Ion	Ratio	Lower	Upper
240	100		
120	8.8	6.9	10.3
236	26.8	20.3	30.5

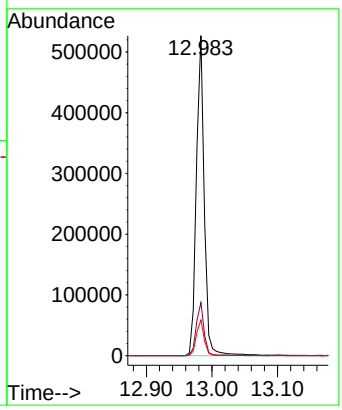




#77
Benzidine
Concen: 47.367 ng
RT: 12.983 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:184 Resp: 44232

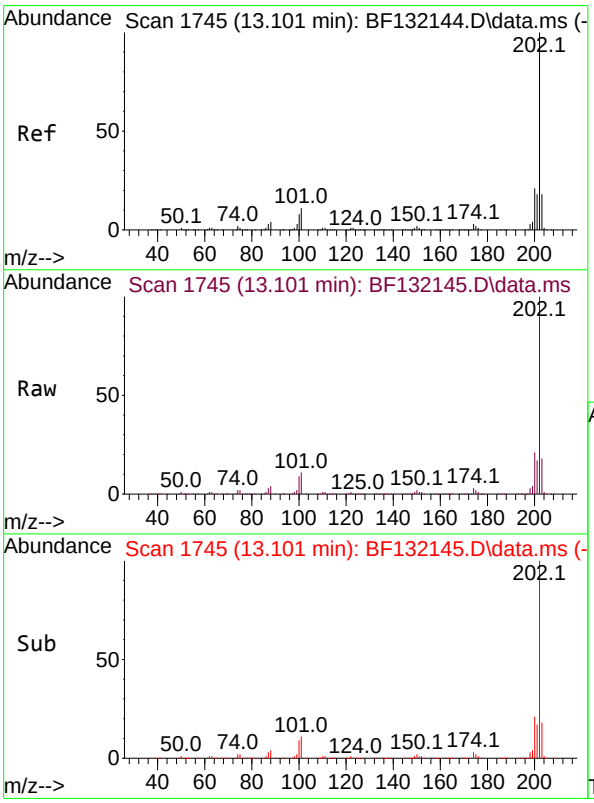
Ion	Ratio	Lower	Upper
184	100		
185	16.6	12.5	18.7
183	11.1	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

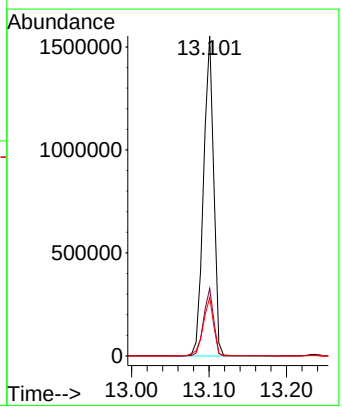
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

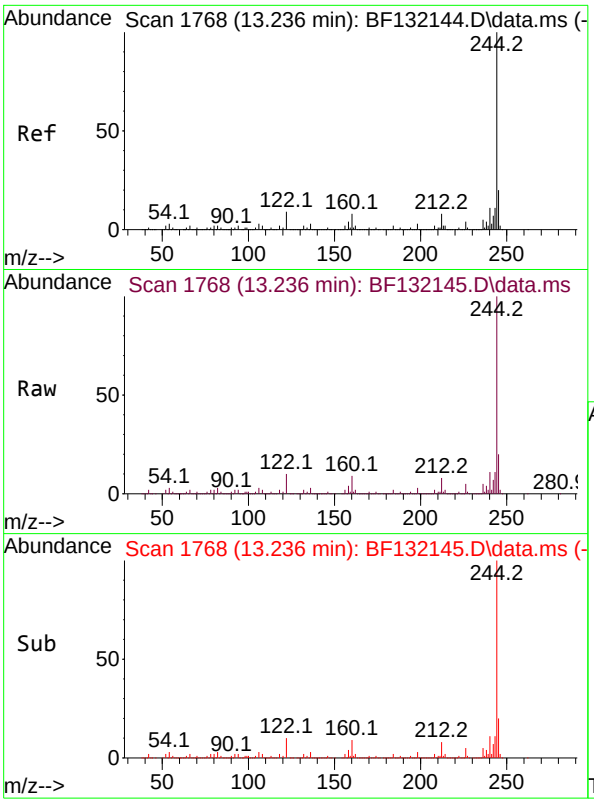


#78
Pyrene
Concen: 49.360 ng
RT: 13.101 min Scan# 1745
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:202 Resp: 1414860

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	18.2	14.0	21.0

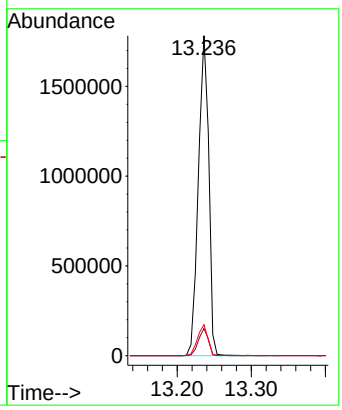




#79
Terphenyl-d14
Concen: 93.467 ng
RT: 13.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:244 Resp: 173543

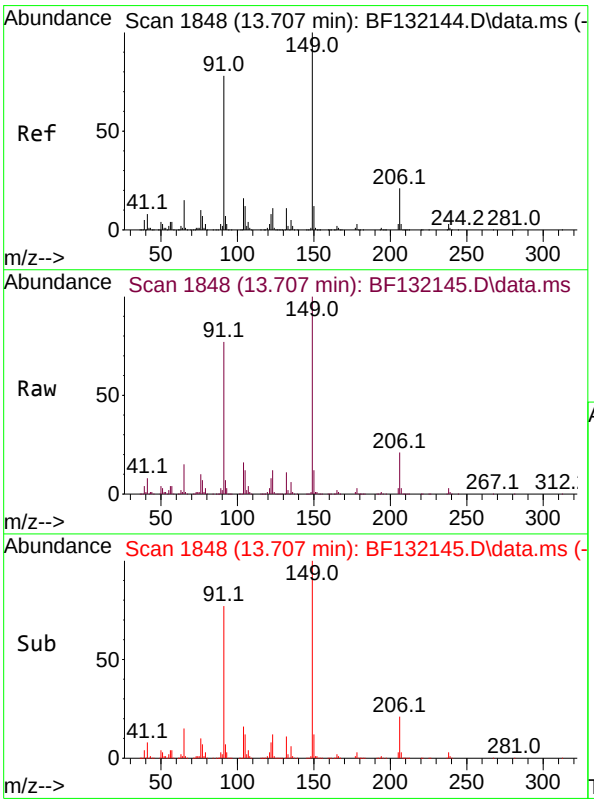
Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.7	10.1
122	9.7	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

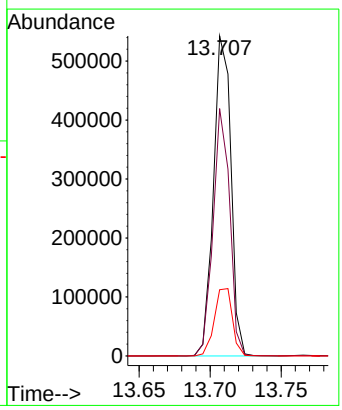
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

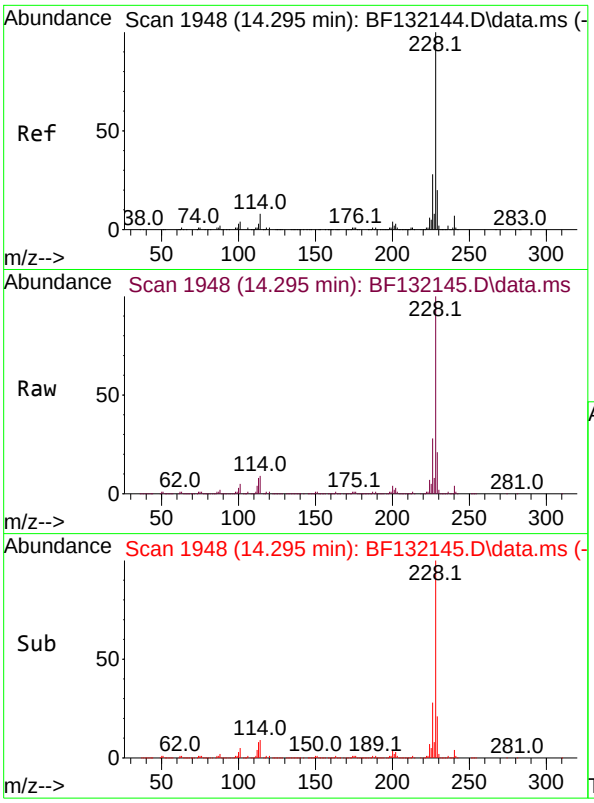


#80
Butylbenzylphthalate
Concen: 55.942 ng
RT: 13.707 min Scan# 1848
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:149 Resp: 464683

Ion	Ratio	Lower	Upper
149	100		
91	77.3	62.6	94.0
206	20.7	16.4	24.6





#81
Benzo(a)anthracene
Concen: 49.077 ng
RT: 14.295 min Scan# 19
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

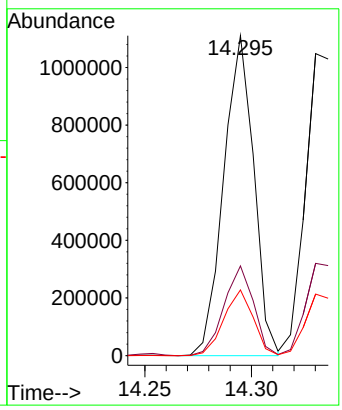
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

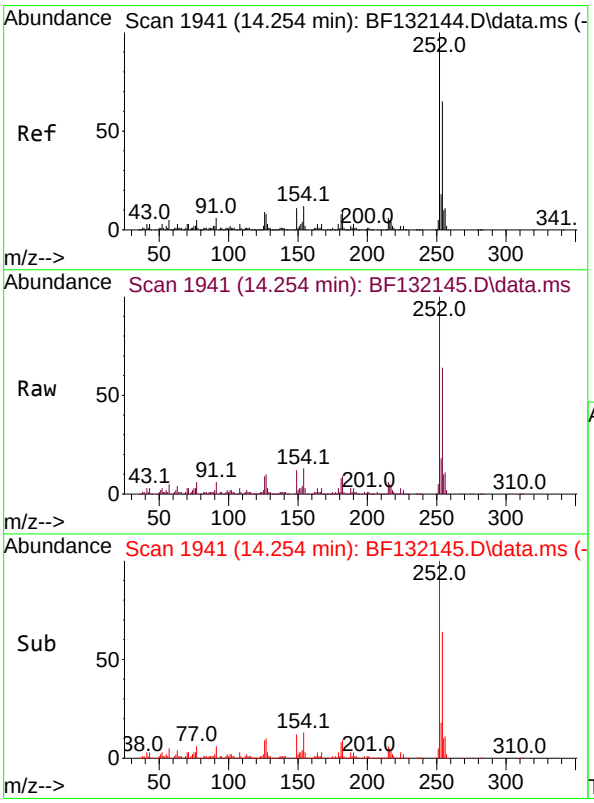
Tgt Ion:228 Resp: 109045

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.5	33.7
229	20.5	16.1	24.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

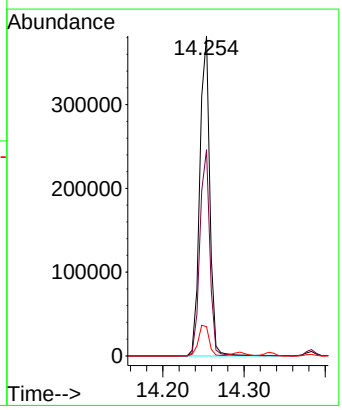


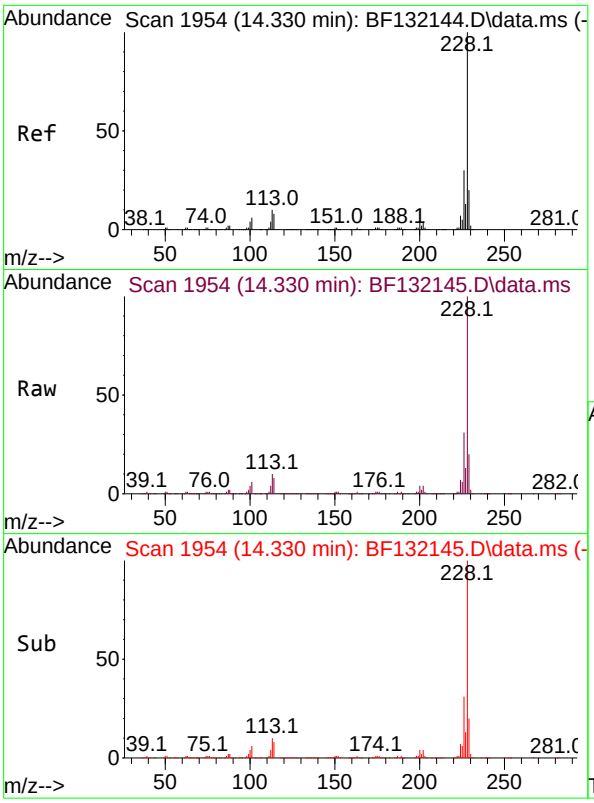


#82
3,3'-Dichlorobenzidine
Concen: 52.500 ng
RT: 14.254 min Scan# 1941
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:252 Resp: 324871

Ion	Ratio	Lower	Upper
252	100		
254	64.4	52.4	78.6
126	9.1	7.0	10.6

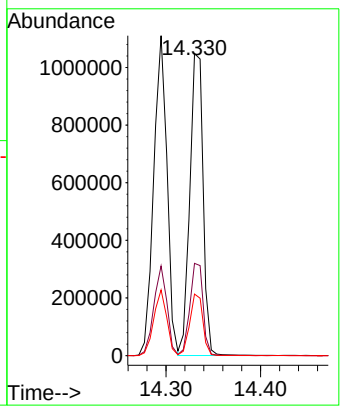




#83
Chrysene
Concen: 48.165 ng
RT: 14.330 min Scan# 19
Delta R.T. 0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:228 Resp: 101867

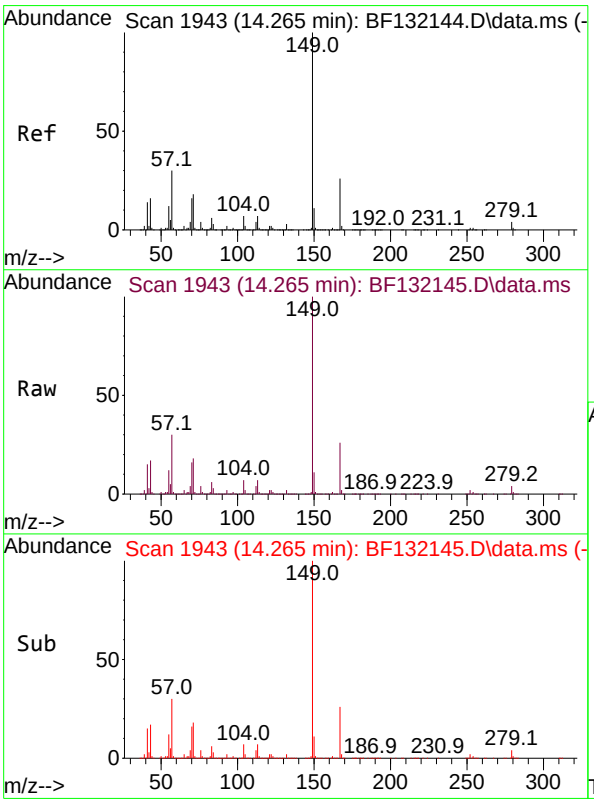
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.3	36.5
229	20.4	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

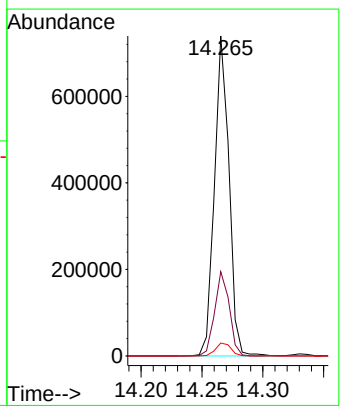
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

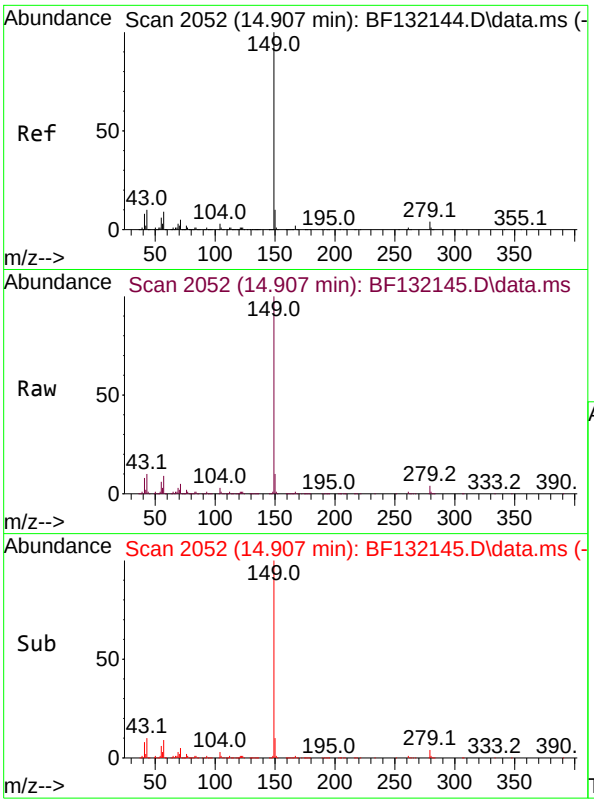


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.881 ng
RT: 14.265 min Scan# 1943
Delta R.T. 0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:149 Resp: 612928

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.0	31.6
279	4.0	3.2	4.8

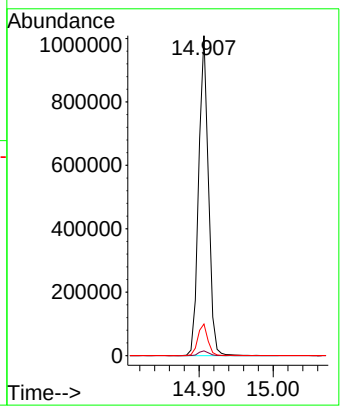




#85
Di-n-octyl phthalate
Concen: 54.824 ng
RT: 14.907 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:149 Resp: 92313

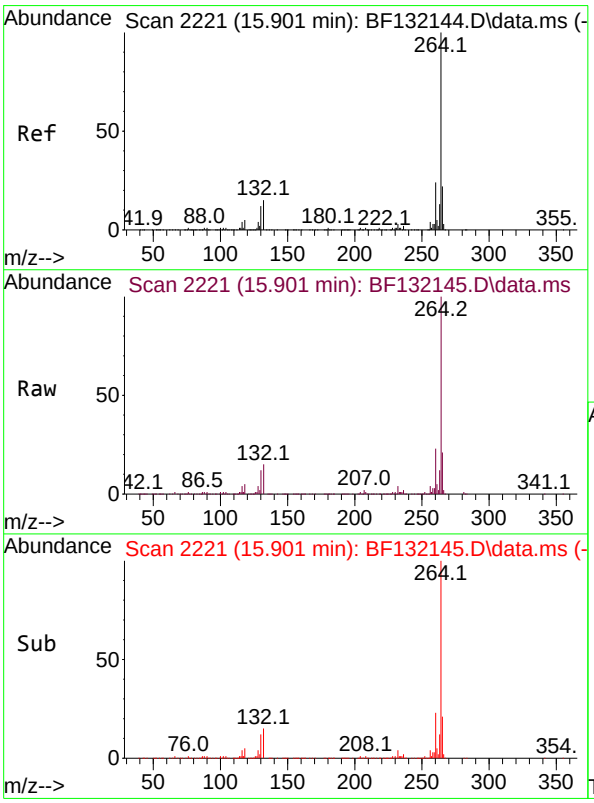
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	10.2	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

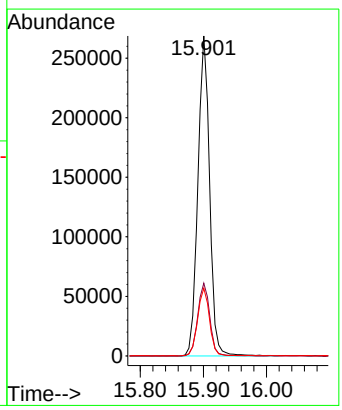
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

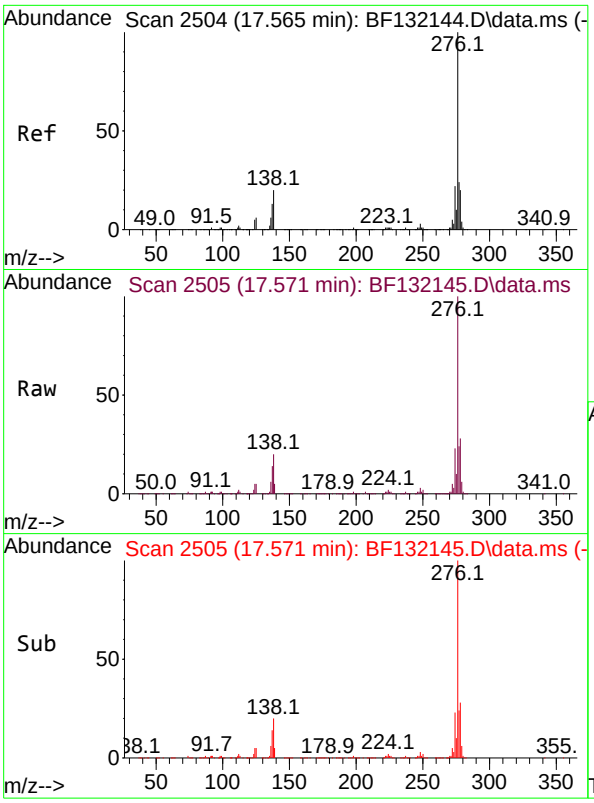


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.901 min Scan# 2221
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:264 Resp: 346490

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.1	28.7
265	21.1	17.4	26.0

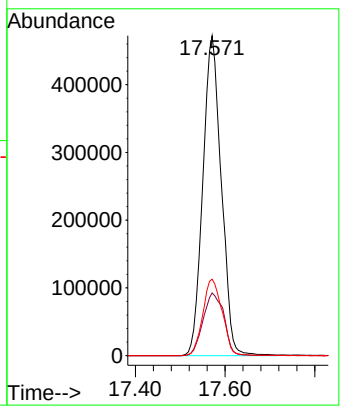




#87
Indeno(1,2,3-cd)pyrene
Concen: 53.593 ng
RT: 17.571 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:276 Resp: 134757

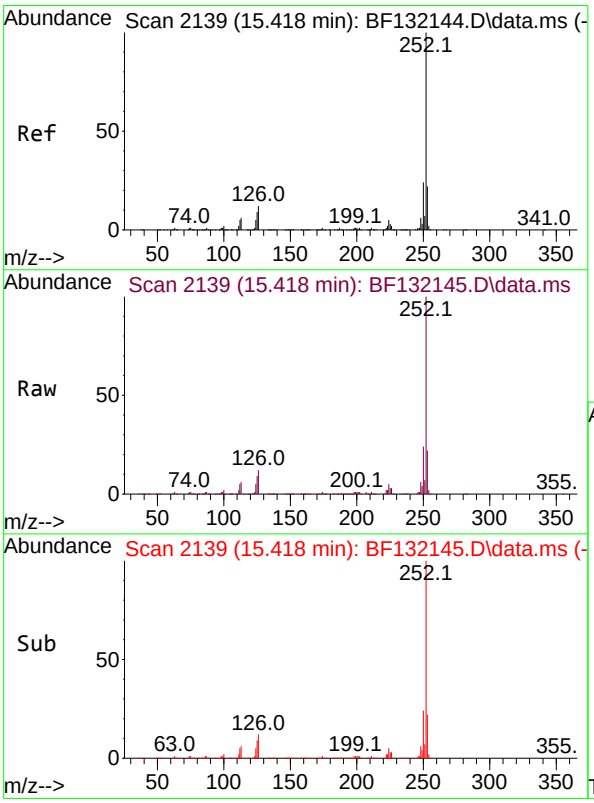
Ion	Ratio	Lower	Upper
276	100		
138	22.2	17.9	26.9
277	25.0	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

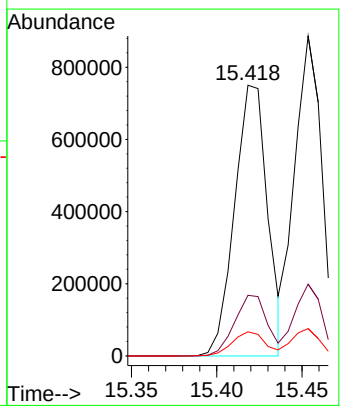
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

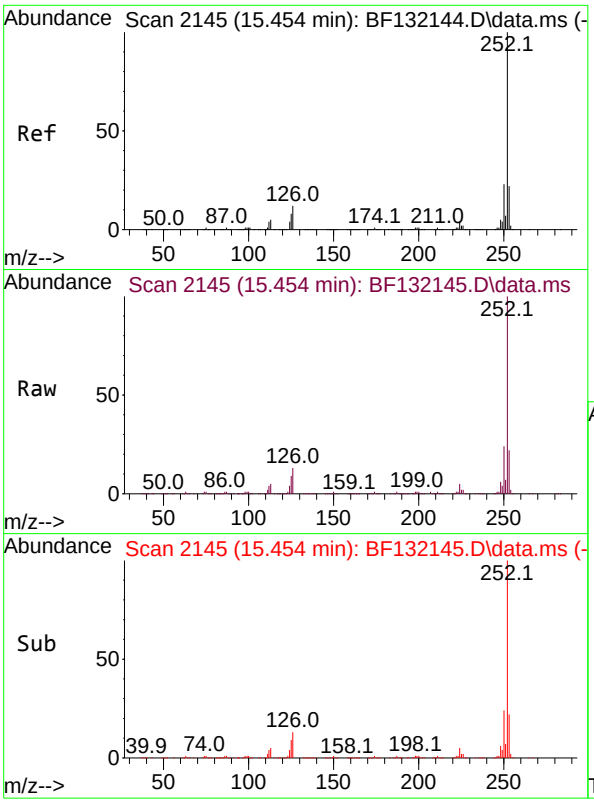


#88
Benzo(b)fluoranthene
Concen: 47.809 ng
RT: 15.418 min Scan# 2139
Delta R.T. 0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:252 Resp: 1008597

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	8.9	7.2	10.8

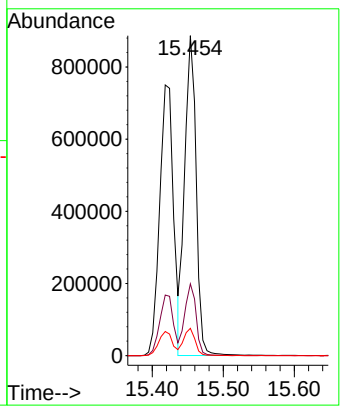




#89
Benzo(k)fluoranthene
Concen: 46.580 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:252 Resp: 100220

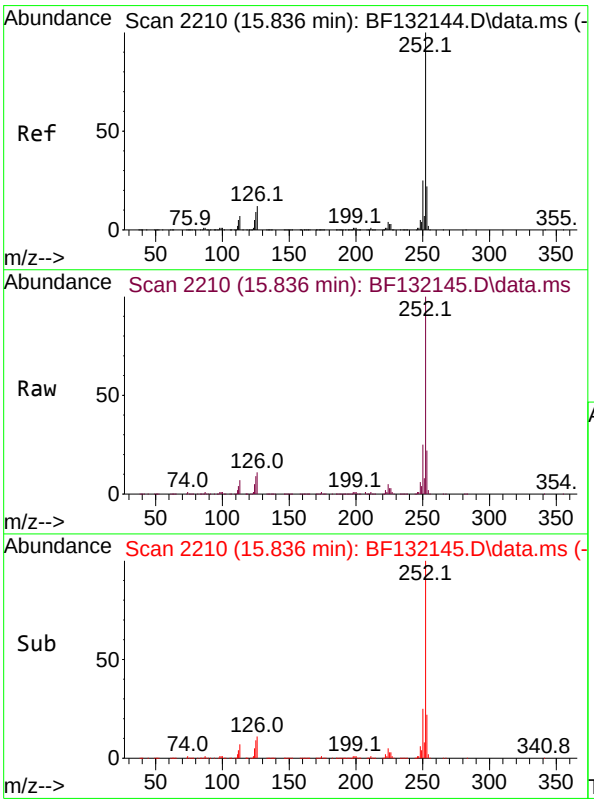
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	8.5	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

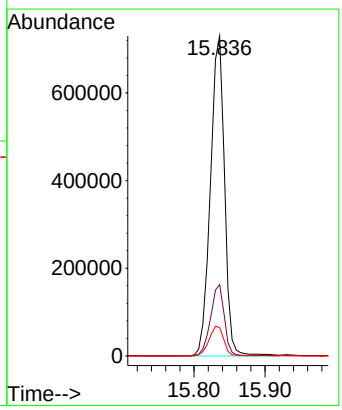
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

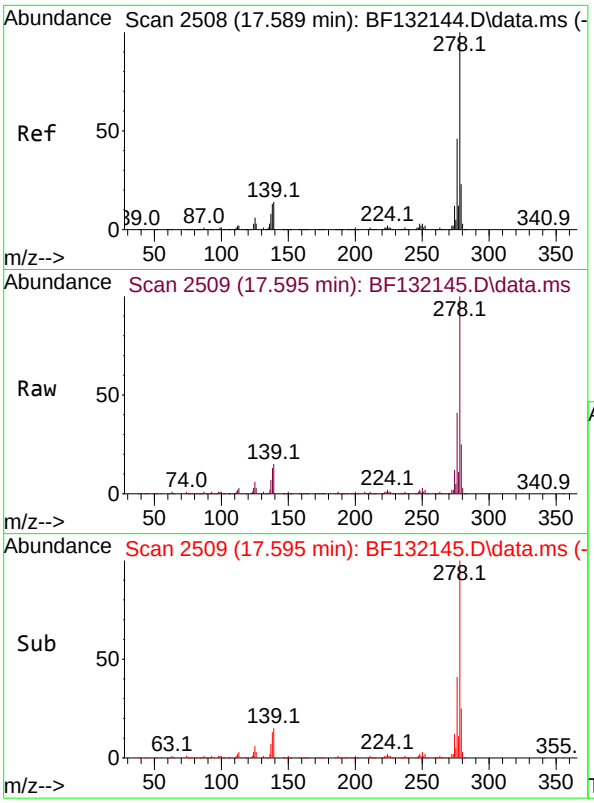


#90
Benzo(a)pyrene
Concen: 49.832 ng
RT: 15.836 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:252 Resp: 1011307

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	8.9	7.3	10.9

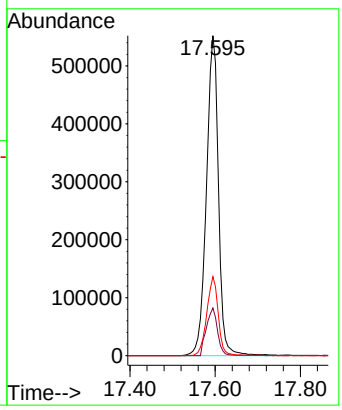




#91
Dibenzo(a,h)anthracene
Concen: 52.778 ng
RT: 17.595 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:278 Resp: 108226

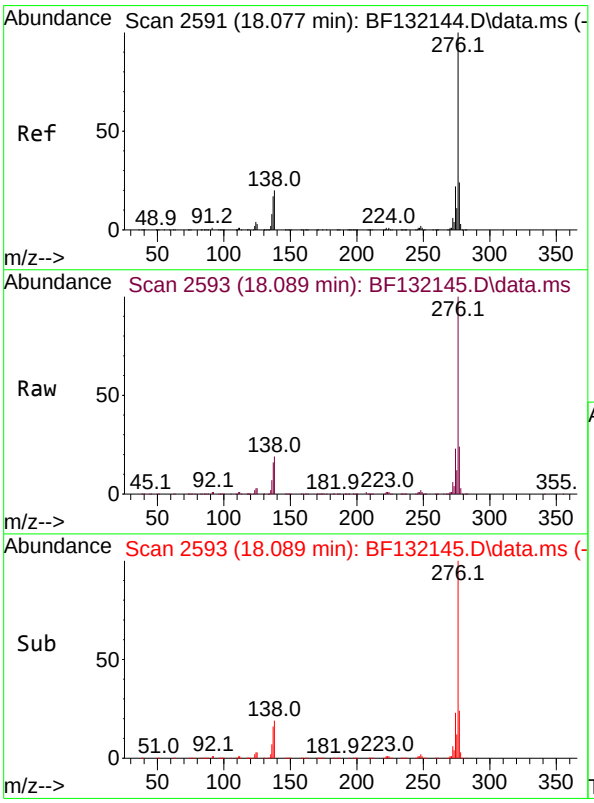
Ion	Ratio	Lower	Upper
278	100		
139	14.9	11.4	17.2
279	24.7	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

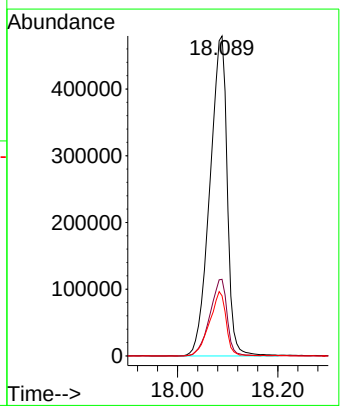
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#92
Benzo(g,h,i)perylene
Concen: 53.311 ng
RT: 18.089 min Scan# 2593
Delta R.T. 0.012 min
Lab File: BF132145.D
Acq: 19 Jan 2023 14:05

Tgt Ion:276 Resp: 1150332

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	18.8	15.7	23.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132146.D
Acq On : 19 Jan 2023 14:38
Operator : CG\JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

Quant Time: Jan 20 00:12:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.096	152	164101	20.000	ng	0.00
21) Naphthalene-d8	8.384	136	543258	20.000	ng	0.00
39) Acenaphthene-d10	10.148	164	277026	20.000	ng	0.00
64) Phenanthrene-d10	11.642	188	485801	20.000	ng	0.00
76) Chrysene-d12	14.307	240	261239	20.000	ng	0.00
86) Perylene-d12	15.901	264	324061	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.713	112	1059992	112.838	ng	0.00
7) Phenol-d6	6.707	99	1331098	112.564	ng	0.00
23) Nitrobenzene-d5	7.660	82	1263977	123.599	ng	0.00
42) 2,4,6-Tribromophenol	10.942	330	364523	123.189	ng	0.00
45) 2-Fluorobiphenyl	9.460	172	1988942	112.362	ng	0.00
79) Terphenyl-d14	13.236	244	1766851	113.293	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.037	88	283102	59.486	ng	99
3) Pyridine	3.790	79	765012	59.879	ng	98
4) n-Nitrosodimethylamine	3.766	42	374475	62.324	ng	100
6) Aniline	6.760	93	954832m	58.063	ng	
8) 2-Chlorophenol	6.878	128	559128	56.624	ng	98
9) Benzaldehyde	6.643	77	399508	52.515	ng	97
10) Phenol	6.725	94	693090	56.300	ng	99
11) bis(2-Chloroethyl)ether	6.825	93	600050	57.578	ng	100
12) 1,3-Dichlorobenzene	7.037	146	624541	56.582	ng	98
13) 1,4-Dichlorobenzene	7.113	146	623474	56.608	ng	97
14) 1,2-Dichlorobenzene	7.266	146	558505	54.840	ng	97
15) Benzyl Alcohol	7.231	79	543905m	59.323	ng	
16) 2,2'-oxybis(1-Chloropr...	7.360	45	858154	56.657	ng	100
17) 2-Methylphenol	7.331	107	501889	58.018	ng	97
18) Hexachloroethane	7.607	117	238869	60.417	ng	98
19) n-Nitroso-di-n-propyla...	7.507	70	400734	55.324	ng	96
20) 3+4-Methylphenols	7.490	107	619283	56.813	ng	95
22) Acetophenone	7.501	105	719773	55.124	ng	96
24) Nitrobenzene	7.678	77	661651	61.107	ng	100
25) Isophorone	7.913	82	1204344	60.189	ng	98
27) 2,4-Dimethylphenol	8.019	122	509668	58.866	ng	98
28) bis(2-Chloroethoxy)met...	8.119	93	685428	57.094	ng	100
29) 2,4-Dichlorophenol	8.231	162	497669	60.545	ng	99
30) 1,2,4-Trichlorobenzene	8.319	180	533946	57.190	ng	99
31) Naphthalene	8.407	128	1573333	56.391	ng	99
32) Benzoic acid	8.131	122	372112	73.214	ng	92
33) 4-Chloroaniline	8.448	127	668392	55.981	ng	98
34) Hexachlorobutadiene	8.513	225	374047	59.639	ng	99
35) Caprolactam	8.831	113	146867	63.124	ng	97
36) 4-Chloro-3-methylphenol	8.919	107	492144	59.496	ng	98
37) 2-Methylnaphthalene	9.095	142	1067083	55.550	ng	99
38) 1-Methylnaphthalene	9.195	142	992206	55.513	ng	98
40) 1,2,4,5-Tetrachloroben...	9.260	216	554629	57.542	ng	100
41) Hexachlorocyclopentadiene	9.248	237	350854	66.706	ng	98
43) 2,4,6-Trichlorophenol	9.366	196	374625	62.627	ng	98
44) 2,4,5-Trichlorophenol	9.401	196	435398	62.235	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132146.D
Acq On : 19 Jan 2023 14:38
Operator : CG\JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 20 00:12:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.560	154	1238119	56.650	ng		100
47) 2-Chloronaphthalene	9.589	162	969983	57.413	ng		97
48) 2-Nitroaniline	9.678	65	336394	69.154	ng		94
49) Acenaphthylene	10.007	152	1538399	56.920	ng		100
50) Dimethylphthalate	9.860	163	1159801	57.805	ng		99
51) 2,6-Dinitrotoluene	9.919	165	254927	65.553	ng	#	86
52) Acenaphthene	10.184	154	933128	57.399	ng		98
53) 3-Nitroaniline	10.095	138	254855	61.295	ng		99
54) 2,4-Dinitrophenol	10.195	184	109113	69.468	ng	#	46
55) Dibenzofuran	10.354	168	1418239	56.451	ng		96
56) 4-Nitrophenol	10.231	139	198311	65.536	ng		88
57) 2,4-Dinitrotoluene	10.325	165	314857	67.450	ng		97
58) Fluorene	10.701	166	1014678	54.506	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.466	232	331979	62.381	ng		99
60) Diethylphthalate	10.560	149	1131757	57.521	ng		100
61) 4-Chlorophenyl-phenyle...	10.684	204	559503	56.128	ng		97
62) 4-Nitroaniline	10.713	138	234838	60.667	ng		96
63) Azobenzene	10.848	77	1125601	57.002	ng		97
65) 4,6-Dinitro-2-methylph...	10.736	198	149779	71.112	ng		96
66) n-Nitrosodiphenylamine	10.807	169	915576	58.848	ng		99
67) 4-Bromophenyl-phenylether	11.183	248	355646	60.061	ng		94
68) Hexachlorobenzene	11.248	284	353336	60.040	ng		94
69) Atrazine	11.325	200	288287	60.057	ng		99
70) Pentachlorophenol	11.436	266	254300	67.243	ng		98
71) Phenanthrene	11.672	178	1461486	57.327	ng		99
72) Anthracene	11.725	178	1465755	56.831	ng		99
73) Carbazole	11.872	167	1241858	56.370	ng		100
74) Di-n-butylphthalate	12.195	149	1458925	59.487	ng		99
75) Fluoranthene	12.866	202	1459641	55.738	ng		99
77) Benzidine	12.983	184	449922	57.362	ng		98
78) Pyrene	13.101	202	1436571	59.668	ng		99
80) Butylbenzylphthalate	13.707	149	489360	70.140	ng		98
81) Benzo(a)anthracene	14.295	228	1152856	61.773	ng		99
82) 3,3'-Dichlorobenzidine	14.254	252	357350	68.754	ng		99
83) Chrysene	14.336	228	1081540	60.882	ng		99
84) Bis(2-ethylhexyl)phtha...	14.266	149	659424	71.576	ng		99
85) Di-n-octyl phthalate	14.907	149	1066128	75.381	ng		100
87) Indeno(1,2,3-cd)pyrene	17.571	276	1615101	68.678	ng		99
88) Benzo(b)fluoranthene	15.424	252	1178524	59.730	ng		99
89) Benzo(k)fluoranthene	15.454	252	1174837	58.383	ng		99
90) Benzo(a)pyrene	15.836	252	1208530	63.672	ng		99
91) Dibenzo(a,h)anthracene	17.595	278	1286113	67.060	ng		99
92) Benzo(g,h,i)perylene	18.089	276	1382605	68.510	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

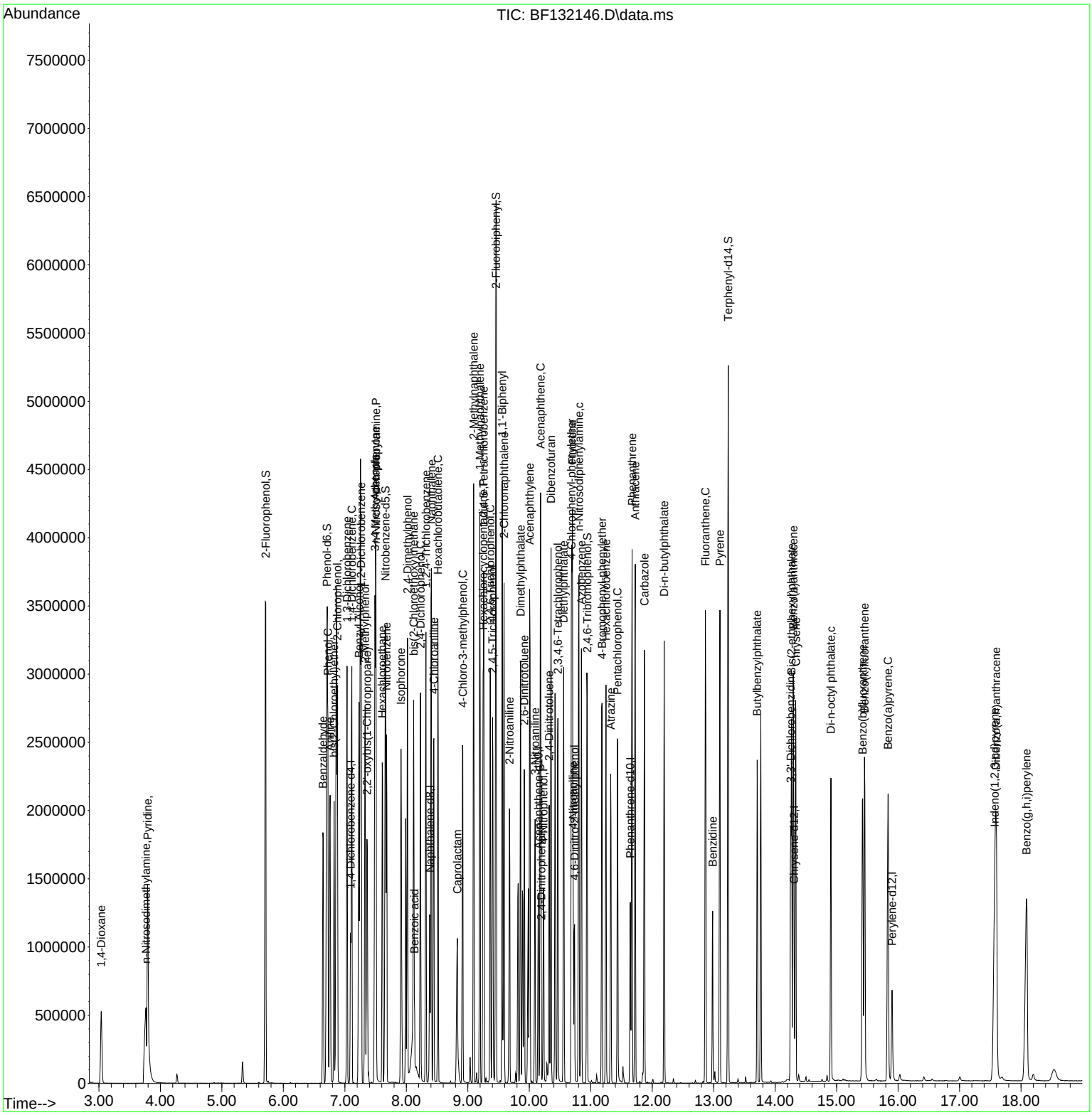
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132146.D
Acq On : 19 Jan 2023 14:38
Operator : CG\JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

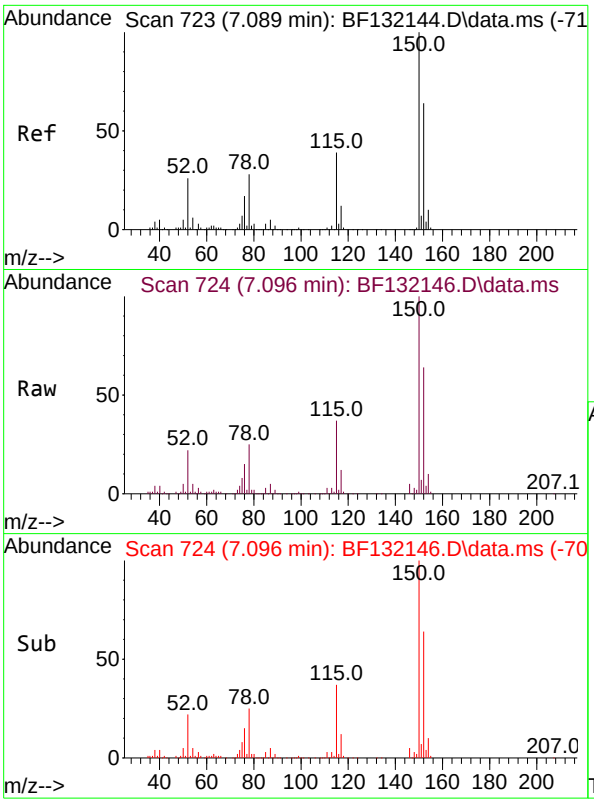
Quant Time: Jan 20 00:12:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

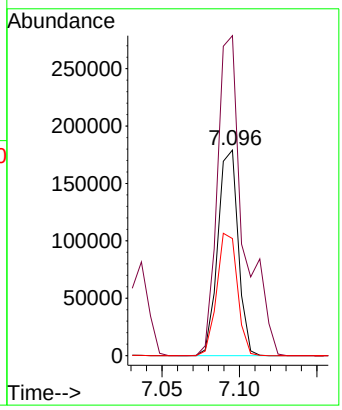




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.096 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:152 Resp: 16410

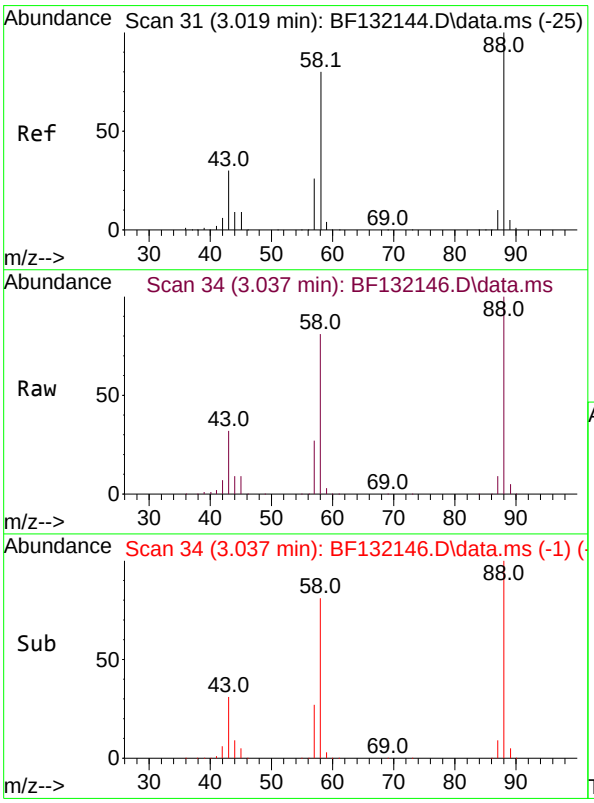
Ion	Ratio	Lower	Upper
152	100		
150	155.7	125.8	188.8
115	57.0	49.2	73.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

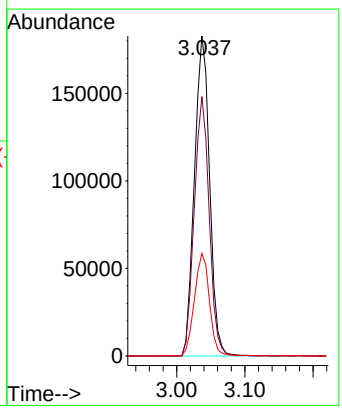
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

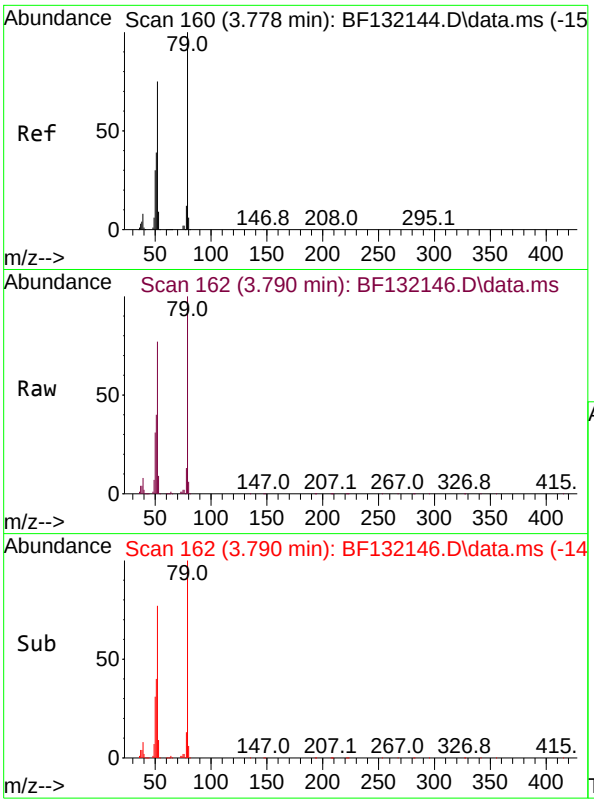


#2
1,4-Dioxane
Concen: 59.486 ng
RT: 3.037 min Scan# 34
Delta R.T. 0.018 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion: 88 Resp: 283102

Ion	Ratio	Lower	Upper
88	100		
58	79.8	64.0	96.0
43	31.7	24.2	36.4

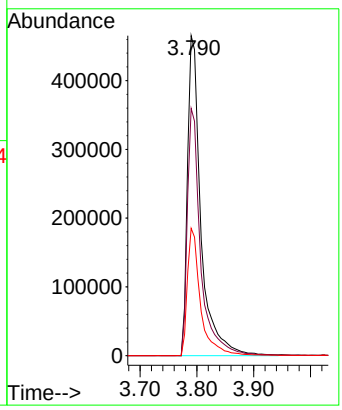




#3
Pyridine
Concen: 59.879 ng
RT: 3.790 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion: 79 Resp: 765012

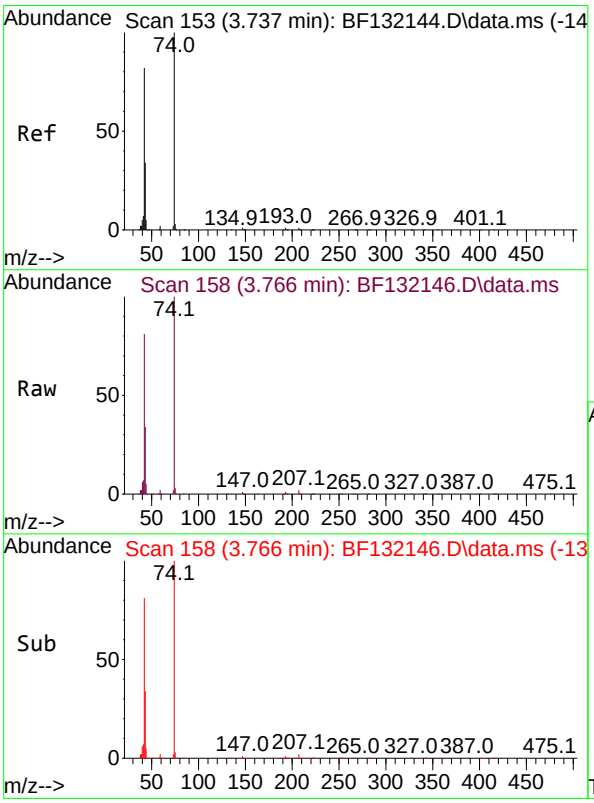
Ion	Ratio	Lower	Upper
79	100		
52	77.2	60.1	90.1
51	39.8	31.4	47.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

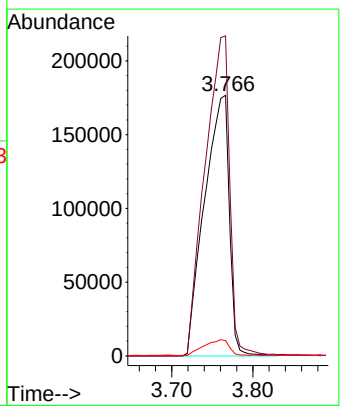
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

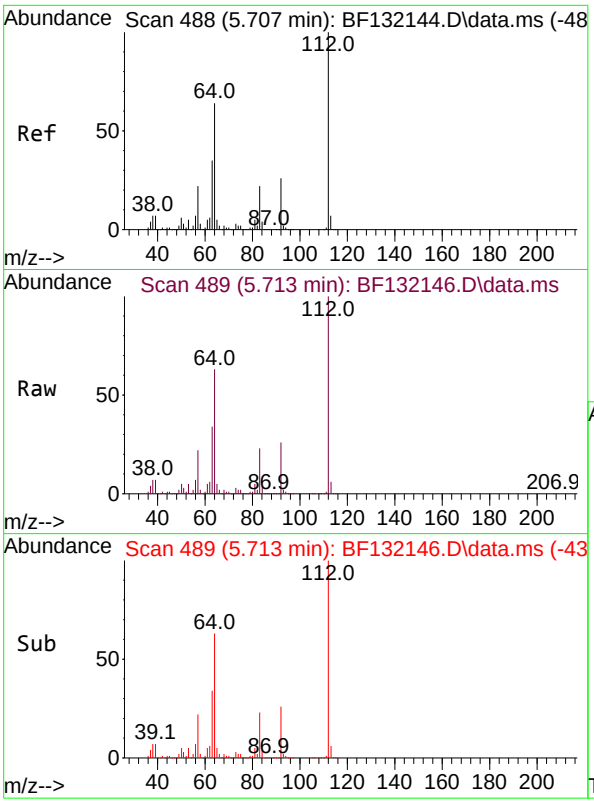


#4
n-Nitrosodimethylamine
Concen: 62.324 ng
RT: 3.766 min Scan# 158
Delta R.T. 0.030 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion: 42 Resp: 374475

Ion	Ratio	Lower	Upper
42	100		
74	122.8	98.1	147.1
44	5.9	5.2	7.8





#5
2-Fluorophenol
Concen: 112.838 ng
RT: 5.713 min Scan# 48
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

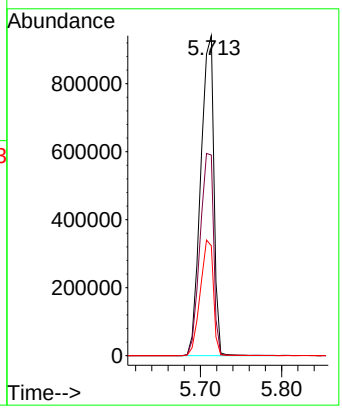
Tgt Ion:112 Resp: 105999

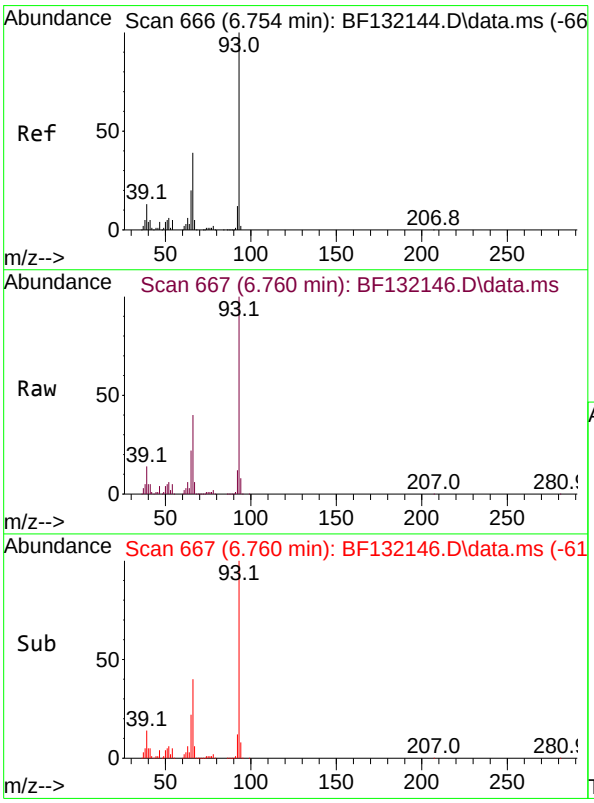
Ion	Ratio	Lower	Upper
112	100		
64	62.7	51.4	77.0
63	34.3	28.2	42.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

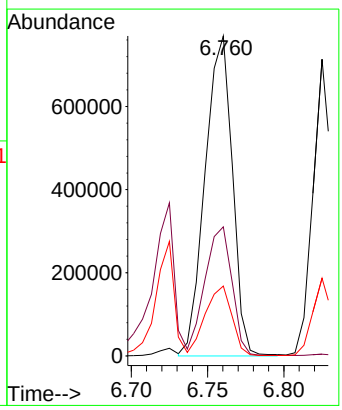


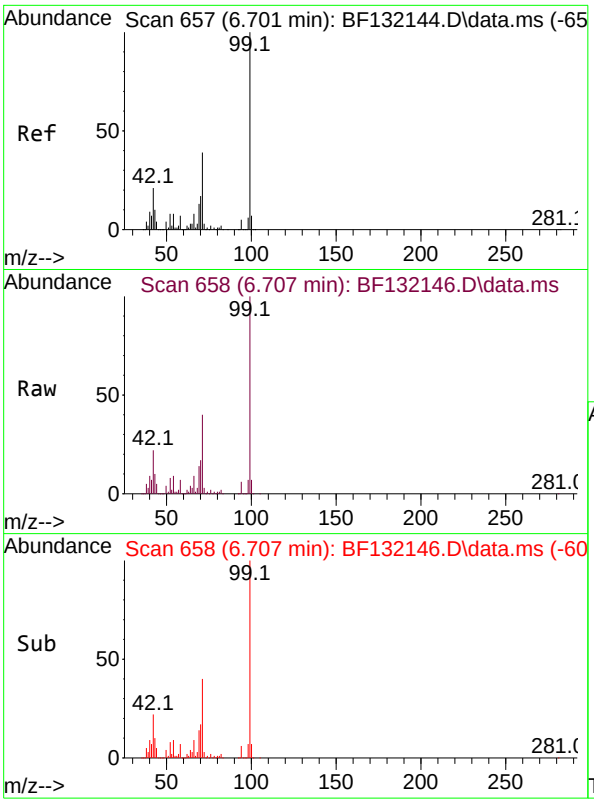


#6
Aniline
Concen: 58.063 ng m
RT: 6.760 min Scan# 667
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion: 93 Resp: 954832

Ion	Ratio	Lower	Upper
93	100		
66	40.3	33.0	49.6
65	21.8	16.8	25.2

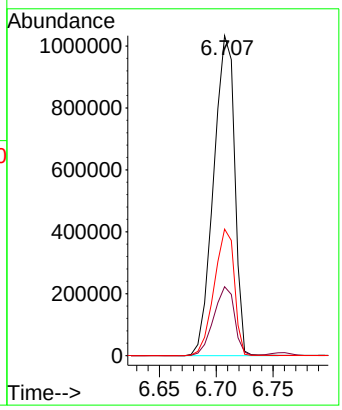




#7
Phenol-d6
Concen: 112.564 ng
RT: 6.707 min Scan# 6
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion: 99 Resp: 133109

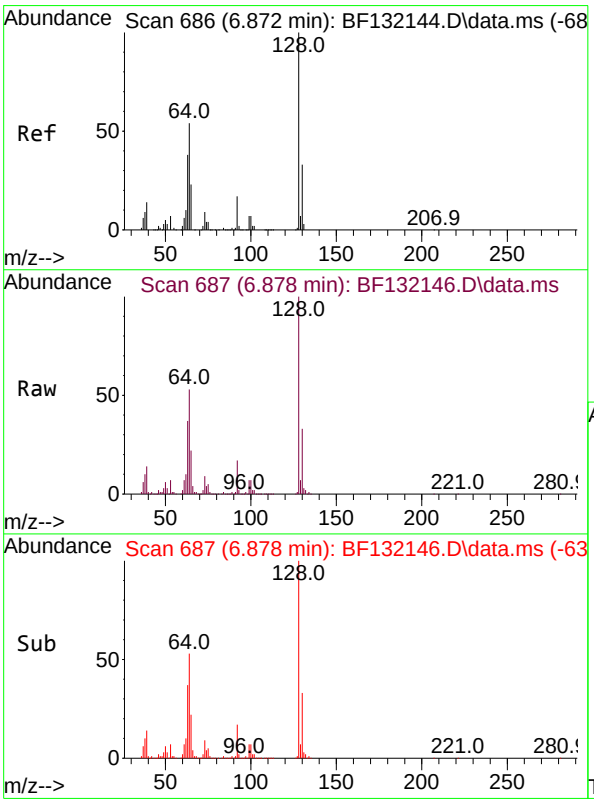
Ion	Ratio	Lower	Upper
99	100		
42	21.5	16.6	24.8
71	39.5	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

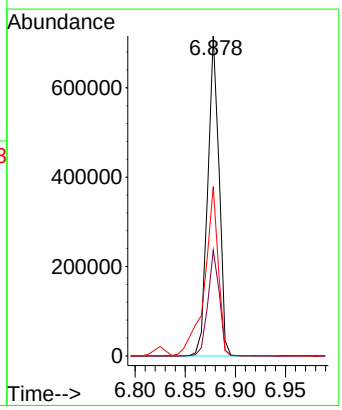
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

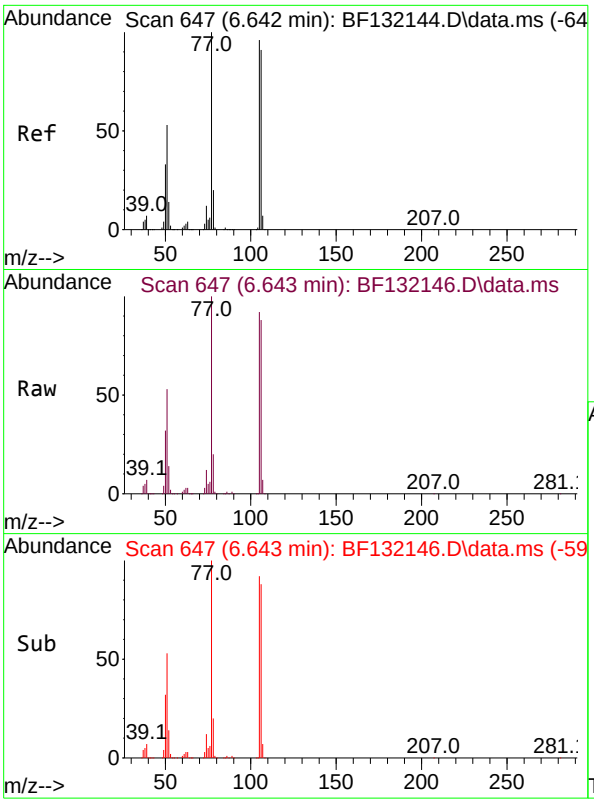


#8
2-Chlorophenol
Concen: 56.624 ng
RT: 6.878 min Scan# 687
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:128 Resp: 559128

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.8	52.8
64	52.9	34.8	74.8

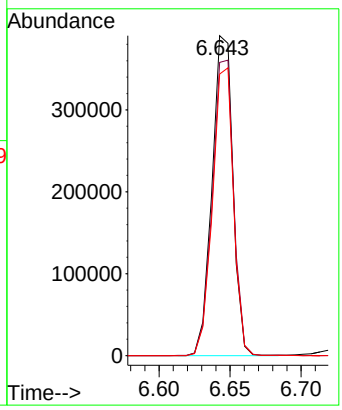




#9
Benzaldehyde
Concen: 52.515 ng
RT: 6.643 min Scan# 64
Delta R.T. 0.001 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion: 77 Resp: 399508

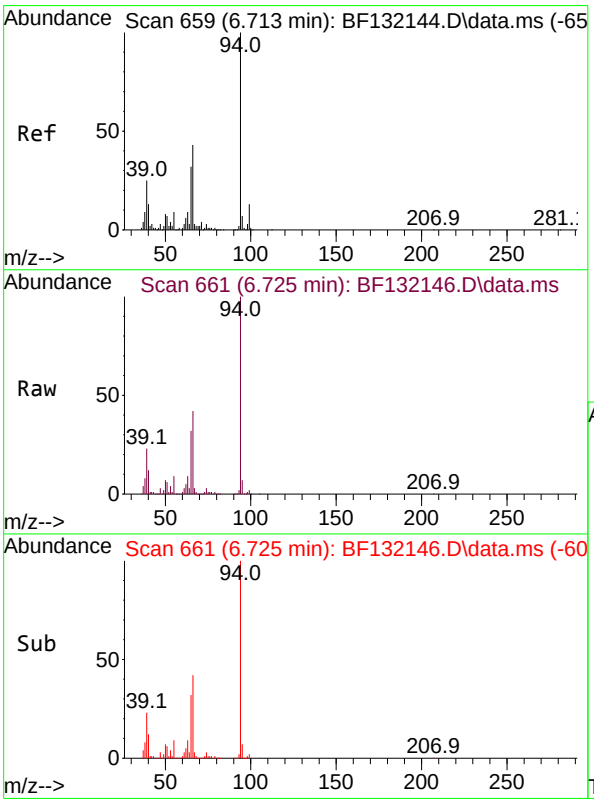
Ion	Ratio	Lower	Upper
77	100		
105	91.6	75.5	115.5
106	88.0	70.7	110.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

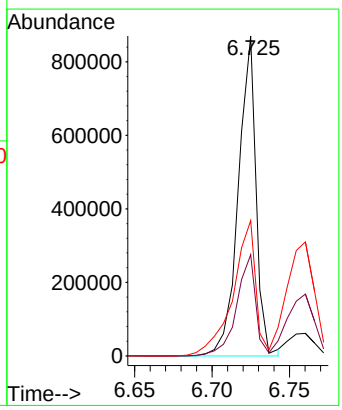
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

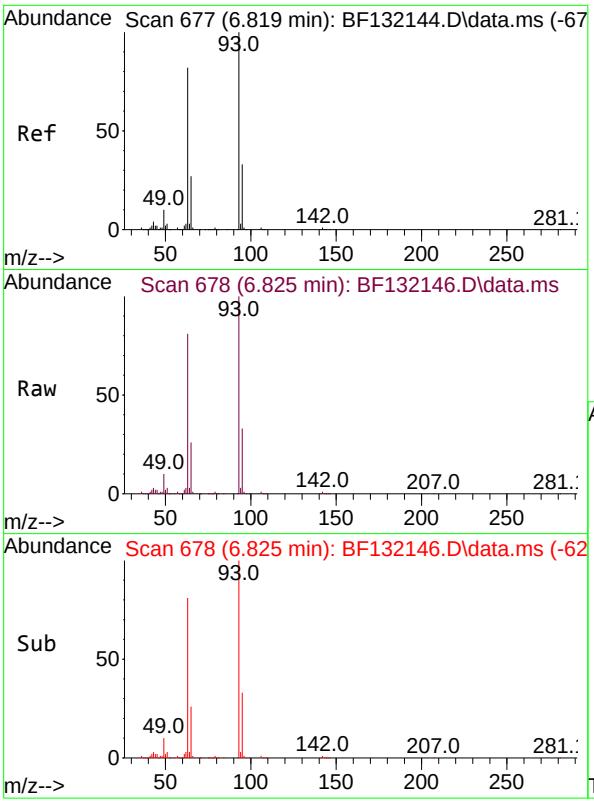


#10
Phenol
Concen: 56.300 ng
RT: 6.725 min Scan# 661
Delta R.T. 0.012 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion: 94 Resp: 693090

Ion	Ratio	Lower	Upper
94	100		
65	31.6	12.0	52.0
66	42.3	22.7	62.7

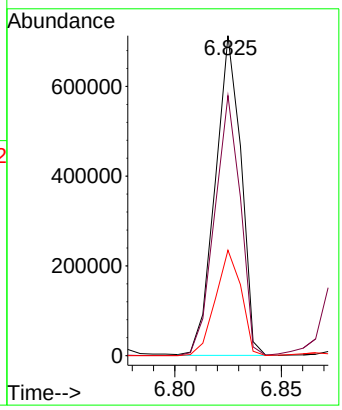




#11
bis(2-Chloroethyl)ether
Concen: 57.578 ng
RT: 6.825 min Scan# 6
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion: 93 Resp: 60005

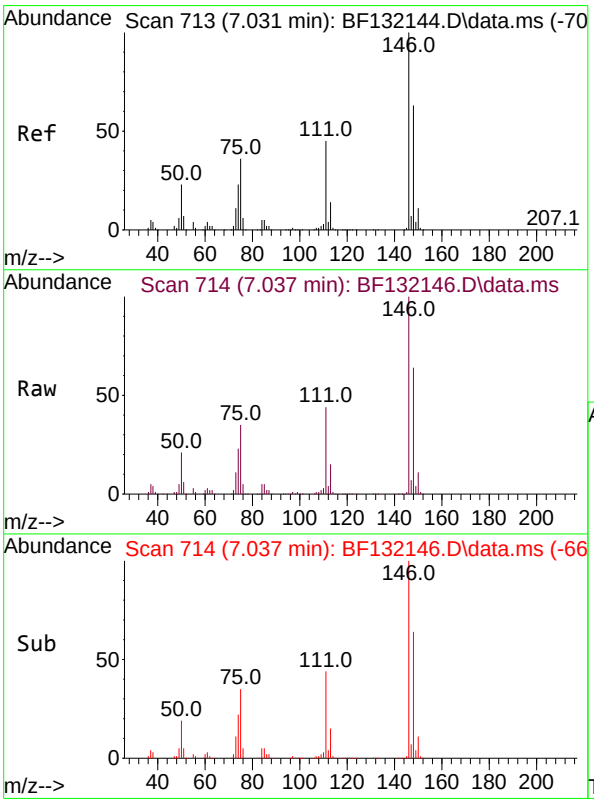
Ion	Ratio	Lower	Upper
93	100		
63	81.3	61.6	101.6
95	32.9	12.7	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

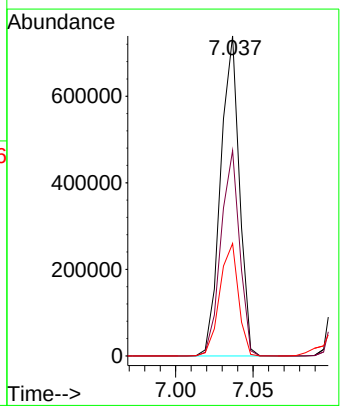
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

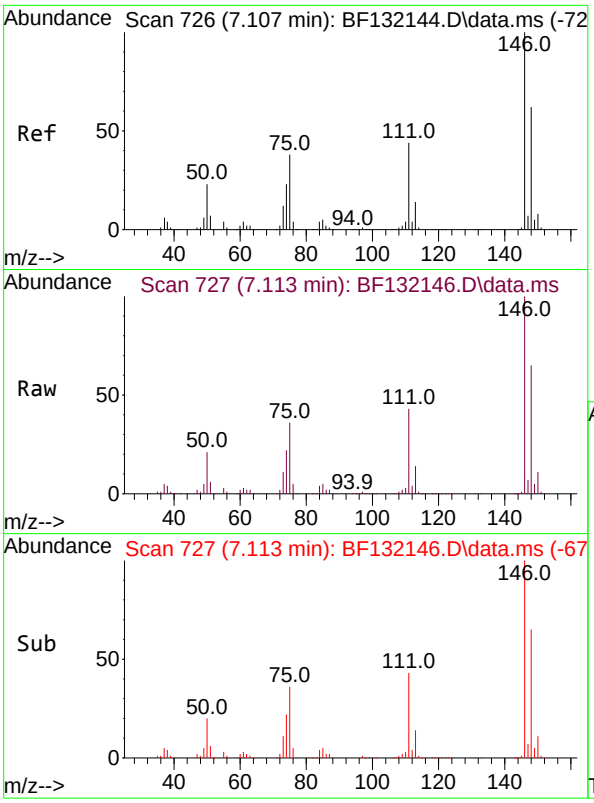


#12
1,3-Dichlorobenzene
Concen: 56.582 ng
RT: 7.037 min Scan# 714
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:146 Resp: 624541

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.0	75.0
75	35.1	28.8	43.2

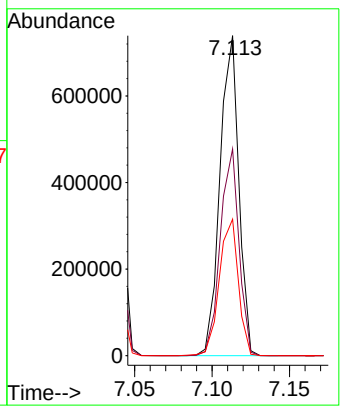




#13
1,4-Dichlorobenzene
Concen: 56.608 ng
RT: 7.113 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:146 Resp: 62347

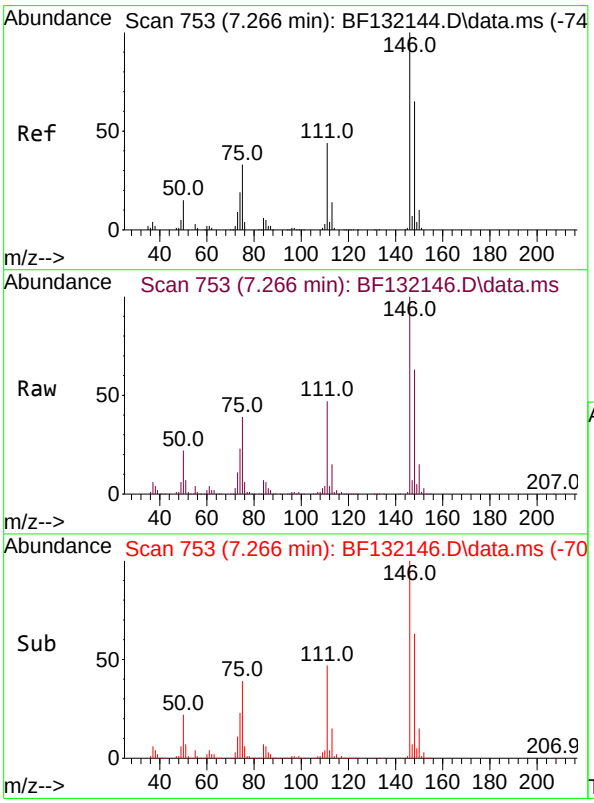
Ion	Ratio	Lower	Upper
146	100		
148	64.6	49.9	74.9
111	42.6	35.2	52.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

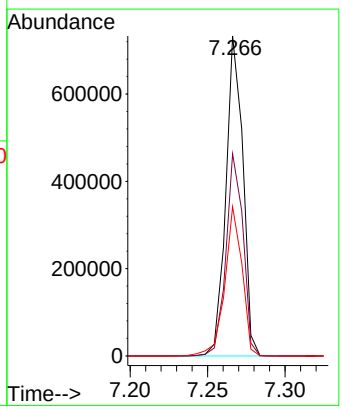
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

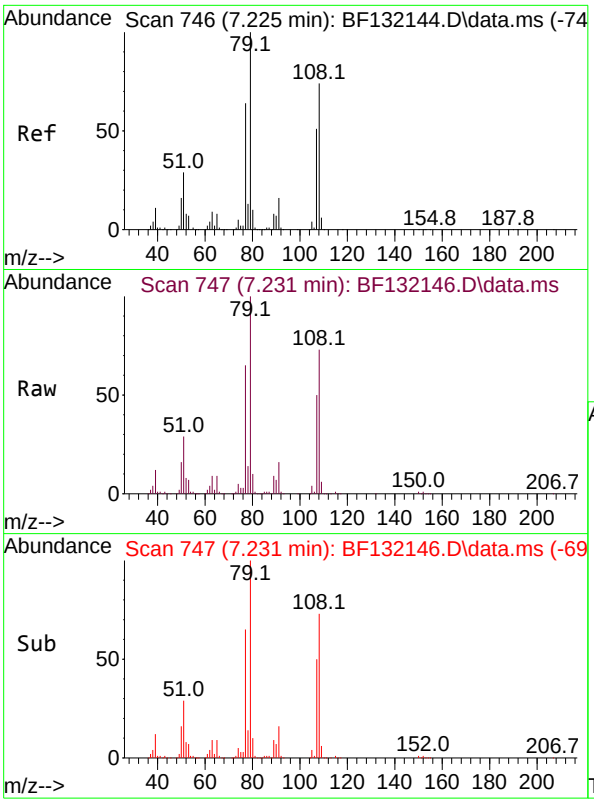


#14
1,2-Dichlorobenzene
Concen: 54.840 ng
RT: 7.266 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:146 Resp: 558505

Ion	Ratio	Lower	Upper
146	100		
148	63.2	52.0	78.0
111	46.6	35.4	53.2





#15
Benzyl Alcohol
Concen: 59.323 ng m
RT: 7.231 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

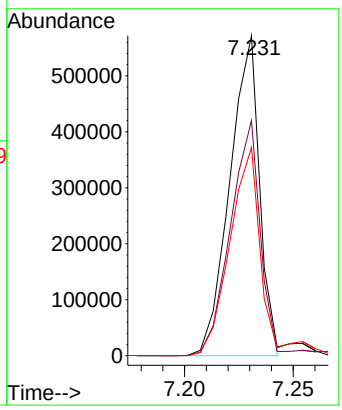
Tgt Ion: 79 Resp: 54390

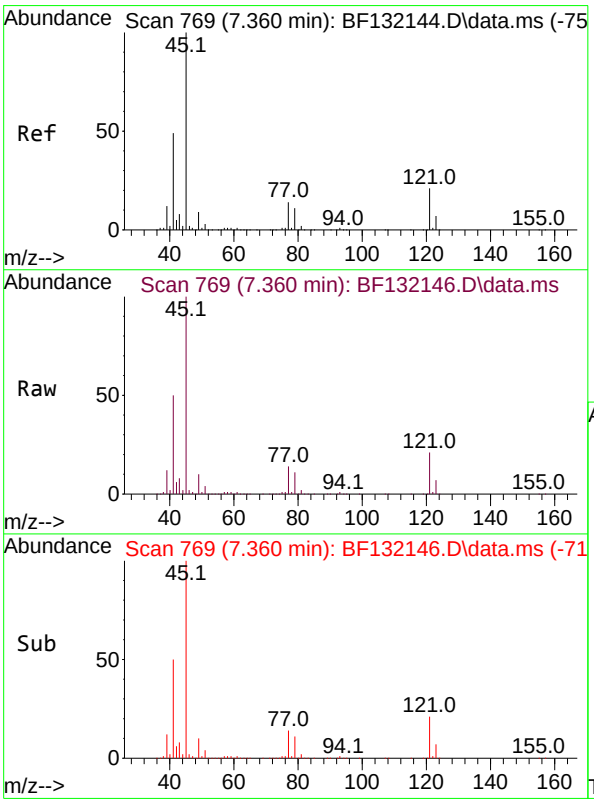
Ion	Ratio	Lower	Upper
79	100		
108	73.5	58.9	88.3
77	65.0	51.1	76.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

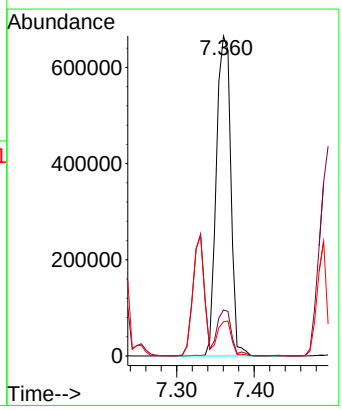


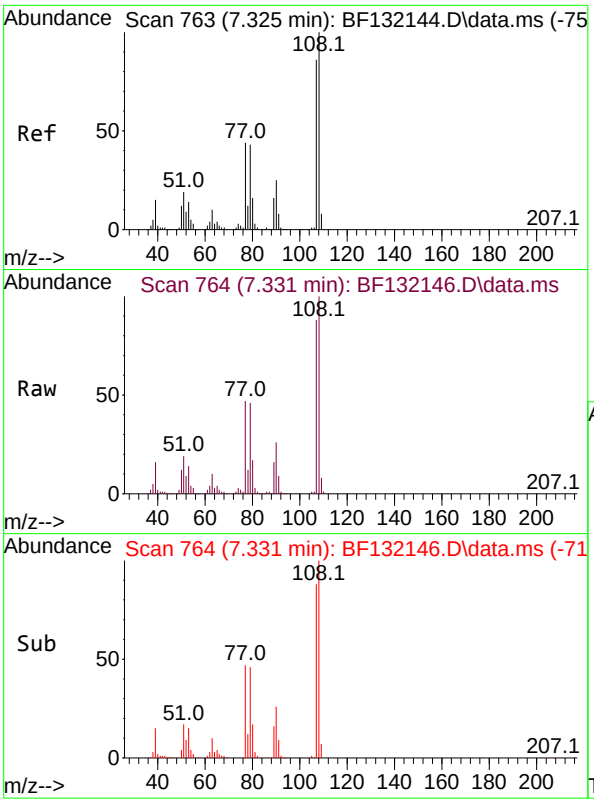


#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.657 ng
RT: 7.360 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion: 45 Resp: 858154

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	34.3
79	10.7	0.0	30.9

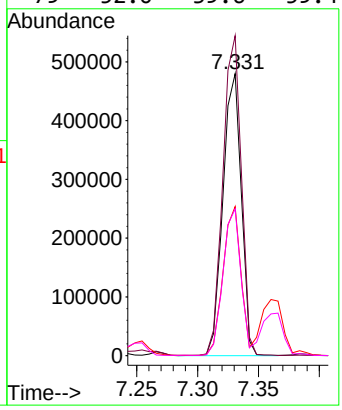




#17
2-Methylphenol
Concen: 58.018 ng
RT: 7.331 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:107 Resp: 50188

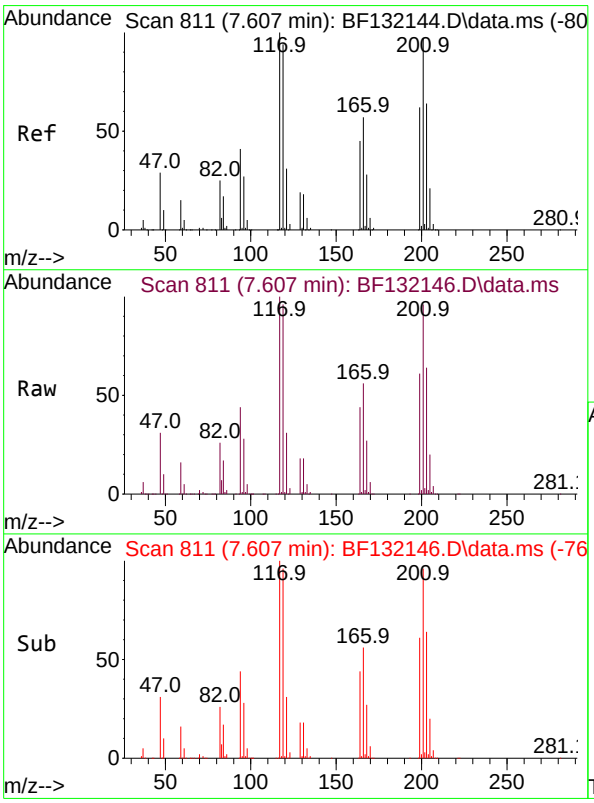
Ion	Ratio	Lower	Upper
107	100		
108	113.4	92.8	139.2
77	52.9	41.1	61.7
79	52.0	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

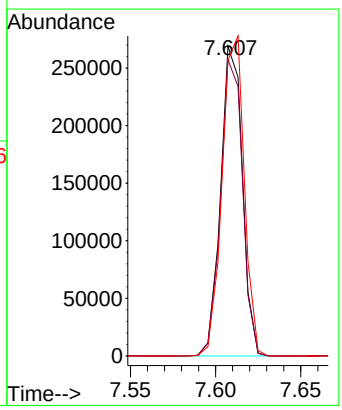
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

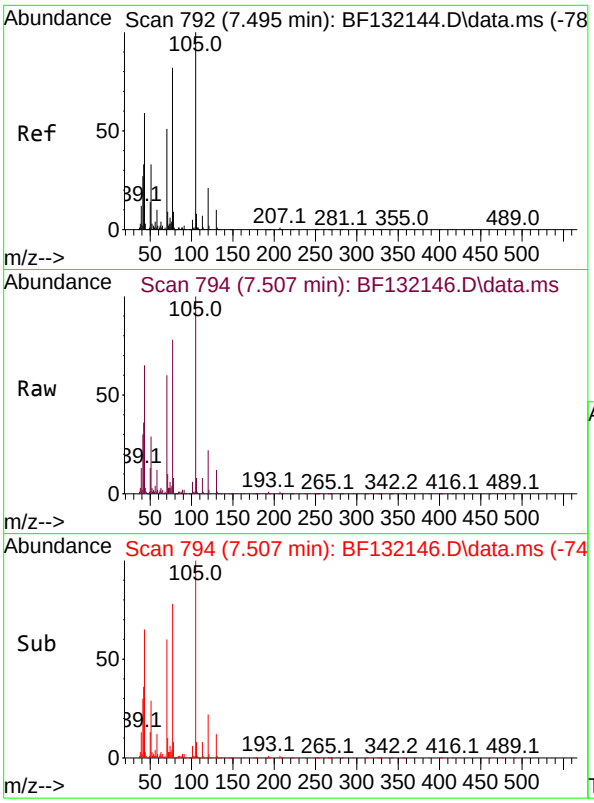


#18
Hexachloroethane
Concen: 60.417 ng
RT: 7.607 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:117 Resp: 238869

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.4	113.0
201	95.6	77.9	116.9

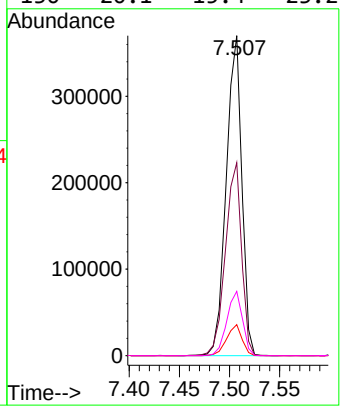




#19
n-Nitroso-di-n-propylamine
Concen: 55.324 ng
RT: 7.507 min Scan# 79
Delta R.T. 0.012 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion: 70 Resp: 40073

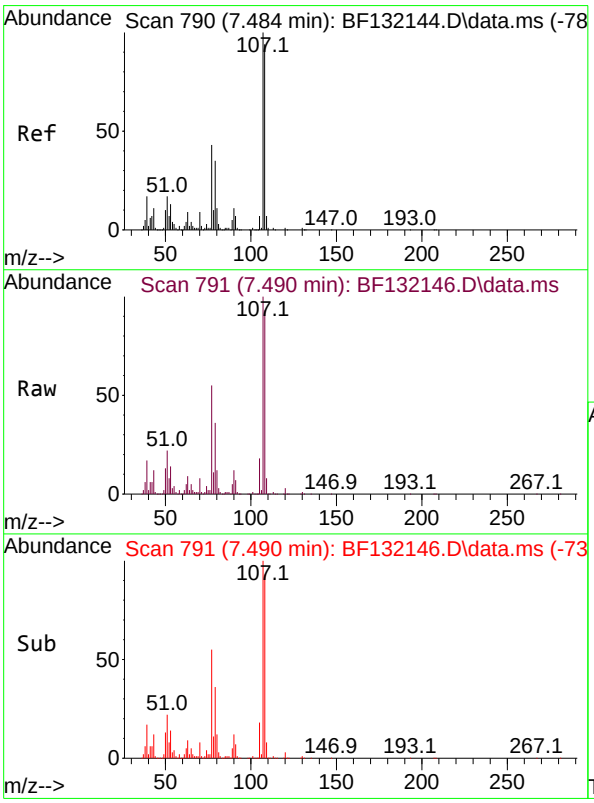
Ion	Ratio	Lower	Upper
70	100		
42	60.3	51.0	76.4
101	9.7	7.3	10.9
130	20.1	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

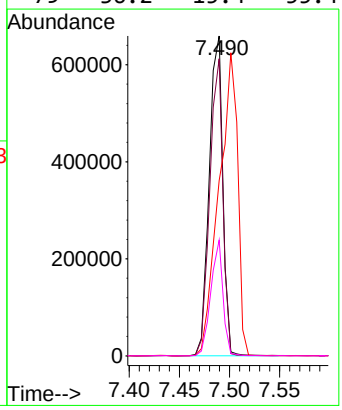
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

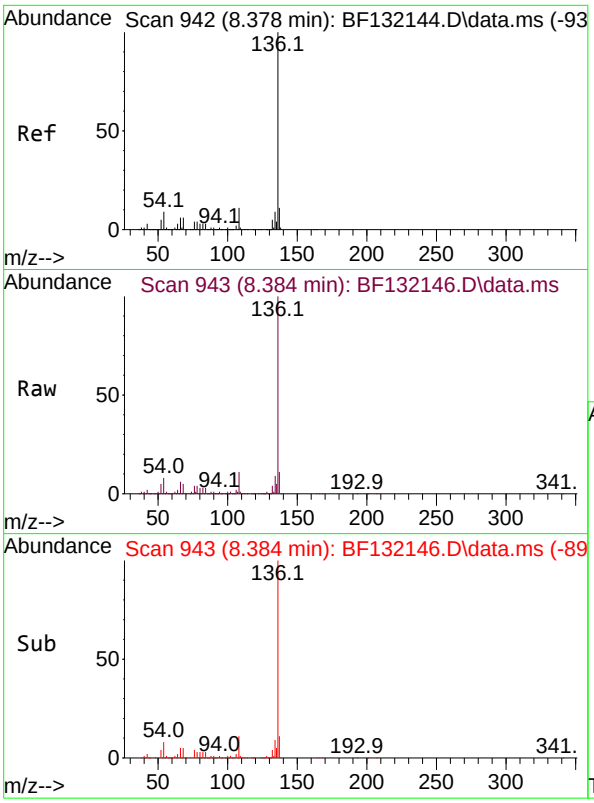


#20
3+4-Methylphenols
Concen: 56.813 ng
RT: 7.490 min Scan# 791
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:107 Resp: 619283

Ion	Ratio	Lower	Upper
107	100		
108	92.9	73.8	113.8
77	54.8	22.8	62.8
79	36.2	15.4	55.4

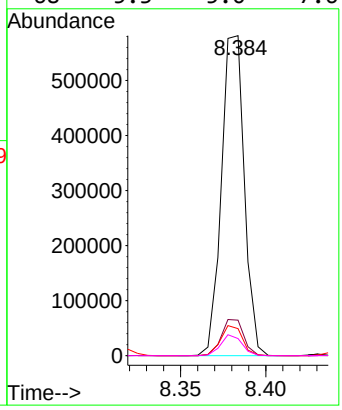




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.384 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:136 Resp: 543258

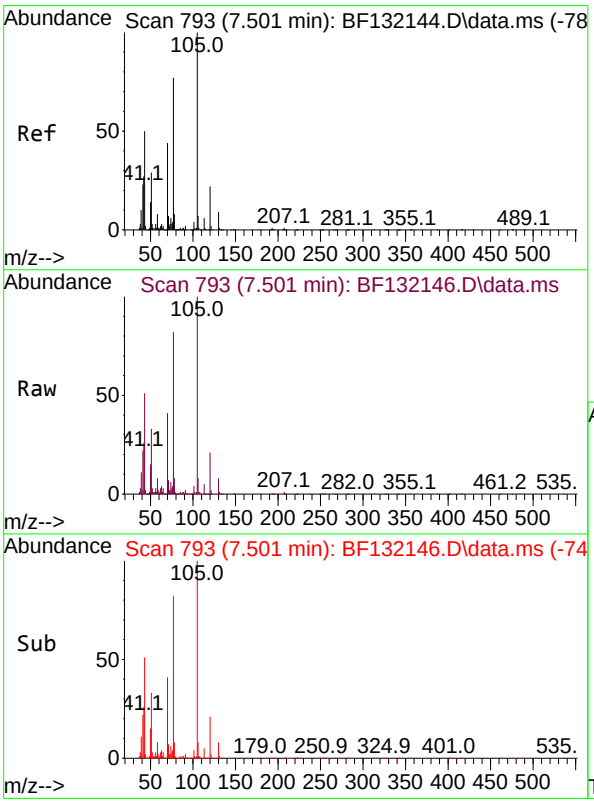
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.4	7.0	10.6
68	5.3	5.0	7.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

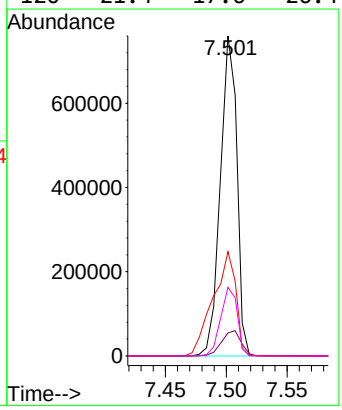
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

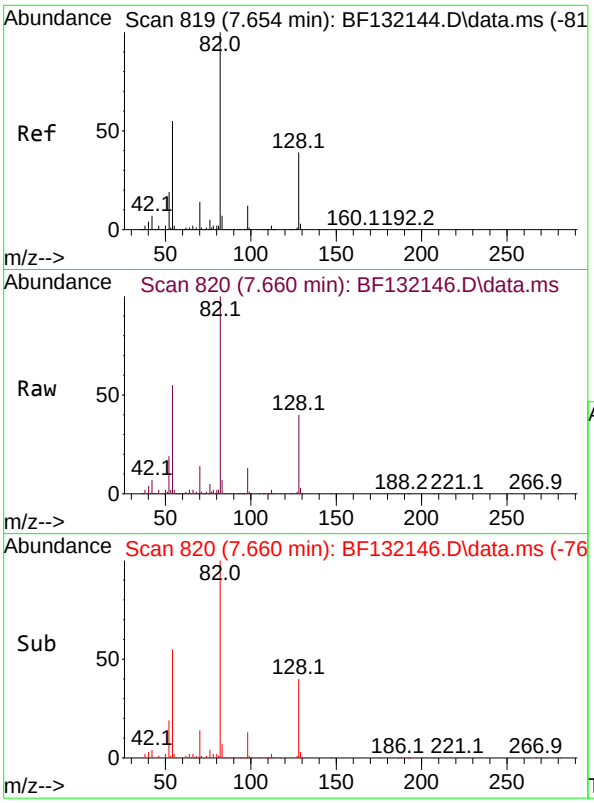


#22
Acetophenone
Concen: 55.124 ng
RT: 7.501 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:105 Resp: 719773

Ion	Ratio	Lower	Upper
105	100		
71	7.2	5.8	8.6
51	32.6	23.0	34.6
120	21.4	17.6	26.4

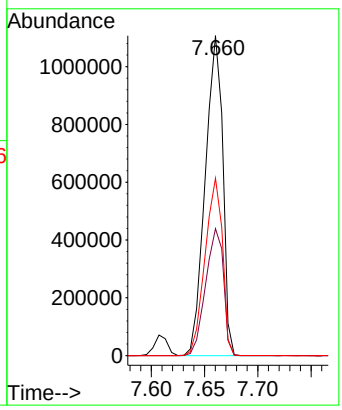




#23
Nitrobenzene-d5
Concen: 123.599 ng
RT: 7.660 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion: 82 Resp: 126397

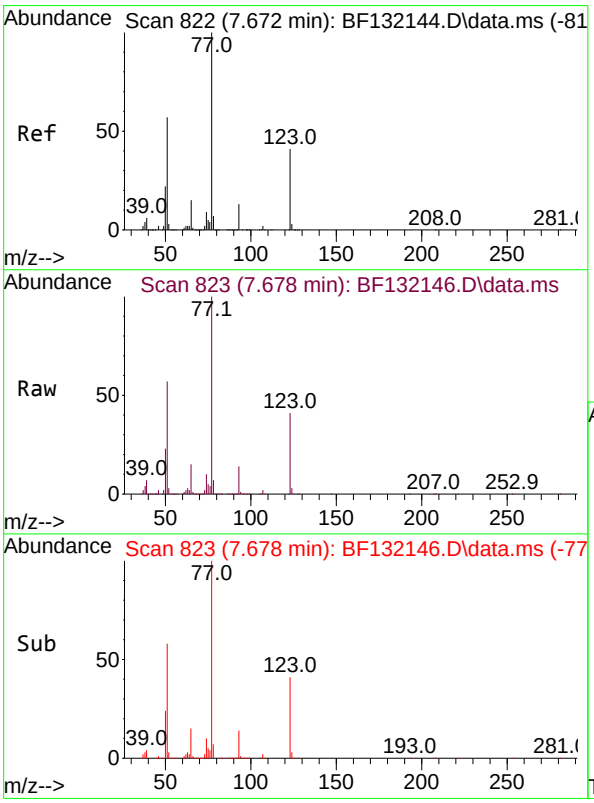
Ion	Ratio	Lower	Upper
82	100		
128	39.7	31.1	46.7
54	55.4	43.9	65.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

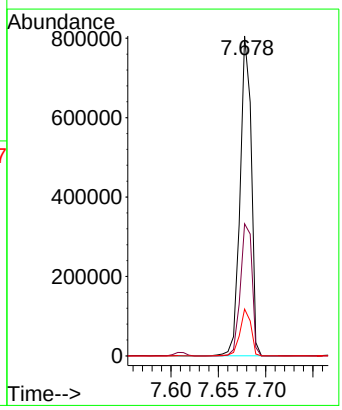
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

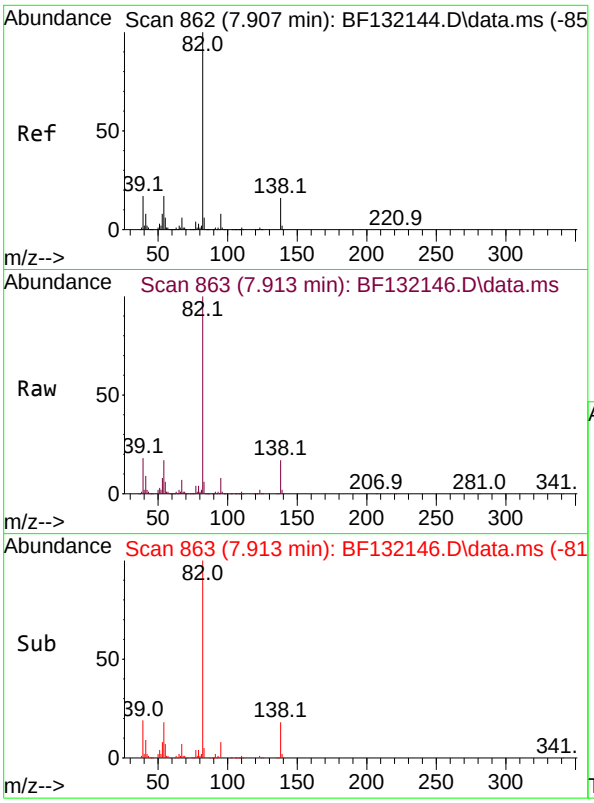


#24
Nitrobenzene
Concen: 61.107 ng
RT: 7.678 min Scan# 823
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion: 77 Resp: 661651

Ion	Ratio	Lower	Upper
77	100		
123	41.3	33.1	49.7
65	14.6	11.7	17.5

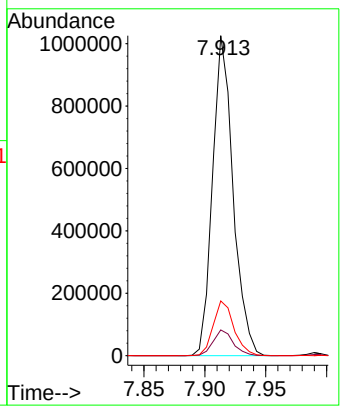




#25
Isophorone
Concen: 60.189 ng
RT: 7.913 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion: 82 Resp: 120434

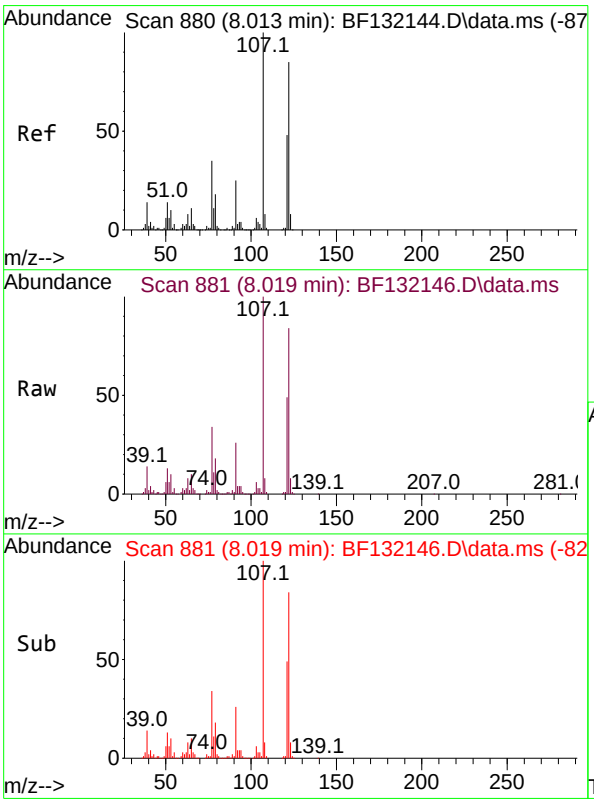
Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.2	9.2
138	17.1	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

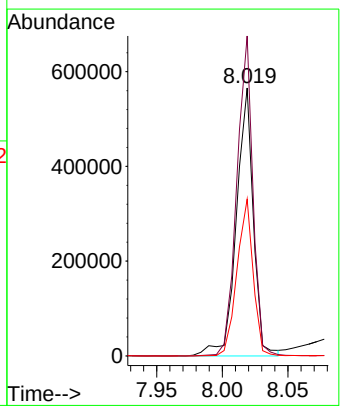
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

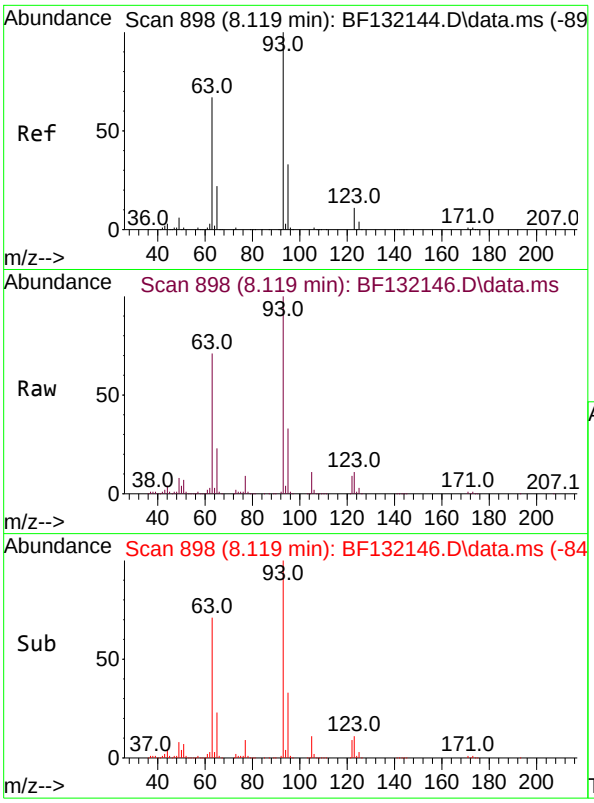


#27
2,4-Dimethylphenol
Concen: 58.866 ng
RT: 8.019 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:122 Resp: 509668

Ion	Ratio	Lower	Upper
122	100		
107	119.4	94.2	141.4
121	58.5	45.6	68.4

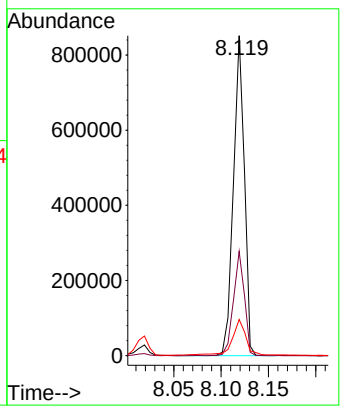




#28
bis(2-Chloroethoxy)methane
Concen: 57.094 ng
RT: 8.119 min Scan# 89
Delta R.T. -0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion: 93 Resp: 685428

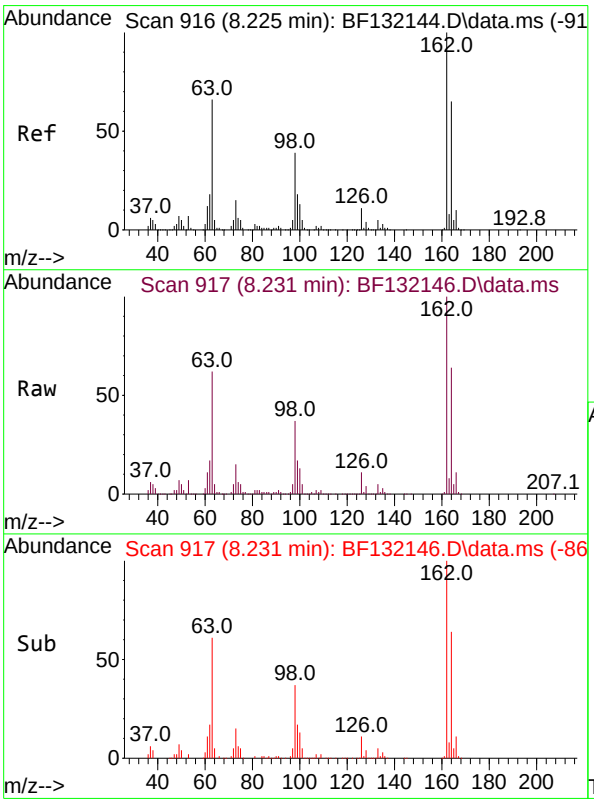
Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	11.3	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

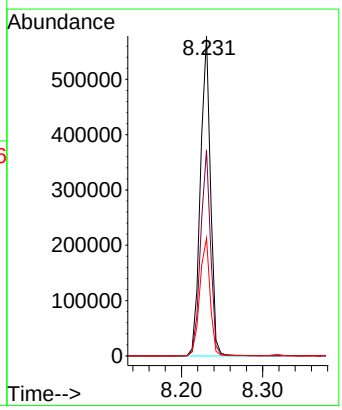
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

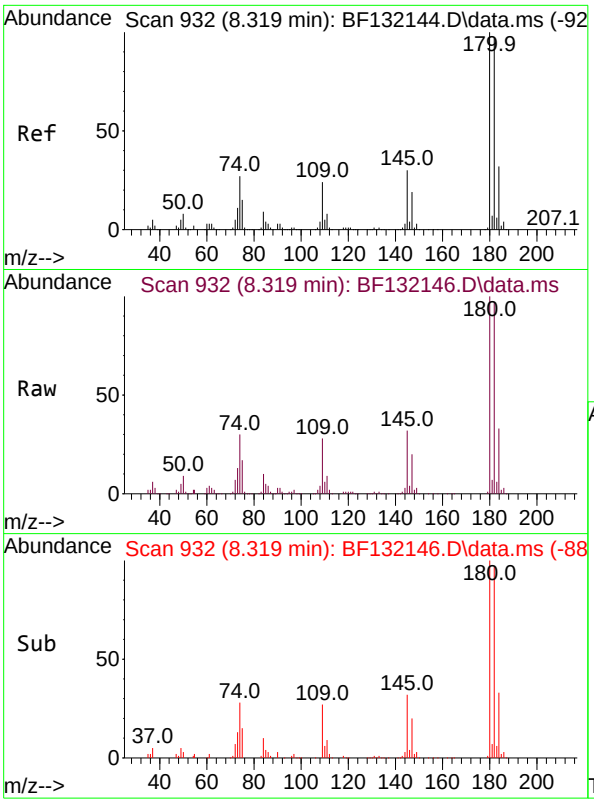


#29
2,4-Dichlorophenol
Concen: 60.545 ng
RT: 8.231 min Scan# 917
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:162 Resp: 497669

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.7	84.7
98	36.8	18.8	58.8





#30
1,2,4-Trichlorobenzene
Concen: 57.190 ng
RT: 8.319 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

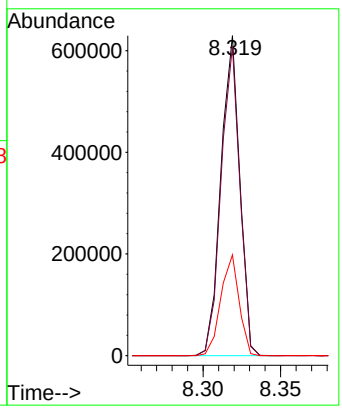
Tgt Ion:180 Resp: 53394

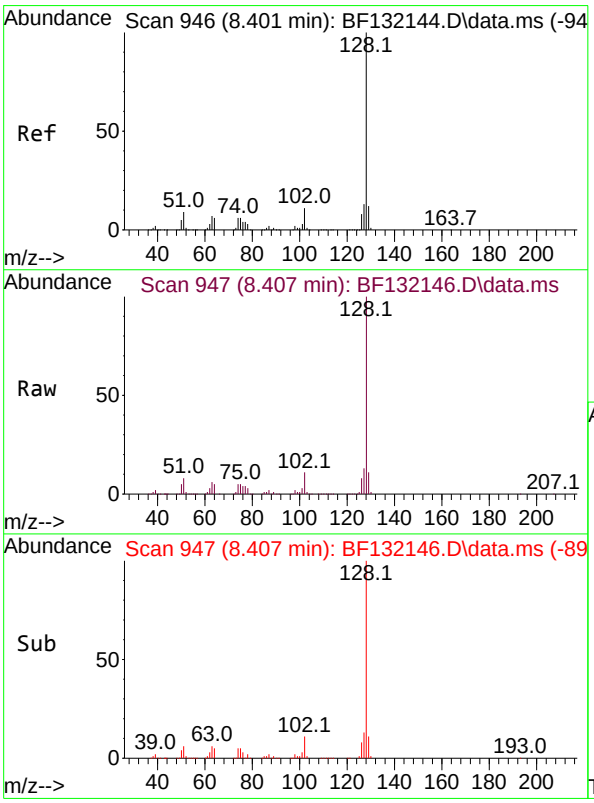
Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.0
145	31.5	23.8	35.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

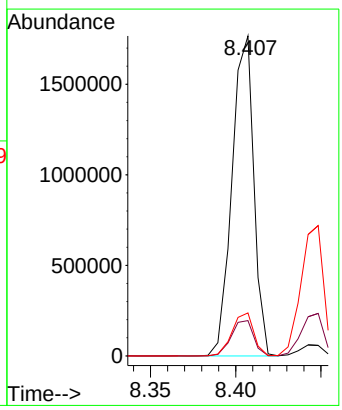


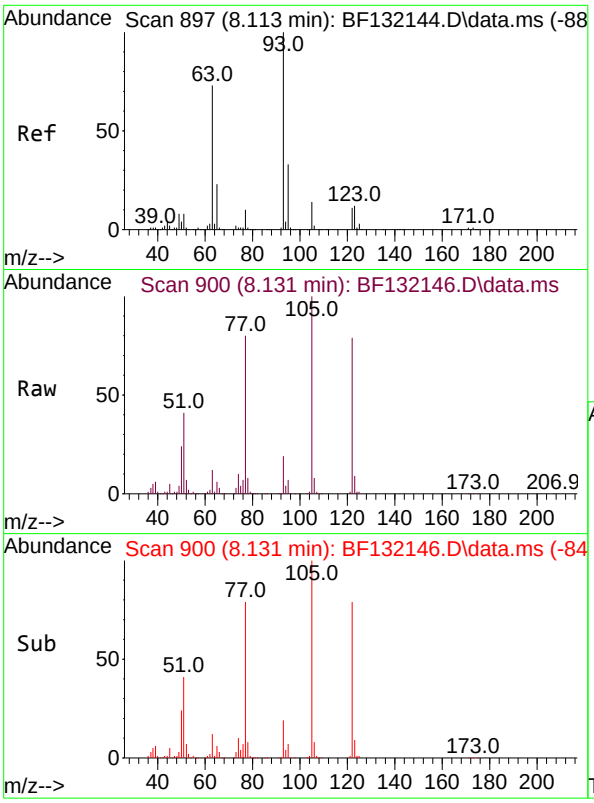


#31
Naphthalene
Concen: 56.391 ng
RT: 8.407 min Scan# 947
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:128 Resp: 1573333

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.3	13.9
127	13.4	10.6	15.8

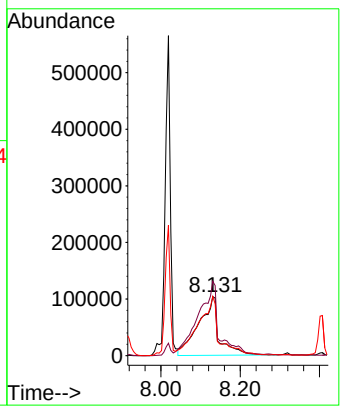




#32
Benzoic acid
Concen: 73.214 ng
RT: 8.131 min Scan# 90
Delta R.T. 0.018 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:122 Resp: 37211

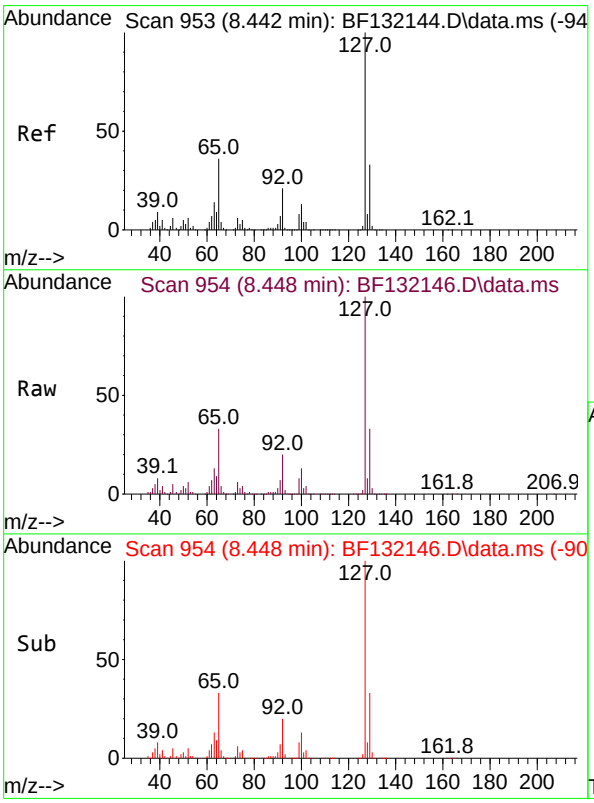
Ion	Ratio	Lower	Upper
122	100		
105	126.0	96.8	136.8
77	100.2	72.5	112.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

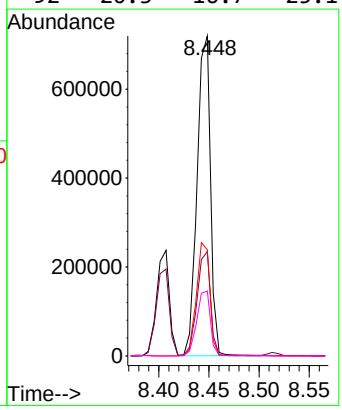
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

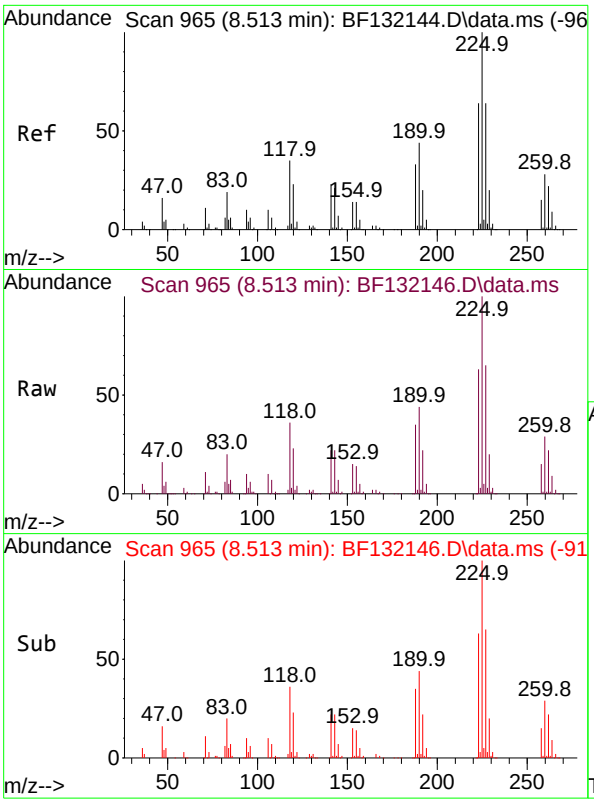


#33
4-Chloroaniline
Concen: 55.981 ng
RT: 8.448 min Scan# 954
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:127 Resp: 668392

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	33.2	28.4	42.6
92	20.3	16.7	25.1

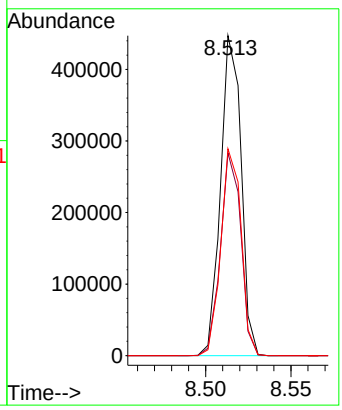




#34
Hexachlorobutadiene
Concen: 59.639 ng
RT: 8.513 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:225 Resp: 37404

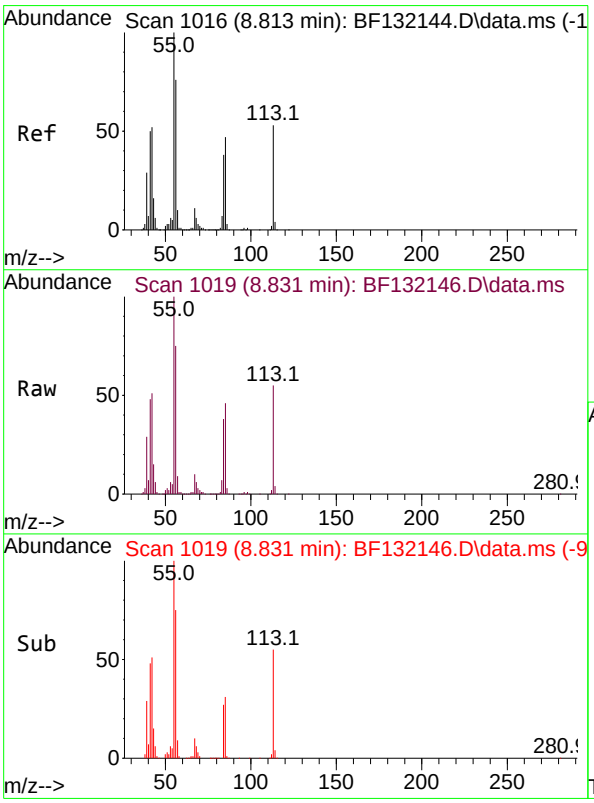
Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.9	76.3
227	64.6	50.8	76.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

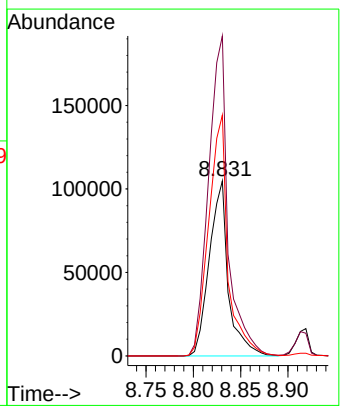
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

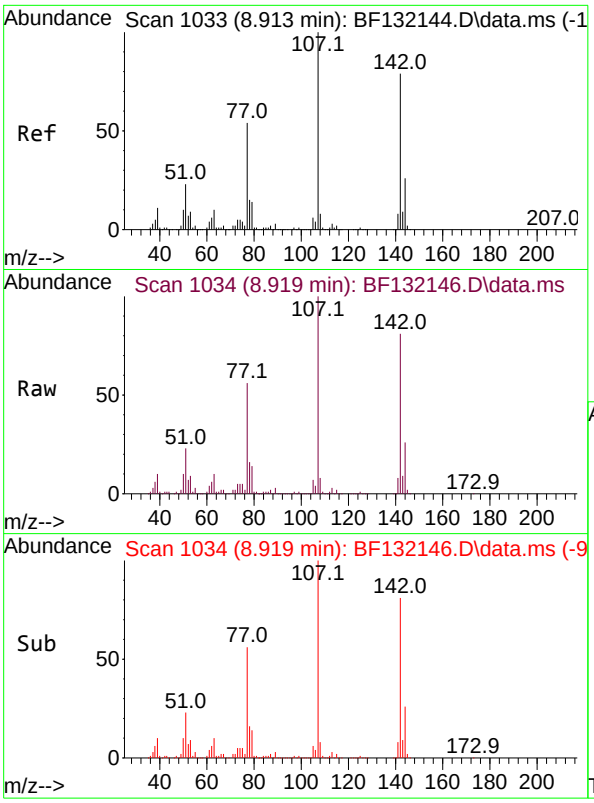


#35
Caprolactam
Concen: 63.124 ng
RT: 8.831 min Scan# 1019
Delta R.T. 0.018 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:113 Resp: 146867

Ion	Ratio	Lower	Upper
113	100		
55	182.8	167.5	207.5
56	137.6	122.0	162.0





#36
4-Chloro-3-methylphenol
Concen: 59.496 ng
RT: 8.919 min Scan# 10
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

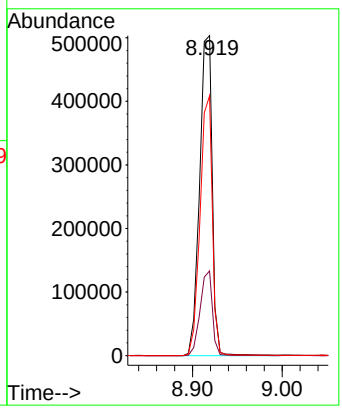
Tgt Ion:107 Resp: 49214

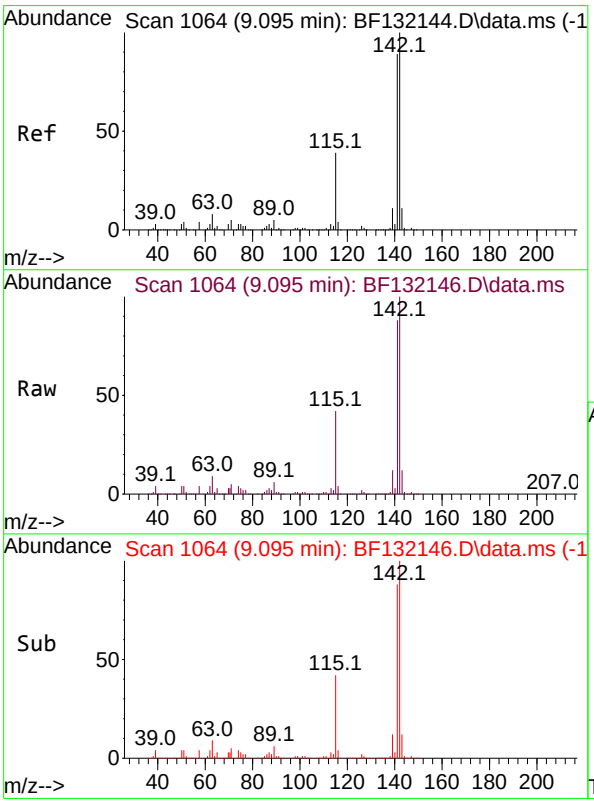
Ion	Ratio	Lower	Upper
107	100		
144	26.5	21.0	31.4
142	81.2	63.6	95.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

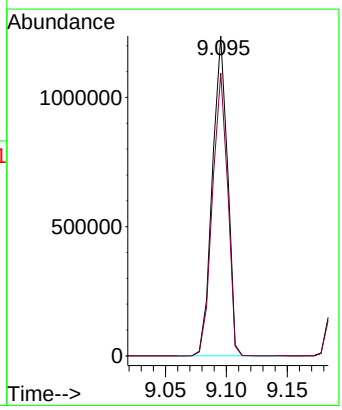


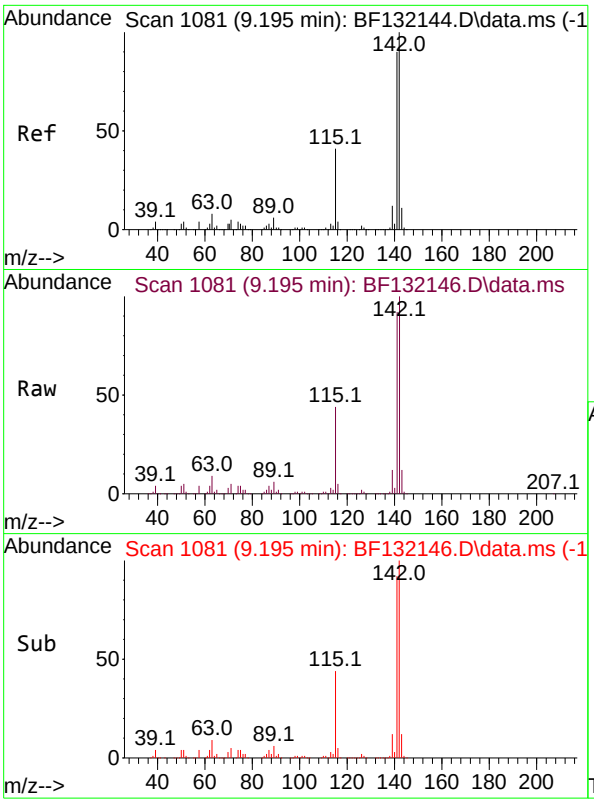


#37
2-Methylnaphthalene
Concen: 55.550 ng
RT: 9.095 min Scan# 1064
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:142 Resp: 1067083

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.1	106.7

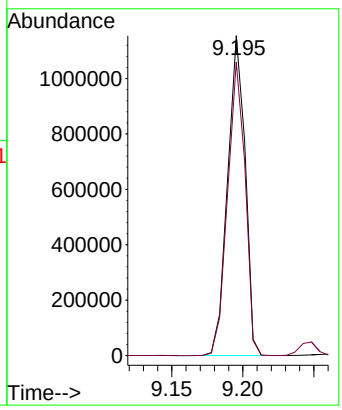




#38
1-Methylnaphthalene
Concen: 55.513 ng
RT: 9.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:142 Resp: 99220

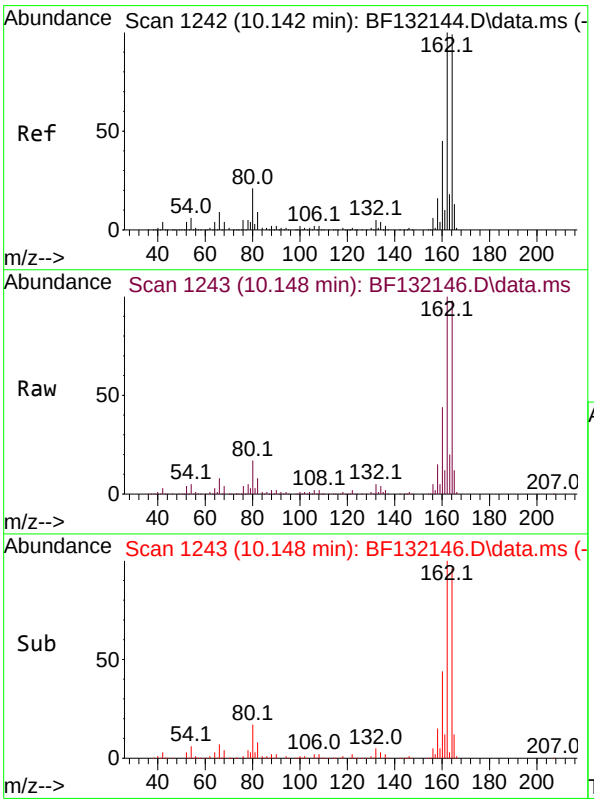
Ion	Ratio	Lower	Upper
142	100		
141	91.8	72.1	108.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

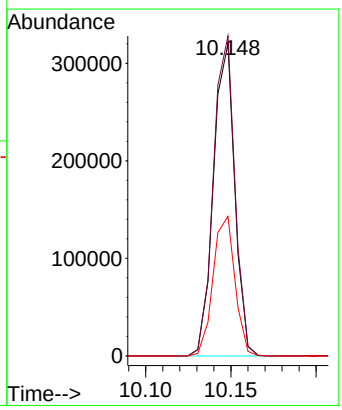
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

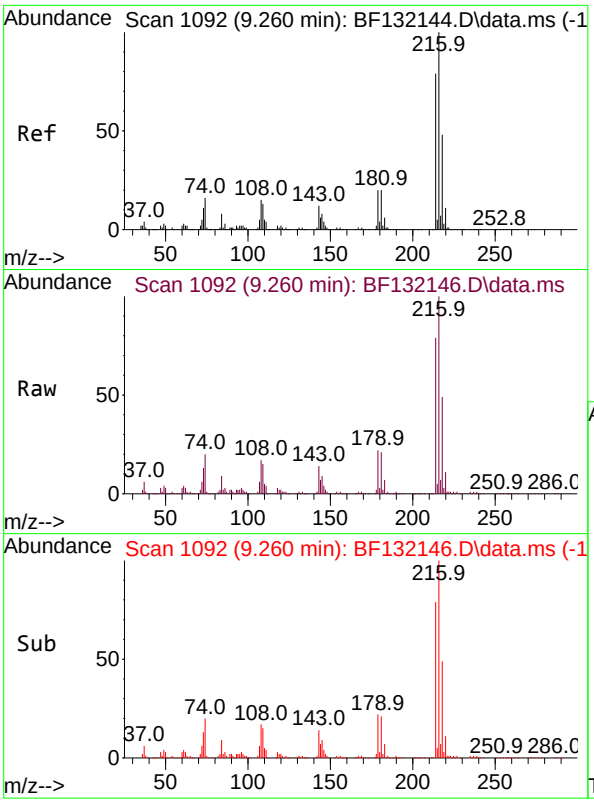


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.148 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:164 Resp: 277026

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.2	121.8
160	44.7	36.9	55.3

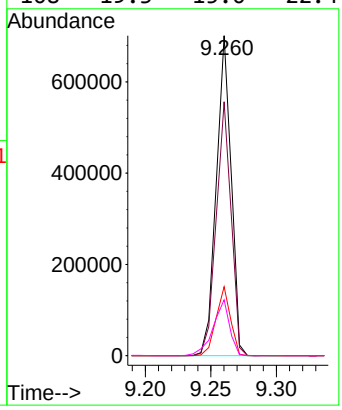




#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.542 ng
RT: 9.260 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:216 Resp: 55462

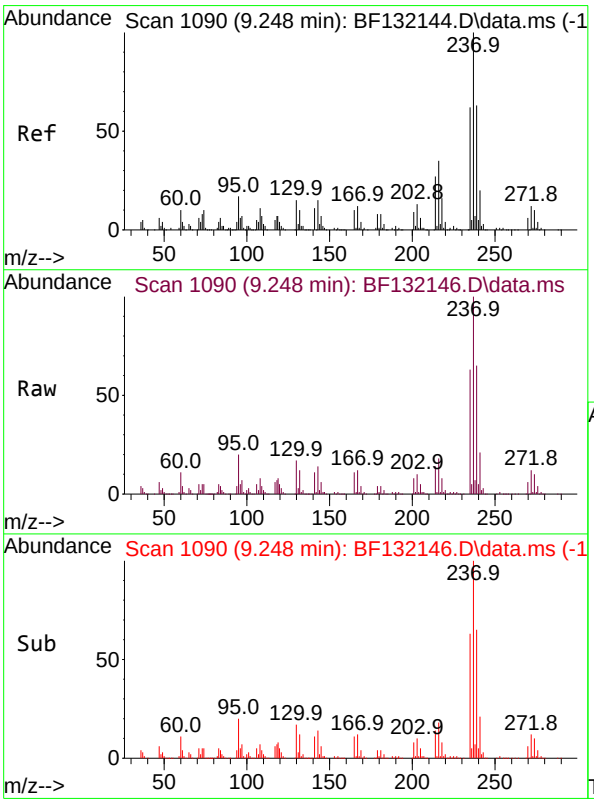
Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.1	94.7
179	20.8	16.6	24.8
108	19.3	15.0	22.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

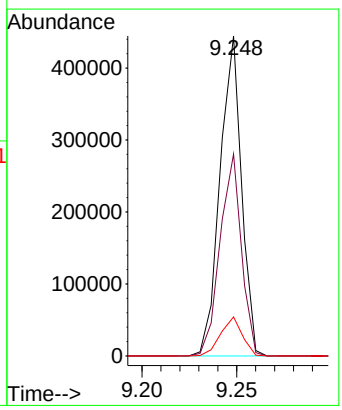
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

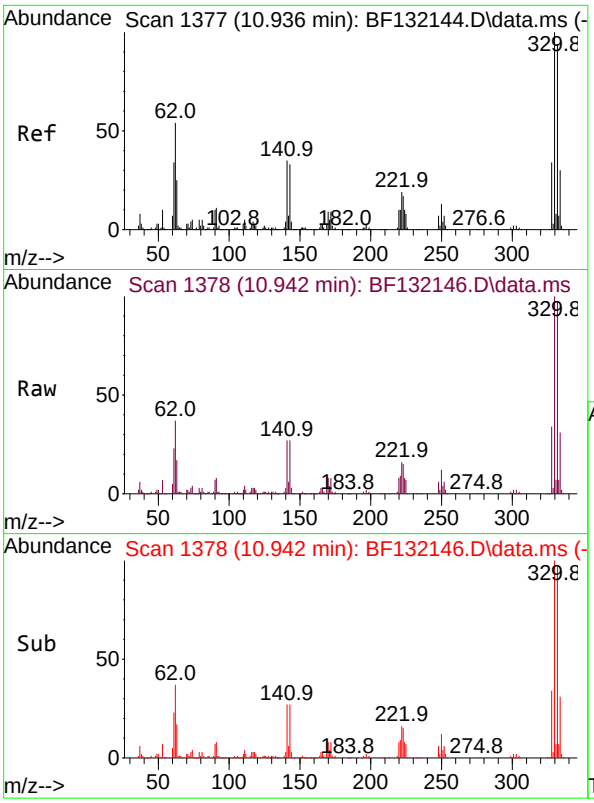


#41
Hexachlorocyclopentadiene
Concen: 66.706 ng
RT: 9.248 min Scan# 1090
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:237 Resp: 350854

Ion	Ratio	Lower	Upper
237	100		
235	63.1	41.7	81.7
272	12.2	0.0	32.3

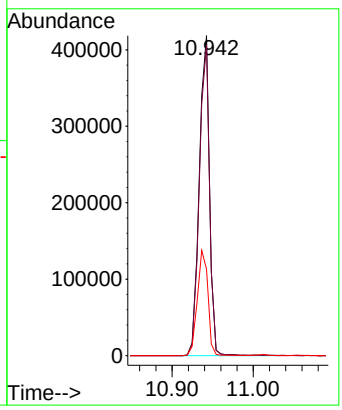




#42
2,4,6-Tribromophenol
Concen: 123.189 ng
RT: 10.942 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:330 Resp: 36452

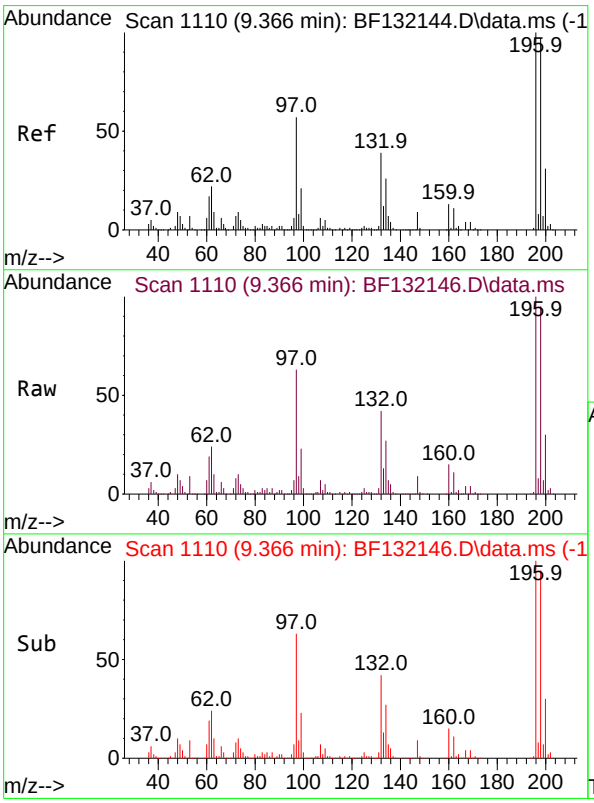
Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.6	113.4
141	33.9	27.1	40.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

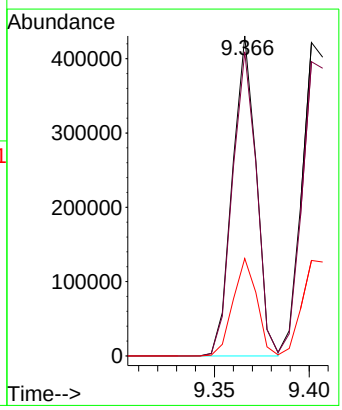
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

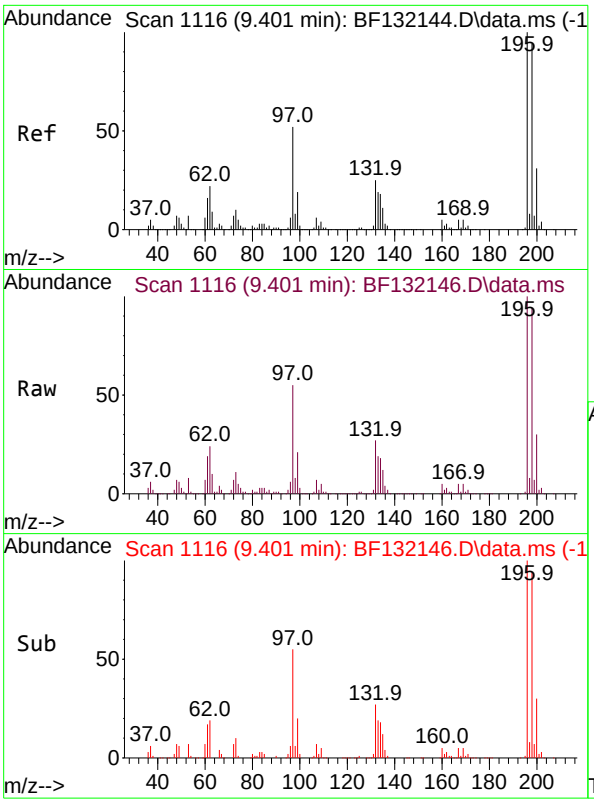


#43
2,4,6-Trichlorophenol
Concen: 62.627 ng
RT: 9.366 min Scan# 1110
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:196 Resp: 374625

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.4	116.2
200	30.4	24.9	37.3

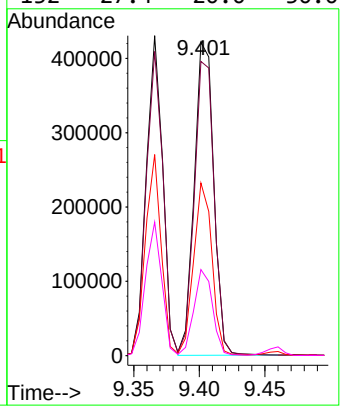




#44
2,4,5-Trichlorophenol
Concen: 62.235 ng
RT: 9.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:196 Resp: 435398

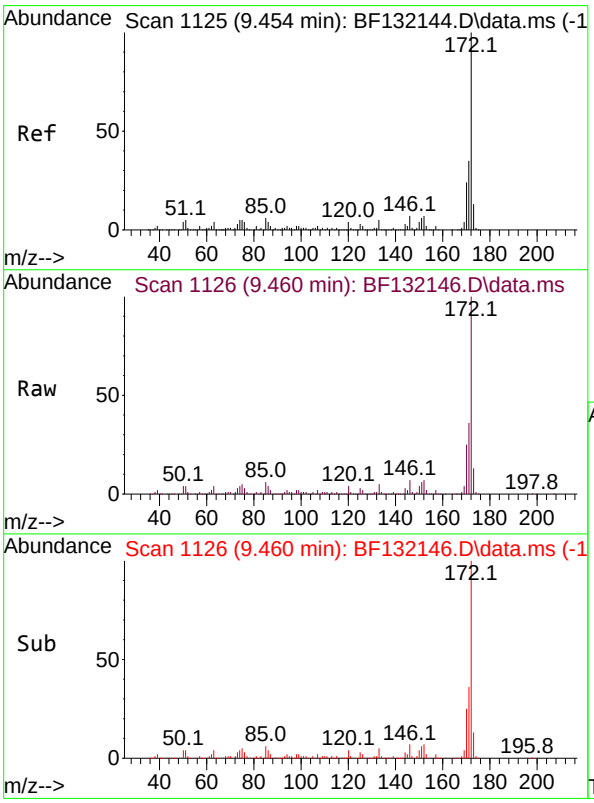
Ion	Ratio	Lower	Upper
196	100		
198	93.9	75.3	112.9
97	55.1	41.3	61.9
132	27.4	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

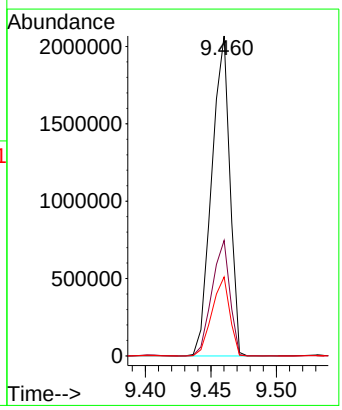
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

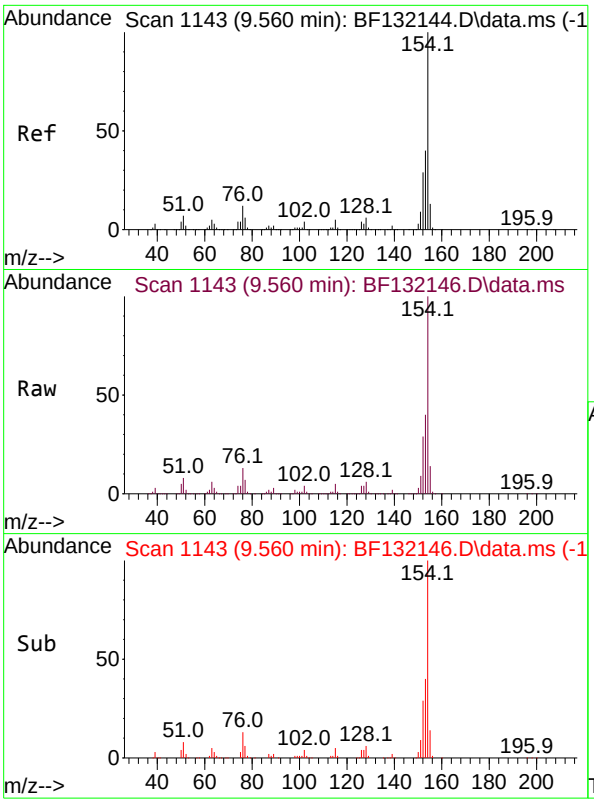


#45
2-Fluorobiphenyl
Concen: 112.362 ng
RT: 9.460 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:172 Resp: 1988942

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.2	42.2
170	24.7	19.6	29.4

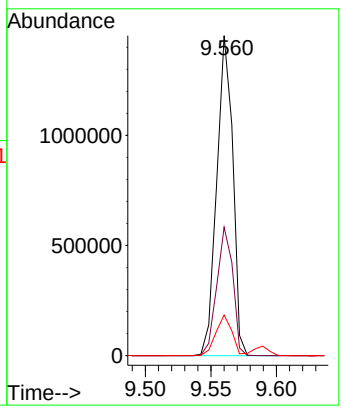




#46
1,1'-Biphenyl
Concen: 56.650 ng
RT: 9.560 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:154 Resp: 123811

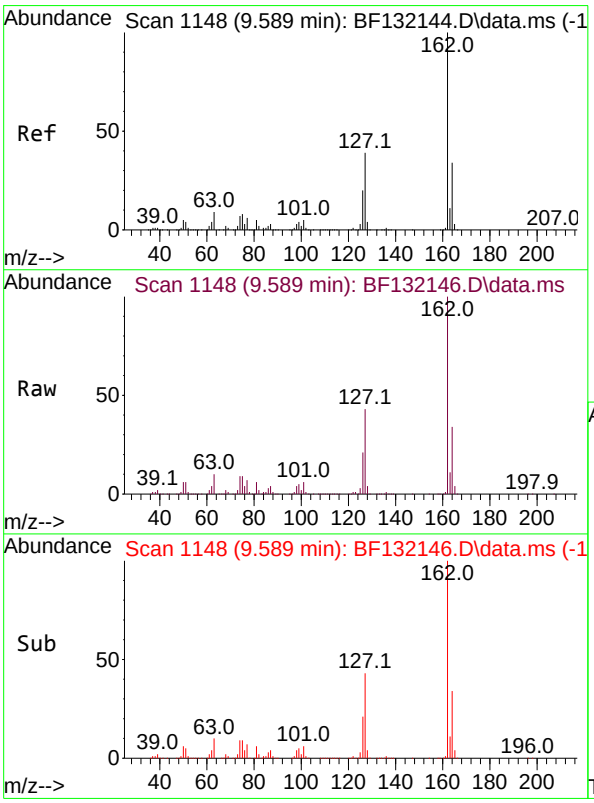
Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.2	60.2
76	12.7	0.0	32.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

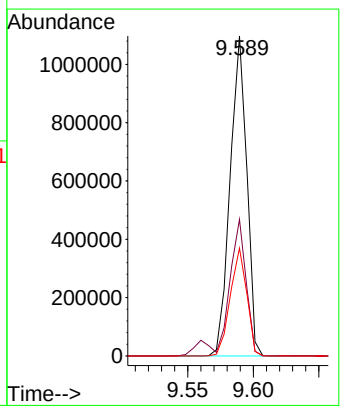
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

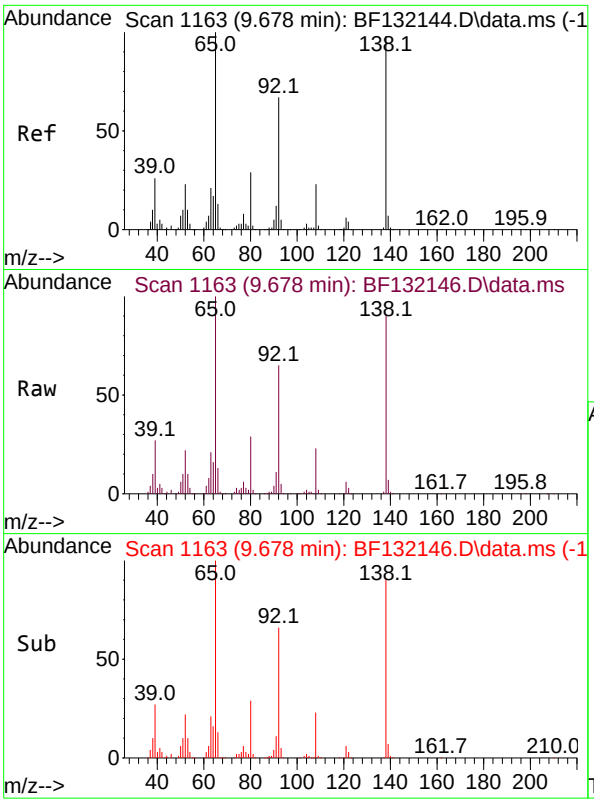


#47
2-Chloronaphthalene
Concen: 57.413 ng
RT: 9.589 min Scan# 1148
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:162 Resp: 969983

Ion	Ratio	Lower	Upper
162	100		
127	42.7	31.1	46.7
164	33.7	26.9	40.3





#48
2-Nitroaniline
Concen: 69.154 ng
RT: 9.678 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

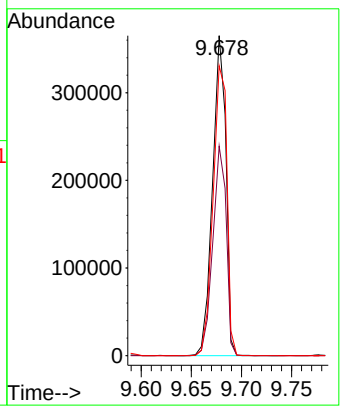
Tgt Ion: 65 Resp: 33639

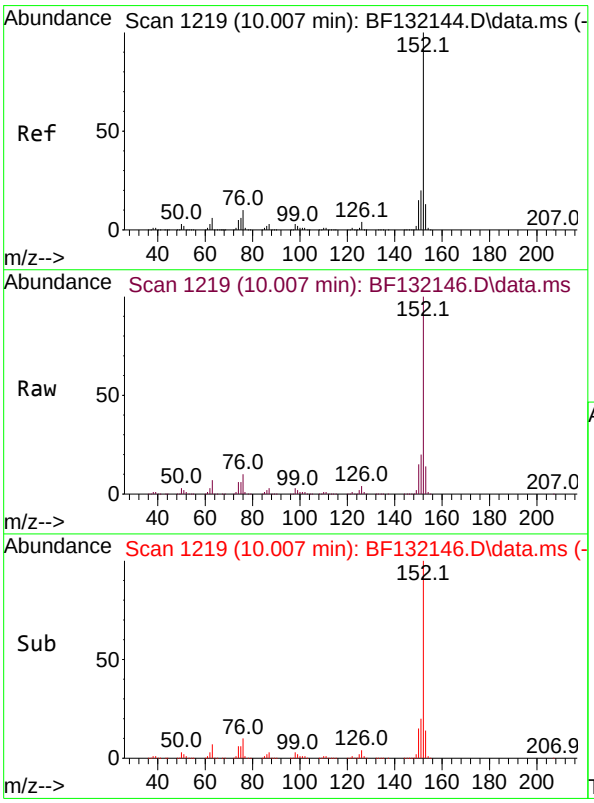
Ion	Ratio	Lower	Upper
65	100		
92	65.5	53.8	80.6
138	90.6	78.7	118.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

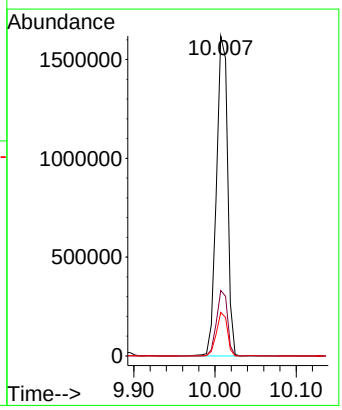


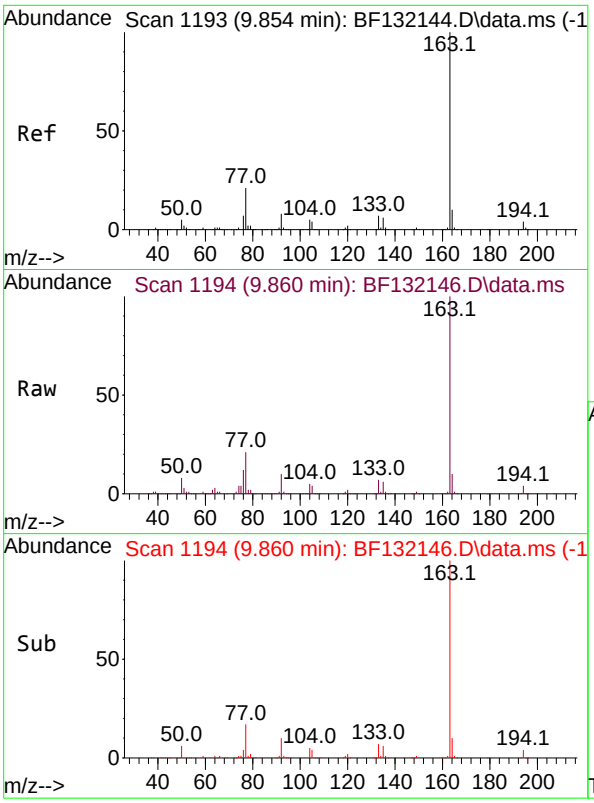


#49
Acenaphthylene
Concen: 56.920 ng
RT: 10.007 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:152 Resp: 1538399

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6
153	13.6	10.6	15.8





#50
Dimethylphthalate
Concen: 57.805 ng
RT: 9.860 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

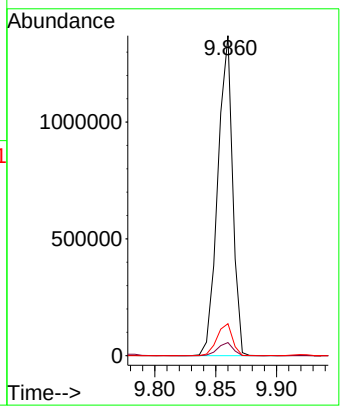
Tgt Ion:163 Resp: 115980

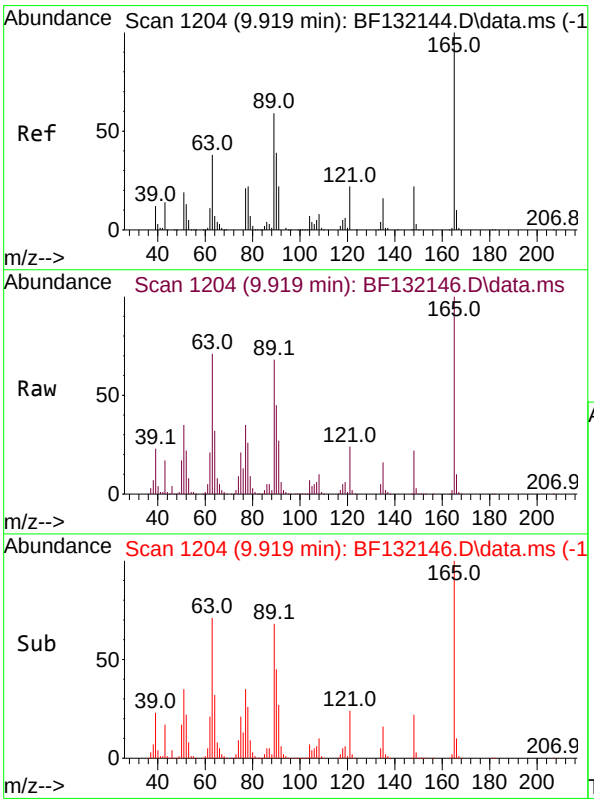
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.0	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

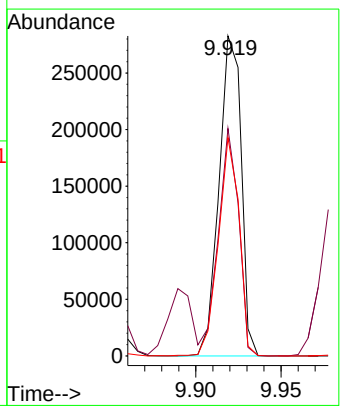


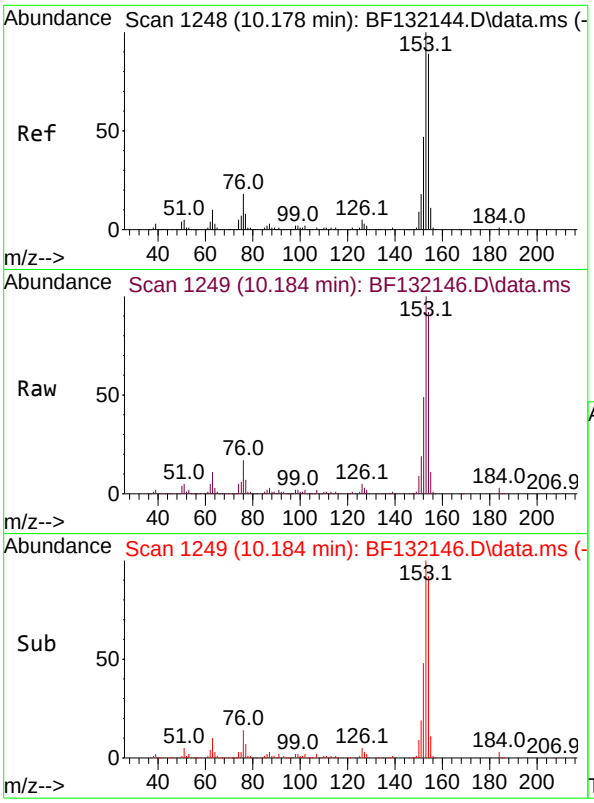


#51
2,6-Dinitrotoluene
Concen: 65.553 ng
RT: 9.919 min Scan# 1204
Delta R.T. -0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:165 Resp: 254927

Ion	Ratio	Lower	Upper
165	100		
63	71.1	46.6	70.0#
89	68.2	47.4	71.2

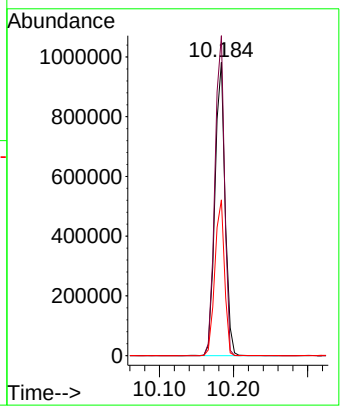




#52
Acenaphthene
Concen: 57.399 ng
RT: 10.184 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:154 Resp: 93312

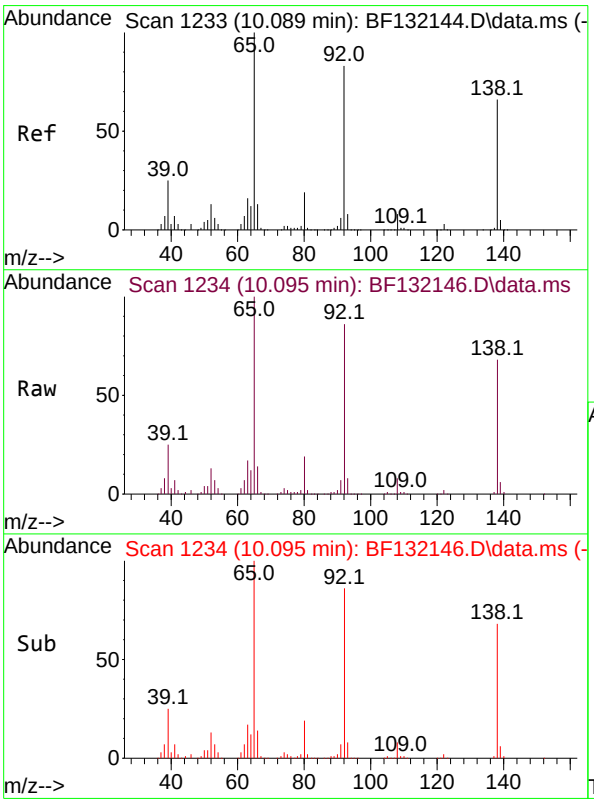
Ion	Ratio	Lower	Upper
154	100		
153	109.1	89.8	134.8
152	53.1	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

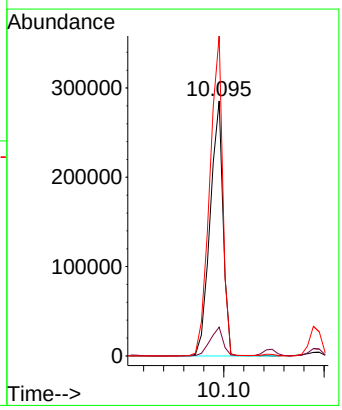
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

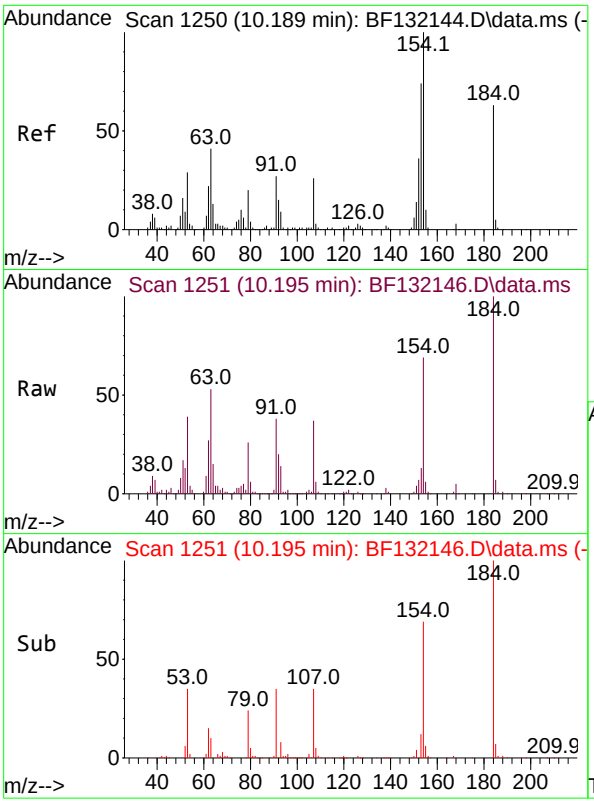


#53
3-Nitroaniline
Concen: 61.295 ng
RT: 10.095 min Scan# 1234
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:138 Resp: 254855

Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.1	13.7
92	125.5	101.2	151.8





#54
2,4-Dinitrophenol
Concen: 69.468 ng
RT: 10.195 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

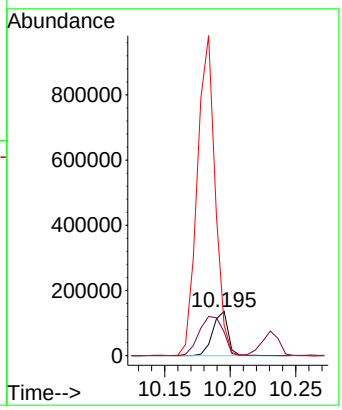
Tgt Ion:184 Resp: 10911

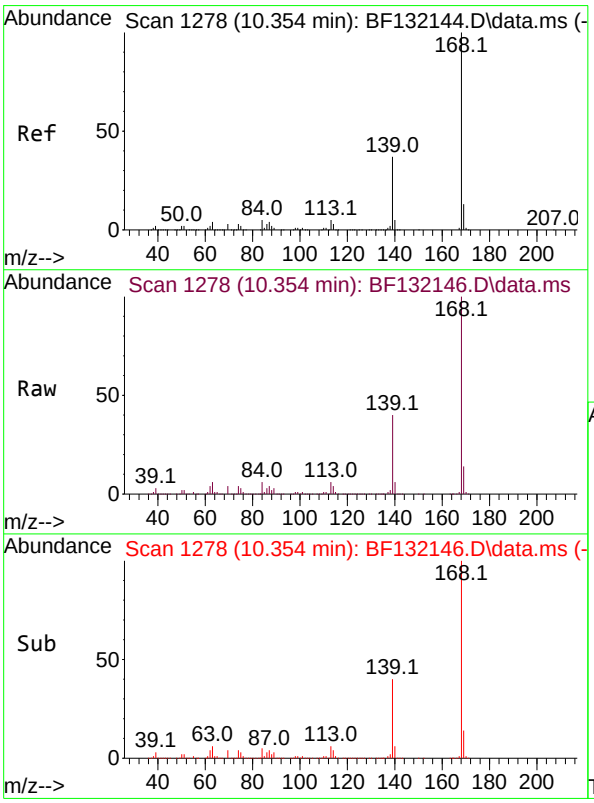
Ion	Ratio	Lower	Upper
184	100		
63	53.5	53.2	79.8
154	68.7	129.4	194.0#

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

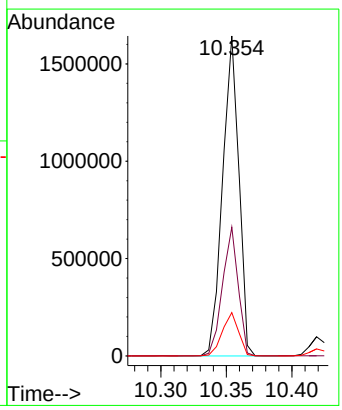


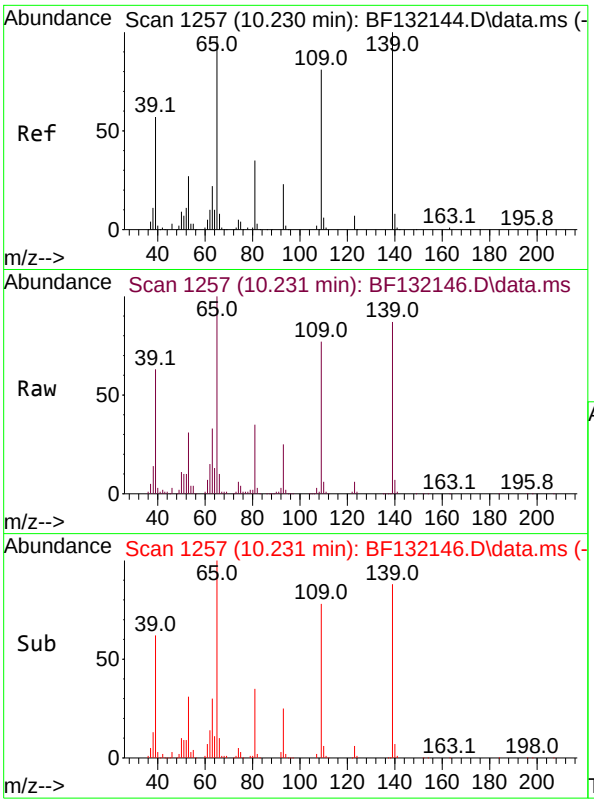


#55
Dibenzofuran
Concen: 56.451 ng
RT: 10.354 min Scan# 1278
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:168 Resp: 1418239

Ion	Ratio	Lower	Upper
168	100		
139	40.2	29.8	44.8
169	13.5	10.3	15.5





#56
4-Nitrophenol
Concen: 65.536 ng
RT: 10.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

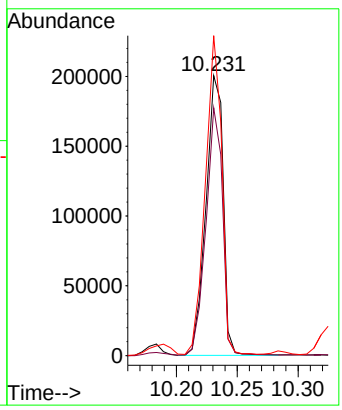
Tgt Ion:139 Resp: 19831

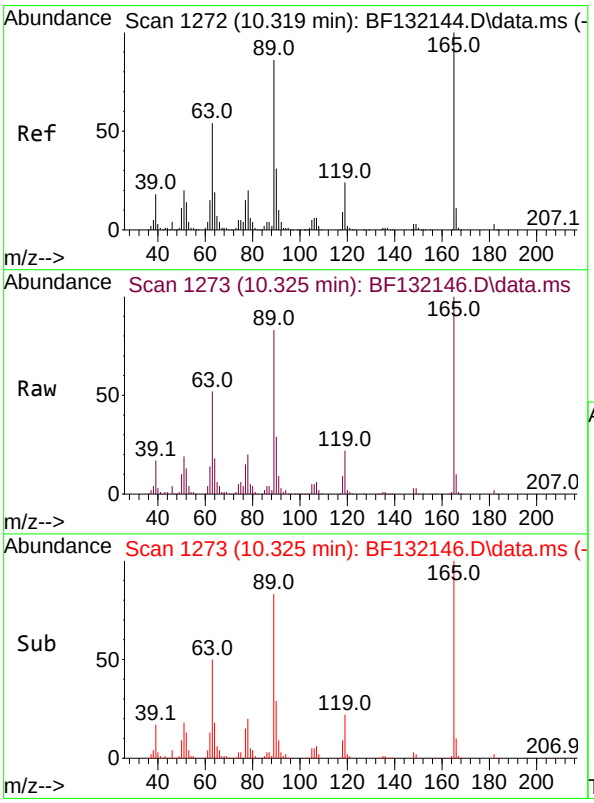
Ion	Ratio	Lower	Upper
139	100		
109	88.5	61.0	101.0
65	114.3	79.3	119.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

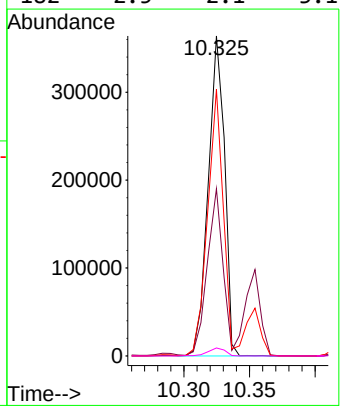


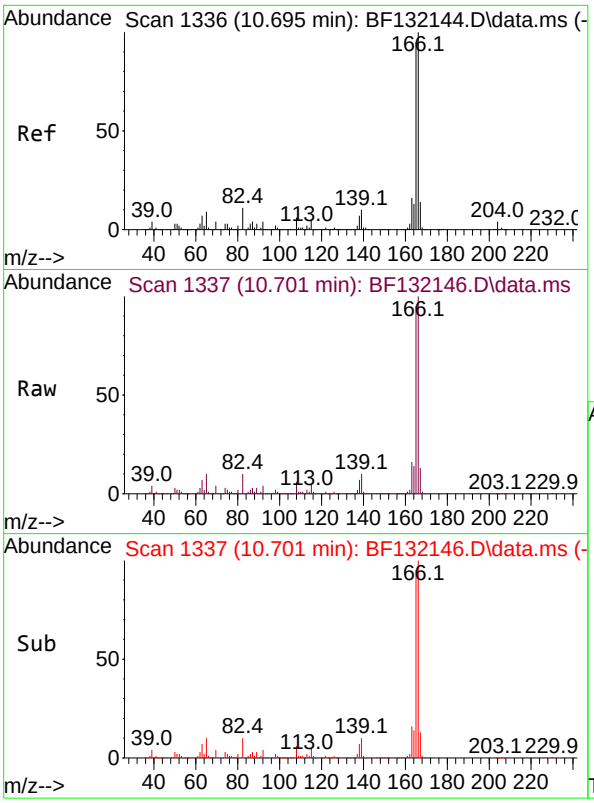


#57
2,4-Dinitrotoluene
Concen: 67.450 ng
RT: 10.325 min Scan# 1273
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:165 Resp: 314857

Ion	Ratio	Lower	Upper
165	100		
63	52.2	43.5	65.3
89	83.3	69.0	103.6
182	2.5	2.1	3.1

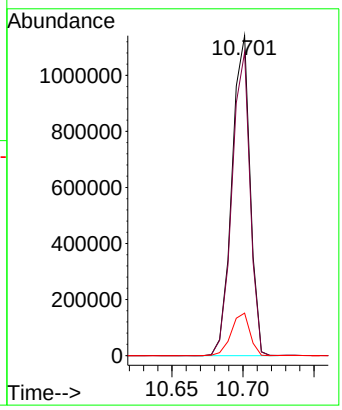




#58
Fluorene
Concen: 54.506 ng
RT: 10.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:166 Resp: 101467

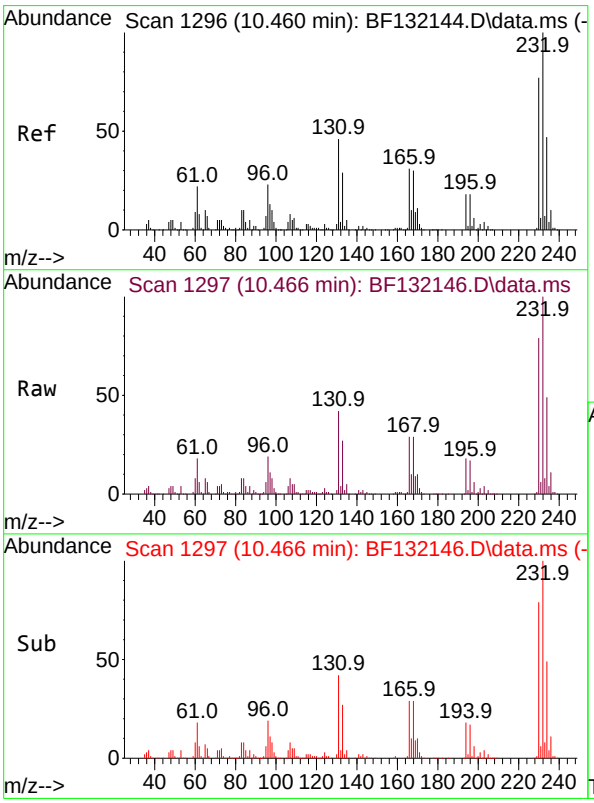
Ion	Ratio	Lower	Upper
166	100		
165	94.8	76.4	114.6
167	13.3	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

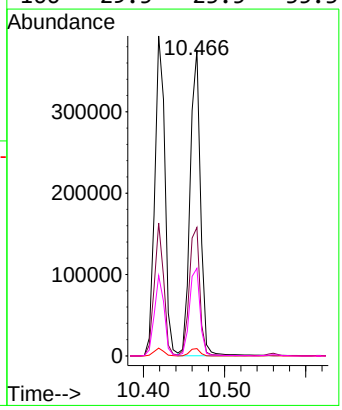
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

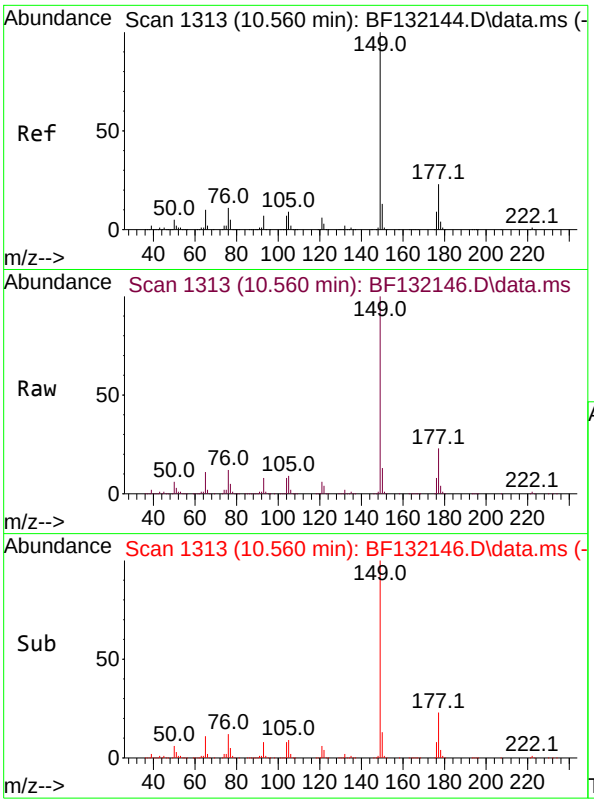


#59
2,3,4,6-Tetrachlorophenol
Concen: 62.381 ng
RT: 10.466 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:232 Resp: 331979

Ion	Ratio	Lower	Upper
232	100		
131	42.9	33.8	50.6
130	2.4	1.9	2.9
166	29.5	23.5	35.3

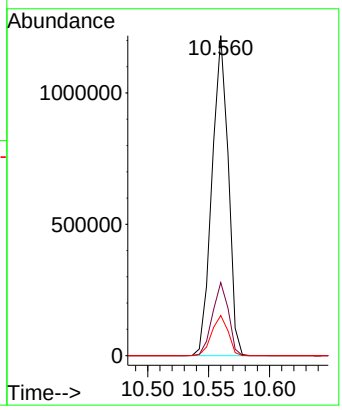




#60
Diethylphthalate
Concen: 57.521 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:149 Resp: 113175

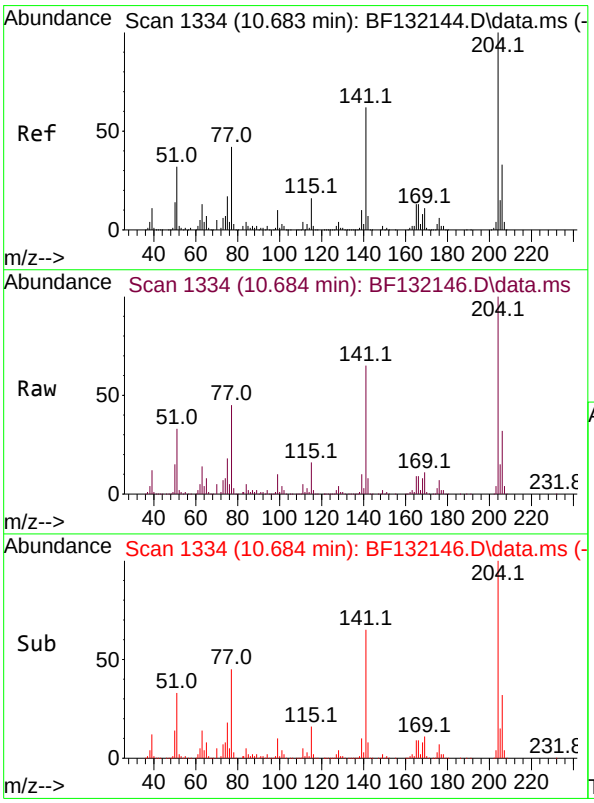
Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.4	27.6
150	12.5	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

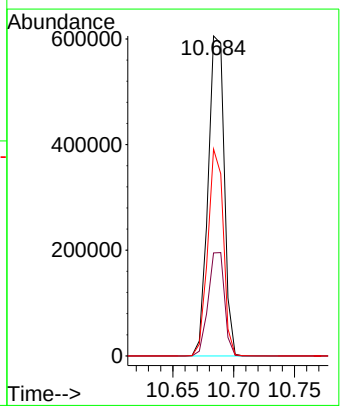
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

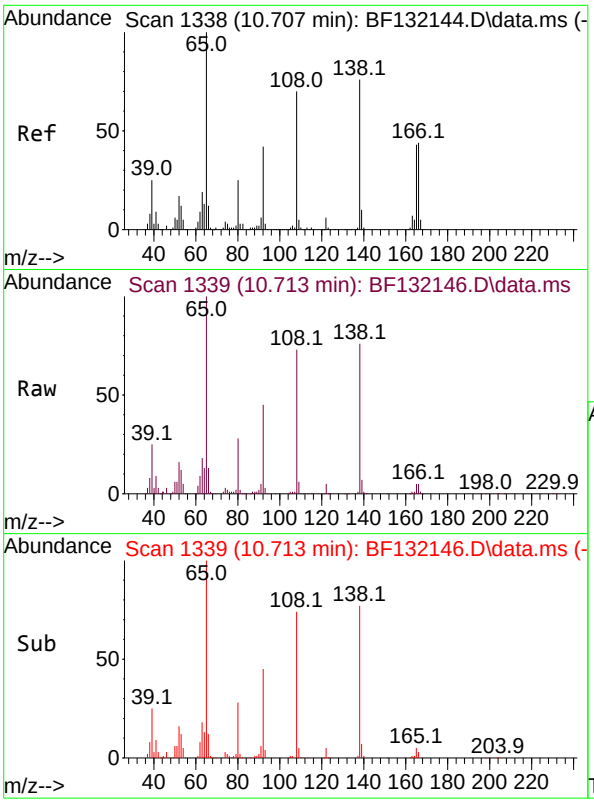


#61
4-Chlorophenyl-phenylether
Concen: 56.128 ng
RT: 10.684 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:204 Resp: 559503

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.4	39.6
141	64.6	49.2	73.8

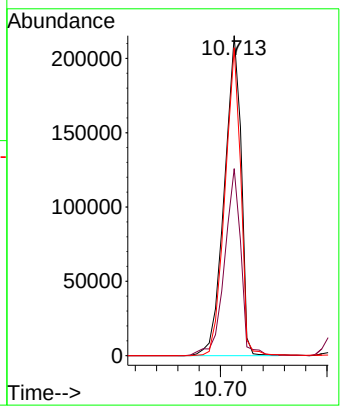




#62
4-Nitroaniline
Concen: 60.667 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:138 Resp: 23483

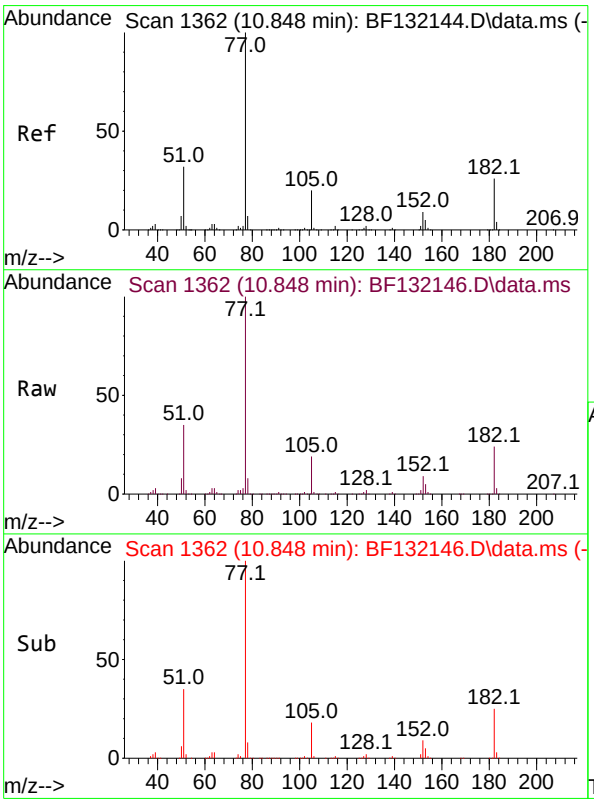
Ion	Ratio	Lower	Upper
138	100		
92	58.4	35.9	75.9
108	96.2	72.0	112.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

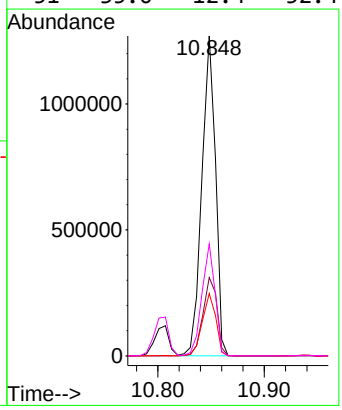
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

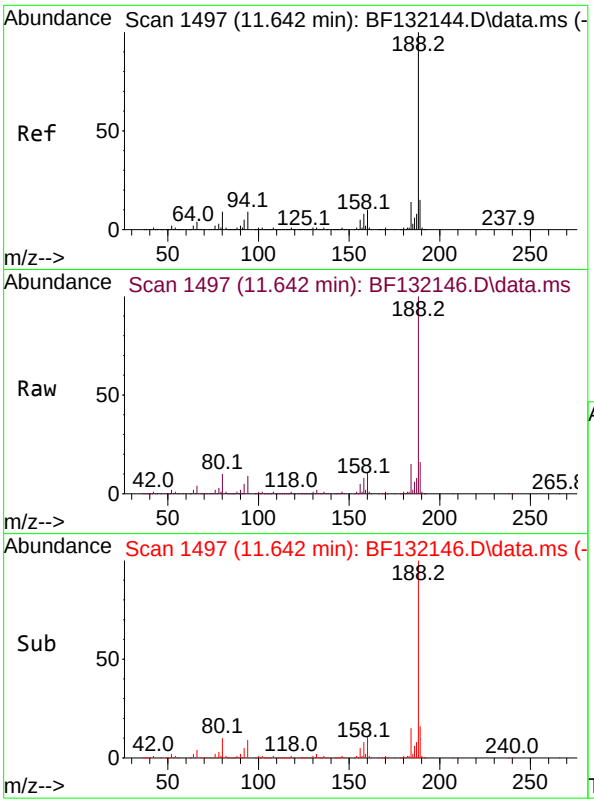


#63
Azobenzene
Concen: 57.002 ng
RT: 10.848 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion: 77 Resp: 1125601

Ion	Ratio	Lower	Upper
77	100		
182	24.5	6.4	46.4
105	19.5	0.0	39.8
51	35.0	12.4	52.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.642 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

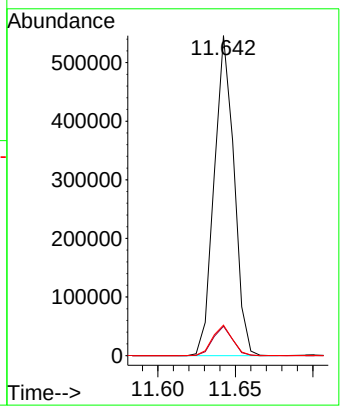
Tgt Ion:188 Resp: 48580

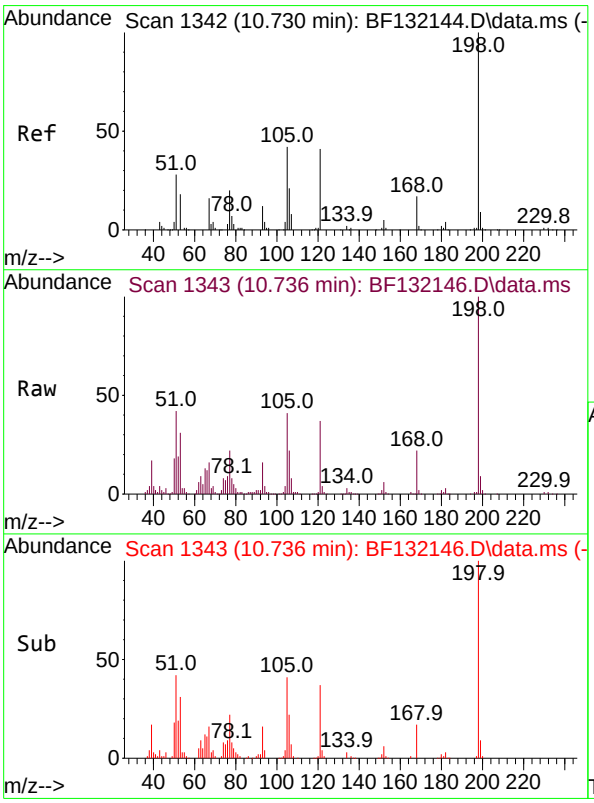
Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.9	10.3
80	9.5	7.5	11.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

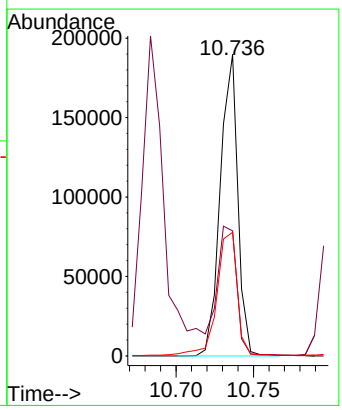


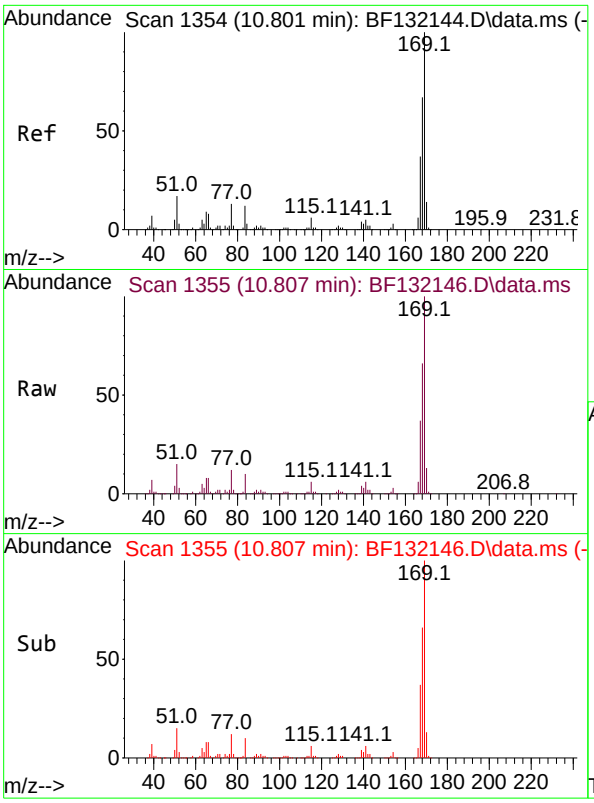


#65
4,6-Dinitro-2-methylphenol
Concen: 71.112 ng
RT: 10.736 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:198 Resp: 149779

Ion	Ratio	Lower	Upper
198	100		
51	41.5	24.3	64.3
105	41.0	23.3	63.3

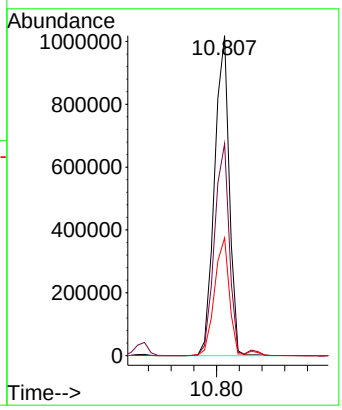




#66
n-Nitrosodiphenylamine
Concen: 58.848 ng
RT: 10.807 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:169 Resp: 91557

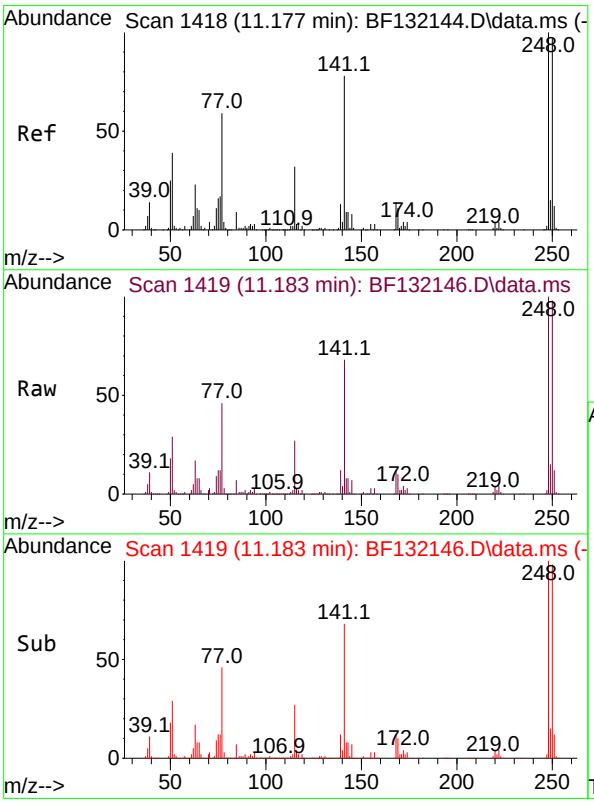
Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.4	80.0
167	36.8	29.7	44.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

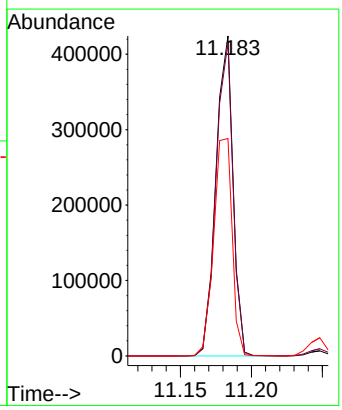
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

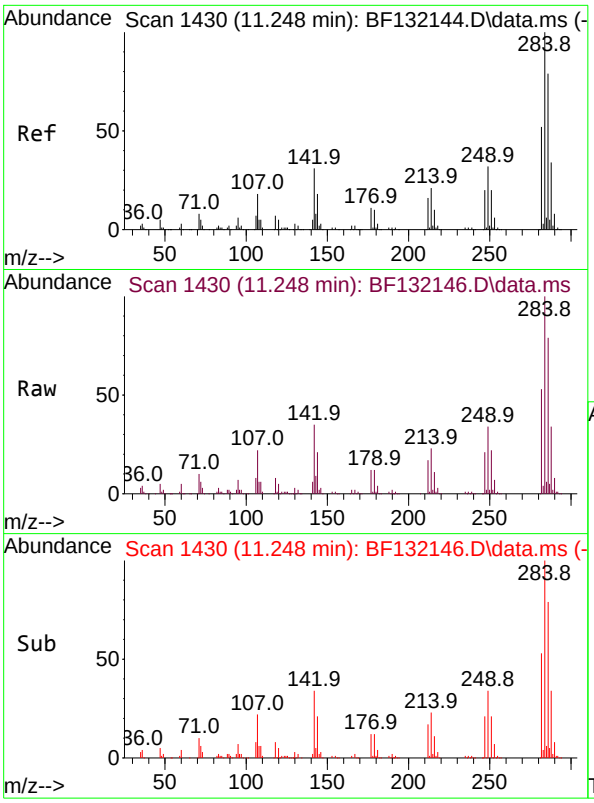


#67
4-Bromophenyl-phenylether
Concen: 60.061 ng
RT: 11.183 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:248 Resp: 355646

Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.4	116.0
141	67.9	62.2	93.2

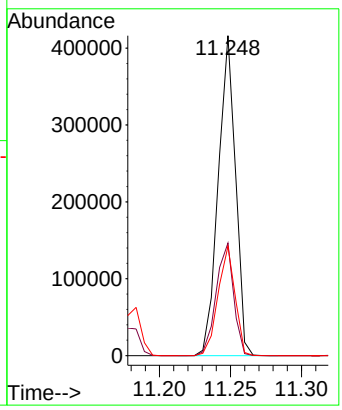




#68
Hexachlorobenzene
Concen: 60.040 ng
RT: 11.248 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:284 Resp: 353336

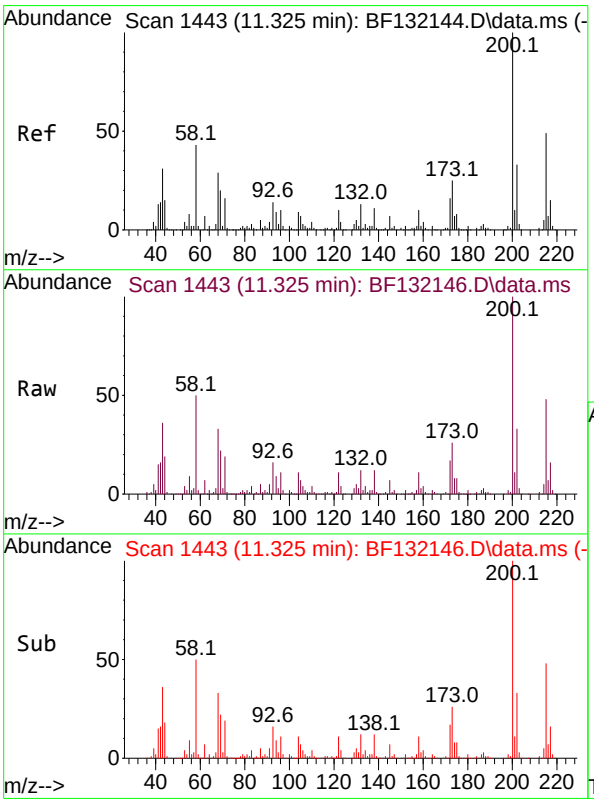
Ion	Ratio	Lower	Upper
284	100		
142	35.2	24.7	37.1
249	34.1	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

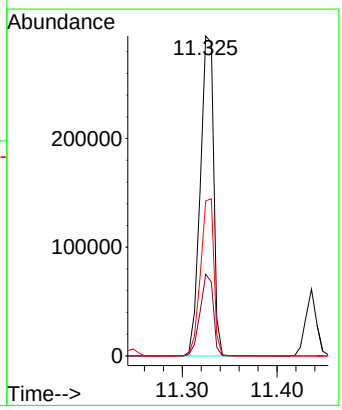
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

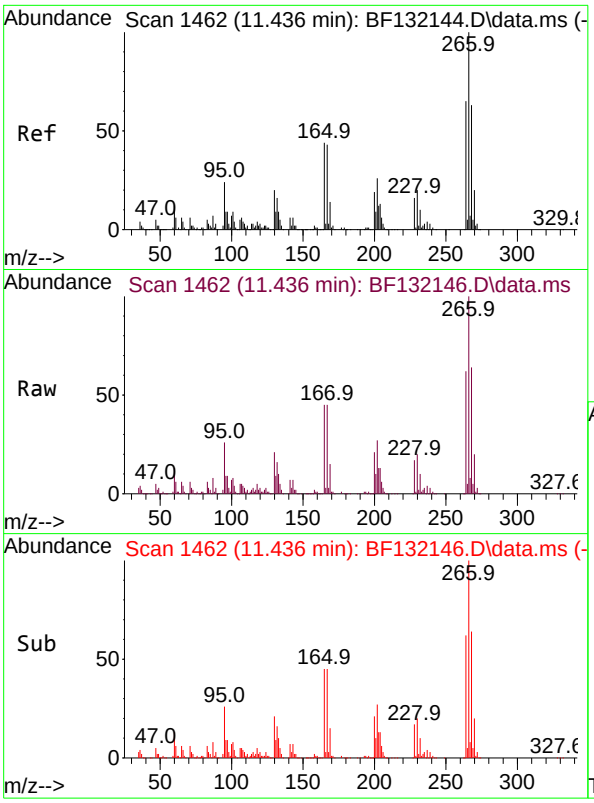


#69
Atrazine
Concen: 60.057 ng
RT: 11.325 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:200 Resp: 288287

Ion	Ratio	Lower	Upper
200	100		
173	25.5	5.0	45.0
215	48.4	28.6	68.6





#70
Pentachlorophenol
Concen: 67.243 ng
RT: 11.436 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

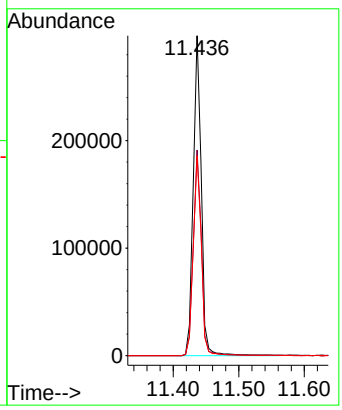
Tgt Ion:266 Resp: 25430

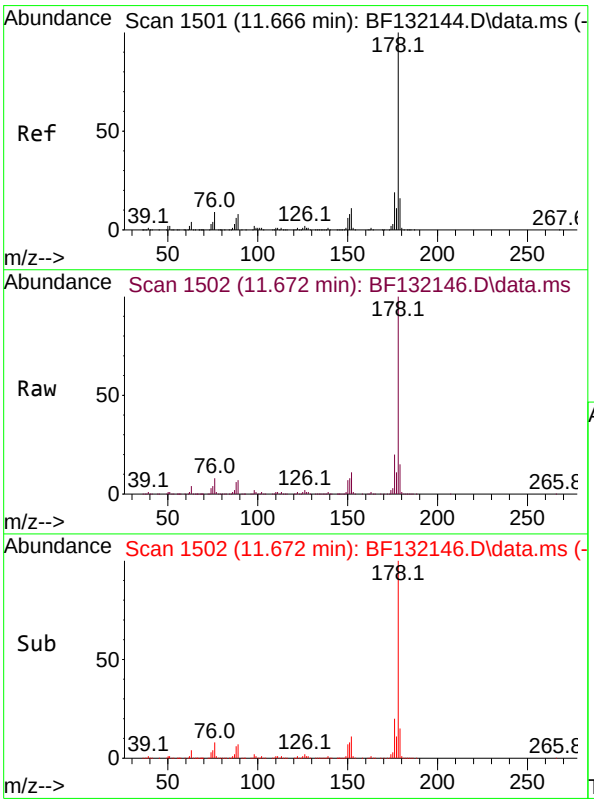
Ion	Ratio	Lower	Upper
266	100		
268	64.2	50.8	76.2
264	62.5	52.3	78.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

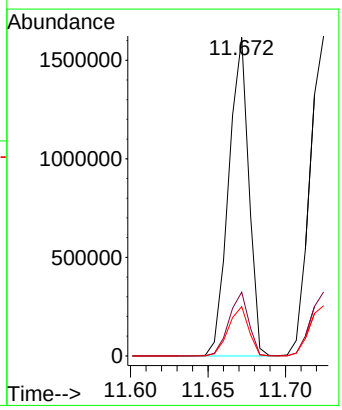


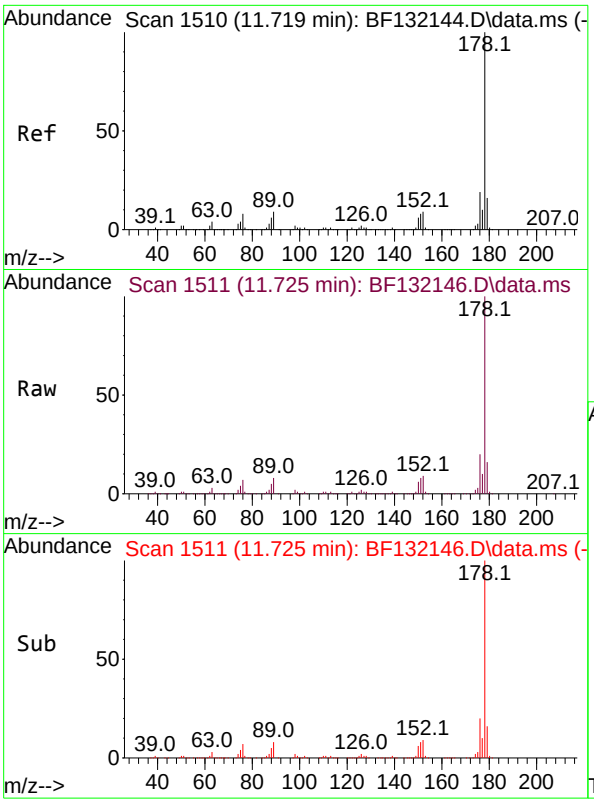


#71
Phenanthrene
Concen: 57.327 ng
RT: 11.672 min Scan# 1502
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:178 Resp: 1461486

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.5	23.3
179	15.5	12.6	19.0

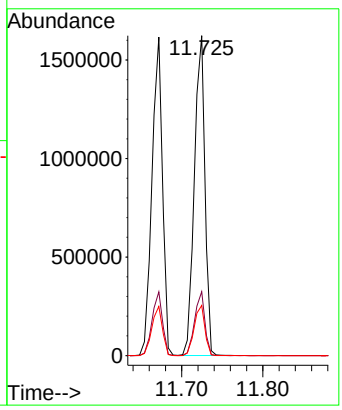




#72
Anthracene
Concen: 56.831 ng
RT: 11.725 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:178 Resp: 146575

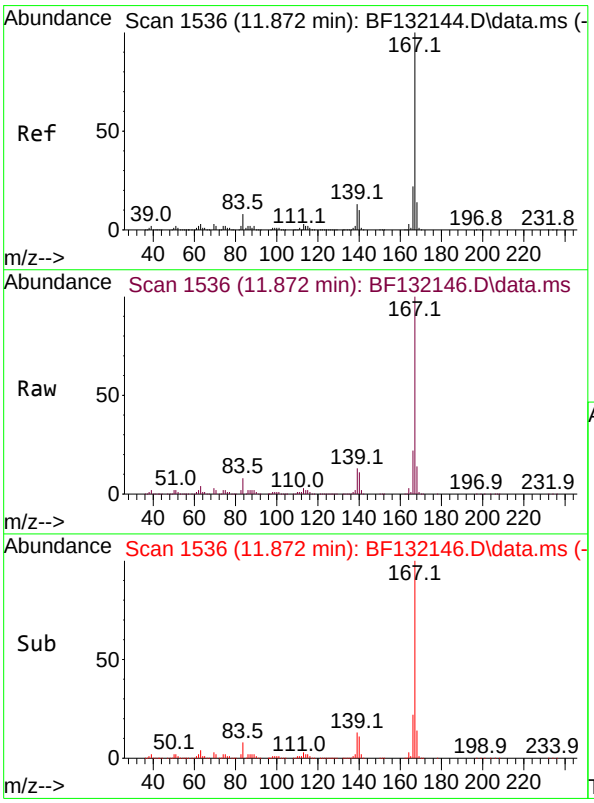
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.3	22.9
179	15.7	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

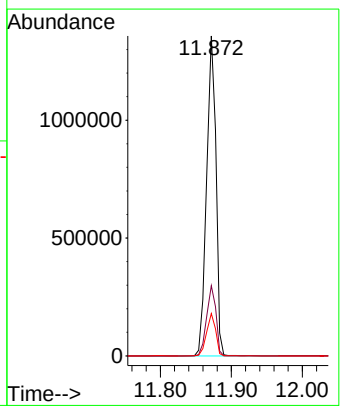
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

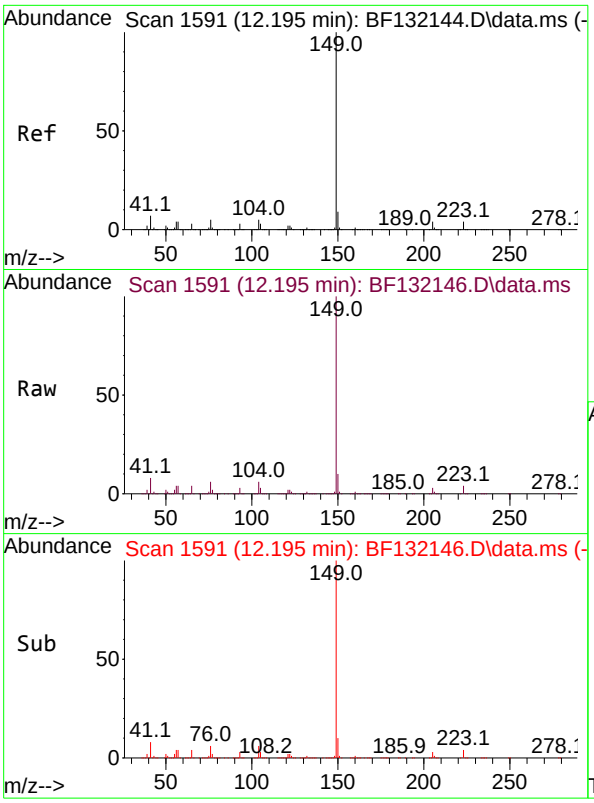


#73
Carbazole
Concen: 56.370 ng
RT: 11.872 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:167 Resp: 1241858

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.7	26.5
139	13.2	10.5	15.7

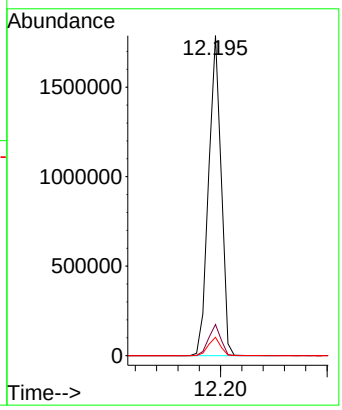




#74
Di-n-butylphthalate
Concen: 59.487 ng
RT: 12.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:149 Resp: 145892

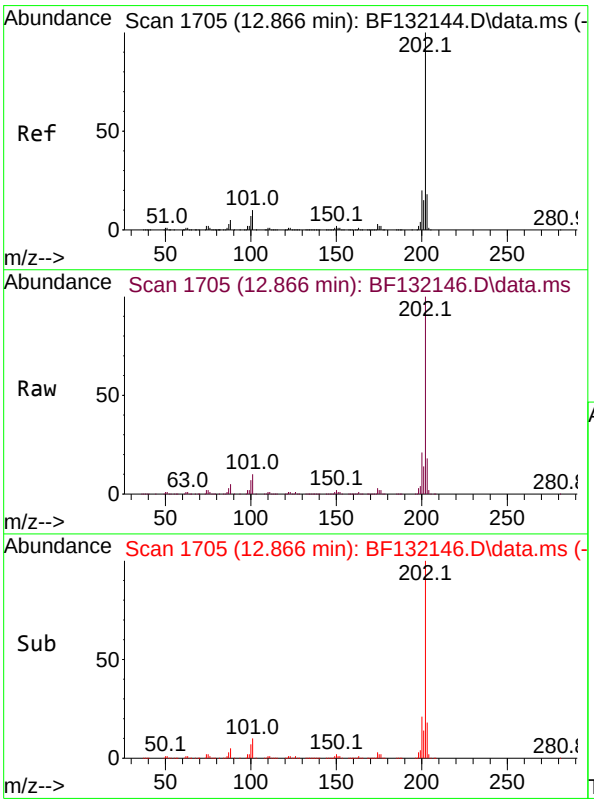
Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.5	11.3
104	5.7	4.3	6.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

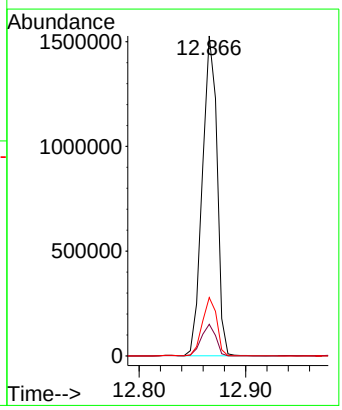
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

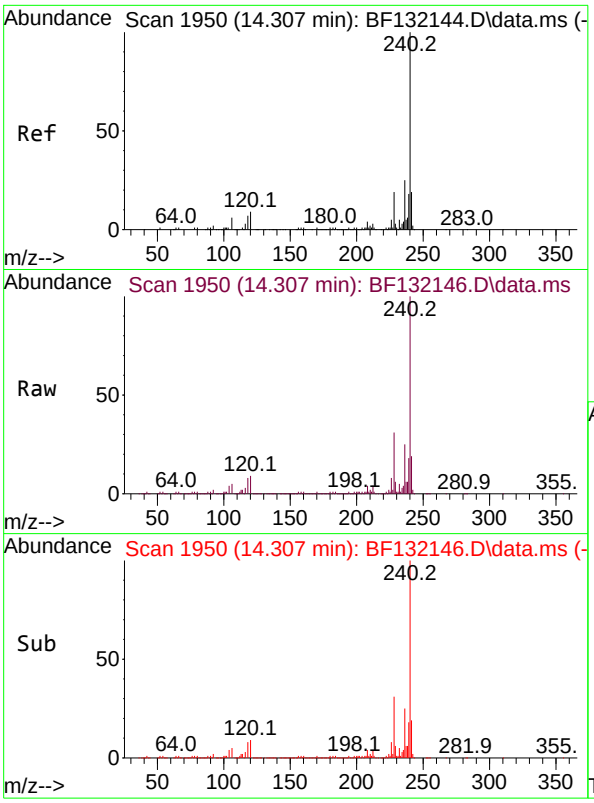


#75
Fluoranthene
Concen: 55.738 ng
RT: 12.866 min Scan# 1705
Delta R.T. -0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:202 Resp: 1459641

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.6
203	18.3	0.0	37.9

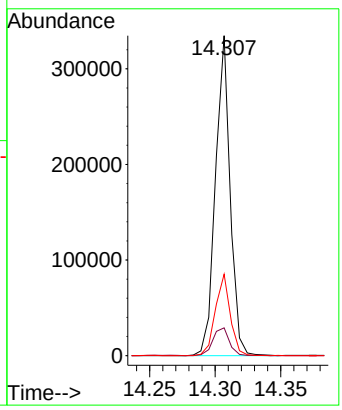




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.307 min Scan# 19
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:240 Resp: 26123

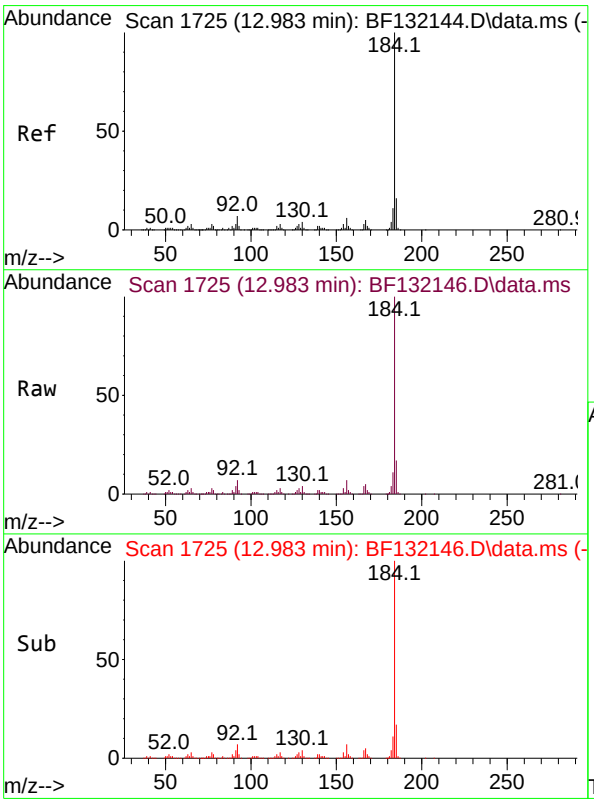
Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.9	10.3
236	25.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

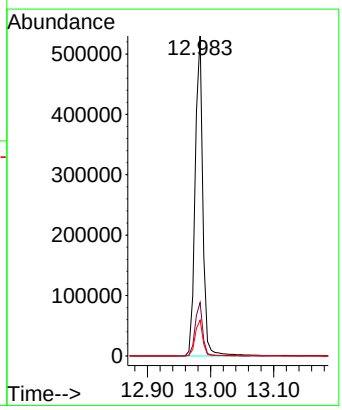
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

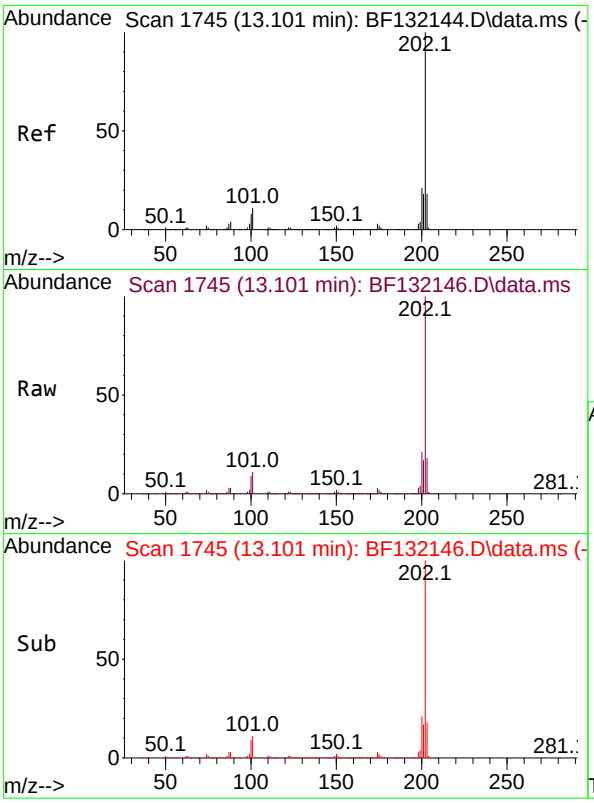


#77
Benzidine
Concen: 57.362 ng
RT: 12.983 min Scan# 1725
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:184 Resp: 449922

Ion	Ratio	Lower	Upper
184	100		
185	16.7	12.5	18.7
183	11.2	9.0	13.4

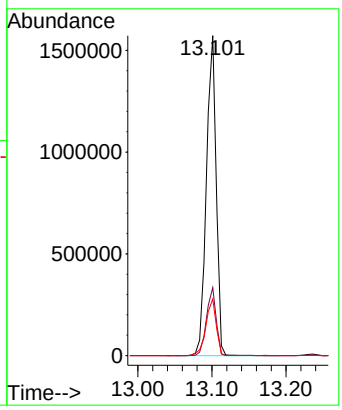




#78
Pyrene
Concen: 59.668 ng
RT: 13.101 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:202 Resp: 143657

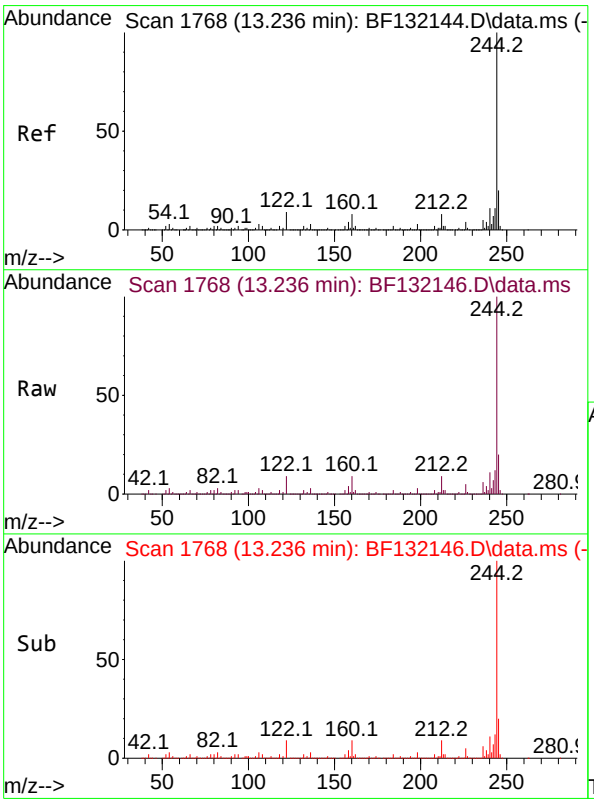
Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.7	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

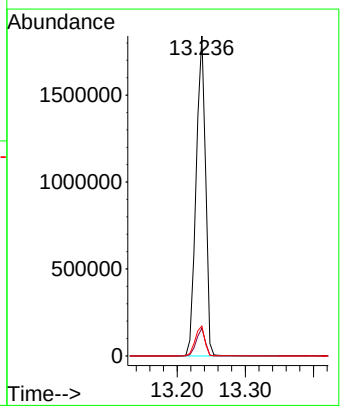
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

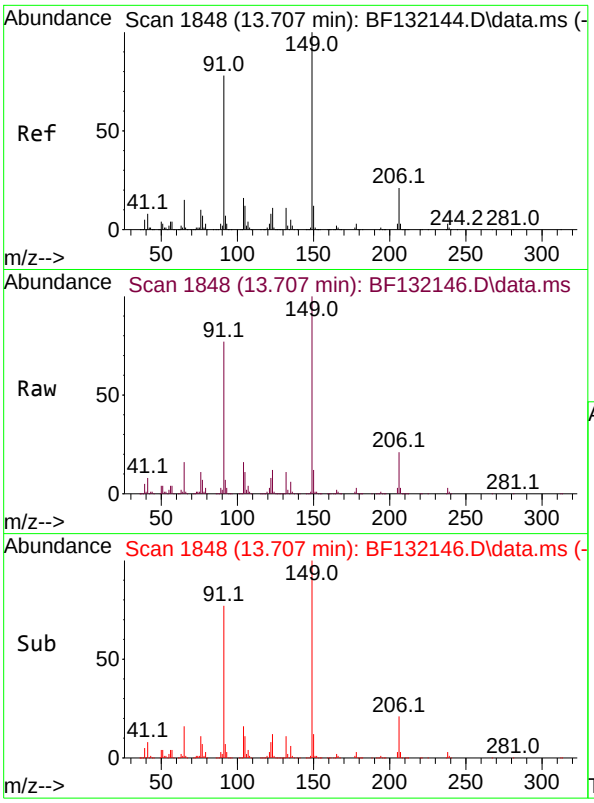


#79
Terphenyl-d14
Concen: 113.293 ng
RT: 13.236 min Scan# 1768
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:244 Resp: 1766851

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.7	10.1
122	9.3	7.4	11.2





#80
Butylbenzylphthalate
Concen: 70.140 ng
RT: 13.707 min Scan# 18
Delta R.T. -0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

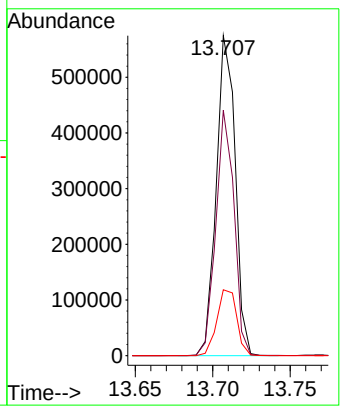
Tgt Ion:149 Resp: 48936

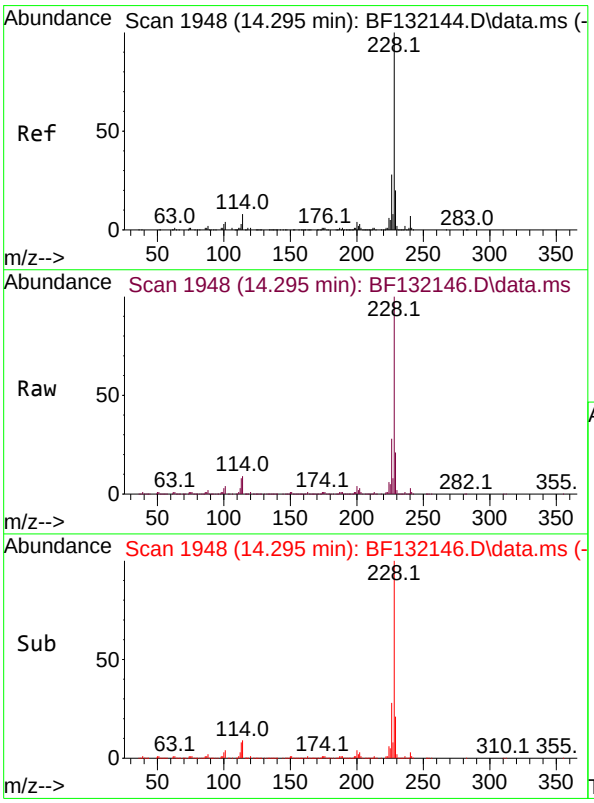
Ion	Ratio	Lower	Upper
149	100		
91	76.7	62.6	94.0
206	20.6	16.4	24.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

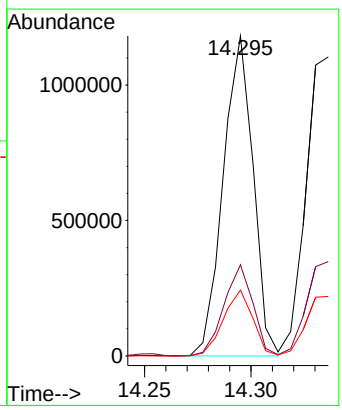


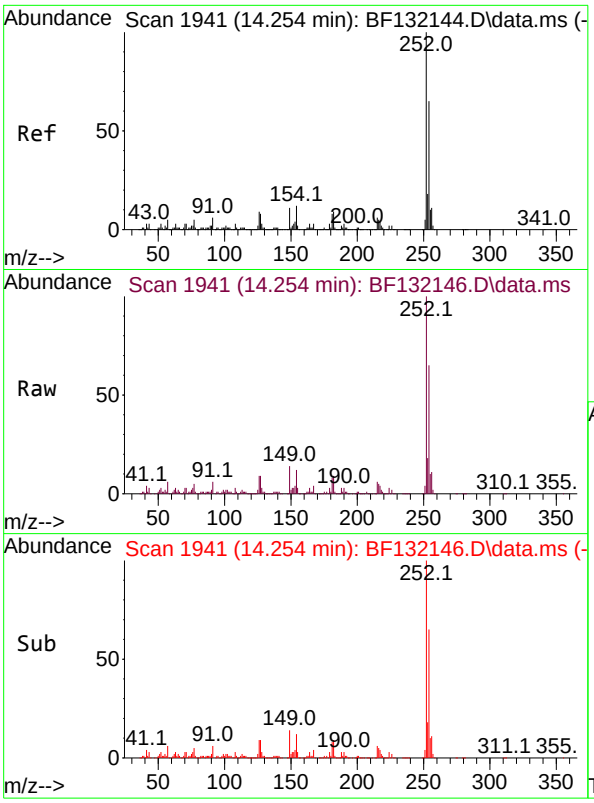


#81
Benzo(a)anthracene
Concen: 61.773 ng
RT: 14.295 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:228 Resp: 1152856

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.5	33.7
229	20.6	16.1	24.1

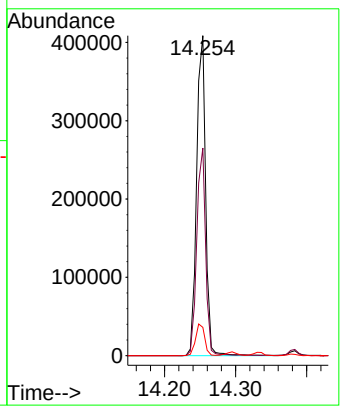




#82
3,3'-Dichlorobenzidine
Concen: 68.754 ng
RT: 14.254 min Scan# 19
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:252 Resp: 35735

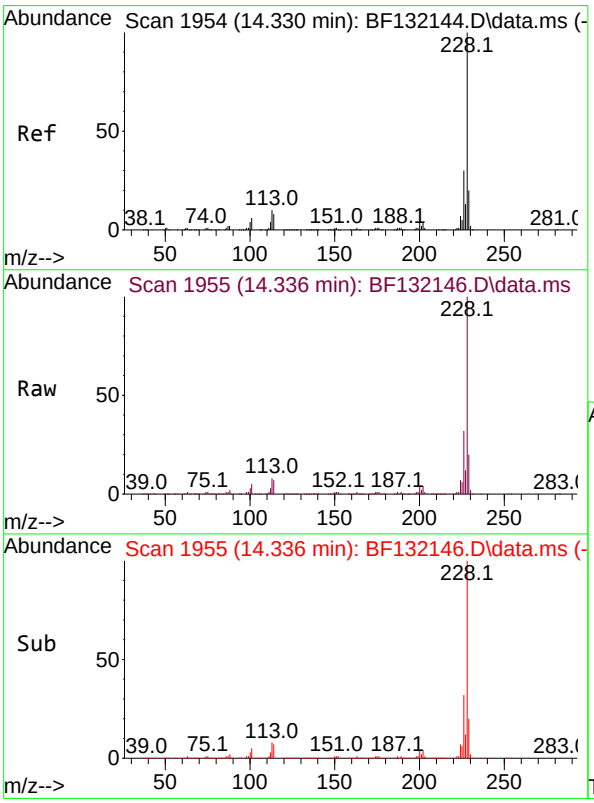
Ion	Ratio	Lower	Upper
252	100		
254	64.9	52.4	78.6
126	8.8	7.0	10.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

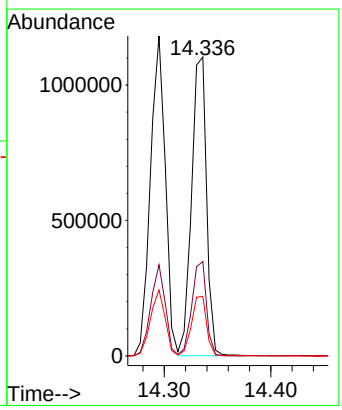
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

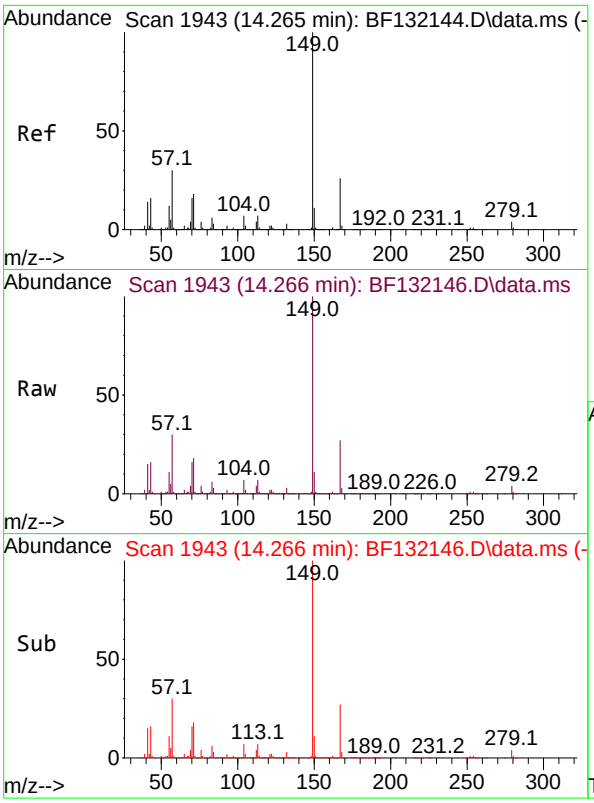


#83
Chrysene
Concen: 60.882 ng
RT: 14.336 min Scan# 1955
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:228 Resp: 1081540

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.3	36.5
229	19.9	15.8	23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 71.576 ng
RT: 14.266 min Scan# 19
Delta R.T. 0.001 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

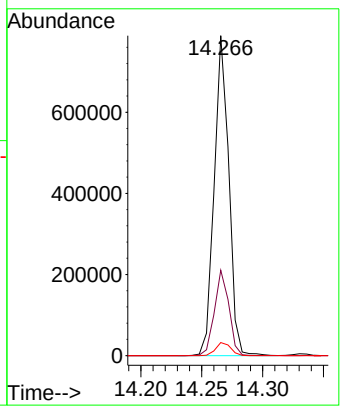
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

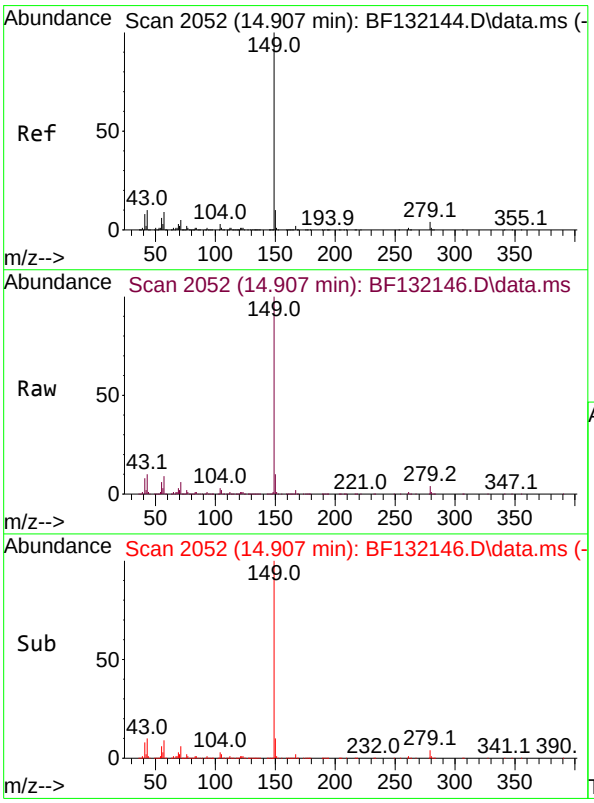
Tgt Ion:149 Resp: 65942

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.0	31.6
279	4.1	3.2	4.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

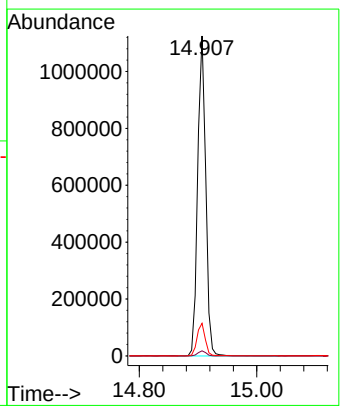


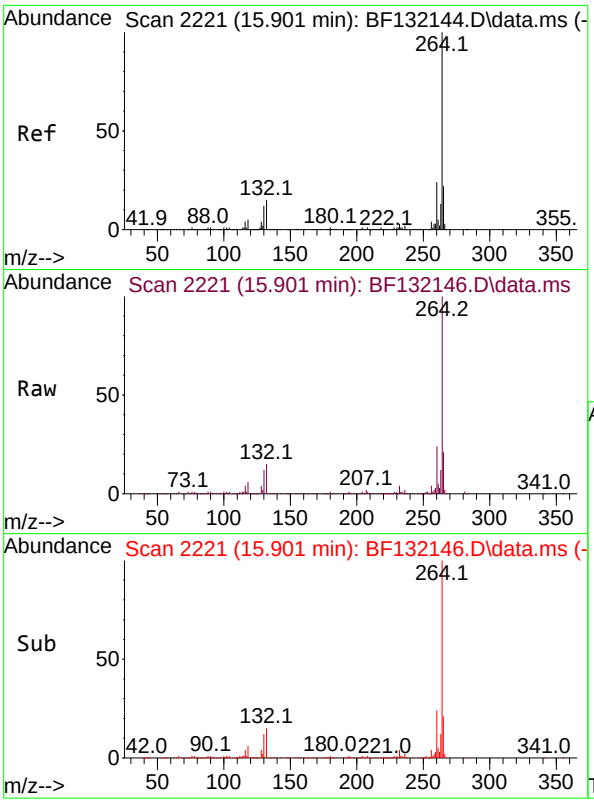


#85
Di-n-octyl phthalate
Concen: 75.381 ng
RT: 14.907 min Scan# 2052
Delta R.T. -0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:149 Resp: 1066128

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.4	8.4	12.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.901 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

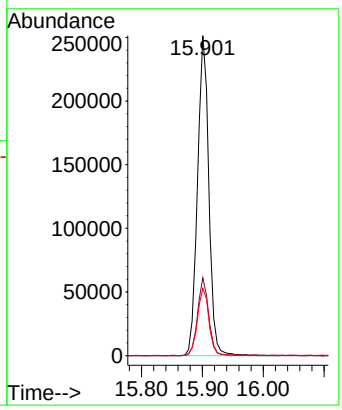
Tgt Ion:264 Resp: 32406

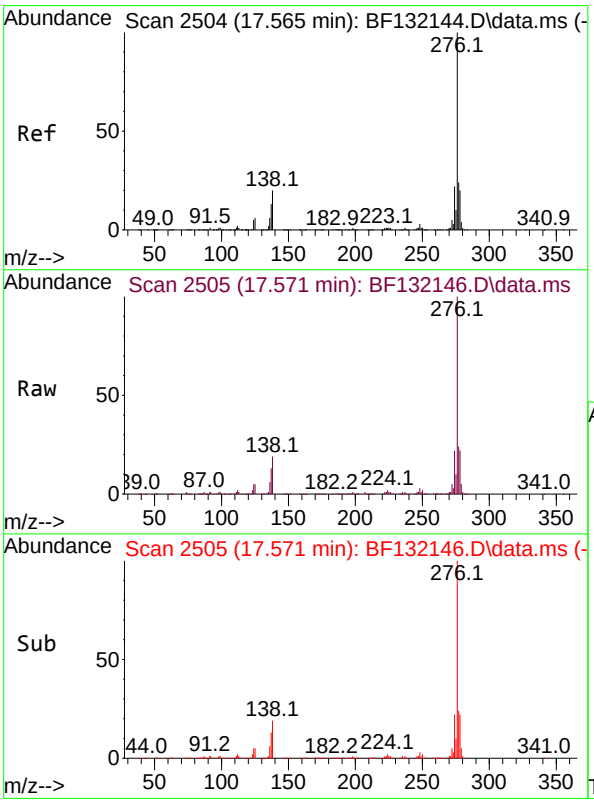
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.1	28.7
265	21.0	17.4	26.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

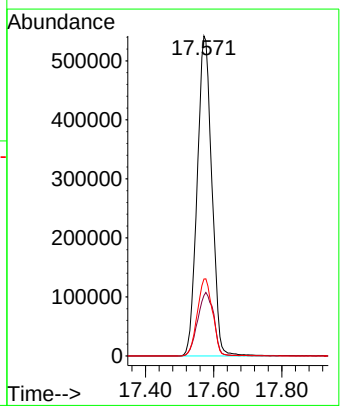


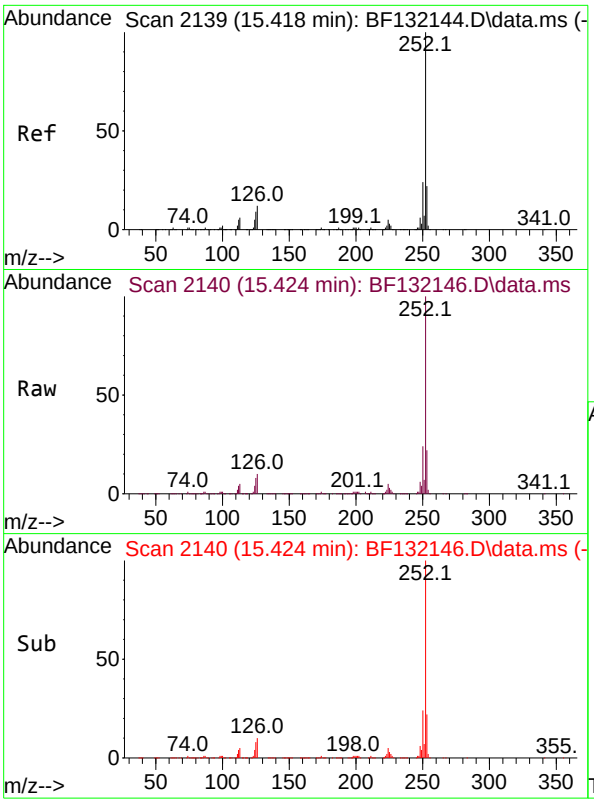


#87
Indeno(1,2,3-cd)pyrene
Concen: 68.678 ng
RT: 17.571 min Scan# 2505
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:276 Resp: 1615101

Ion	Ratio	Lower	Upper
276	100		
138	21.8	17.9	26.9
277	25.1	20.2	30.2

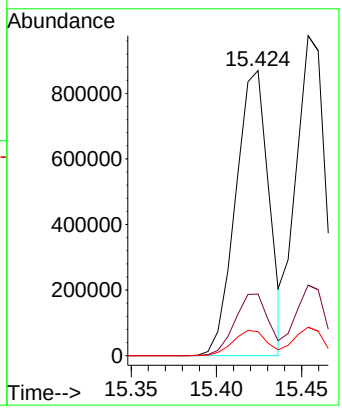




#88
Benzo(b)fluoranthene
Concen: 59.730 ng
RT: 15.424 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:252 Resp: 117852

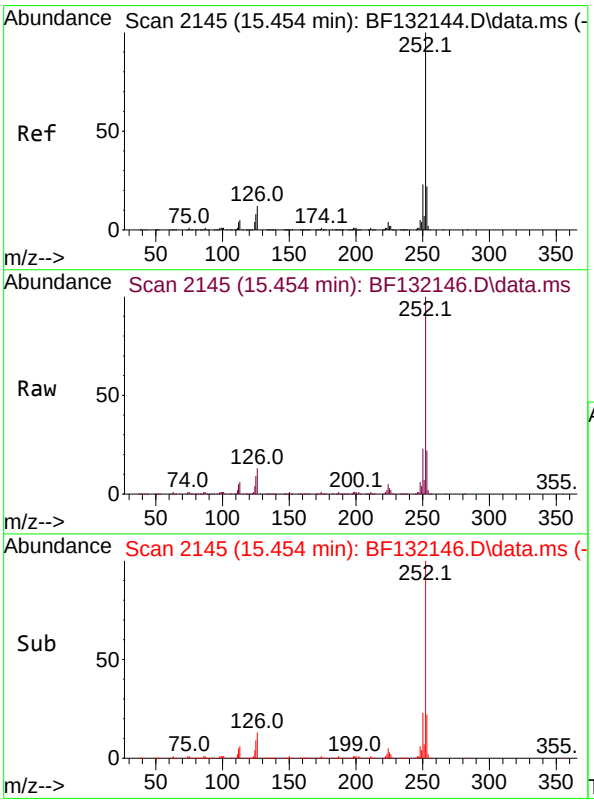
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	8.4	7.2	10.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

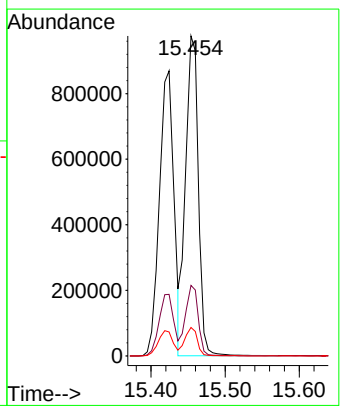
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

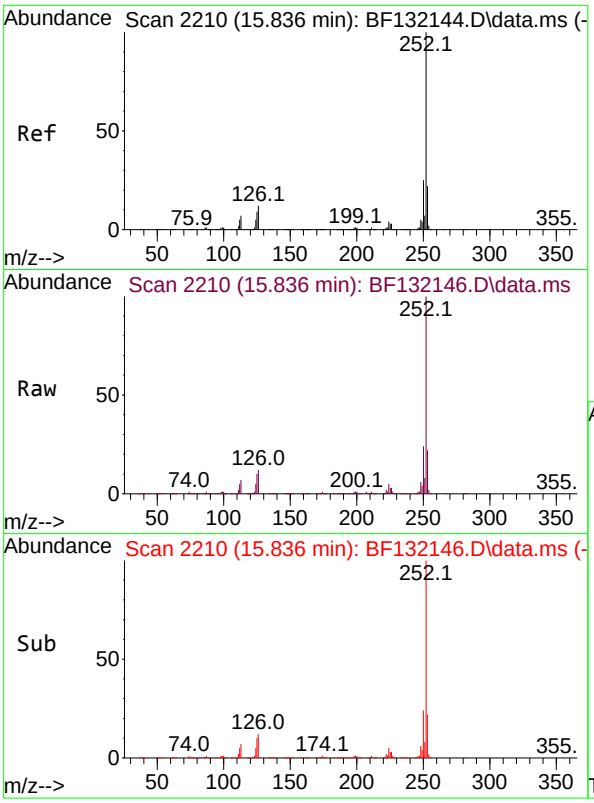


#89
Benzo(k)fluoranthene
Concen: 58.383 ng
RT: 15.454 min Scan# 2145
Delta R.T. -0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:252 Resp: 1174837

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	8.9	6.4	9.6

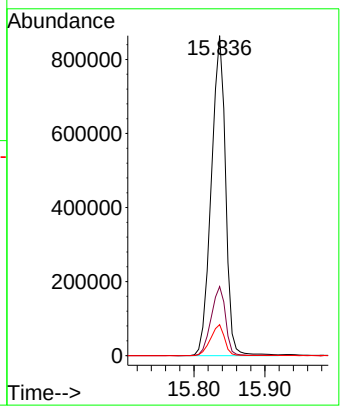




#90
Benzo(a)pyrene
Concen: 63.672 ng
RT: 15.836 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:252 Resp: 120853

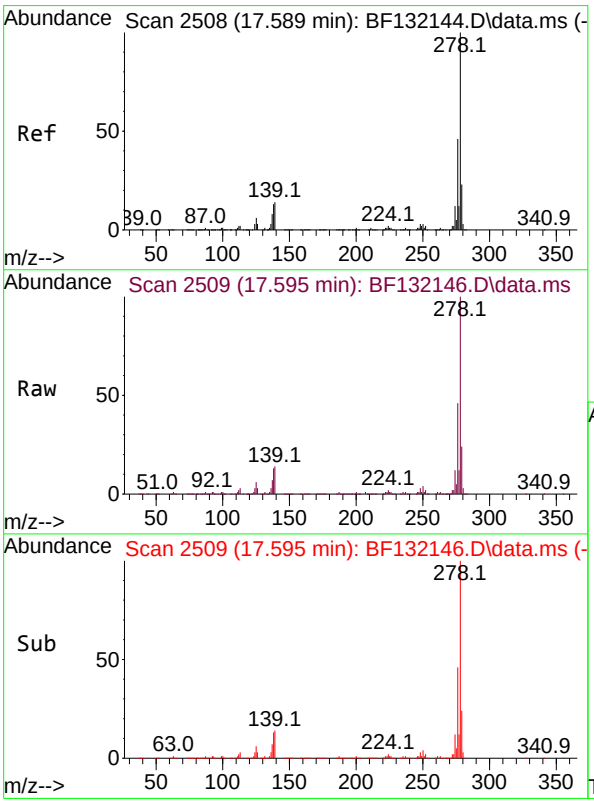
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	9.7	7.3	10.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

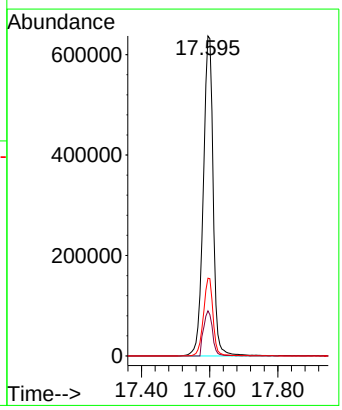
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

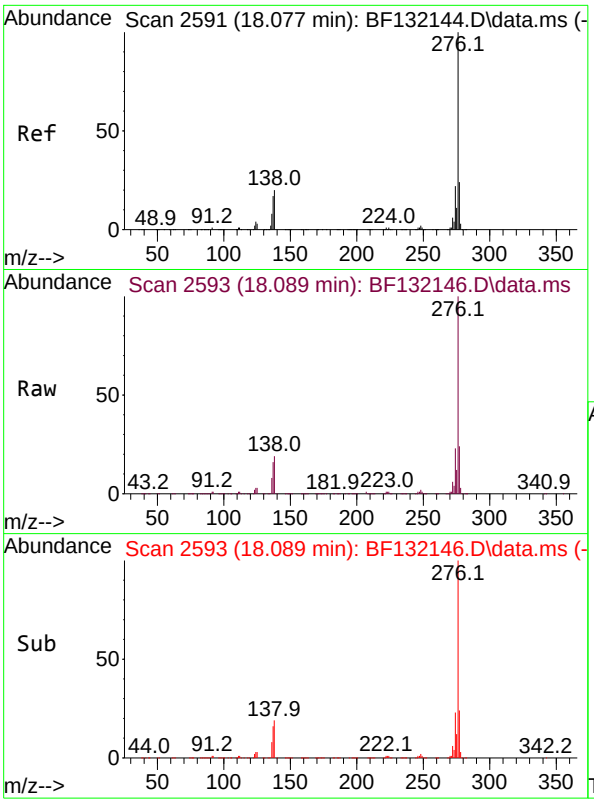


#91
Dibenzo(a,h)anthracene
Concen: 67.060 ng
RT: 17.595 min Scan# 2509
Delta R.T. 0.006 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:278 Resp: 1286113

Ion	Ratio	Lower	Upper
278	100		
139	14.1	11.4	17.2
279	24.3	18.6	28.0

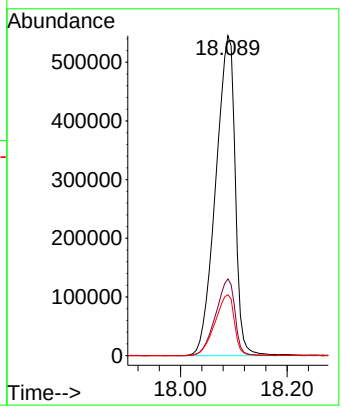




#92
Benzo(g,h,i)perylene
Concen: 68.510 ng
RT: 18.089 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF132146.D
Acq: 19 Jan 2023 14:38

Tgt Ion:276 Resp: 138260

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	19.0	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132147.D
Acq On : 19 Jan 2023 15:11
Operator : CG\JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

Quant Time: Jan 20 00:13:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.096	152	168961	20.000	ng		0.00
21) Naphthalene-d8	8.384	136	540711	20.000	ng		0.00
39) Acenaphthene-d10	10.148	164	272617	20.000	ng		0.00
64) Phenanthrene-d10	11.642	188	471595	20.000	ng		0.00
76) Chrysene-d12	14.307	240	273781	20.000	ng		0.00
86) Perylene-d12	15.907	264	342038	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.713	112	1363259	140.947	ng		0.00
7) Phenol-d6	6.713	99	1695017	139.216	ng		0.01
23) Nitrobenzene-d5	7.666	82	1647214	161.833	ng		0.01
42) 2,4,6-Tribromophenol	10.942	330	461956	158.641	ng		0.00
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng		
79) Terphenyl-d14	13.242	244	2205569	134.946	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.037	88	373432	76.209	ng		99
3) Pyridine	3.796	79	1000583	76.065	ng		99
4) n-Nitrosodimethylamine	3.772	42	501503	81.065	ng		96
6) Aniline	6.766	93	1255287m	74.138	ng		
8) 2-Chlorophenol	6.884	128	698627	68.717	ng		95
10) Phenol	6.731	94	880657	69.479	ng		98
11) bis(2-Chloroethyl)ether	6.831	93	764597	71.257	ng		99
12) 1,3-Dichlorobenzene	7.037	146	793257	69.800	ng		98
13) 1,4-Dichlorobenzene	7.113	146	786058	69.316	ng		98
14) 1,2-Dichlorobenzene	7.272	146	685248	65.350	ng		98
15) Benzyl Alcohol	7.231	79	716458m	75.895	ng		
16) 2,2'-oxybis(1-Chloropr...	7.366	45	1092829	70.075	ng		98
17) 2-Methylphenol	7.331	107	645724	72.498	ng		98
18) Hexachloroethane	7.613	117	303340	74.517	ng		91
19) n-Nitroso-di-n-propyla...	7.513	70	524239	70.293	ng		97
20) 3+4-Methylphenols	7.495	107	756246	67.382	ng	#	87
22) Acetophenone	7.507	105	907280	69.811	ng		96
24) Nitrobenzene	7.684	77	846567	78.554	ng		98
25) Isophorone	7.919	82	1606965	80.689	ng		99
27) 2,4-Dimethylphenol	8.025	122	649440	75.362	ng		97
28) bis(2-Chloroethoxy)met...	8.125	93	878164	73.492	ng		99
29) 2,4-Dichlorophenol	8.237	162	639612	78.180	ng		98
30) 1,2,4-Trichlorobenzene	8.319	180	684460	73.657	ng		98
31) Naphthalene	8.407	128	1961170	70.623	ng		99
32) Benzoic acid	8.154	122	507604	100.343	ng		92
33) 4-Chloroaniline	8.448	127	844274	71.044	ng		99
34) Hexachlorobutadiene	8.519	225	475647	76.195	ng		99
35) Caprolactam	8.842	113	192010	82.915	ng		98
36) 4-Chloro-3-methylphenol	8.919	107	645563	78.410	ng		95
37) 2-Methylnaphthalene	9.095	142	1338305	69.998	ng		100
38) 1-Methylnaphthalene	9.201	142	1248378	70.174	ng		98
40) 1,2,4,5-Tetrachloroben...	9.260	216	690929	72.843	ng		99
41) Hexachlorocyclopentadiene	9.248	237	467005	90.225	ng		98
43) 2,4,6-Trichlorophenol	9.366	196	475486	80.773	ng		98
44) 2,4,5-Trichlorophenol	9.407	196	549090	79.755	ng		97
46) 1,1'-Biphenyl	9.566	154	1513966	70.392	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132147.D
Acq On : 19 Jan 2023 15:11
Operator : CG\JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 20 00:13:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47)	2-Chloronaphthalene	9.595	162	1209948	72.774	ng		98
48)	2-Nitroaniline	9.684	65	430334	89.897	ng		97
49)	Acenaphthylene	10.013	152	1930720	72.591	ng		99
50)	Dimethylphthalate	9.866	163	1459554	73.922	ng		99
51)	2,6-Dinitrotoluene	9.925	165	322657	84.311	ng		88
52)	Acenaphthene	10.184	154	1166439	72.911	ng		99
53)	3-Nitroaniline	10.101	138	317239	77.533	ng		95
55)	Dibenzofuran	10.354	168	1738505	70.318	ng		93
56)	4-Nitrophenol	10.236	139	254033	85.308	ng		86
57)	2,4-Dinitrotoluene	10.331	165	399599	86.988	ng		93
58)	Fluorene	10.701	166	1251479	68.314	ng		99
59)	2,3,4,6-Tetrachlorophenol	10.466	232	416329	79.496	ng		99
60)	Diethylphthalate	10.566	149	1413313	72.993	ng		99
61)	4-Chlorophenyl-phenyle...	10.689	204	681650	69.487	ng		99
62)	4-Nitroaniline	10.719	138	300676	78.932	ng		96
63)	Azobenzene	10.848	77	1382602	71.149	ng		95
65)	4,6-Dinitro-2-methylph...	10.742	198	206528	101.009	ng		92
66)	n-Nitrosodiphenylamine	10.807	169	1134402	75.109	ng		100
67)	4-Bromophenyl-phenylether	11.184	248	445768	77.548	ng		97
68)	Hexachlorobenzene	11.248	284	447376	78.309	ng	#	91
69)	Atrazine	11.331	200	358442	76.921	ng		100
70)	Pentachlorophenol	11.442	266	325031	88.535	ng		99
71)	Phenanthrene	11.672	178	1770533	71.541	ng		99
72)	Anthracene	11.725	178	1803269	72.024	ng		100
73)	Carbazole	11.878	167	1523393	71.232	ng		99
74)	Di-n-butylphthalate	12.195	149	1802008	75.690	ng		99
75)	Fluoranthene	12.872	202	1789458	70.391	ng		99
77)	Benzidine	12.983	184	571079	69.473	ng		97
78)	Pyrene	13.101	202	1802135	71.423	ng		99
80)	Butylbenzylphthalate	13.713	149	670333	91.677	ng		91
81)	Benzo(a)anthracene	14.295	228	1540103	78.742	ng		99
82)	3,3'-Dichlorobenzidine	14.254	252	471070	86.482	ng	#	99
83)	Chrysene	14.336	228	1451007	77.939	ng		98
84)	Bis(2-ethylhexyl)phtha...	14.266	149	908932	94.139	ng		99
85)	Di-n-octyl phthalate	14.913	149	1582333	106.755	ng		100
87)	Indeno(1,2,3-cd)pyrene	17.583	276	2206787	88.906	ng		99
88)	Benzo(b)fluoranthene	15.430	252	1660771	79.747	ng		98
89)	Benzo(k)fluoranthene	15.466	252	1609871	75.797	ng		100
90)	Benzo(a)pyrene	15.842	252	1657701	82.747	ng		99
91)	Dibenzo(a,h)anthracene	17.613	278	1735171	85.719	ng		98
92)	Benzo(g,h,i)perylene	18.107	276	1894782	88.954	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

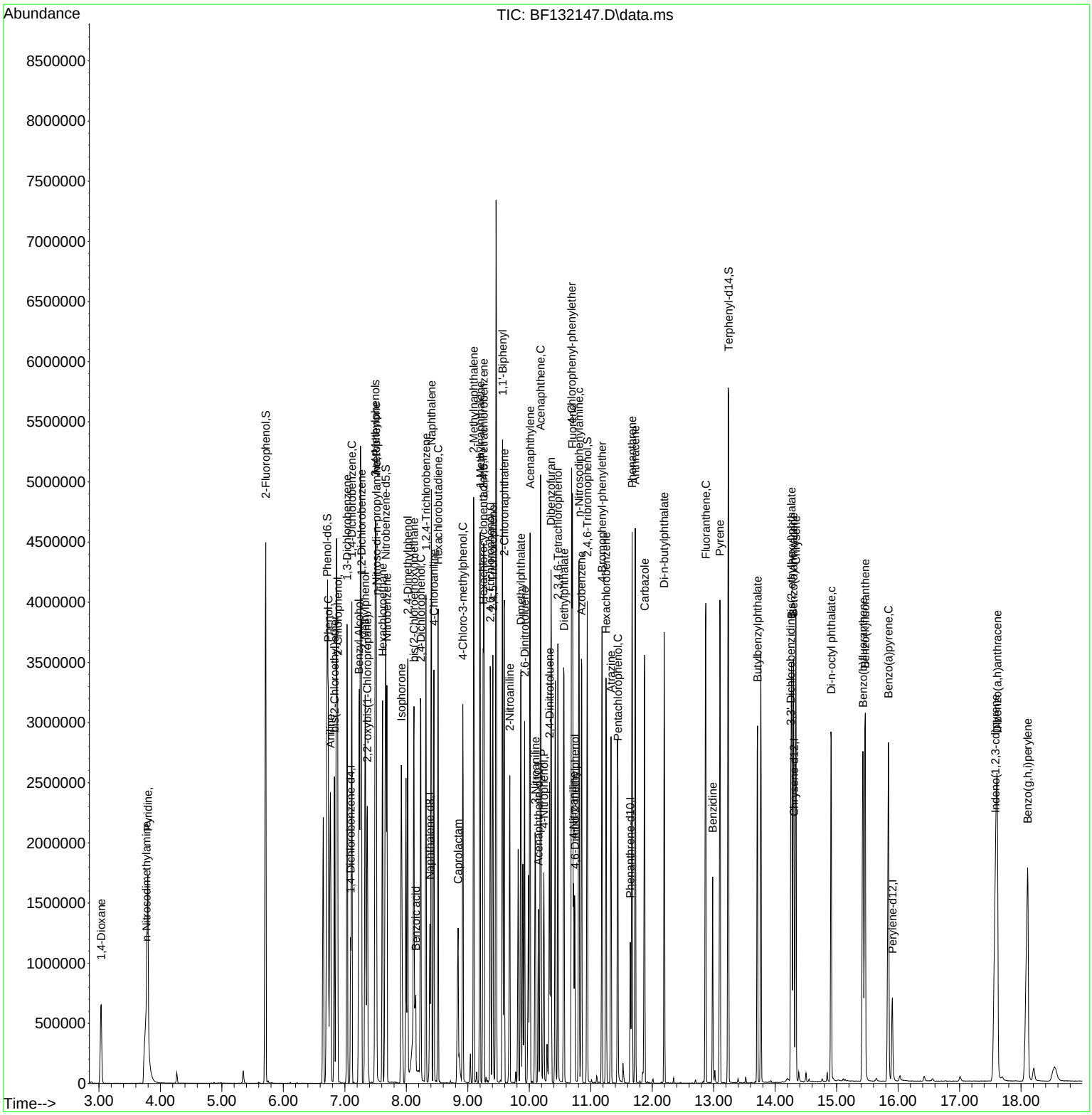
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132147.D
Acq On : 19 Jan 2023 15:11
Operator : CG\JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

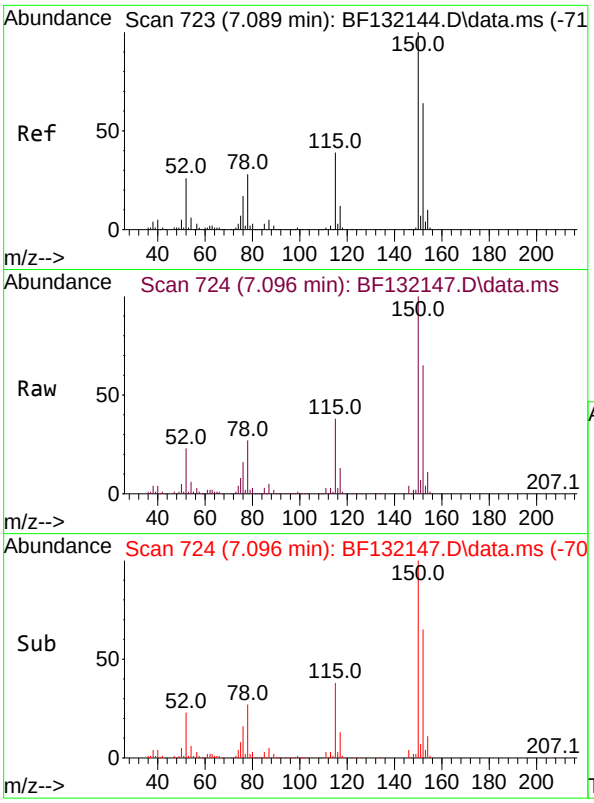
Quant Time: Jan 20 00:13:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:07:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

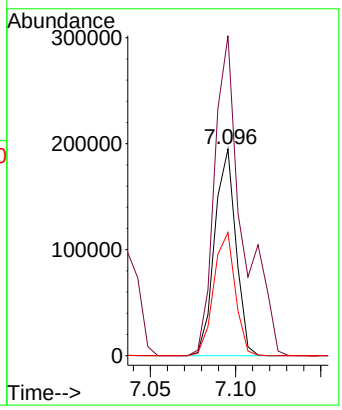




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.096 min Scan# 7
Delta R.T. 0.007 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:152 Resp: 16896

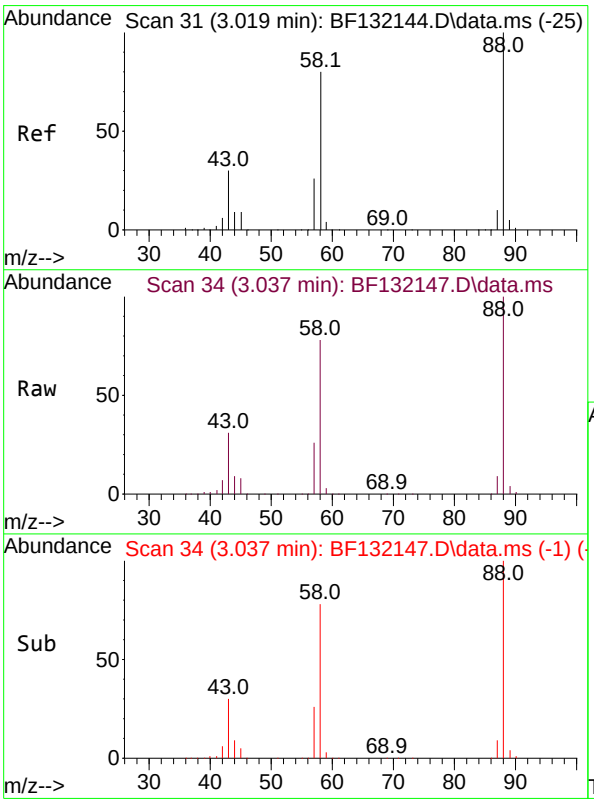
Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.8	188.8
115	59.6	49.2	73.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

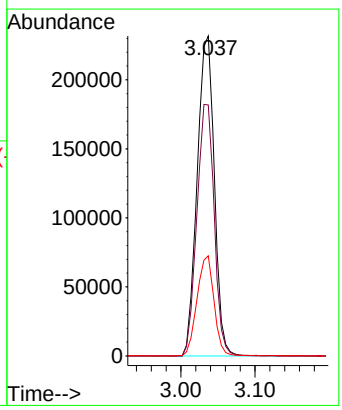
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

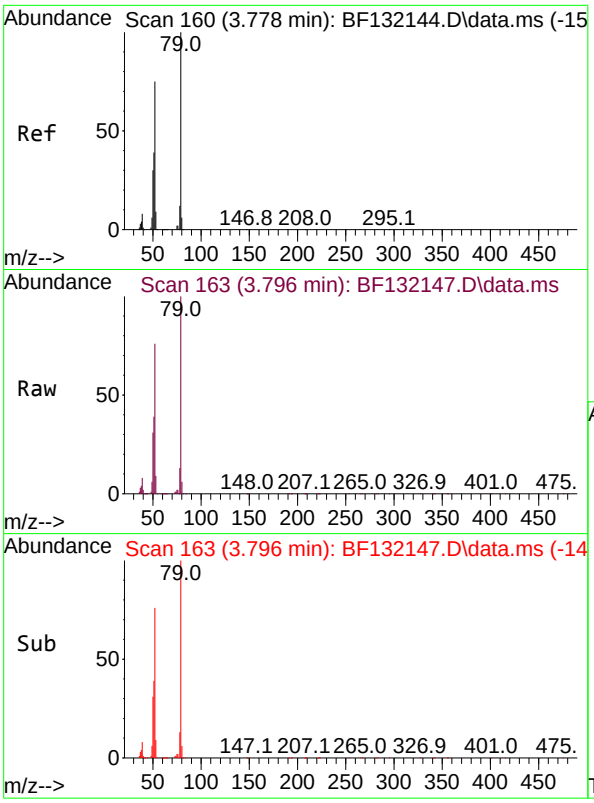


#2
1,4-Dioxane
Concen: 76.209 ng
RT: 3.037 min Scan# 34
Delta R.T. 0.018 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 88 Resp: 373432

Ion	Ratio	Lower	Upper
88	100		
58	79.4	64.0	96.0
43	30.9	24.2	36.4

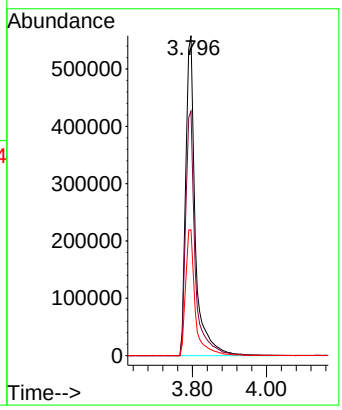




#3
Pyridine
Concen: 76.065 ng
RT: 3.796 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 79 Resp: 100058

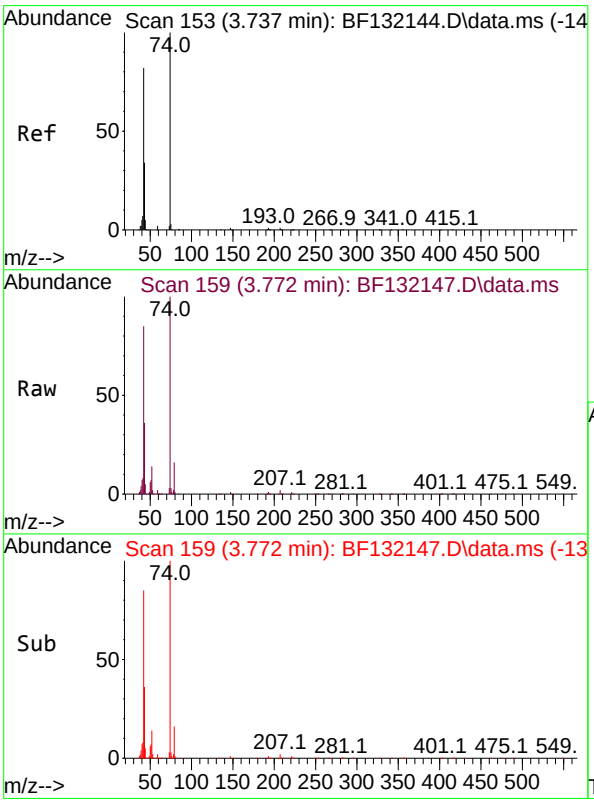
Ion	Ratio	Lower	Upper
79	100		
52	76.3	60.1	90.1
51	39.3	31.4	47.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

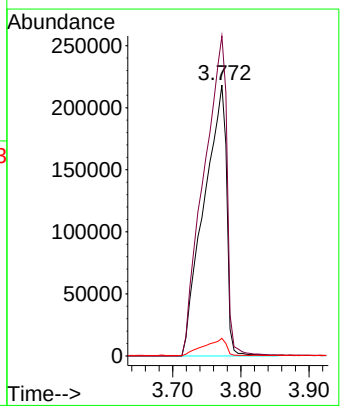
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

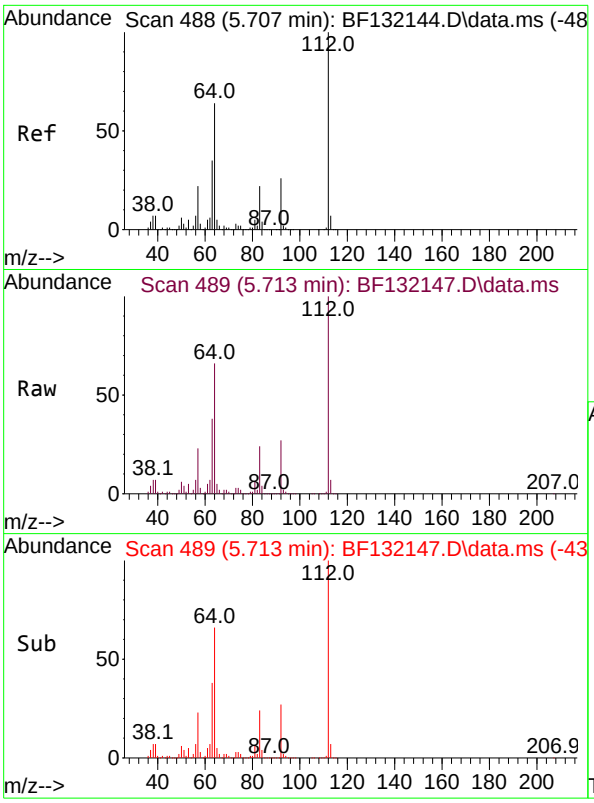


#4
n-Nitrosodimethylamine
Concen: 81.065 ng
RT: 3.772 min Scan# 159
Delta R.T. 0.035 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 42 Resp: 501503

Ion	Ratio	Lower	Upper
42	100		
74	118.1	98.1	147.1
44	6.5	5.2	7.8





#5
2-Fluorophenol
Concen: 140.947 ng
RT: 5.713 min Scan# 48
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

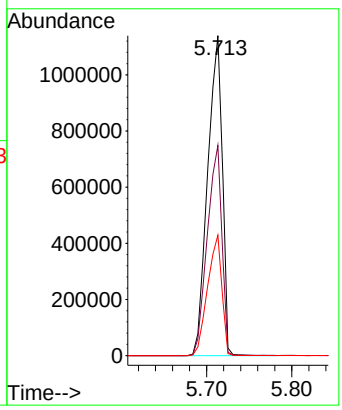
Tgt Ion:112 Resp: 136325

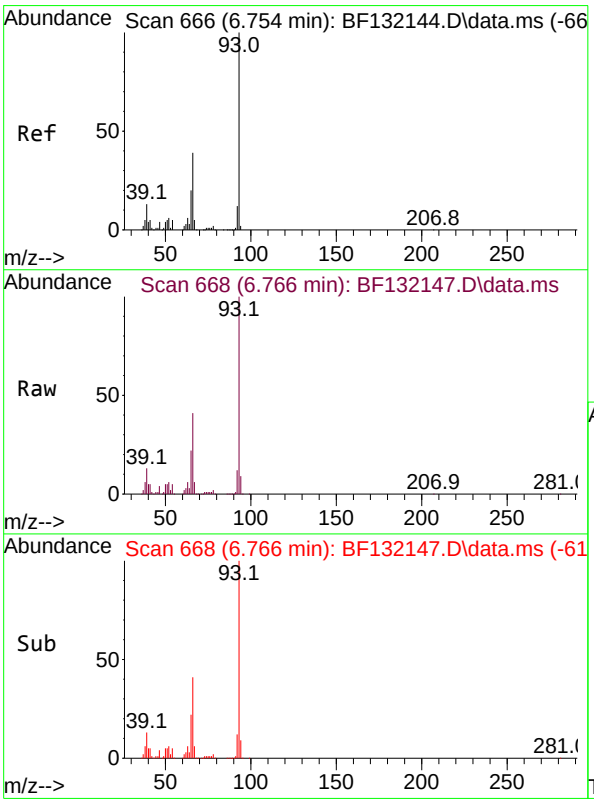
Ion	Ratio	Lower	Upper
112	100		
64	65.7	51.4	77.0
63	37.7	28.2	42.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

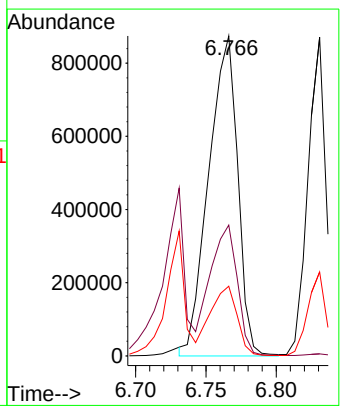


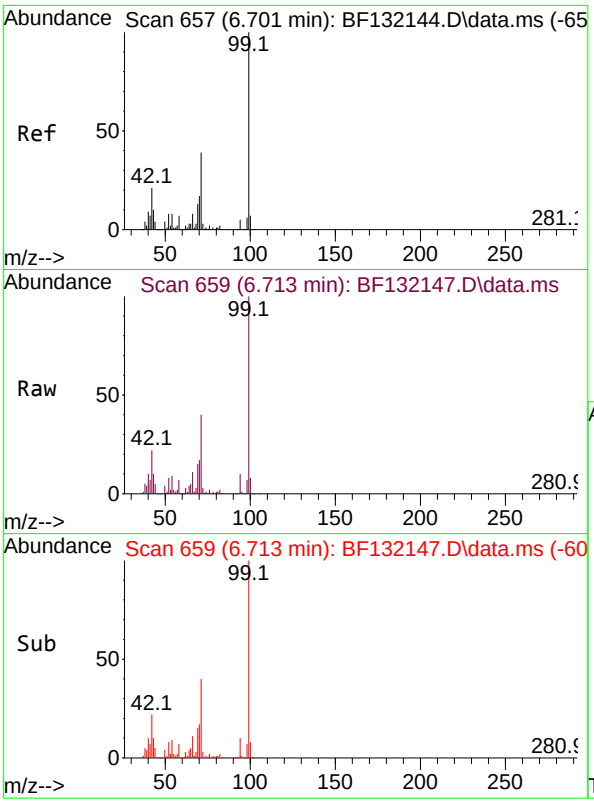


#6
Aniline
Concen: 74.138 ng m
RT: 6.766 min Scan# 668
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 93 Resp: 1255287

Ion	Ratio	Lower	Upper
93	100		
66	40.9	33.0	49.6
65	21.8	16.8	25.2

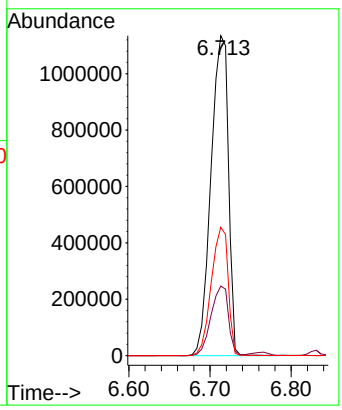




#7
Phenol-d6
Concen: 139.216 ng
RT: 6.713 min Scan# 6
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 99 Resp: 169501

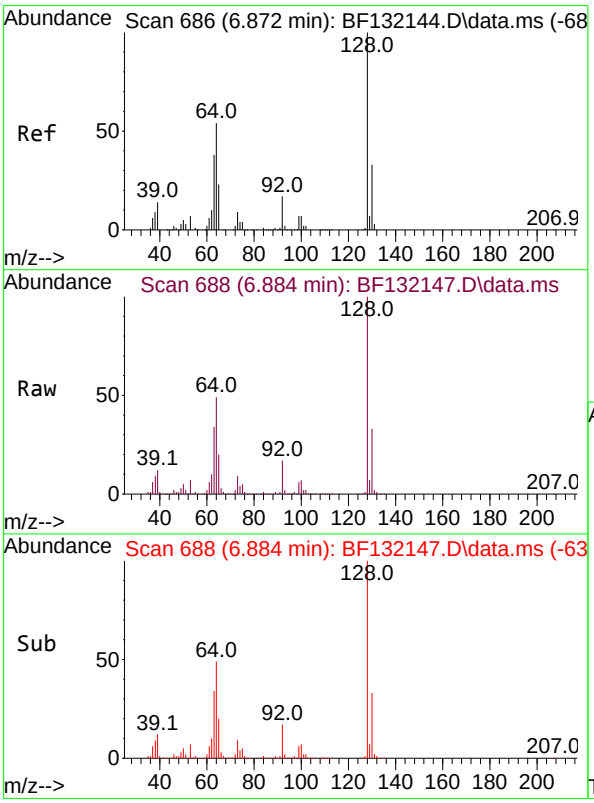
Ion	Ratio	Lower	Upper
99	100		
42	21.7	16.6	24.8
71	40.1	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

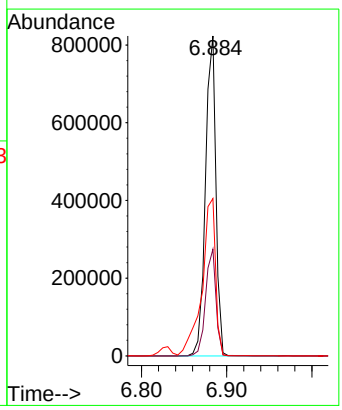
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

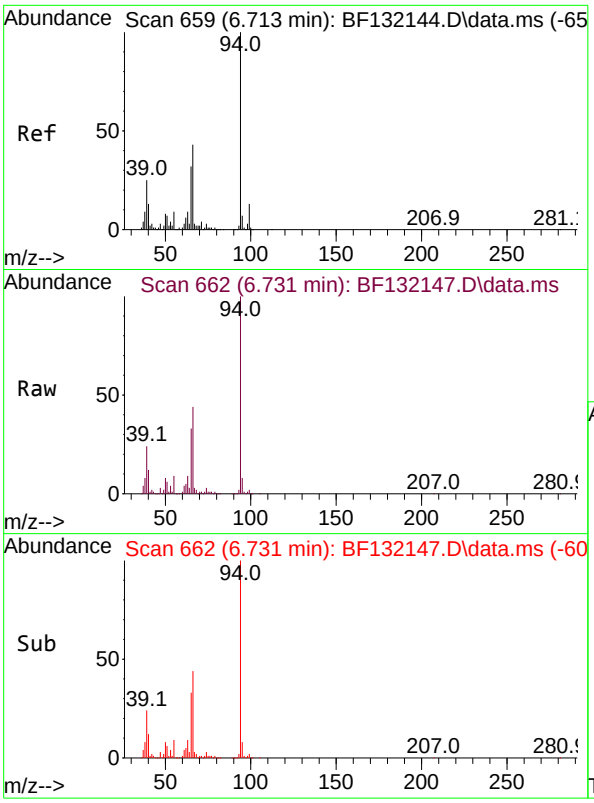


#8
2-Chlorophenol
Concen: 68.717 ng
RT: 6.884 min Scan# 688
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:128 Resp: 698627

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.8	52.8
64	49.2	34.8	74.8

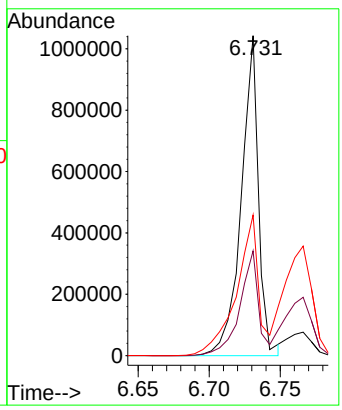




#10
Phenol
Concen: 69.479 ng
RT: 6.731 min Scan# 6
Delta R.T. 0.018 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 94 Resp: 88065

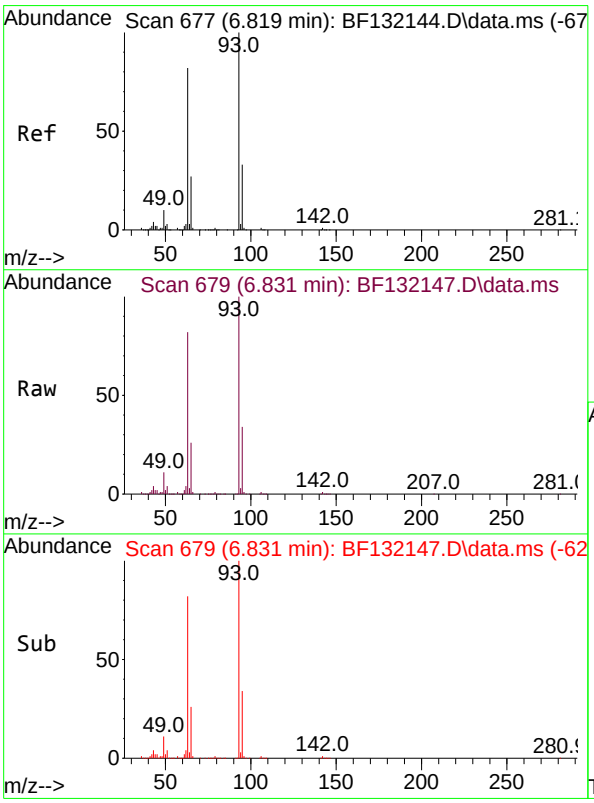
Ion	Ratio	Lower	Upper
94	100		
65	32.7	12.0	52.0
66	43.9	22.7	62.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

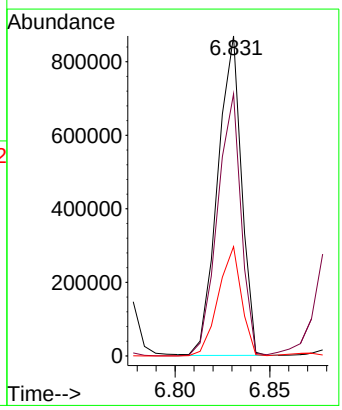
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

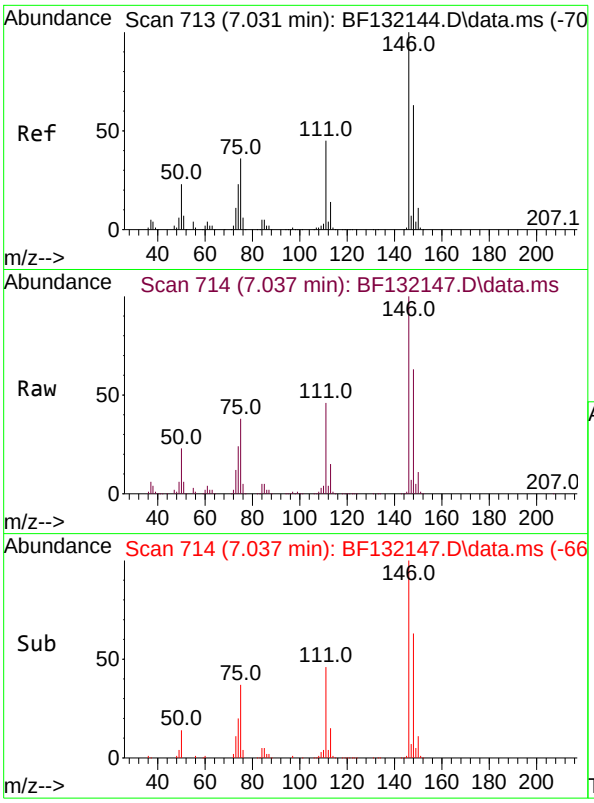


#11
bis(2-Chloroethyl)ether
Concen: 71.257 ng
RT: 6.831 min Scan# 679
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 93 Resp: 764597

Ion	Ratio	Lower	Upper
93	100		
63	81.9	61.6	101.6
95	34.1	12.7	52.7





#12
1,3-Dichlorobenzene
Concen: 69.800 ng
RT: 7.037 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

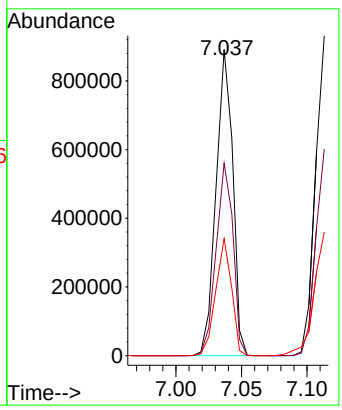
Tgt Ion:146 Resp: 79325

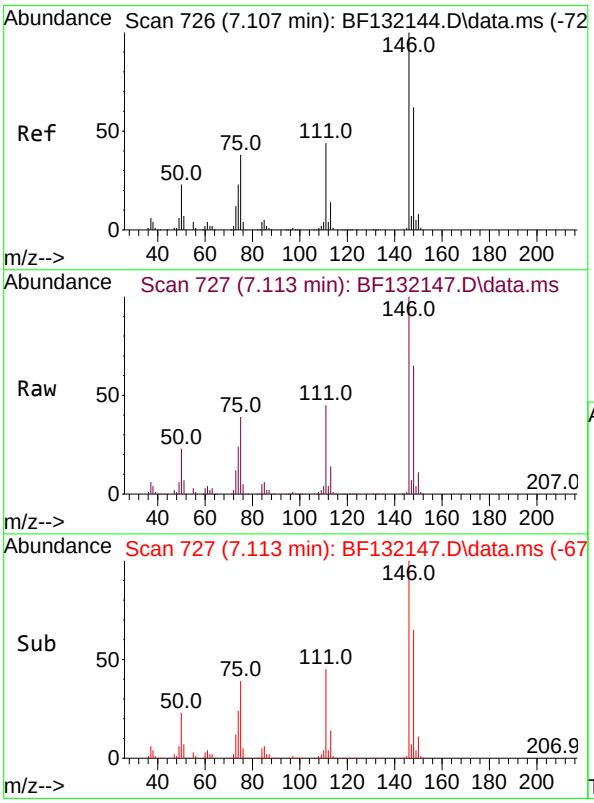
Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.0	75.0
75	38.2	28.8	43.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

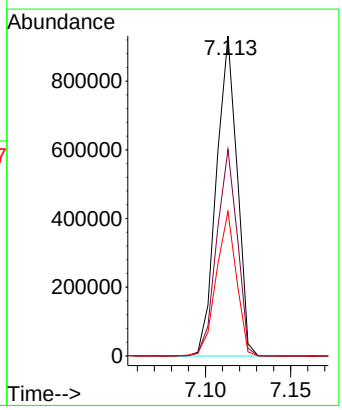


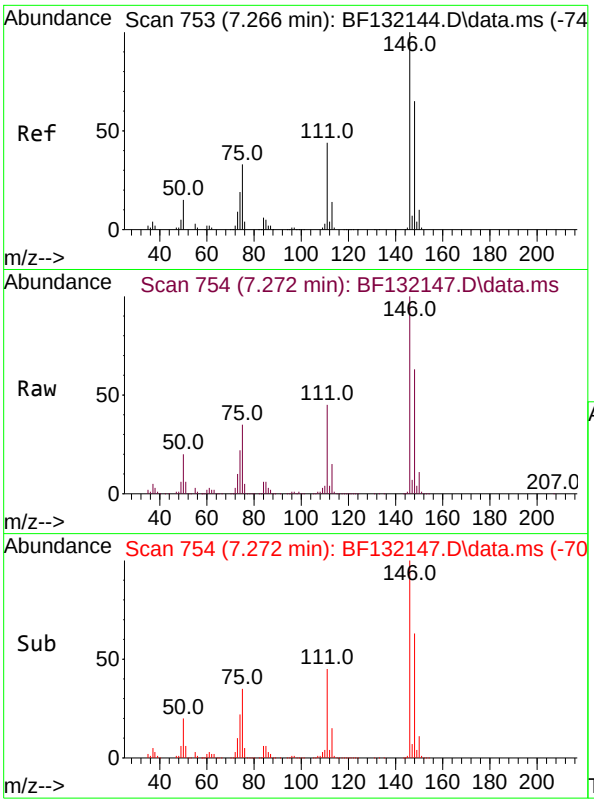


#13
1,4-Dichlorobenzene
Concen: 69.316 ng
RT: 7.113 min Scan# 727
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:146 Resp: 786058

Ion	Ratio	Lower	Upper
146	100		
148	64.5	49.9	74.9
111	45.1	35.2	52.8

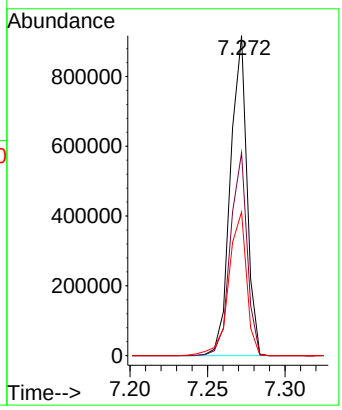




#14
1,2-Dichlorobenzene
Concen: 65.350 ng
RT: 7.272 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:146 Resp: 685248

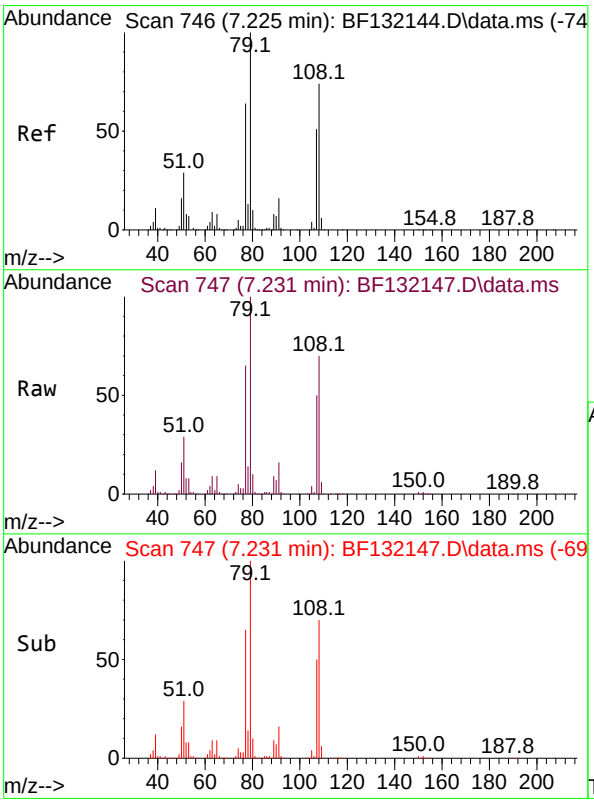
Ion	Ratio	Lower	Upper
146	100		
148	63.4	52.0	78.0
111	44.9	35.4	53.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

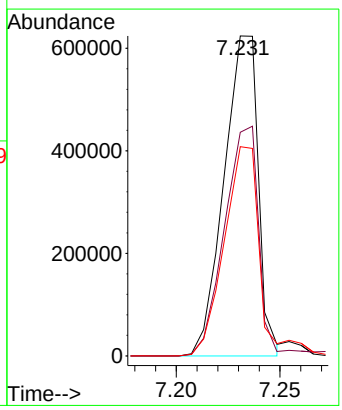
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

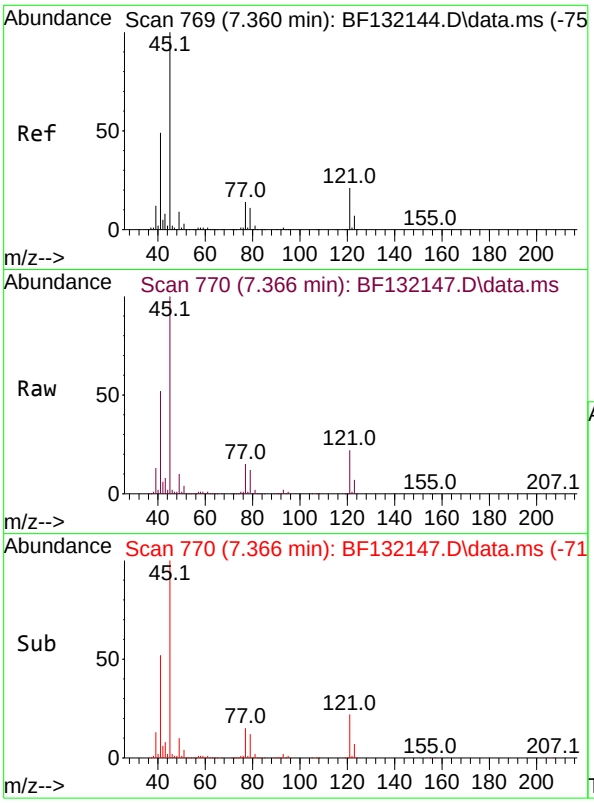


#15
Benzyl Alcohol
Concen: 75.895 ng m
RT: 7.231 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 79 Resp: 716458

Ion	Ratio	Lower	Upper
79	100		
108	69.9	58.9	88.3
77	65.4	51.1	76.7





#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.075 ng
RT: 7.366 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

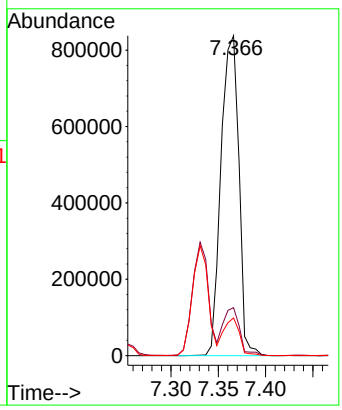
Tgt Ion: 45 Resp: 109282

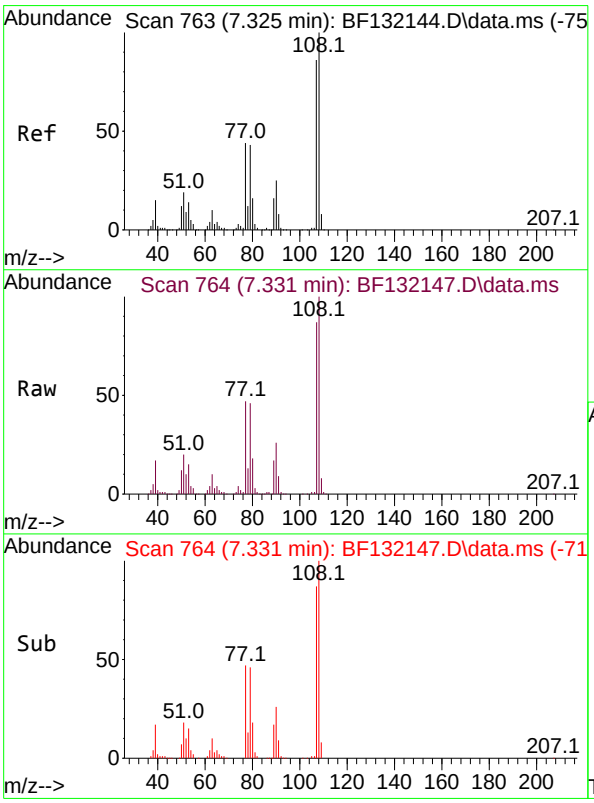
Ion	Ratio	Lower	Upper
45	100		
77	15.0	0.0	34.3
79	11.8	0.0	30.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

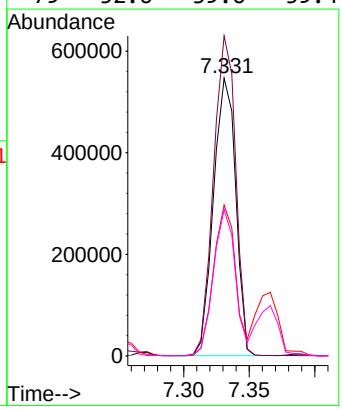


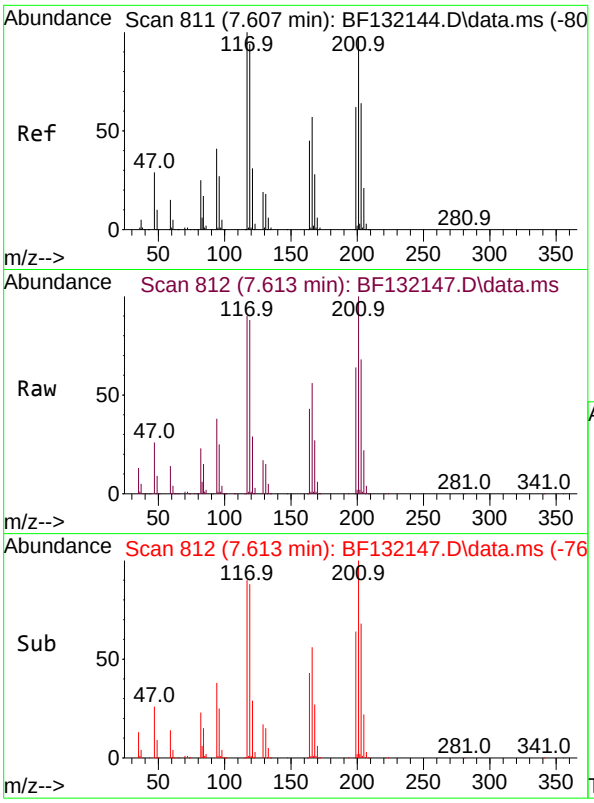


#17
2-Methylphenol
Concen: 72.498 ng
RT: 7.331 min Scan# 764
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:107 Resp: 645724

Ion	Ratio	Lower	Upper
107	100		
108	115.2	92.8	139.2
77	54.3	41.1	61.7
79	52.6	39.6	59.4

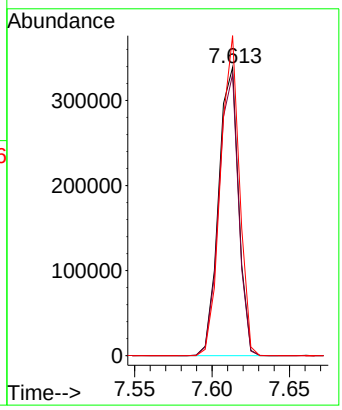




#18
Hexachloroethane
Concen: 74.517 ng
RT: 7.613 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:117 Resp: 303346

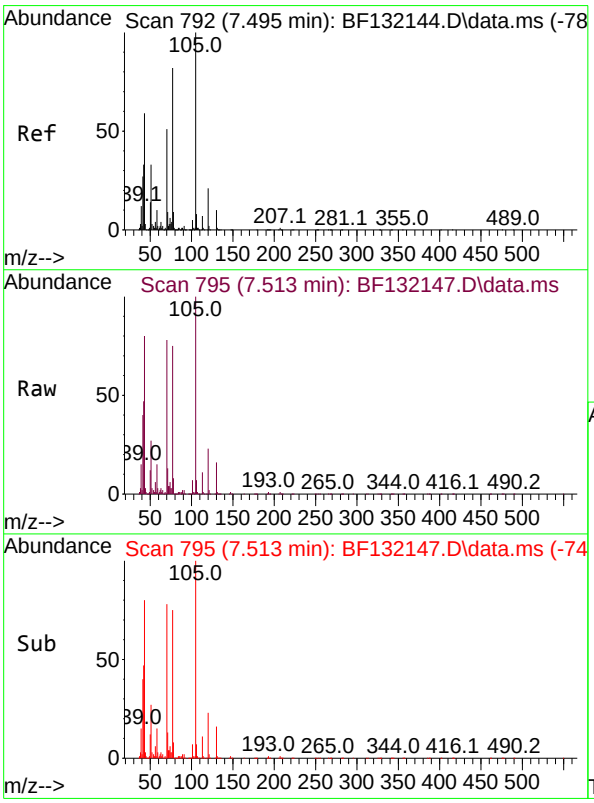
Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.4	113.0
201	111.0	77.9	116.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

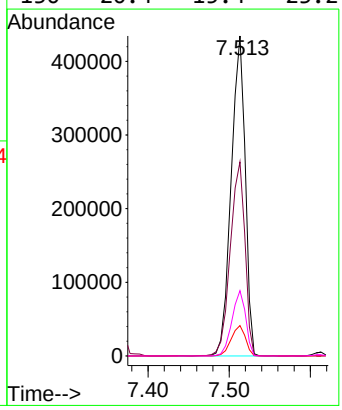
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

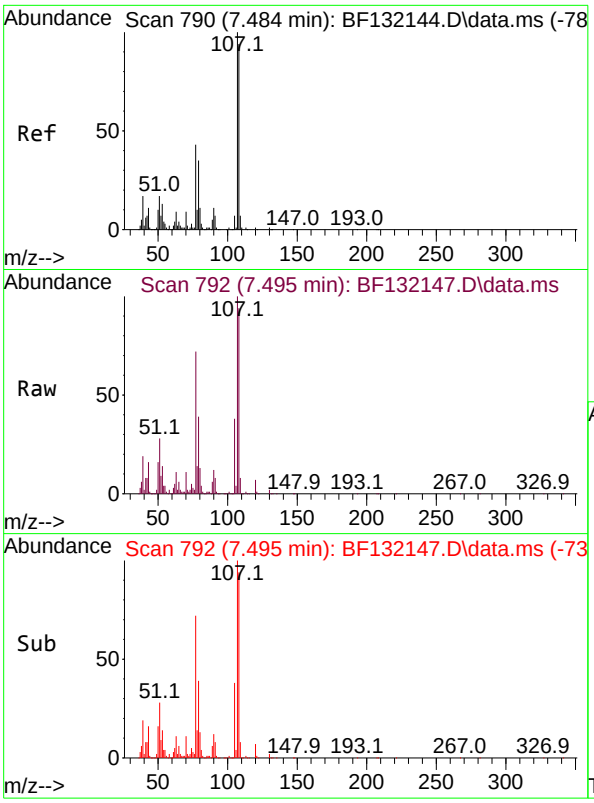


#19
n-Nitroso-di-n-propylamine
Concen: 70.293 ng
RT: 7.513 min Scan# 795
Delta R.T. 0.018 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 70 Resp: 524239

Ion	Ratio	Lower	Upper
70	100		
42	60.7	51.0	76.4
101	9.5	7.3	10.9
130	20.4	15.4	23.2

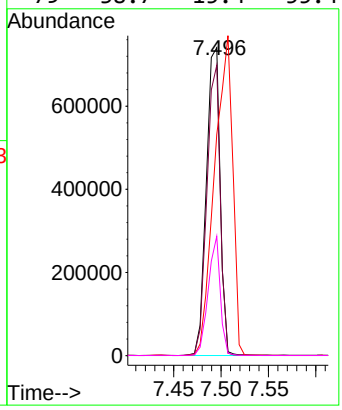




#20
3+4-Methylphenols
Concen: 67.382 ng
RT: 7.495 min Scan# 79
Delta R.T. 0.011 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:107 Resp: 75624

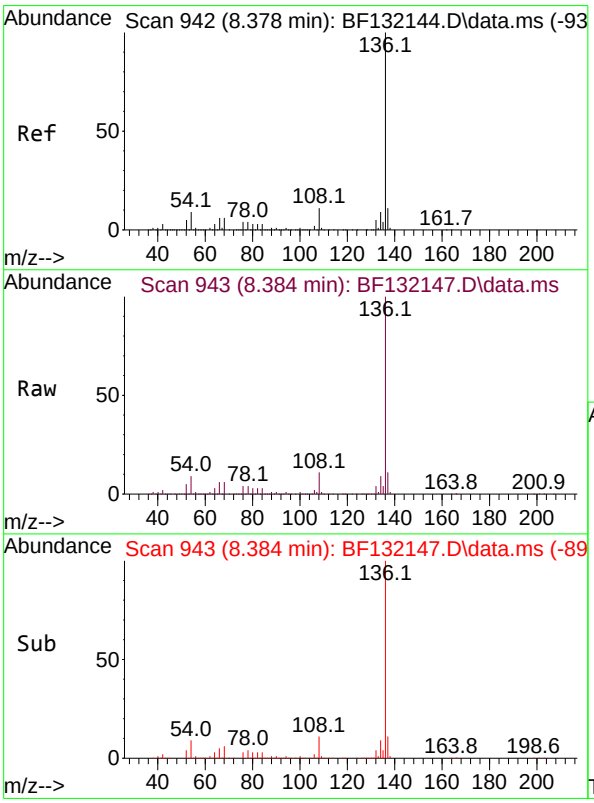
Ion	Ratio	Lower	Upper
107	100		
108	94.3	73.8	113.8
77	71.8	22.8	62.8#
79	38.7	15.4	55.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

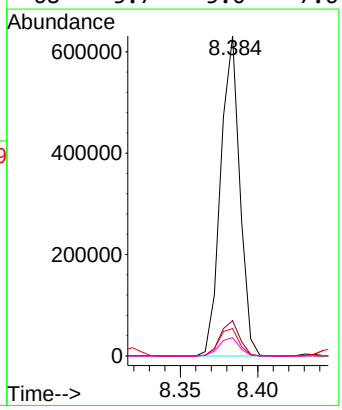
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

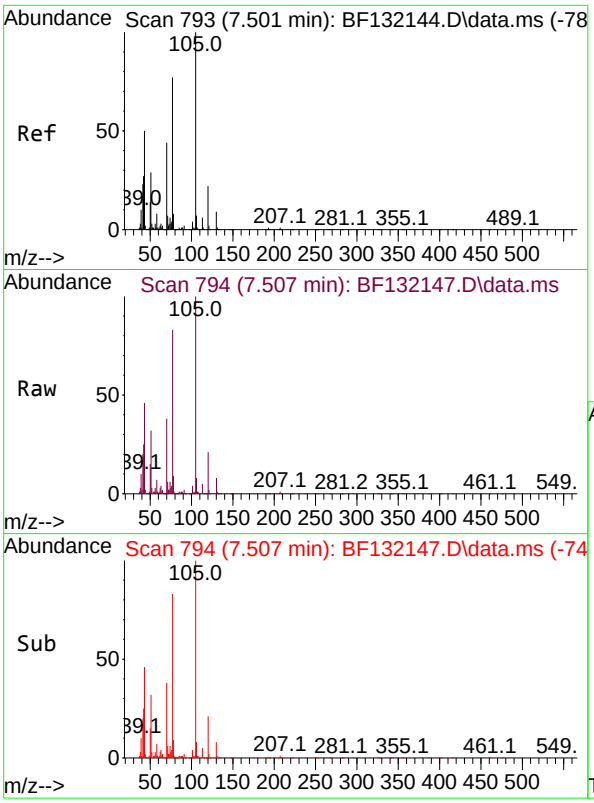


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.384 min Scan# 943
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:136 Resp: 540711

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.5	7.0	10.6
68	5.7	5.0	7.6

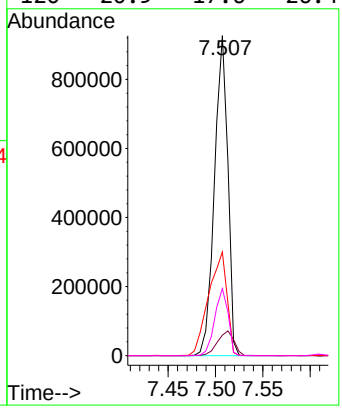




#22
Acetophenone
Concen: 69.811 ng
RT: 7.507 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:105 Resp: 90728

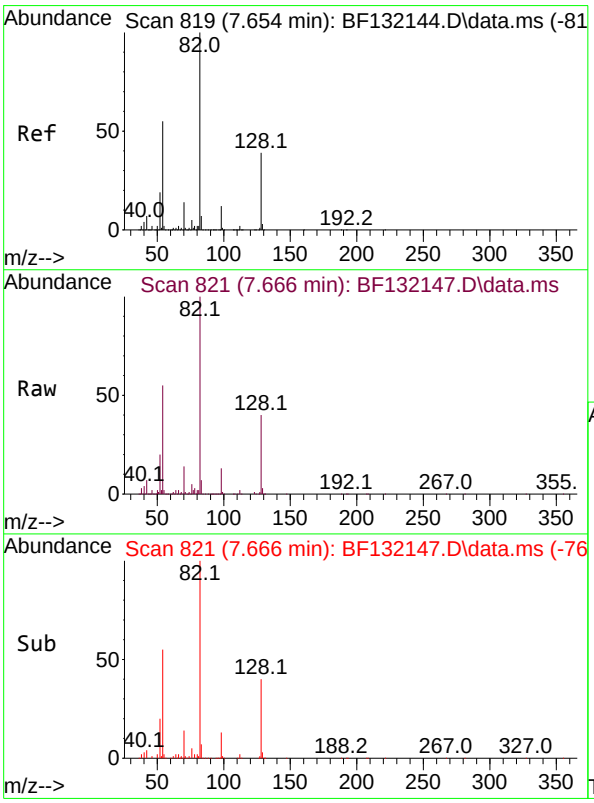
Ion	Ratio	Lower	Upper
105	100		
71	6.4	5.8	8.6
51	32.4	23.0	34.6
120	20.9	17.6	26.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

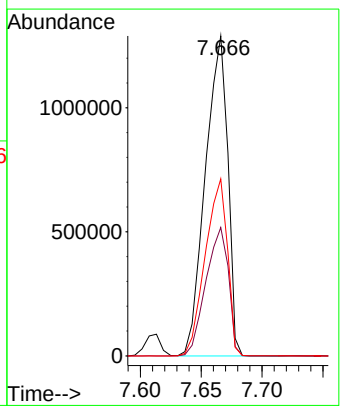
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

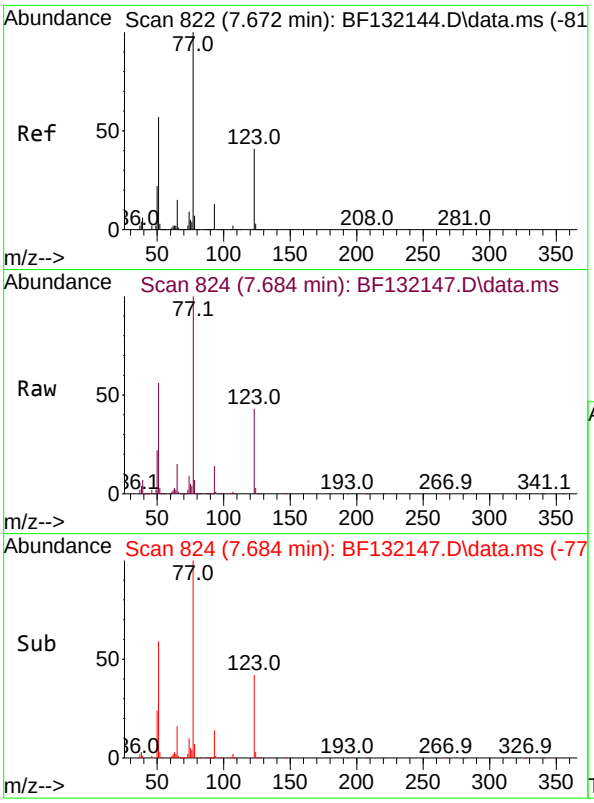


#23
Nitrobenzene-d5
Concen: 161.833 ng
RT: 7.666 min Scan# 821
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 82 Resp: 1647214

Ion	Ratio	Lower	Upper
82	100		
128	40.1	31.1	46.7
54	55.3	43.9	65.9





#24
Nitrobenzene
Concen: 78.554 ng
RT: 7.684 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

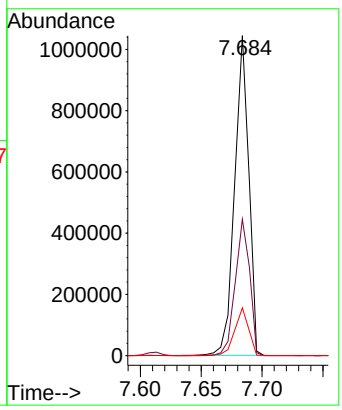
Tgt Ion: 77 Resp: 84656

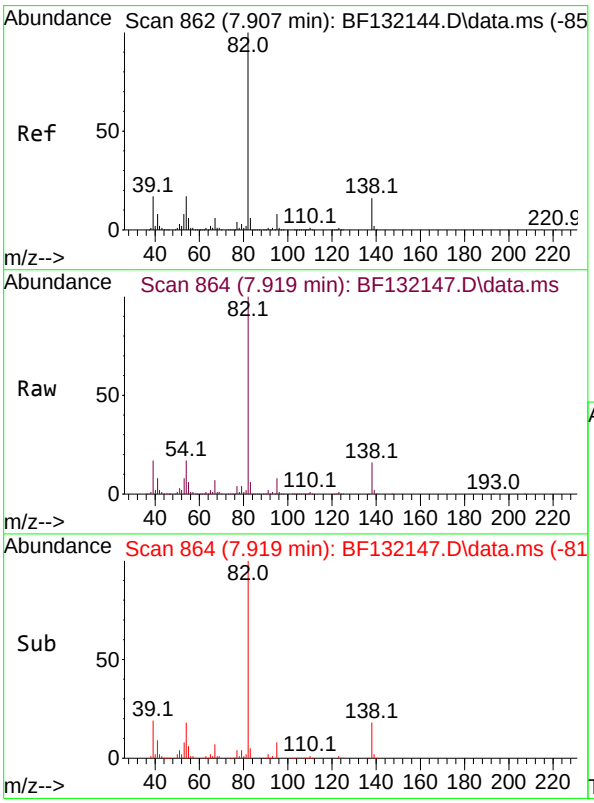
Ion	Ratio	Lower	Upper
77	100		
123	42.6	33.1	49.7
65	14.9	11.7	17.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

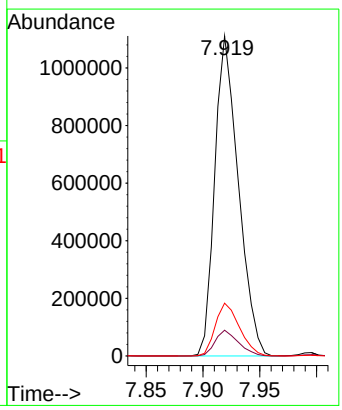


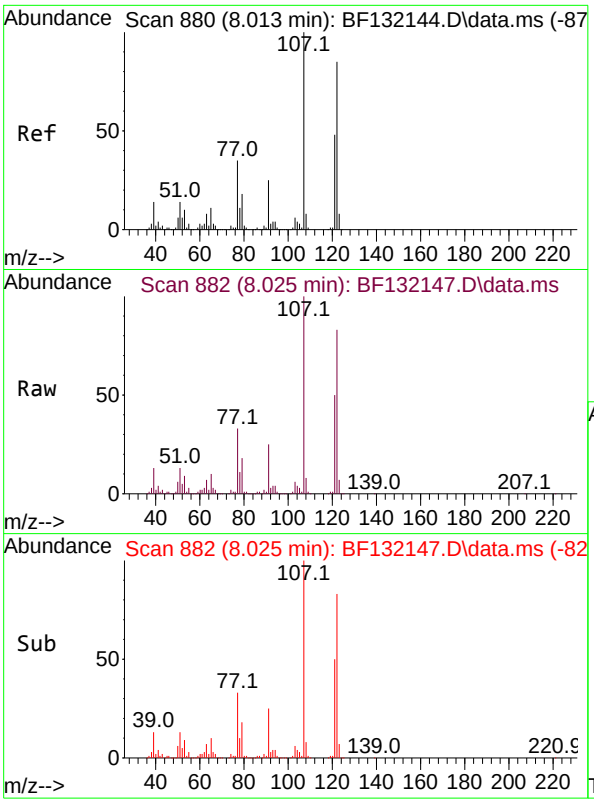


#25
Isophorone
Concen: 80.689 ng
RT: 7.919 min Scan# 864
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 82 Resp: 1606965

Ion	Ratio	Lower	Upper
82	100		
95	8.1	6.2	9.2
138	16.5	12.9	19.3

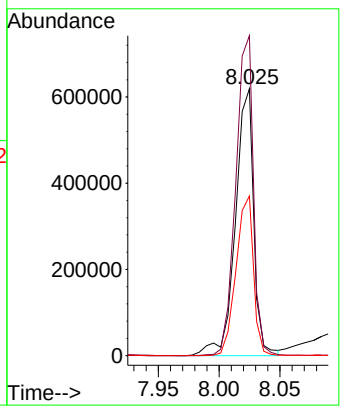




#27
2,4-Dimethylphenol
Concen: 75.362 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:122 Resp: 64944

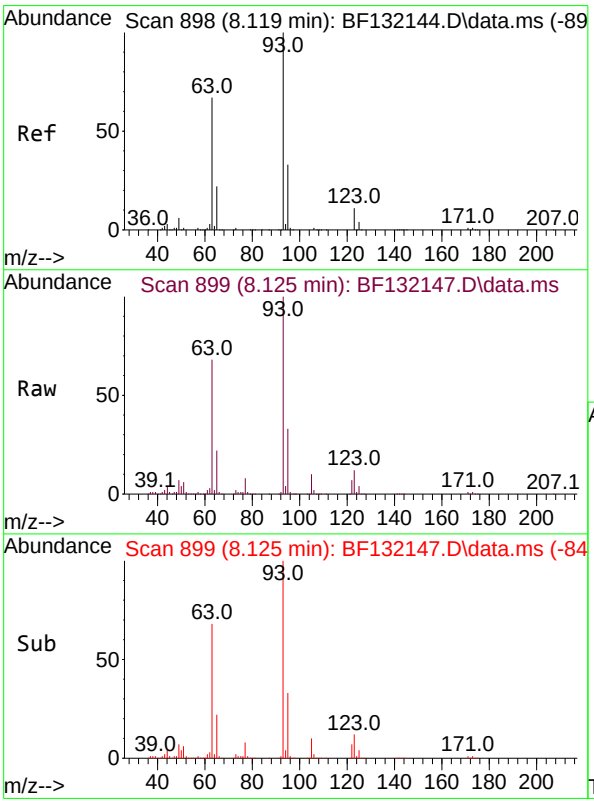
Ion	Ratio	Lower	Upper
122	100		
107	119.9	94.2	141.4
121	59.8	45.6	68.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

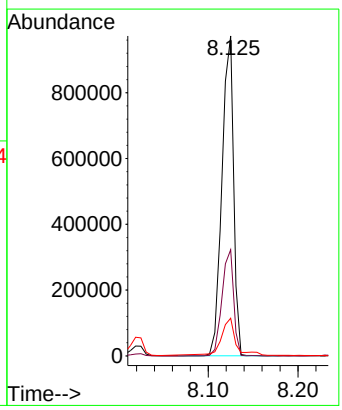
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

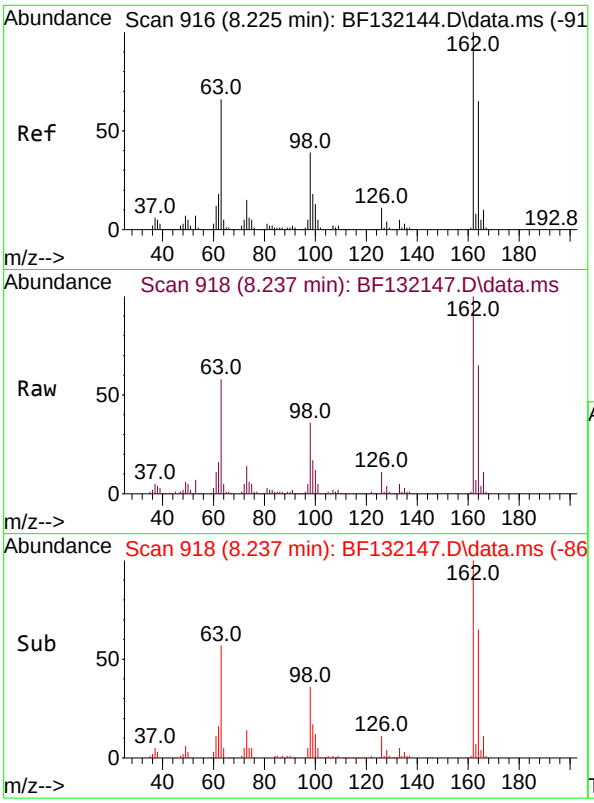


#28
bis(2-Chloroethoxy)methane
Concen: 73.492 ng
RT: 8.125 min Scan# 899
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 93 Resp: 878164

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.2	39.2
123	11.8	9.1	13.7





#29
2,4-Dichlorophenol
Concen: 78.180 ng
RT: 8.237 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

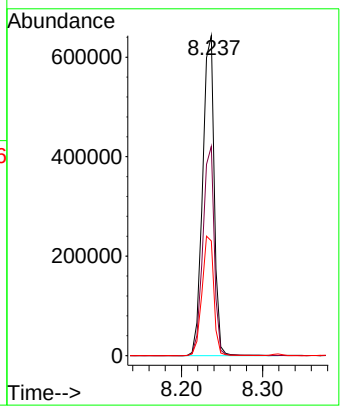
Tgt Ion:162 Resp: 63961

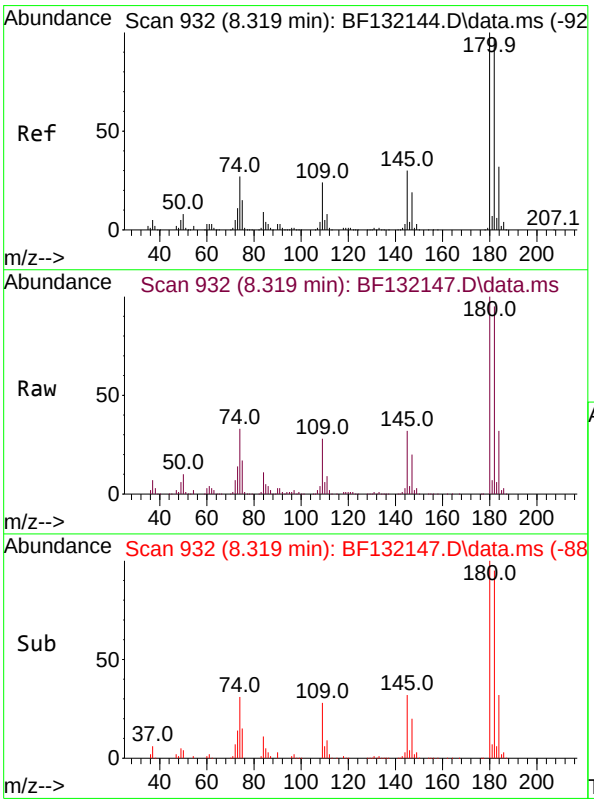
Ion	Ratio	Lower	Upper
162	100		
164	65.4	44.7	84.7
98	35.8	18.8	58.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

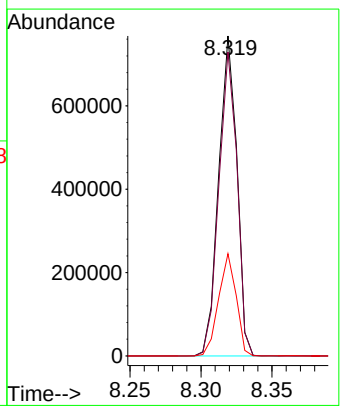


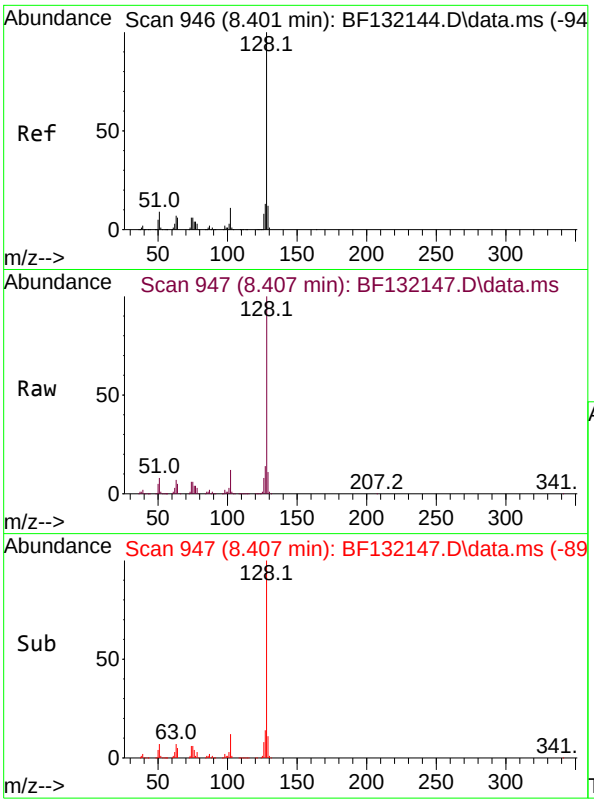


#30
1,2,4-Trichlorobenzene
Concen: 73.657 ng
RT: 8.319 min Scan# 932
Delta R.T. 0.000 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:180 Resp: 684460

Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.4	116.0
145	31.9	23.8	35.6

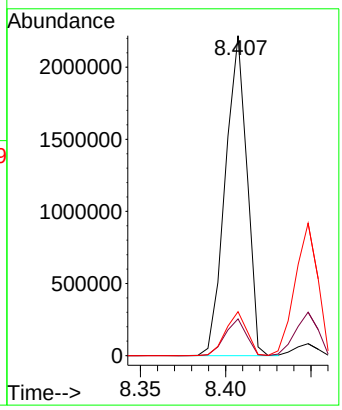




#31
Naphthalene
Concen: 70.623 ng
RT: 8.407 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:128 Resp: 196117

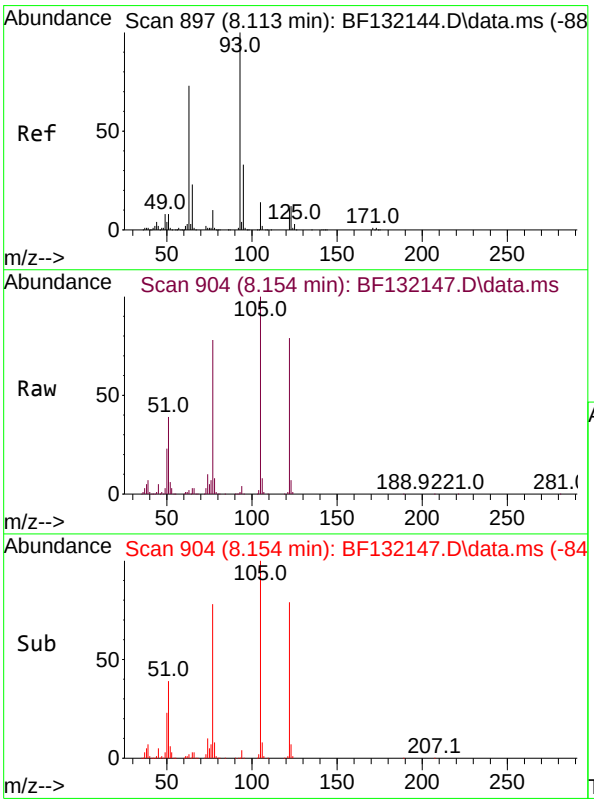
Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.3	13.9
127	13.7	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

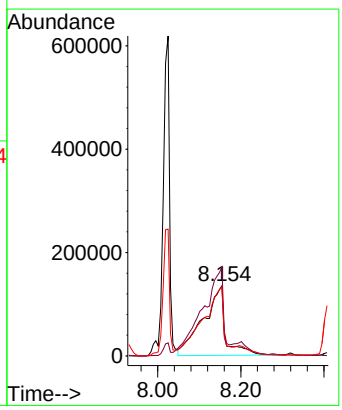
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

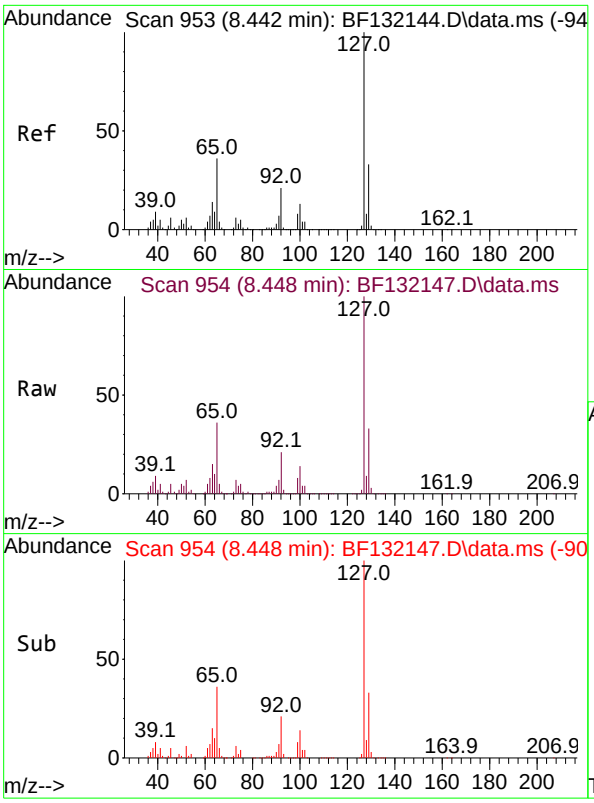


#32
Benzoic acid
Concen: 100.343 ng
RT: 8.154 min Scan# 904
Delta R.T. 0.041 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:122 Resp: 507604

Ion	Ratio	Lower	Upper
122	100		
105	126.7	96.8	136.8
77	98.5	72.5	112.5

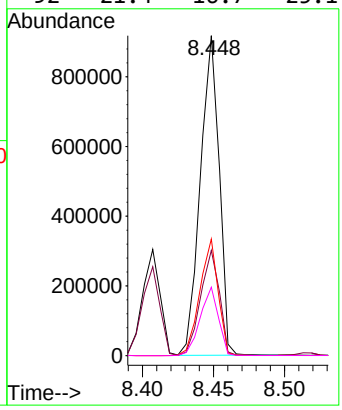




#33
4-Chloroaniline
Concen: 71.044 ng
RT: 8.448 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:127 Resp: 84427

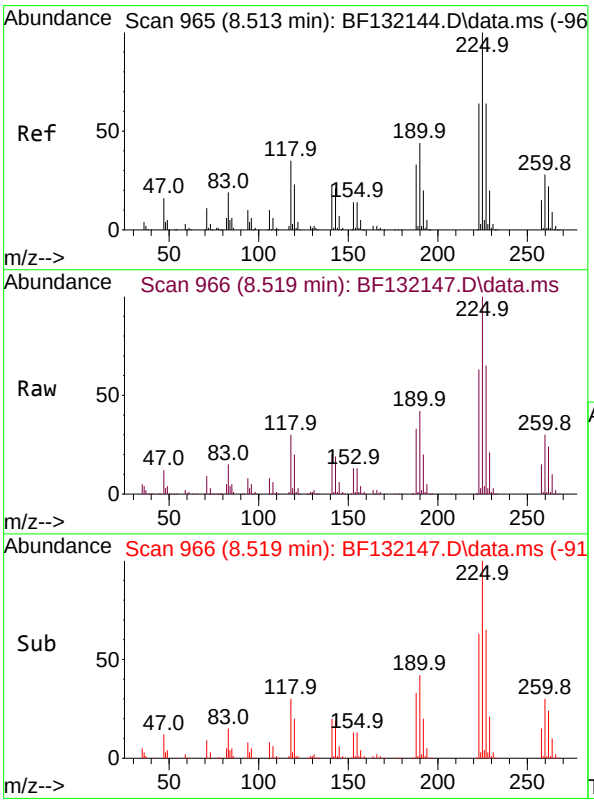
Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.0	39.0
65	36.4	28.4	42.6
92	21.4	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

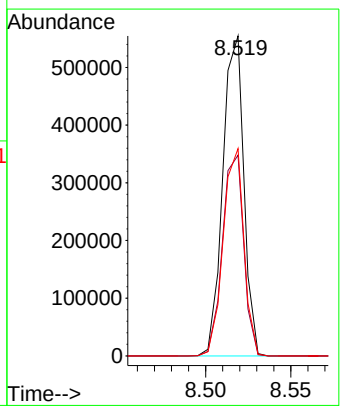
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

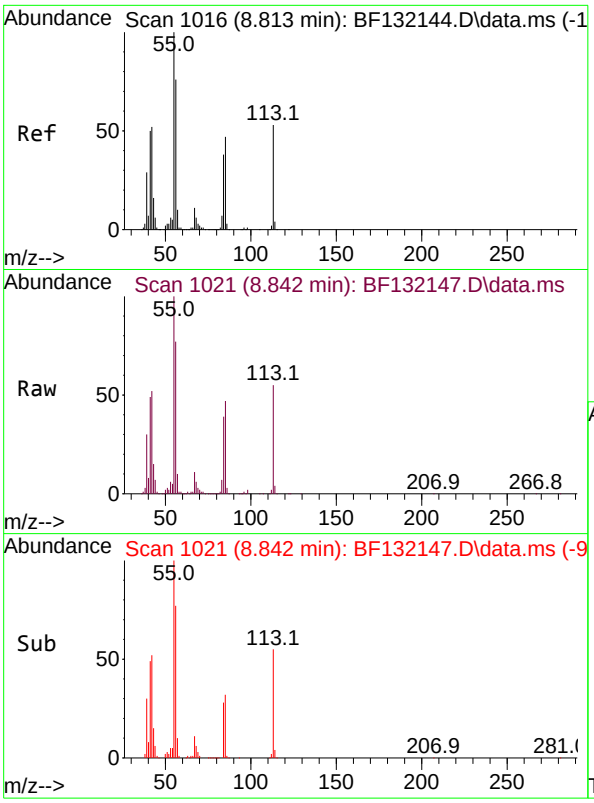


#34
Hexachlorobutadiene
Concen: 76.195 ng
RT: 8.519 min Scan# 966
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:225 Resp: 475647

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.9	76.3
227	64.8	50.8	76.2





#35
Caprolactam
Concen: 82.915 ng
RT: 8.842 min Scan# 10
Delta R.T. 0.030 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

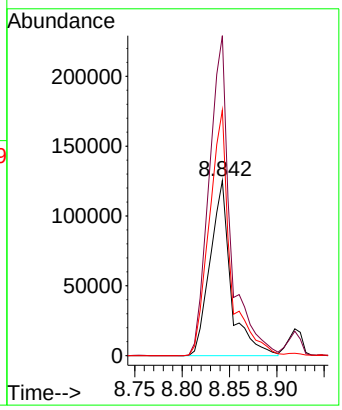
Tgt Ion:113 Resp: 19201

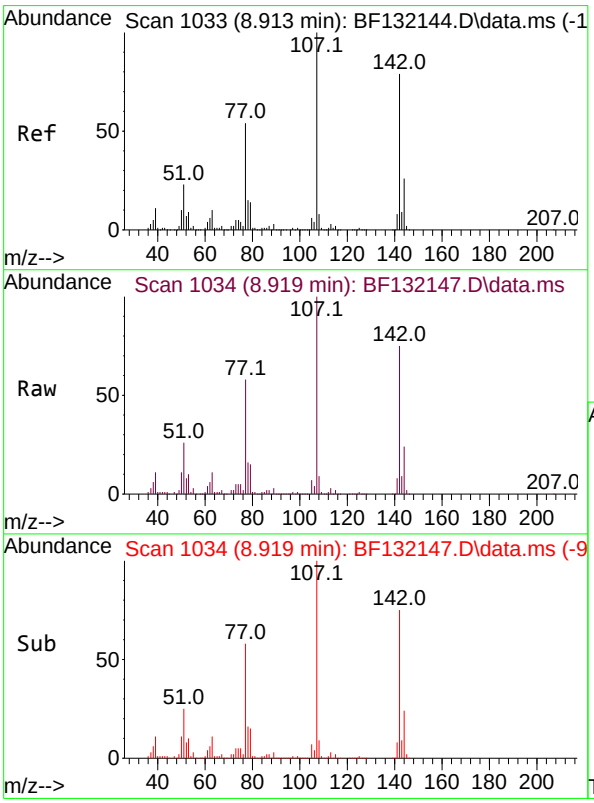
Ion	Ratio	Lower	Upper
113	100		
55	182.8	167.5	207.5
56	140.2	122.0	162.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

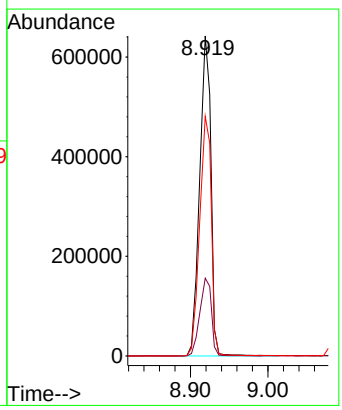


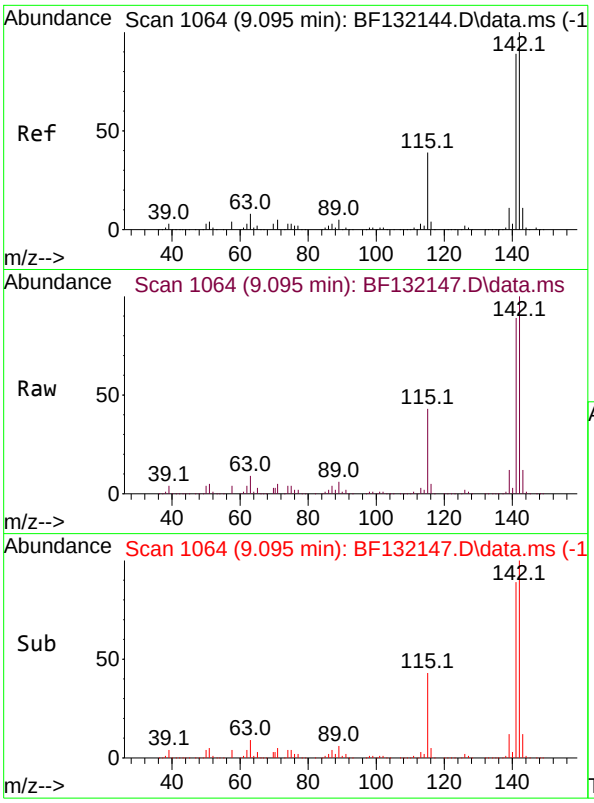


#36
4-Chloro-3-methylphenol
Concen: 78.410 ng
RT: 8.919 min Scan# 1034
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:107 Resp: 645563

Ion	Ratio	Lower	Upper
107	100		
144	24.3	21.0	31.4
142	74.9	63.6	95.4

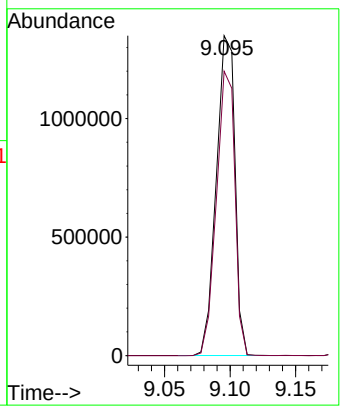




#37
2-Methylnaphthalene
Concen: 69.998 ng
RT: 9.095 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:142 Resp: 133830

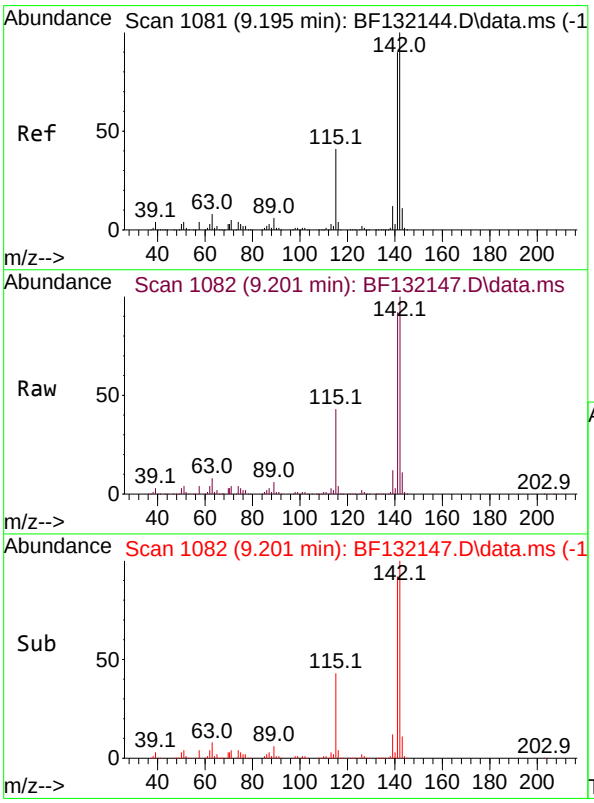
Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

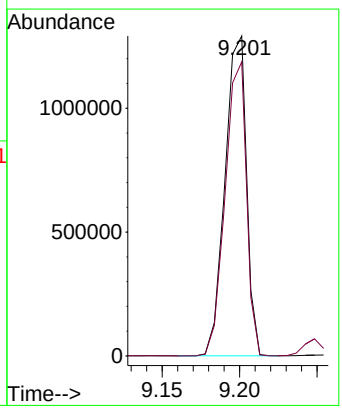
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

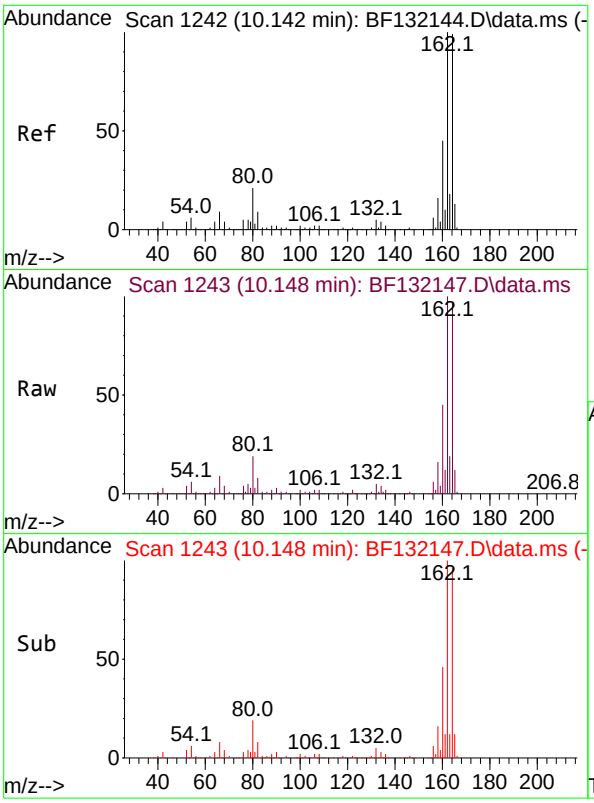


#38
1-Methylnaphthalene
Concen: 70.174 ng
RT: 9.201 min Scan# 1082
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:142 Resp: 1248378

Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.1	108.1

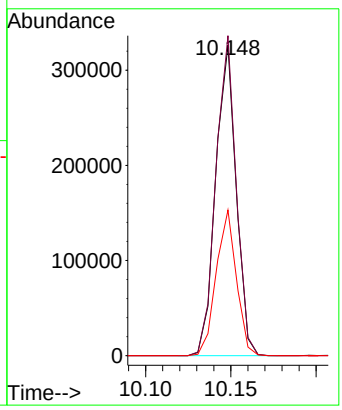




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.148 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:164 Resp: 27261

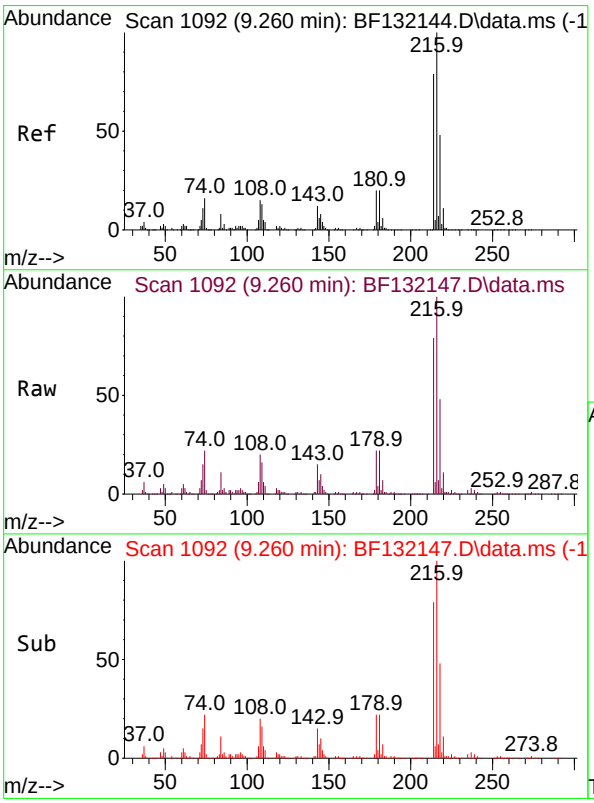
Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.2	121.8
160	46.9	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

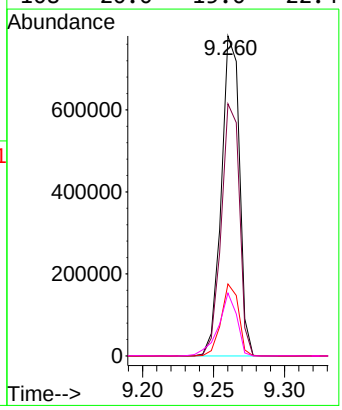
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

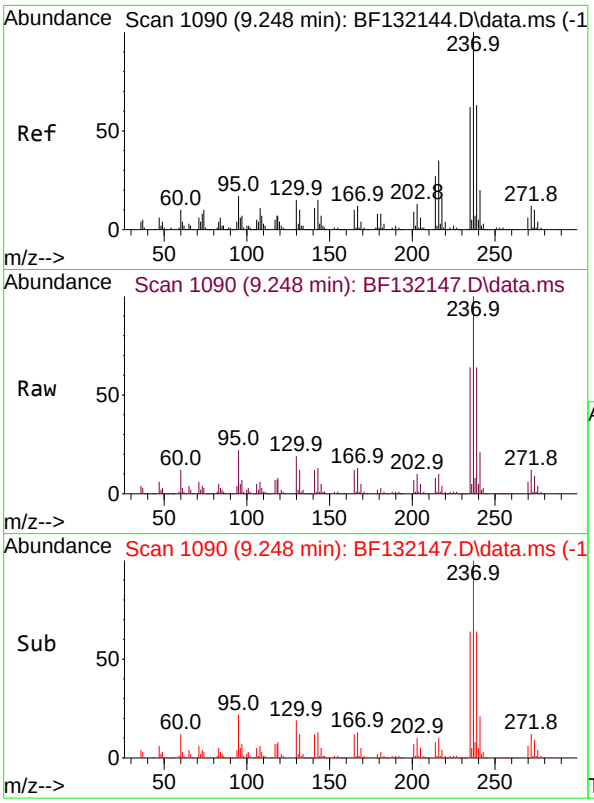


#40
1,2,4,5-Tetrachlorobenzene
Concen: 72.843 ng
RT: 9.260 min Scan# 1092
Delta R.T. 0.000 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:216 Resp: 690929

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.1	94.7
179	21.6	16.6	24.8
108	20.0	15.0	22.4





#41
Hexachlorocyclopentadiene
Concen: 90.225 ng
RT: 9.248 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

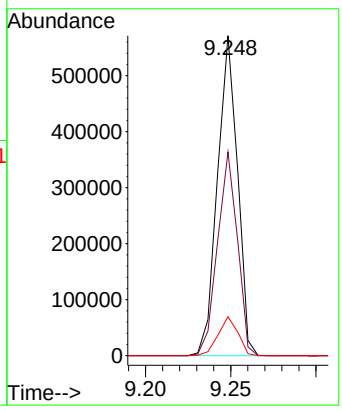
Tgt Ion:237 Resp: 46700

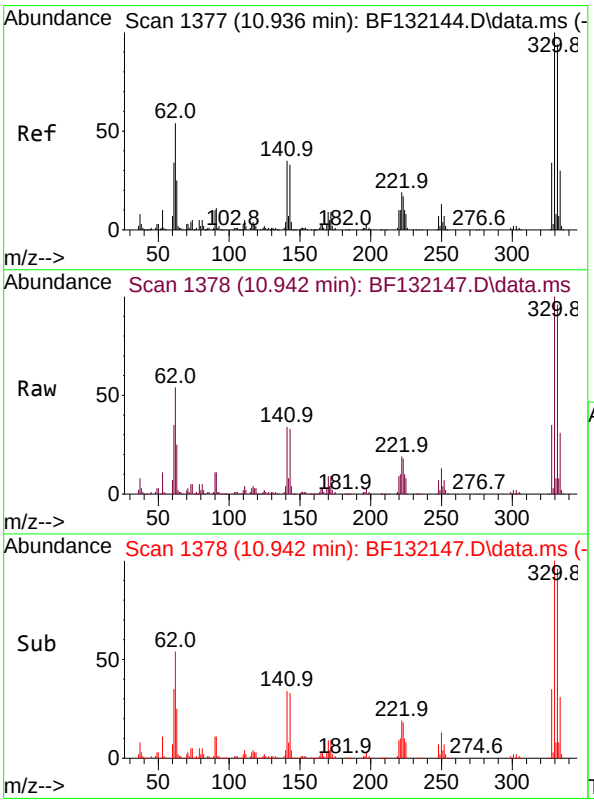
Ion	Ratio	Lower	Upper
237	100		
235	63.6	41.7	81.7
272	12.1	0.0	32.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

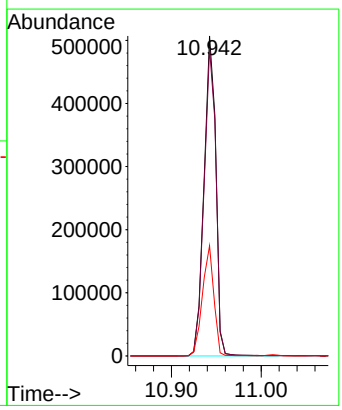


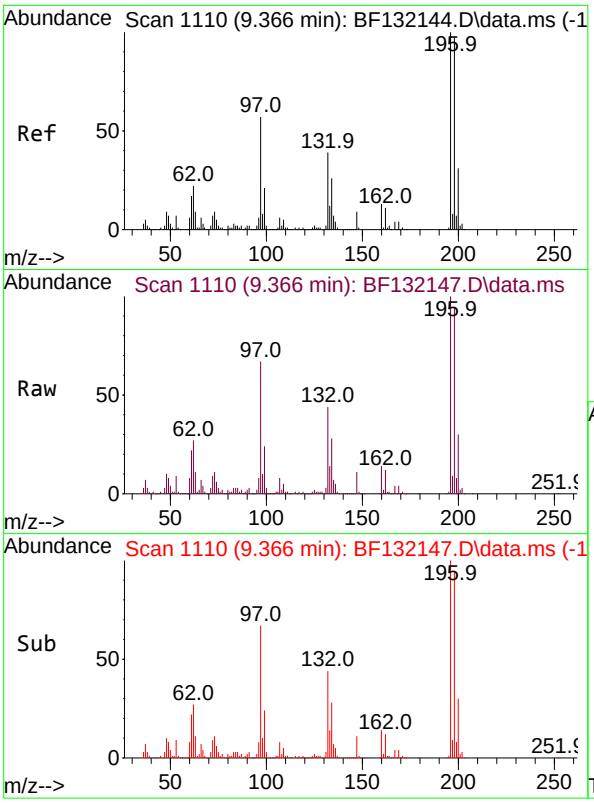


#42
2,4,6-Tribromophenol
Concen: 158.641 ng
RT: 10.942 min Scan# 1378
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:330 Resp: 461956

Ion	Ratio	Lower	Upper
330	100		
332	97.1	75.6	113.4
141	33.5	27.1	40.7

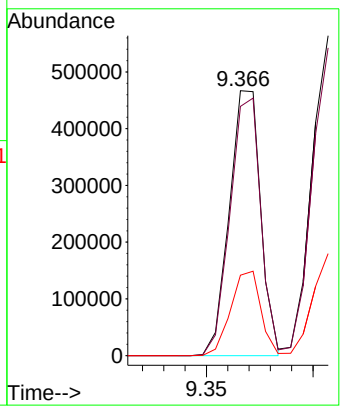




#43
2,4,6-Trichlorophenol
Concen: 80.773 ng
RT: 9.366 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:196 Resp: 47548

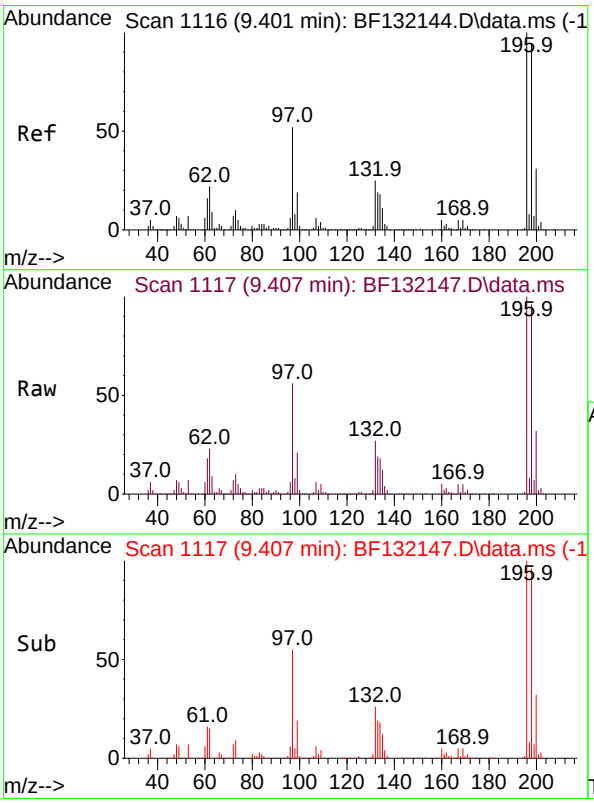
Ion	Ratio	Lower	Upper
196	100		
198	94.1	77.4	116.2
200	30.4	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

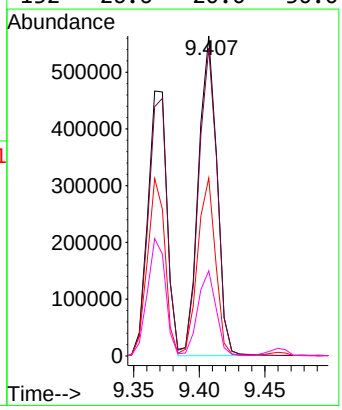
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

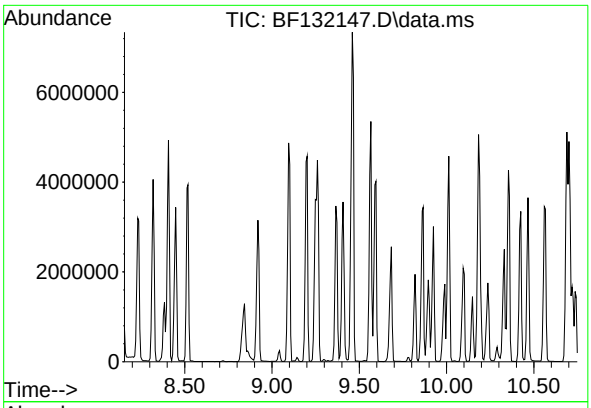


#44
2,4,5-Trichlorophenol
Concen: 79.755 ng
RT: 9.407 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:196 Resp: 549090

Ion	Ratio	Lower	Upper
196	100		
198	96.2	75.3	112.9
97	55.6	41.3	61.9
132	26.6	20.0	30.0





#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.45 min

Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

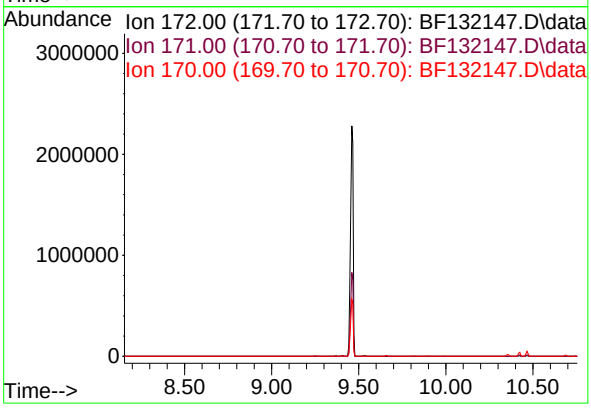
Tgt Ion: 172

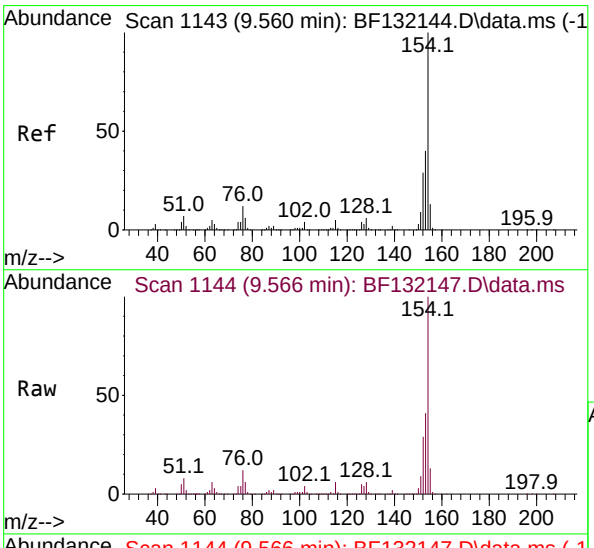
Sig	Exp Ratio
172	100
171	35.2
170	24.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

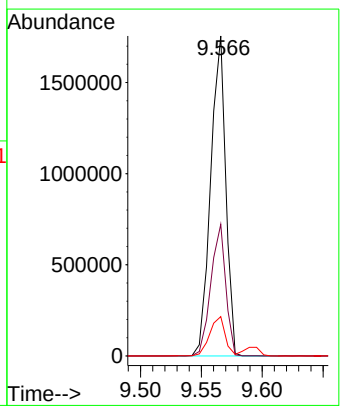


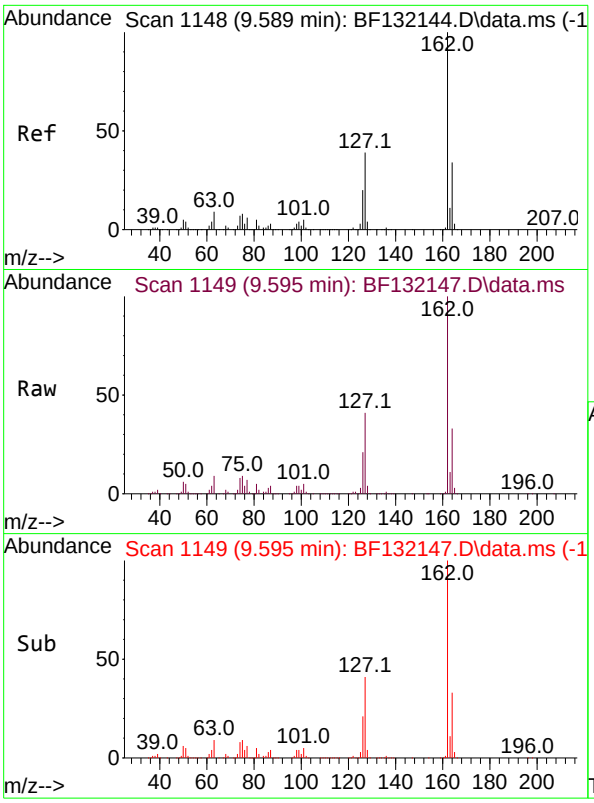


#46
1,1'-Biphenyl
Concen: 70.392 ng
RT: 9.566 min Scan# 1144
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:154 Resp: 1513966

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.2	60.2
76	12.3	0.0	32.2

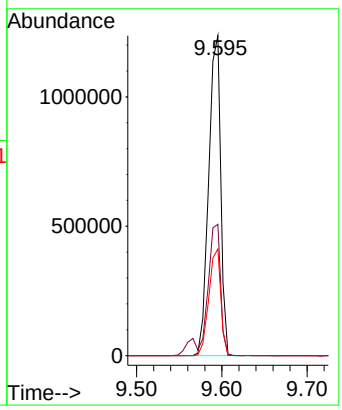




#47
2-Chloronaphthalene
Concen: 72.774 ng
RT: 9.595 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:162 Resp: 120994

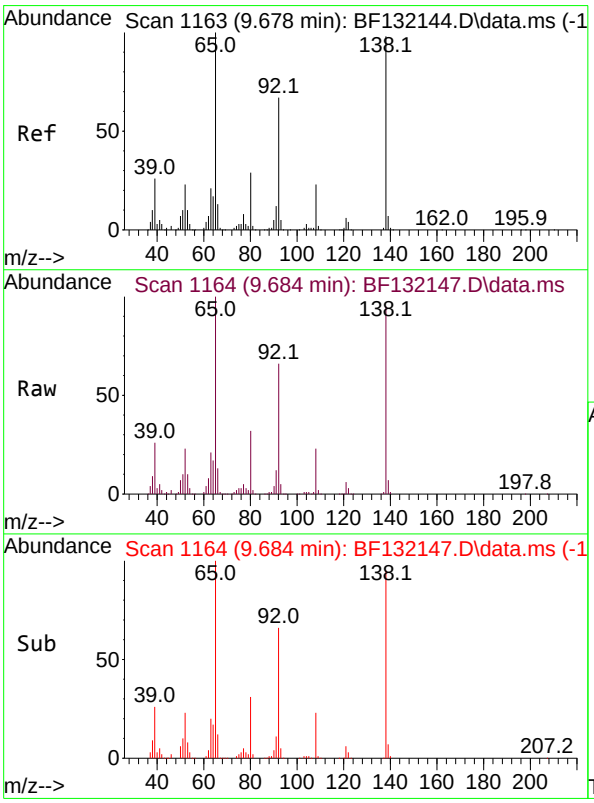
Ion	Ratio	Lower	Upper
162	100		
127	41.0	31.1	46.7
164	33.3	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

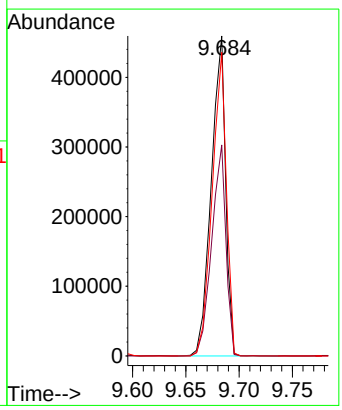
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

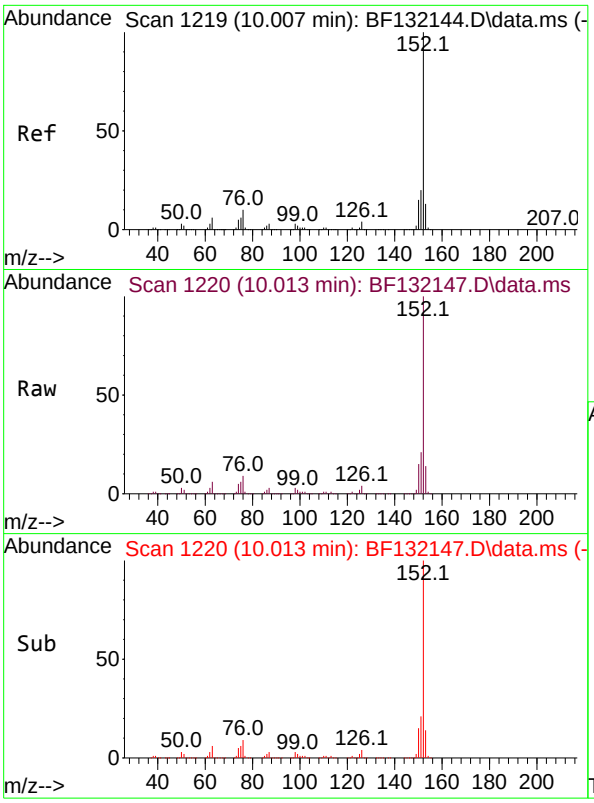


#48
2-Nitroaniline
Concen: 89.897 ng
RT: 9.684 min Scan# 1164
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 65 Resp: 430334

Ion	Ratio	Lower	Upper
65	100		
92	65.9	53.8	80.6
138	94.8	78.7	118.1

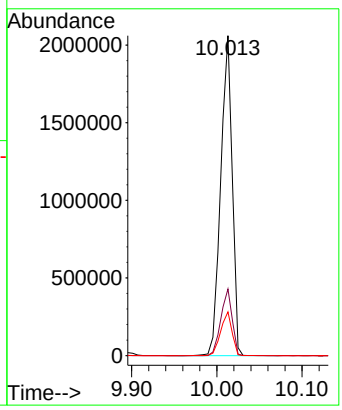




#49
Acenaphthylene
Concen: 72.591 ng
RT: 10.013 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:152 Resp: 193072

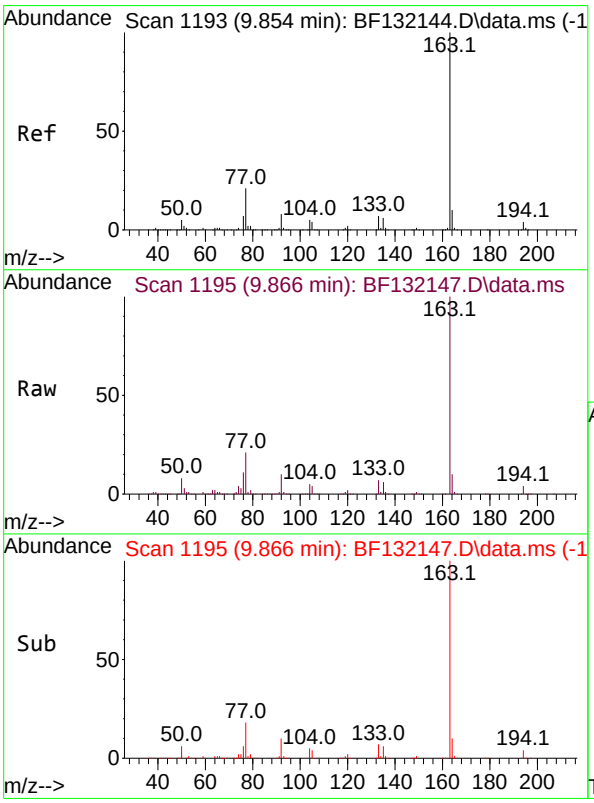
Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.4	24.6
153	13.7	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

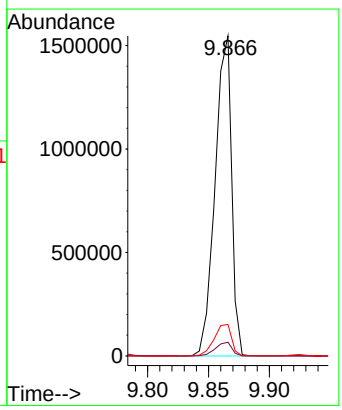
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

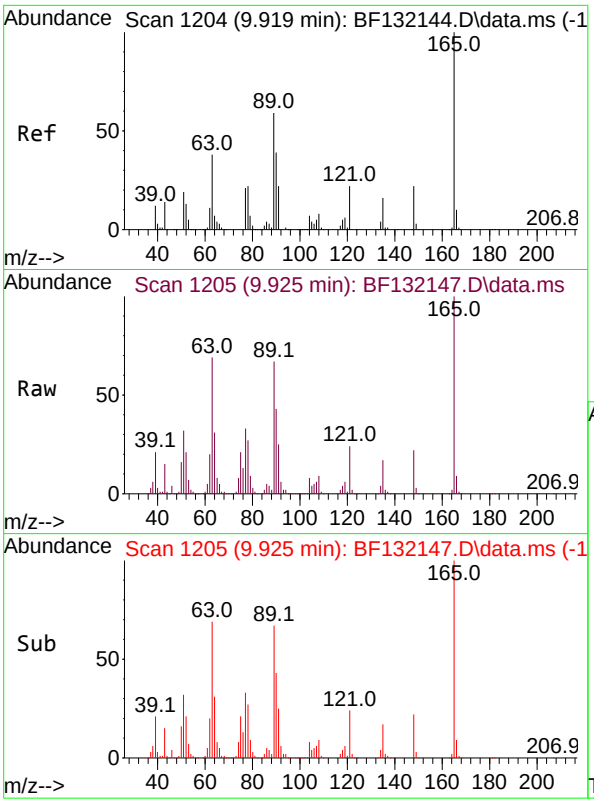


#50
Dimethylphthalate
Concen: 73.922 ng
RT: 9.866 min Scan# 1195
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:163 Resp: 1459554

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.1	4.7
164	9.8	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 84.311 ng
RT: 9.925 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

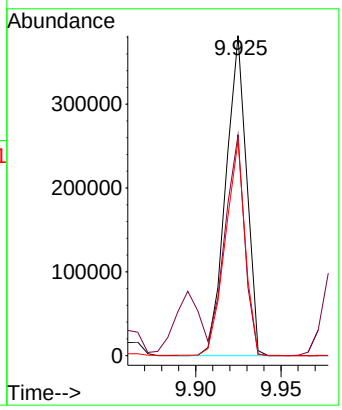
Tgt Ion:165 Resp: 32265

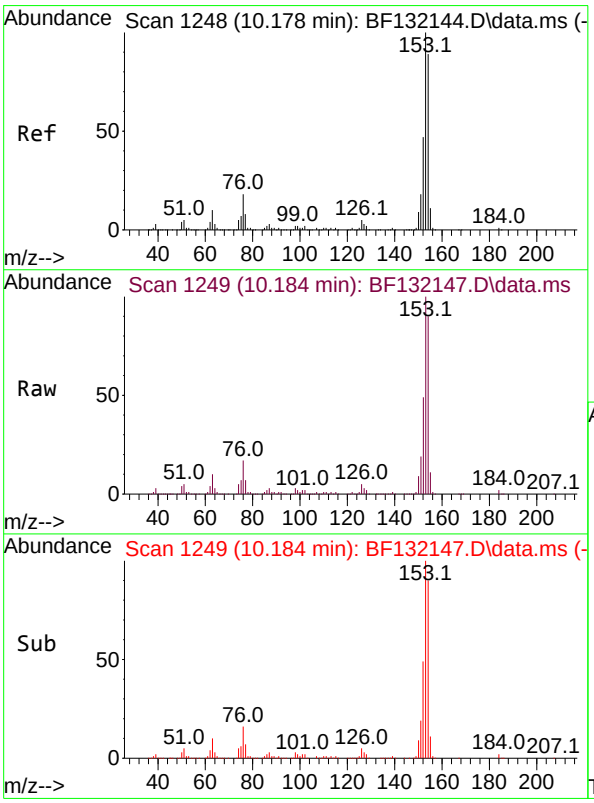
Ion	Ratio	Lower	Upper
165	100		
63	69.0	46.6	70.0
89	67.2	47.4	71.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

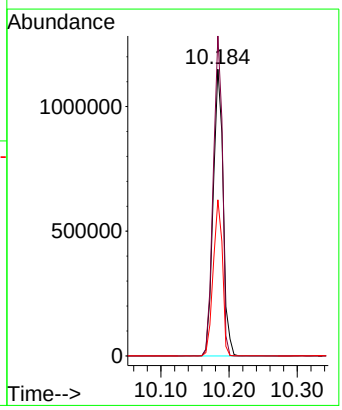


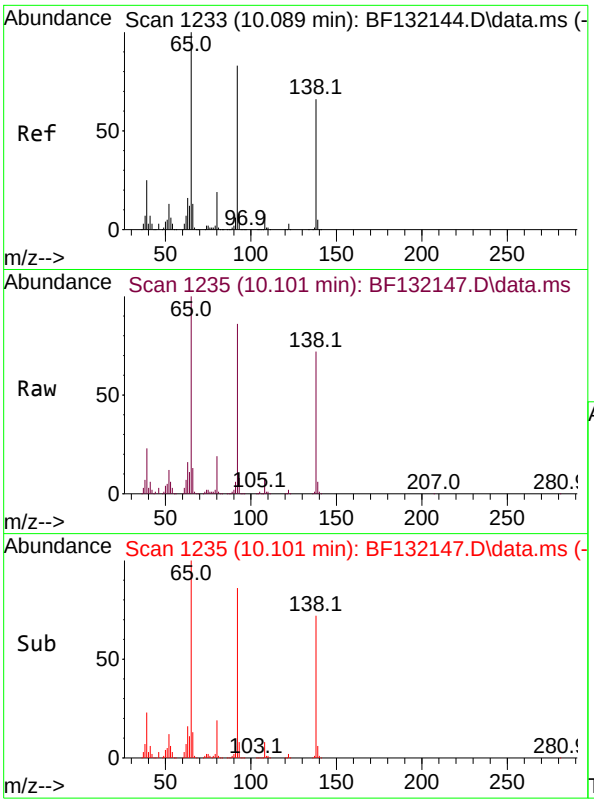


#52
Acenaphthene
Concen: 72.911 ng
RT: 10.184 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:154 Resp: 1166439

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.8	134.8
152	54.4	42.3	63.5

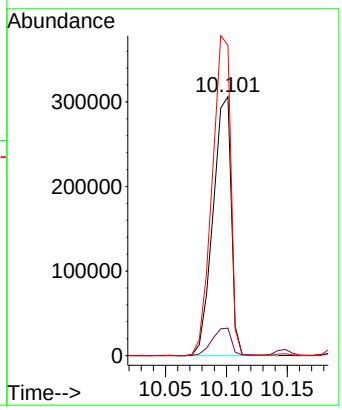




#53
3-Nitroaniline
Concen: 77.533 ng
RT: 10.101 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:138 Resp: 31723

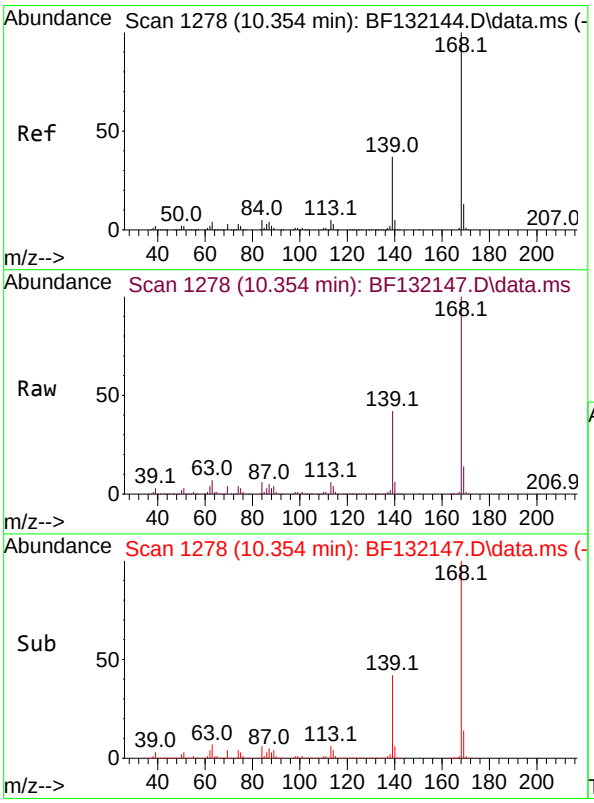
Ion	Ratio	Lower	Upper
138	100		
108	10.6	9.1	13.7
92	119.8	101.2	151.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

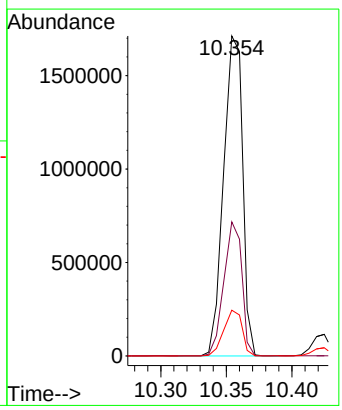
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

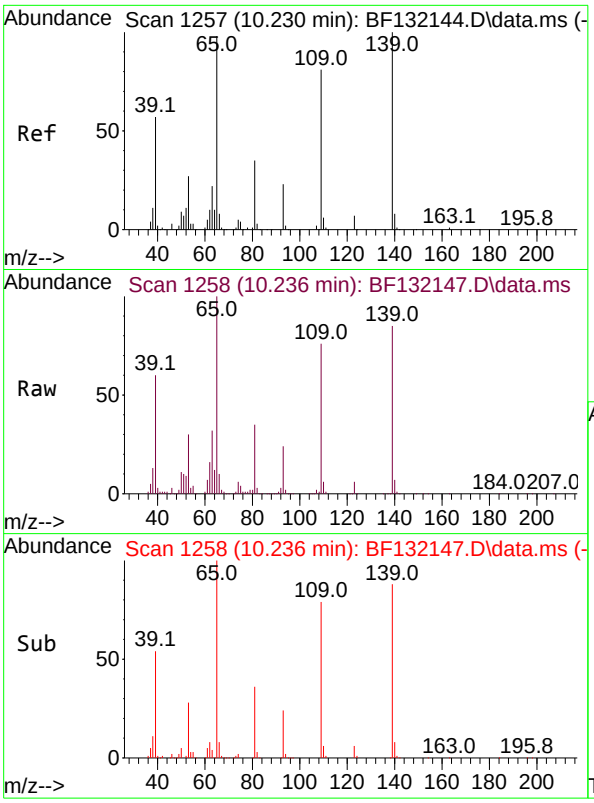


#55
Dibenzofuran
Concen: 70.318 ng
RT: 10.354 min Scan# 1278
Delta R.T. 0.000 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:168 Resp: 1738505

Ion	Ratio	Lower	Upper
168	100		
139	41.9	29.8	44.8
169	14.3	10.3	15.5





#56
4-Nitrophenol
Concen: 85.308 ng
RT: 10.236 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

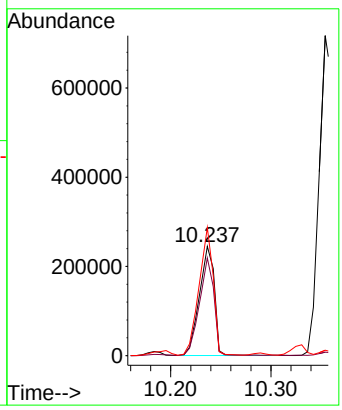
Tgt Ion:139 Resp: 25403

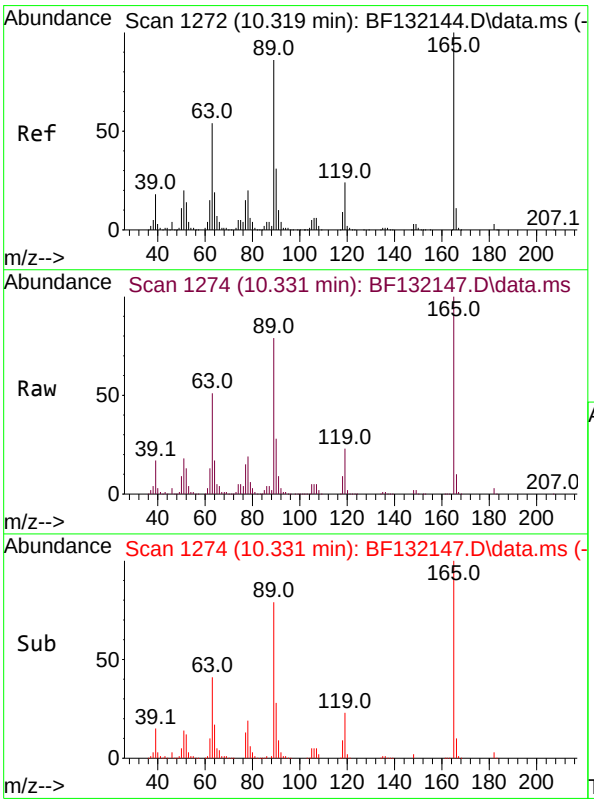
Ion	Ratio	Lower	Upper
139	100		
109	89.5	61.0	101.0
65	117.4	79.3	119.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

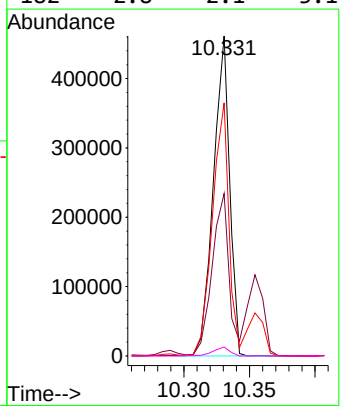


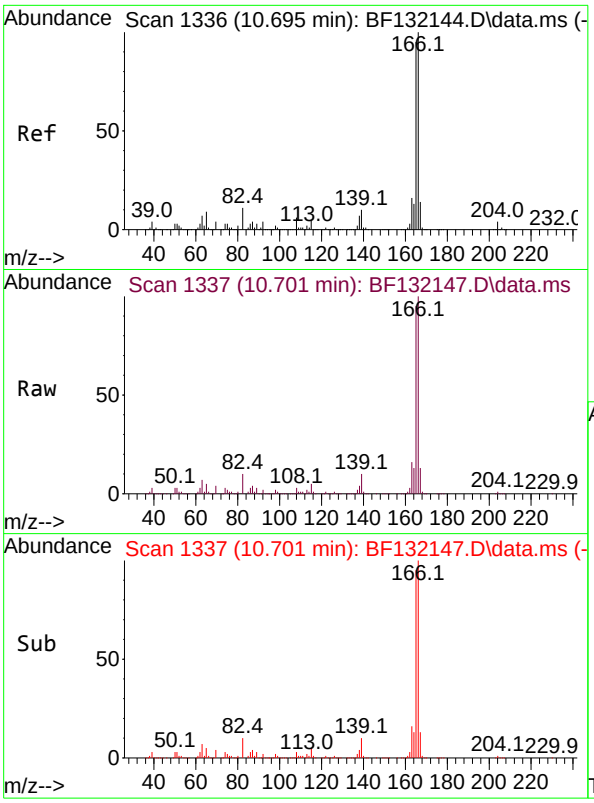


#57
2,4-Dinitrotoluene
Concen: 86.988 ng
RT: 10.331 min Scan# 1274
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:165 Resp: 399599

Ion	Ratio	Lower	Upper
165	100		
63	50.7	43.5	65.3
89	79.1	69.0	103.6
182	2.8	2.1	3.1

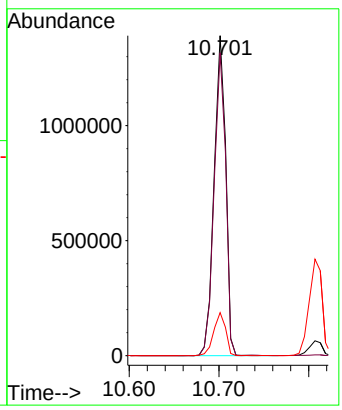




#58
Fluorene
Concen: 68.314 ng
RT: 10.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:166 Resp: 125147

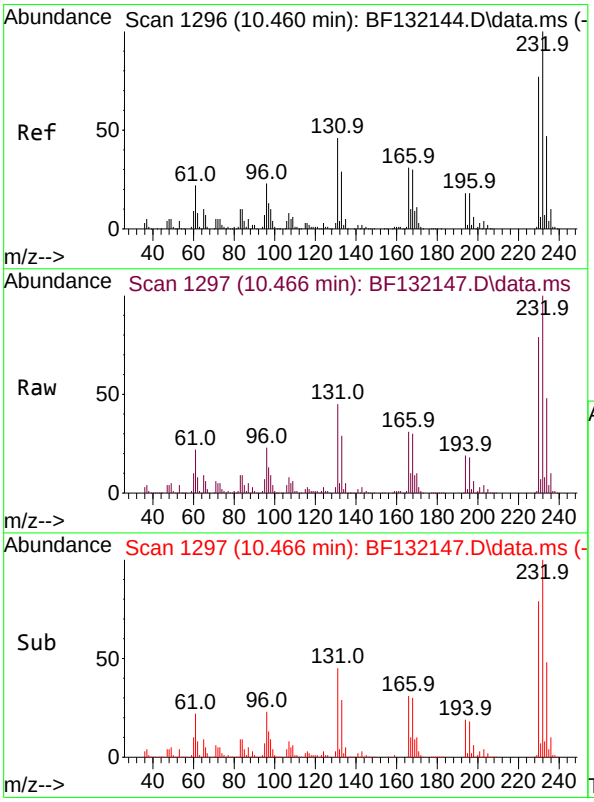
Ion	Ratio	Lower	Upper
166	100		
165	94.6	76.4	114.6
167	13.4	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

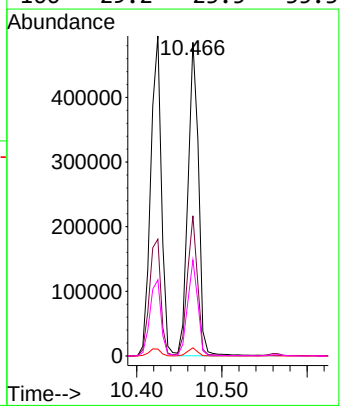
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

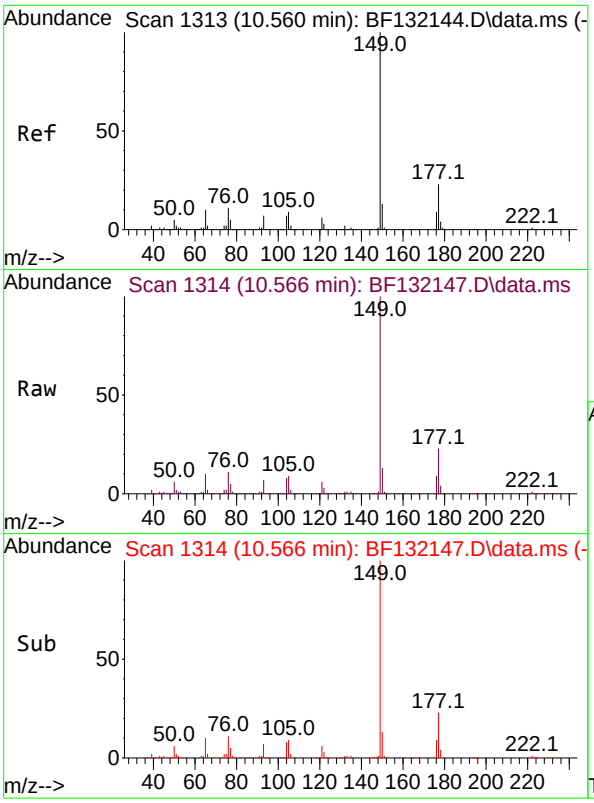


#59
2,3,4,6-Tetrachlorophenol
Concen: 79.496 ng
RT: 10.466 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:232 Resp: 416329

Ion	Ratio	Lower	Upper
232	100		
131	43.0	33.8	50.6
130	2.4	1.9	2.9
166	29.2	23.5	35.3

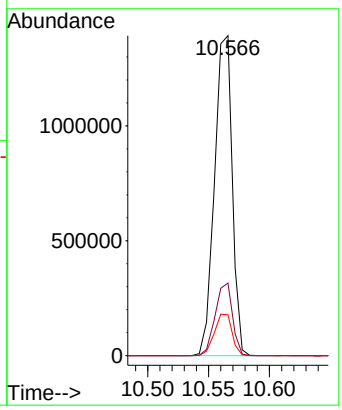




#60
Diethylphthalate
Concen: 72.993 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:149 Resp: 141331

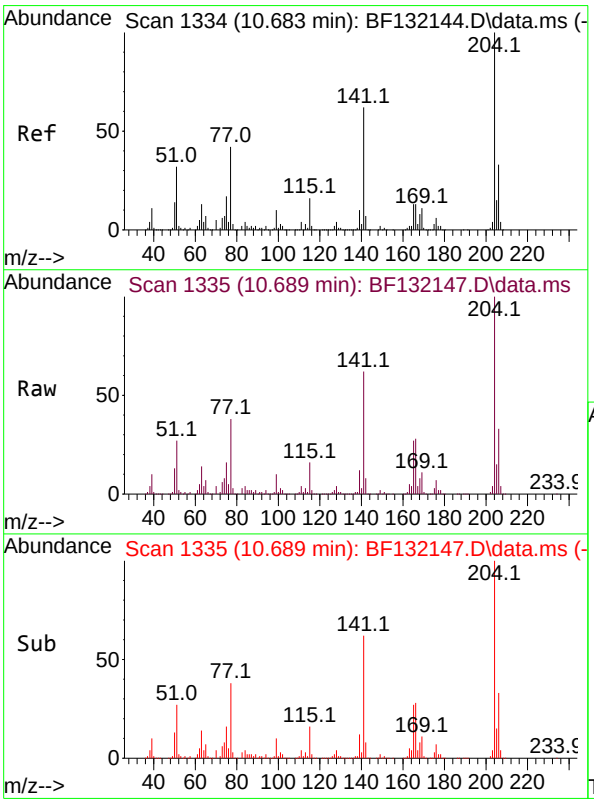
Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.4	27.6
150	12.8	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

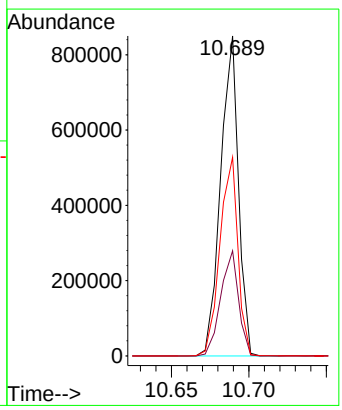
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

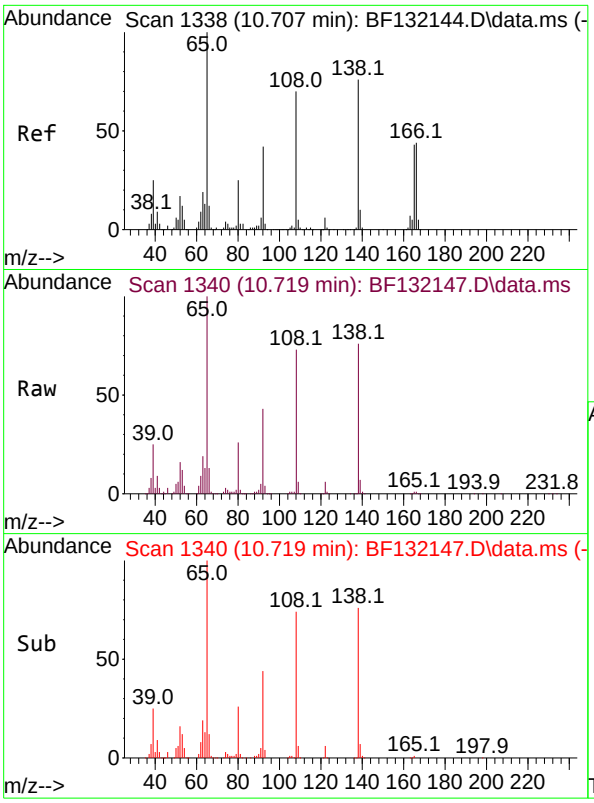


#61
4-Chlorophenyl-phenylether
Concen: 69.487 ng
RT: 10.689 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:204 Resp: 681650

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.4	39.6
141	62.1	49.2	73.8

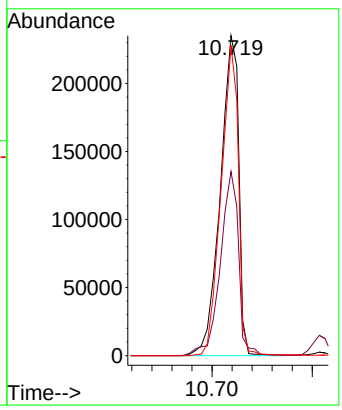




#62
4-Nitroaniline
Concen: 78.932 ng
RT: 10.719 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:138 Resp: 30067

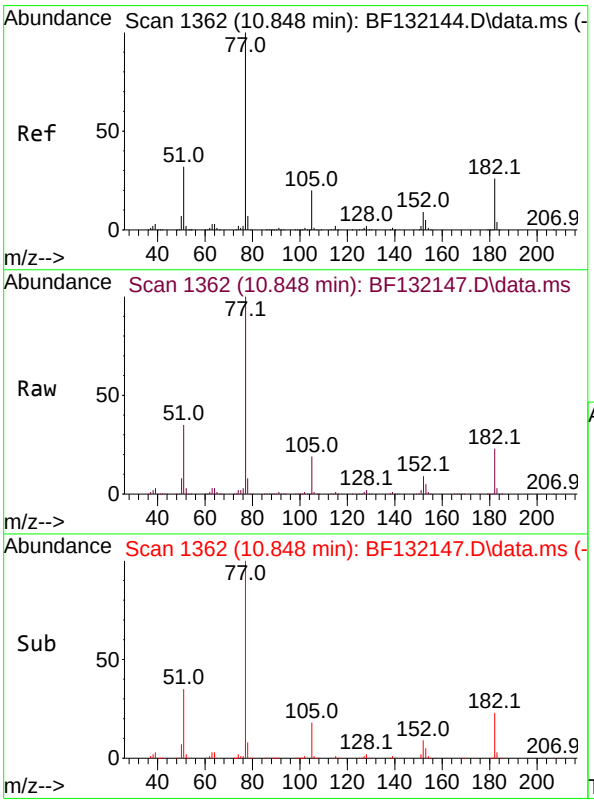
Ion	Ratio	Lower	Upper
138	100		
92	57.5	35.9	75.9
108	97.0	72.0	112.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

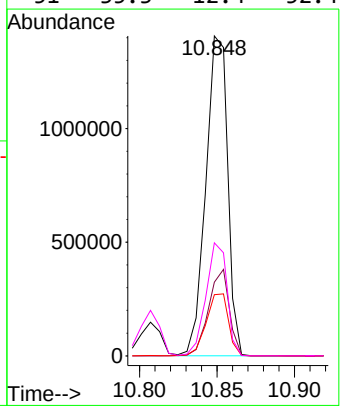
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

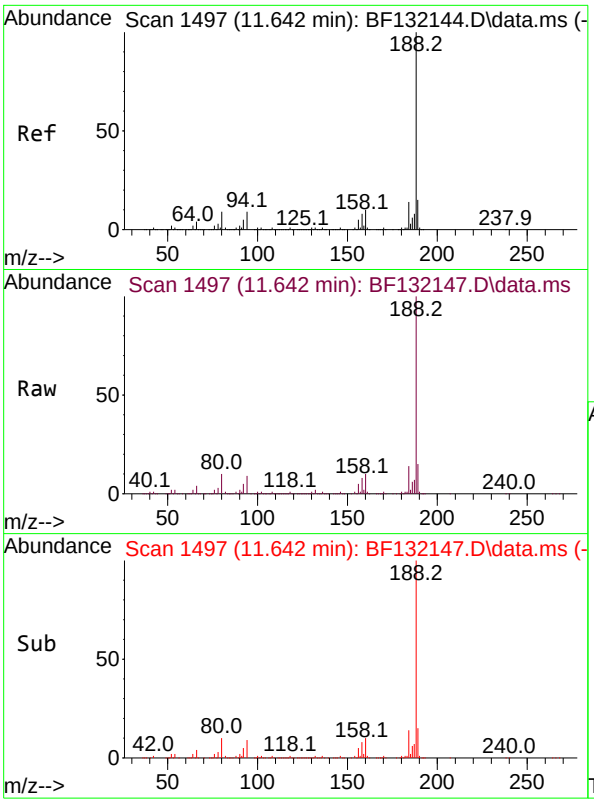


#63
Azobenzene
Concen: 71.149 ng
RT: 10.848 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 77 Resp: 1382602

Ion	Ratio	Lower	Upper
77	100		
182	23.0	6.4	46.4
105	19.1	0.0	39.8
51	35.3	12.4	52.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.642 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

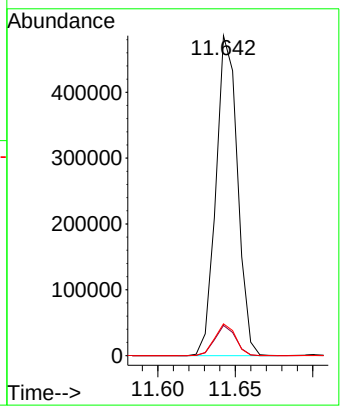
Tgt Ion:188 Resp: 47159

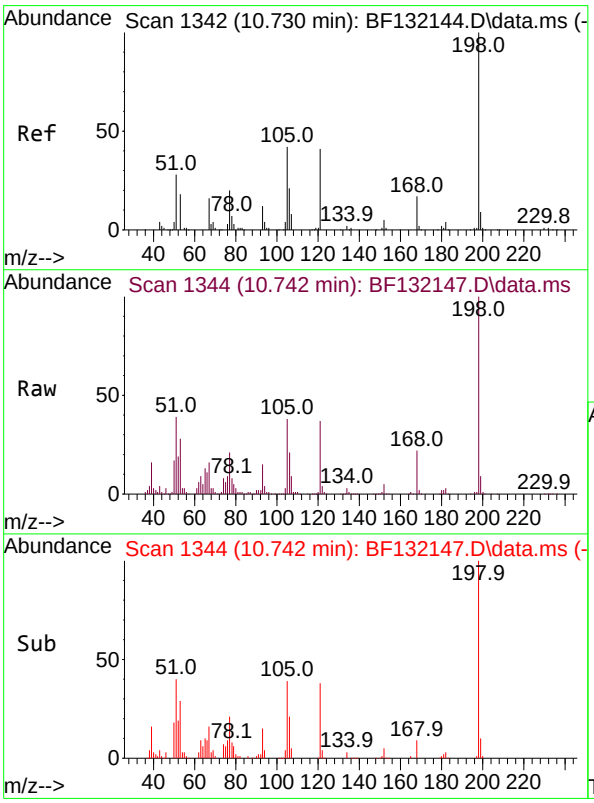
Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.9	10.3
80	9.9	7.5	11.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

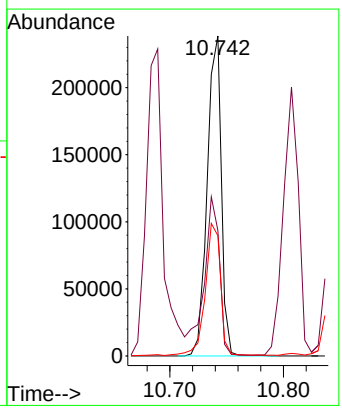


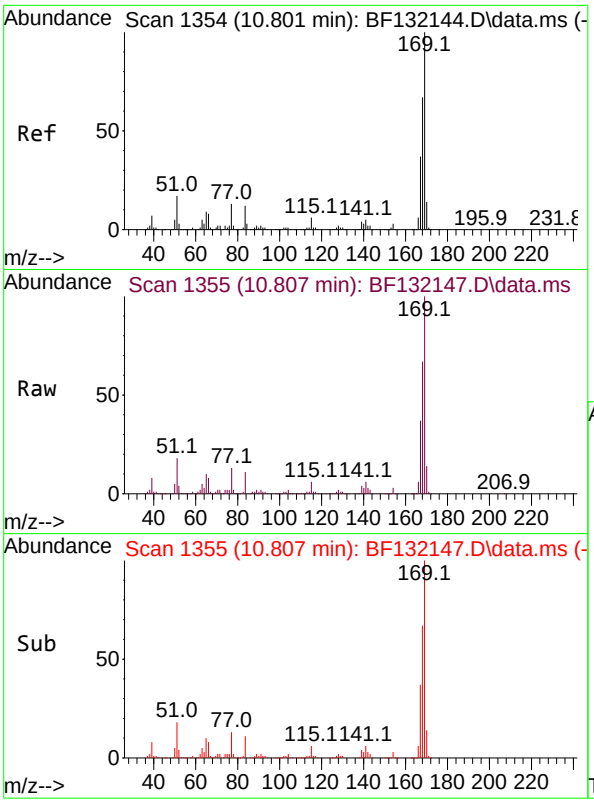


#65
4,6-Dinitro-2-methylphenol
Concen: 101.009 ng
RT: 10.742 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:198 Resp: 206528

Ion	Ratio	Lower	Upper
198	100		
51	39.2	24.3	64.3
105	37.6	23.3	63.3

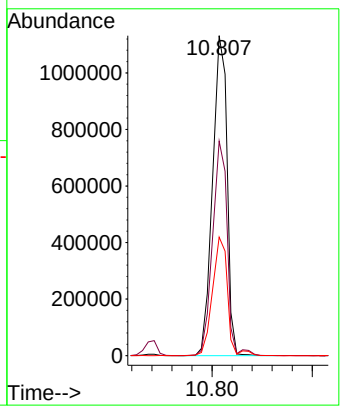




#66
n-Nitrosodiphenylamine
Concen: 75.109 ng
RT: 10.807 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:169 Resp: 113440

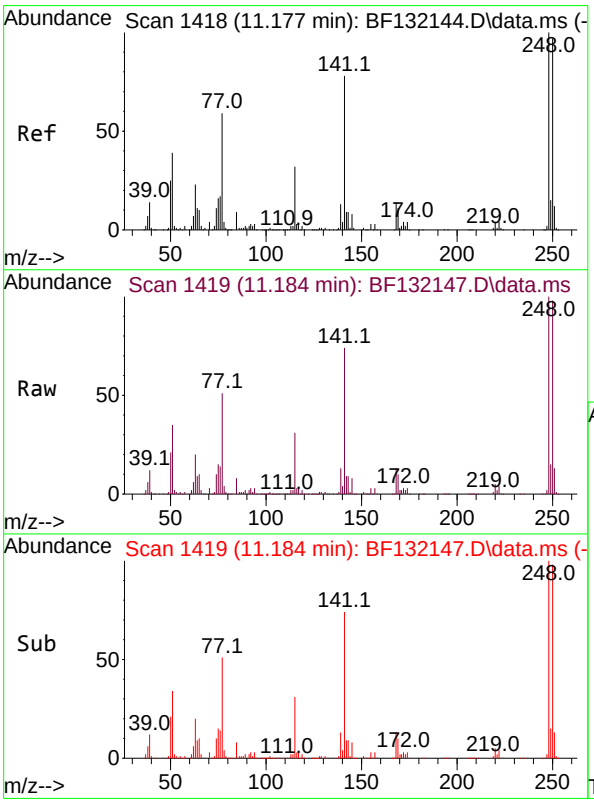
Ion	Ratio	Lower	Upper
169	100		
168	67.0	53.4	80.0
167	37.0	29.7	44.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

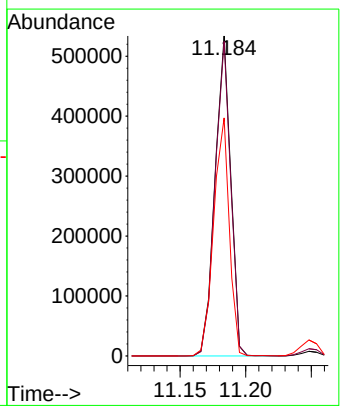
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

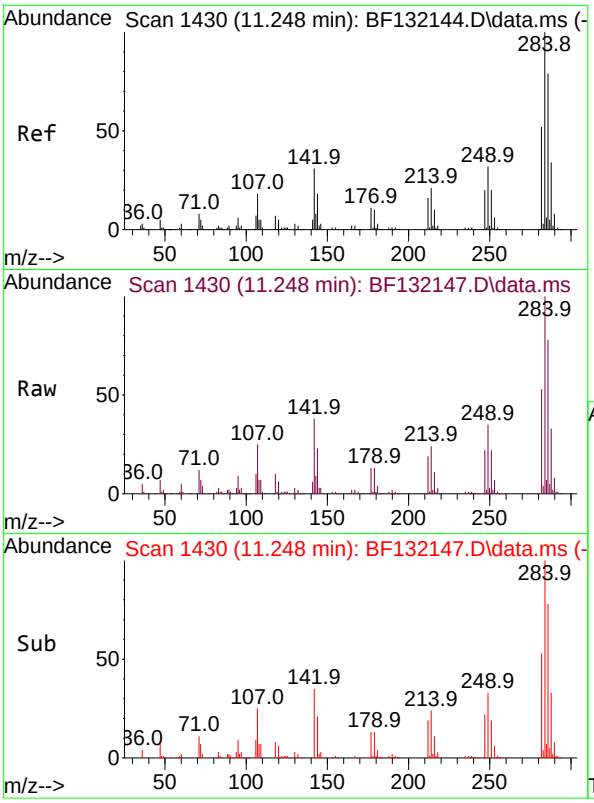


#67
4-Bromophenyl-phenylether
Concen: 77.548 ng
RT: 11.184 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:248 Resp: 445768

Ion	Ratio	Lower	Upper
248	100		
250	98.3	77.4	116.0
141	74.4	62.2	93.2

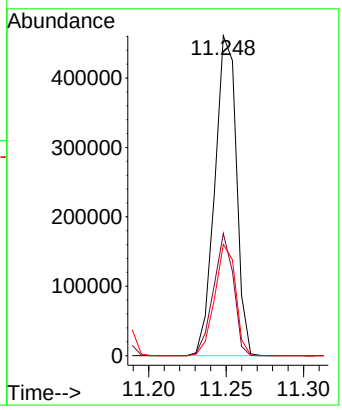




#68
Hexachlorobenzene
Concen: 78.309 ng
RT: 11.248 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:284 Resp: 44737

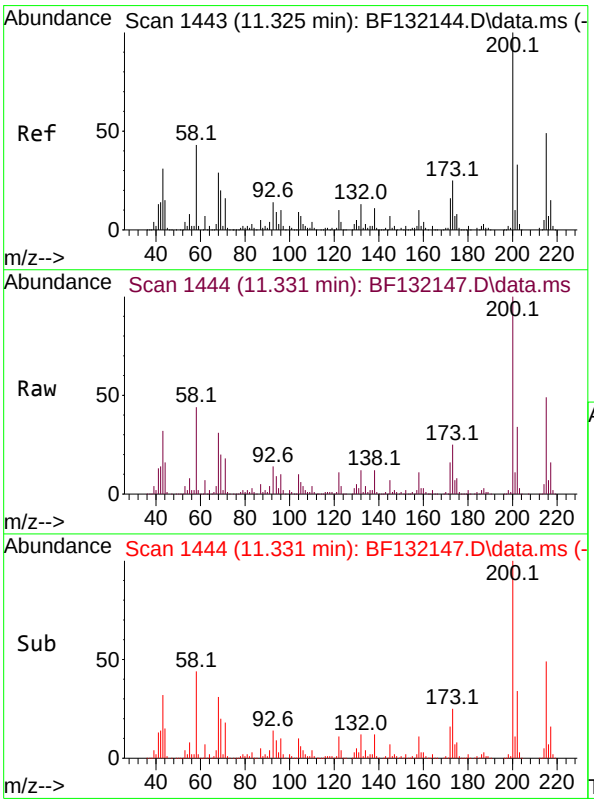
Ion	Ratio	Lower	Upper
284	100		
142	38.2	24.7	37.1
249	34.8	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

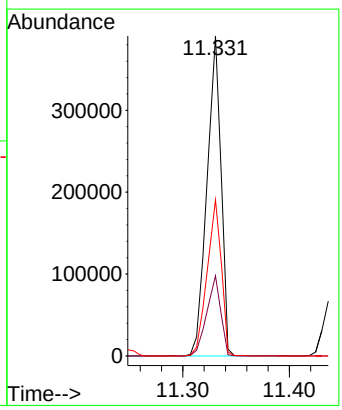
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

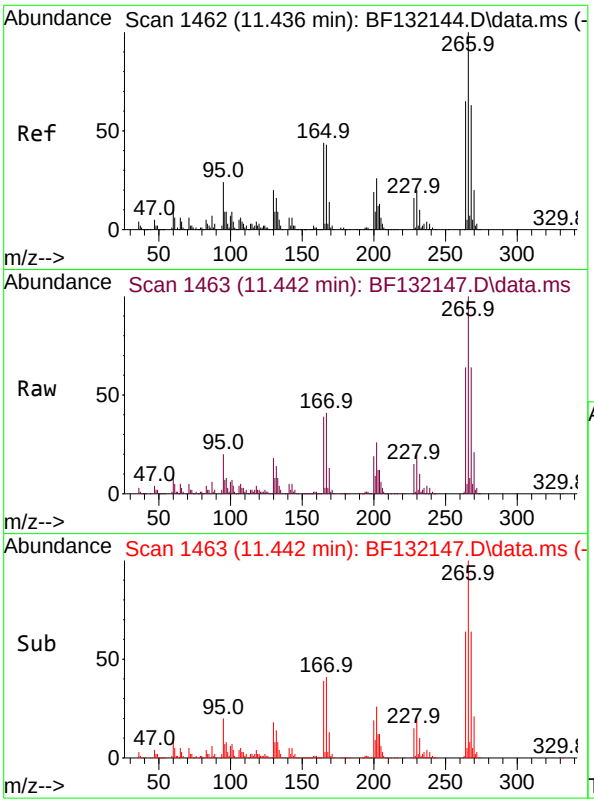


#69
Atrazine
Concen: 76.921 ng
RT: 11.331 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:200 Resp: 358442

Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.0	45.0
215	48.8	28.6	68.6

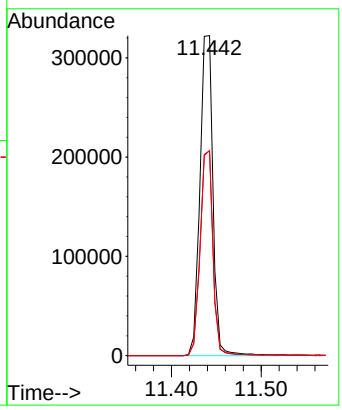




#70
Pentachlorophenol
Concen: 88.535 ng
RT: 11.442 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:266 Resp: 32503

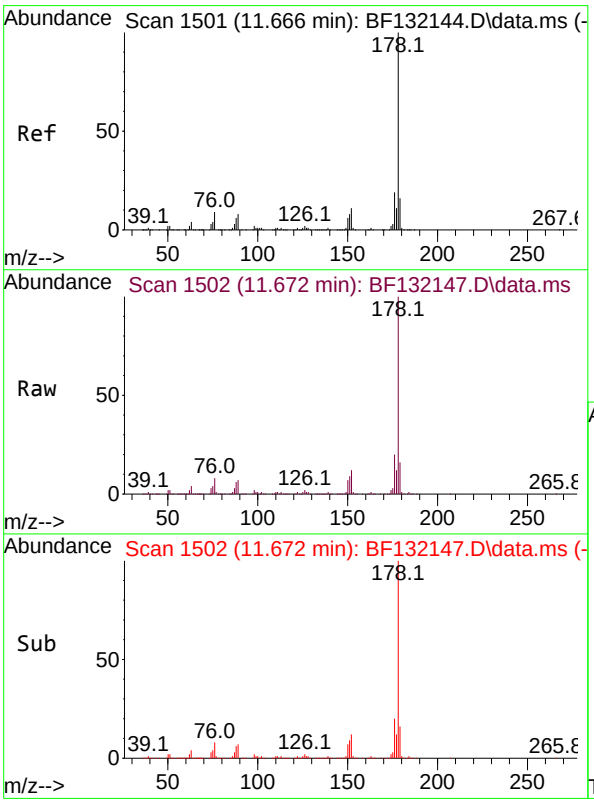
Ion	Ratio	Lower	Upper
266	100		
268	64.1	50.8	76.2
264	64.0	52.3	78.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

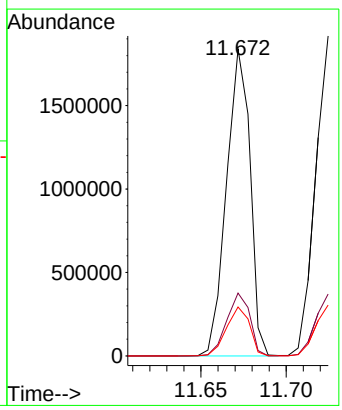
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

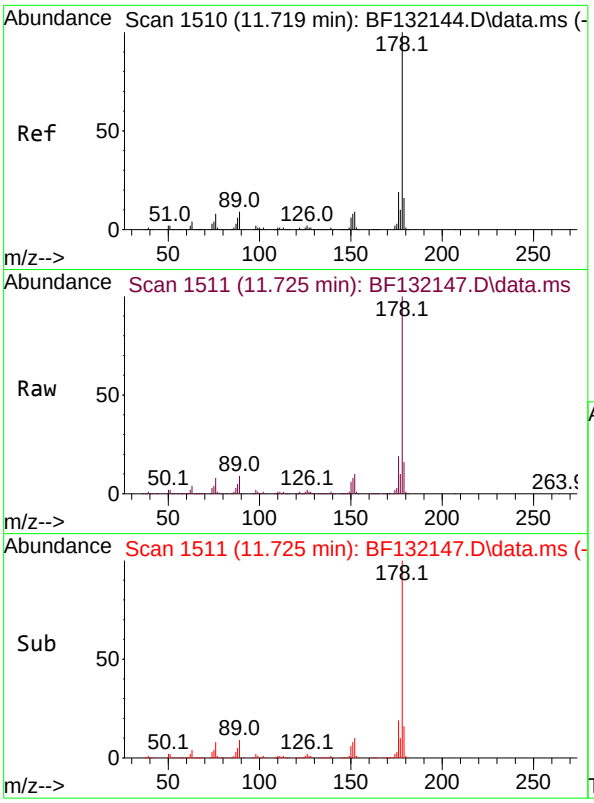


#71
Phenanthrene
Concen: 71.541 ng
RT: 11.672 min Scan# 1502
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:178 Resp: 1770533

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.5	23.3
179	16.0	12.6	19.0

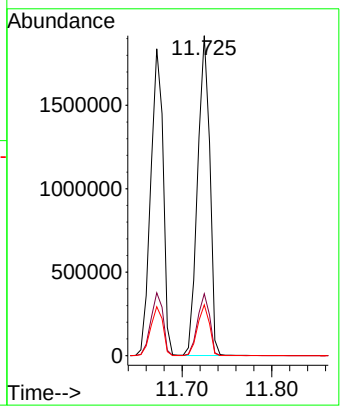




#72
Anthracene
Concen: 72.024 ng
RT: 11.725 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:178 Resp: 180326

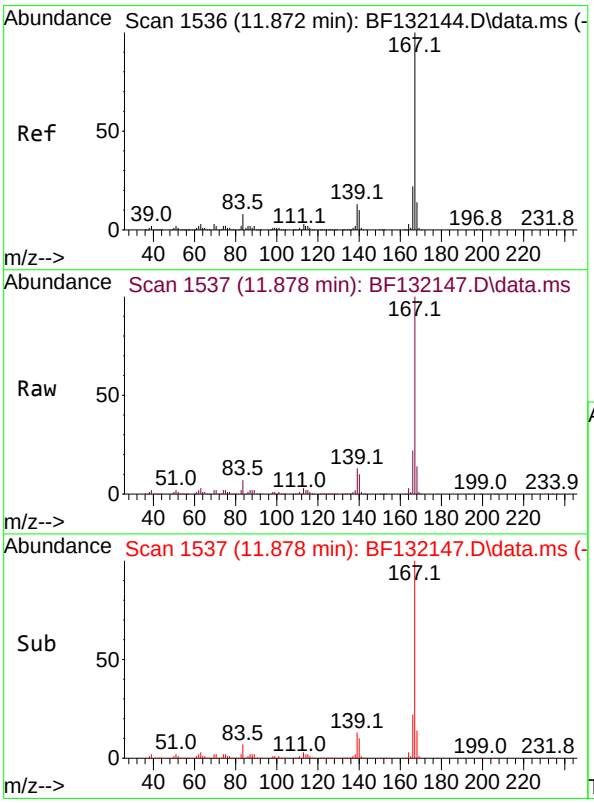
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.9	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

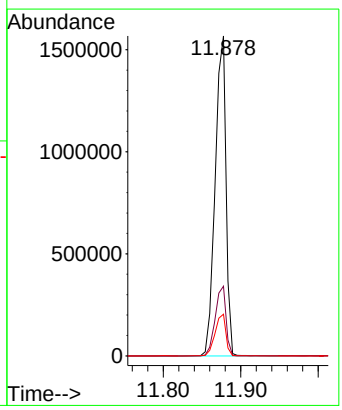
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

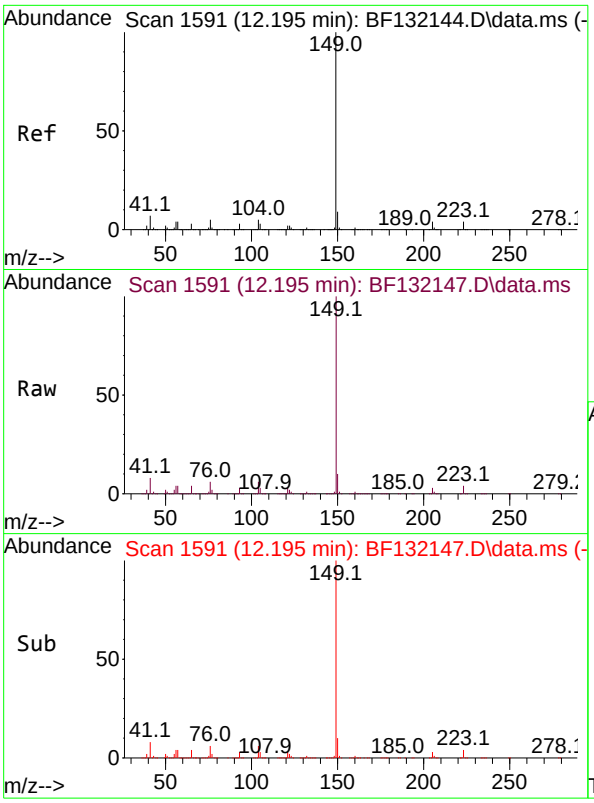


#73
Carbazole
Concen: 71.232 ng
RT: 11.878 min Scan# 1537
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:167 Resp: 1523393

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.7	26.5
139	13.0	10.5	15.7

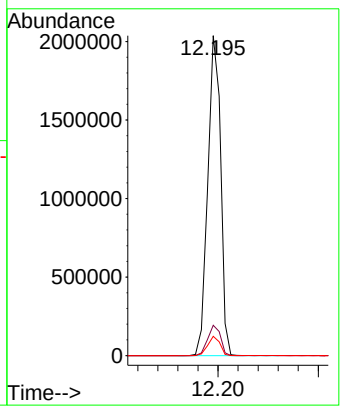




#74
Di-n-butylphthalate
Concen: 75.690 ng
RT: 12.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:149 Resp: 180200

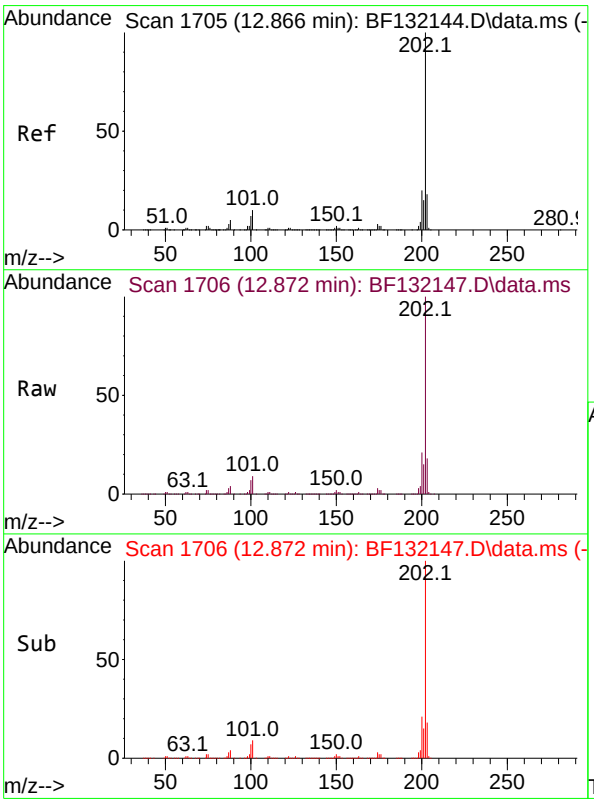
Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	6.0	4.3	6.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

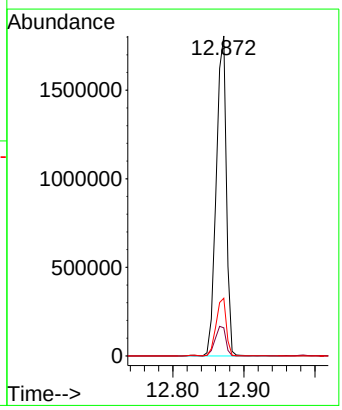
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

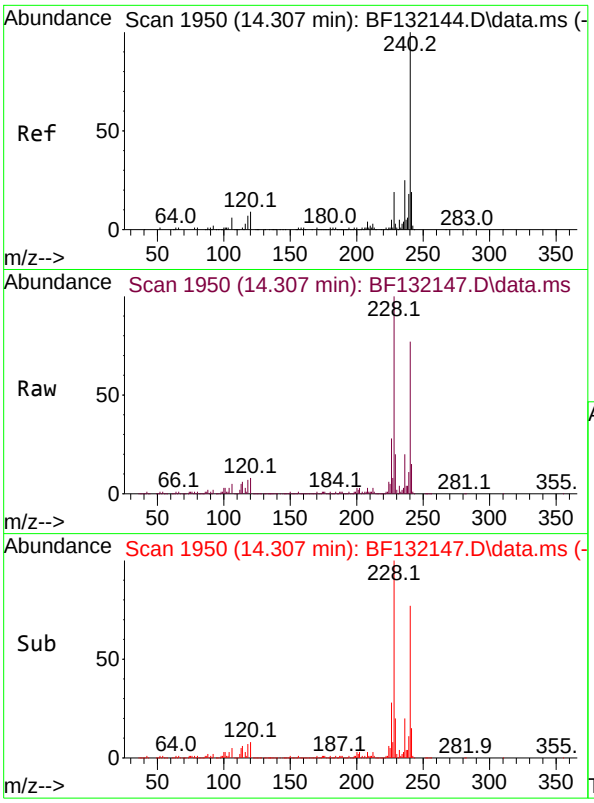


#75
Fluoranthene
Concen: 70.391 ng
RT: 12.872 min Scan# 1706
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:202 Resp: 1789458

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	29.6
203	18.0	0.0	37.9

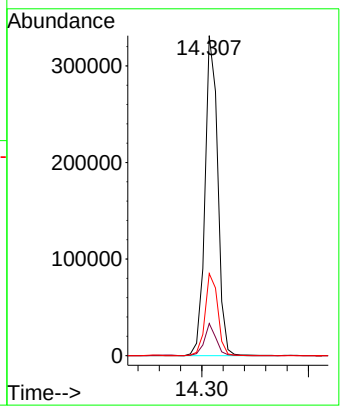




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.307 min Scan# 19
Delta R.T. 0.000 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:240 Resp: 273781

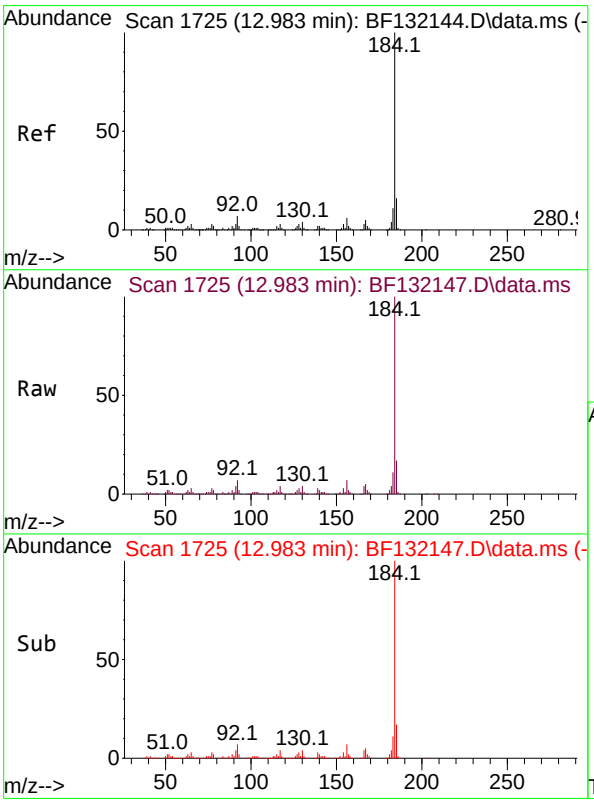
Ion	Ratio	Lower	Upper
240	100		
120	10.0	6.9	10.3
236	25.6	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

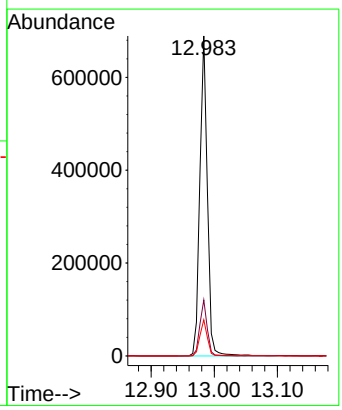
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

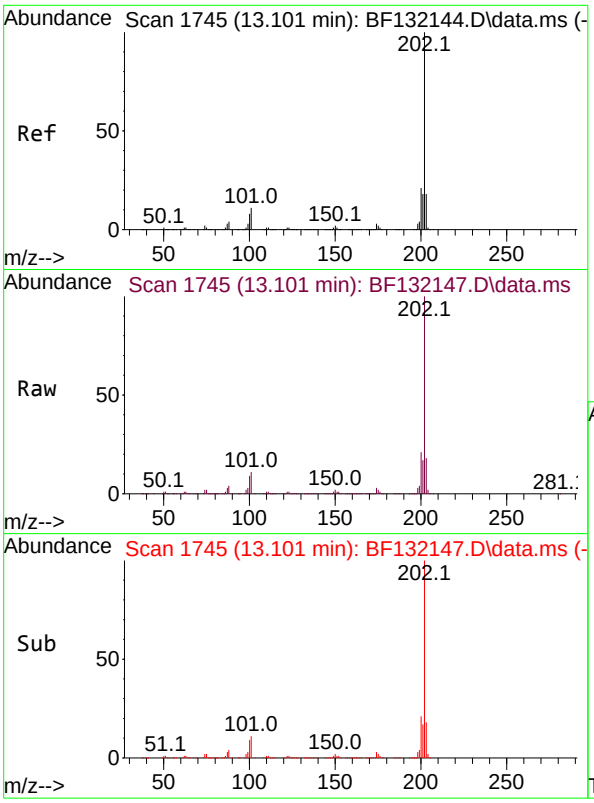


#77
Benzidine
Concen: 69.473 ng
RT: 12.983 min Scan# 1725
Delta R.T. 0.000 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:184 Resp: 571079

Ion	Ratio	Lower	Upper
184	100		
185	17.5	12.5	18.7
183	11.3	9.0	13.4





#78
Pyrene
Concen: 71.423 ng
RT: 13.101 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

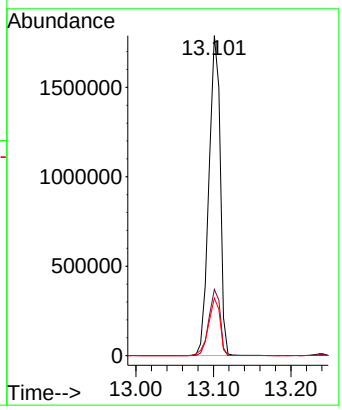
Tgt Ion:202 Resp: 180213

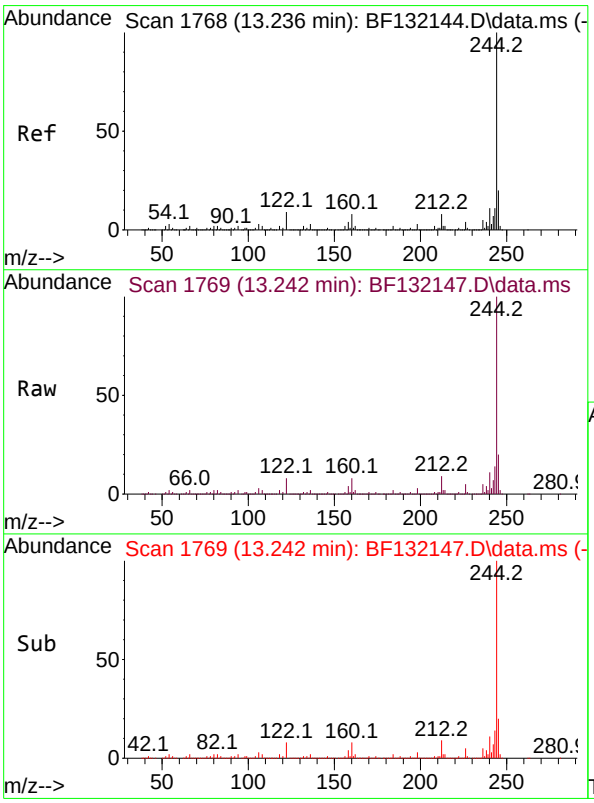
Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	18.0	14.0	21.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

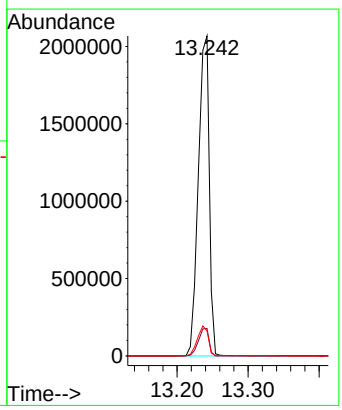


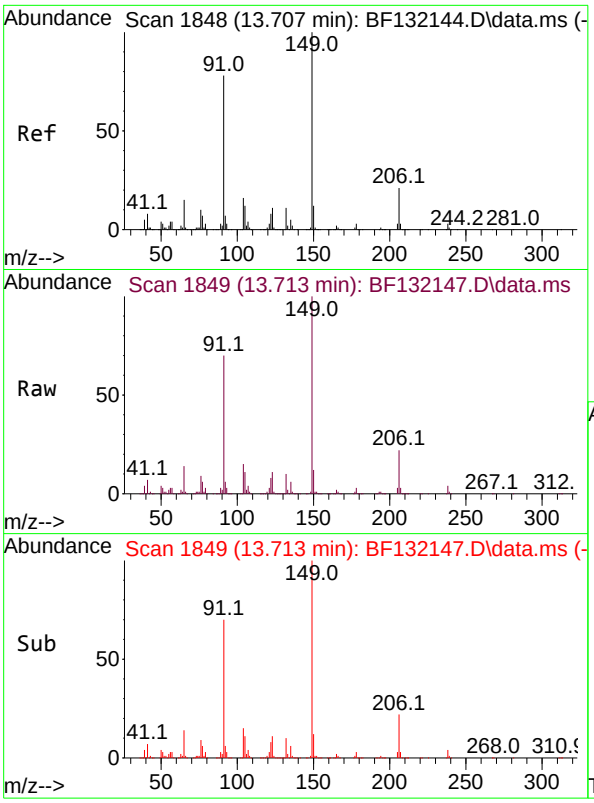


#79
Terphenyl-d14
Concen: 134.946 ng
RT: 13.242 min Scan# 1769
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:244 Resp: 2205569

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.7	10.1
122	7.8	7.4	11.2





#80
Butylbenzylphthalate
Concen: 91.677 ng
RT: 13.713 min Scan# 18
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

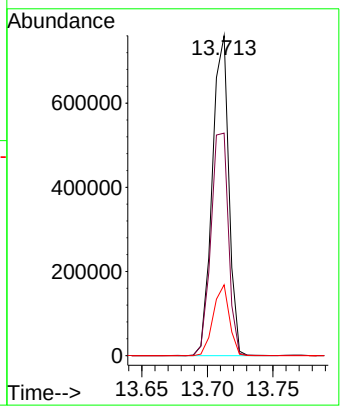
Tgt Ion:149 Resp: 67033

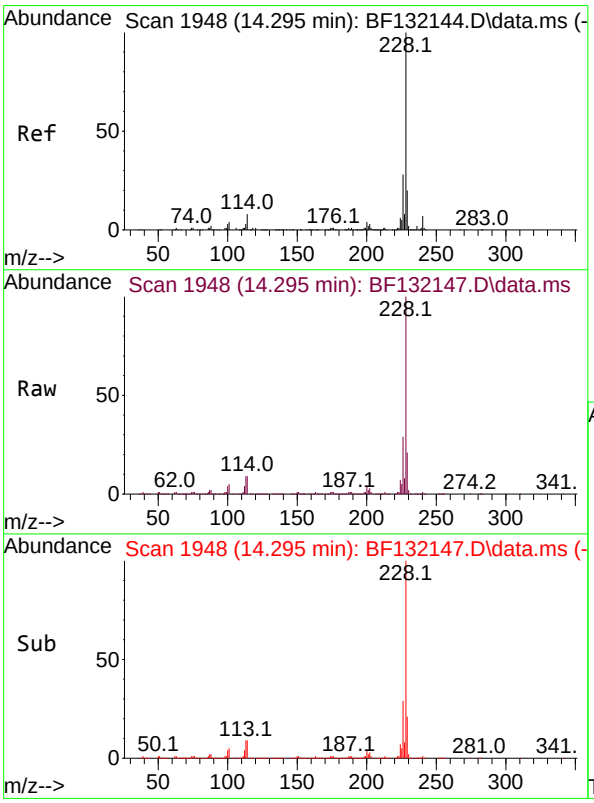
Ion	Ratio	Lower	Upper
149	100		
91	69.5	62.6	94.0
206	22.1	16.4	24.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

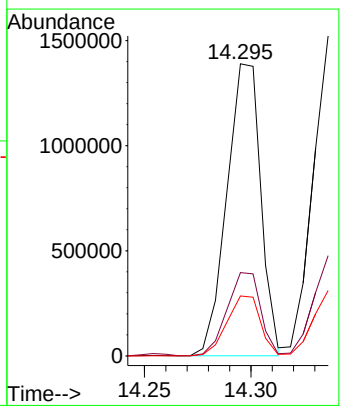


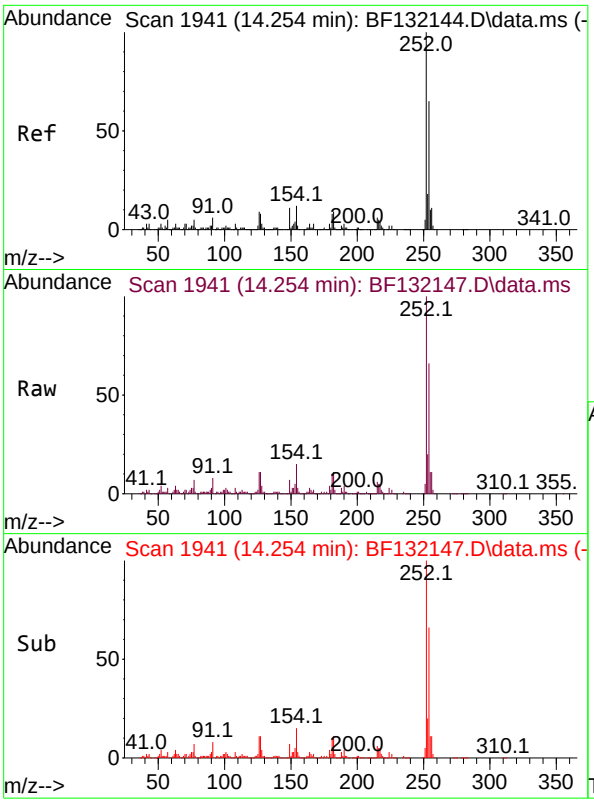


#81
Benzo(a)anthracene
Concen: 78.742 ng
RT: 14.295 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:228 Resp: 1540103

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.5	33.7
229	20.5	16.1	24.1

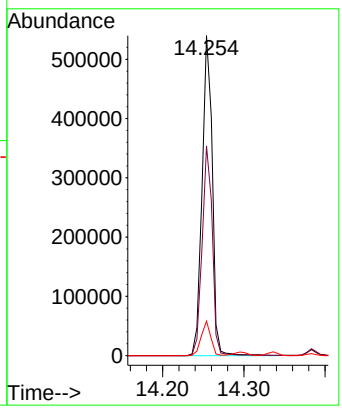




#82
3,3'-Dichlorobenzidine
Concen: 86.482 ng
RT: 14.254 min Scan# 19
Delta R.T. 0.000 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:252 Resp: 47107

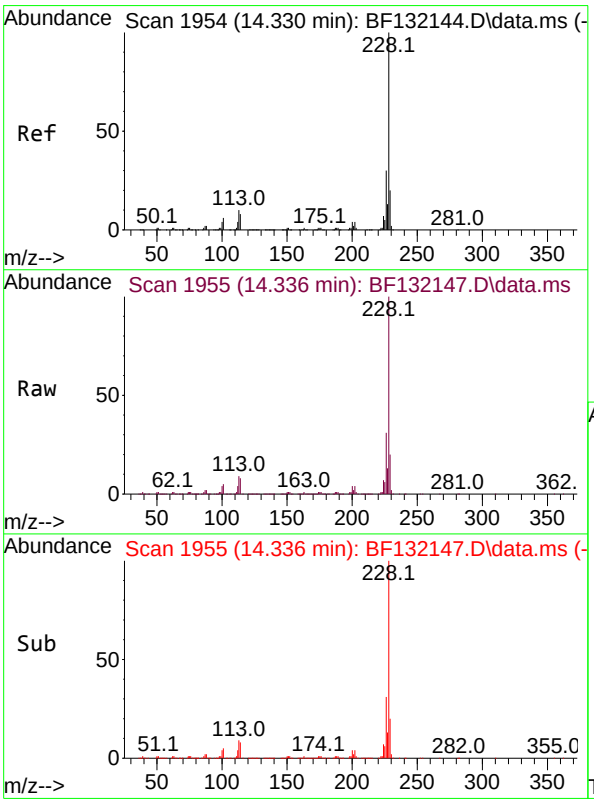
Ion	Ratio	Lower	Upper
252	100		
254	65.5	52.4	78.6
126	10.8	7.0	10.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

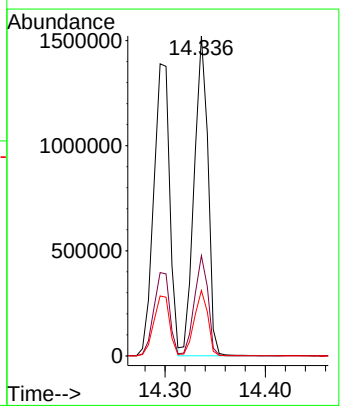
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

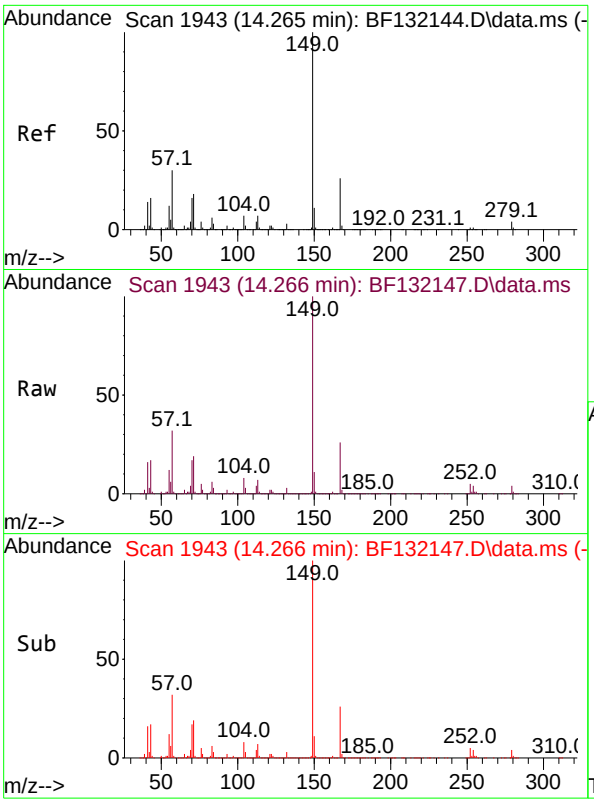


#83
Chrysene
Concen: 77.939 ng
RT: 14.336 min Scan# 1955
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:228 Resp: 1451007

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.3	36.5
229	20.4	15.8	23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 94.139 ng
RT: 14.266 min Scan# 19
Delta R.T. 0.001 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

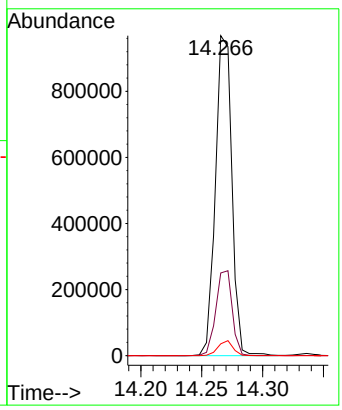
Tgt Ion:149 Resp: 90893

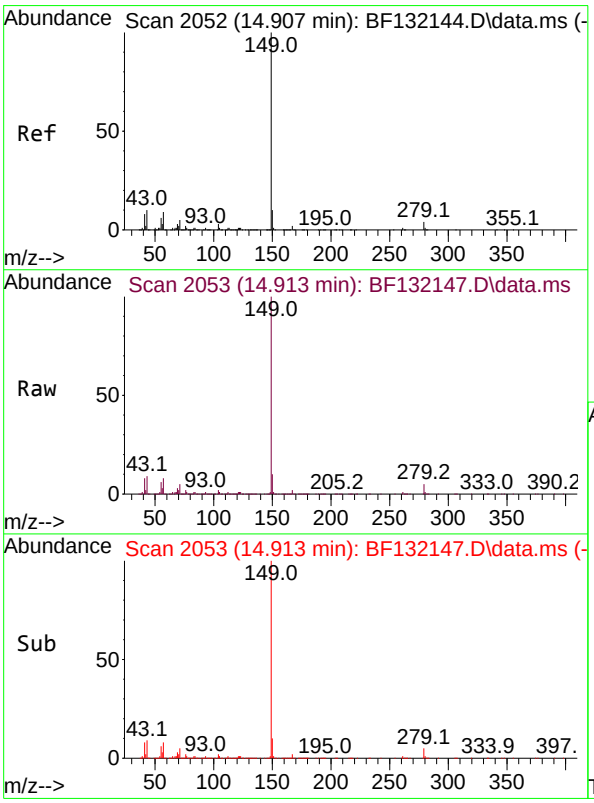
Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.0	31.6
279	3.7	3.2	4.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

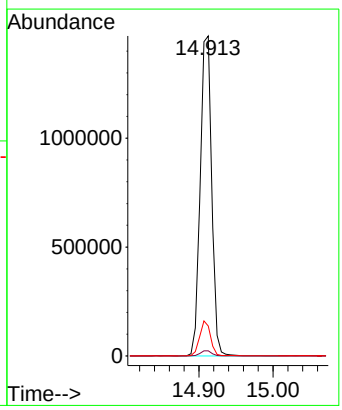


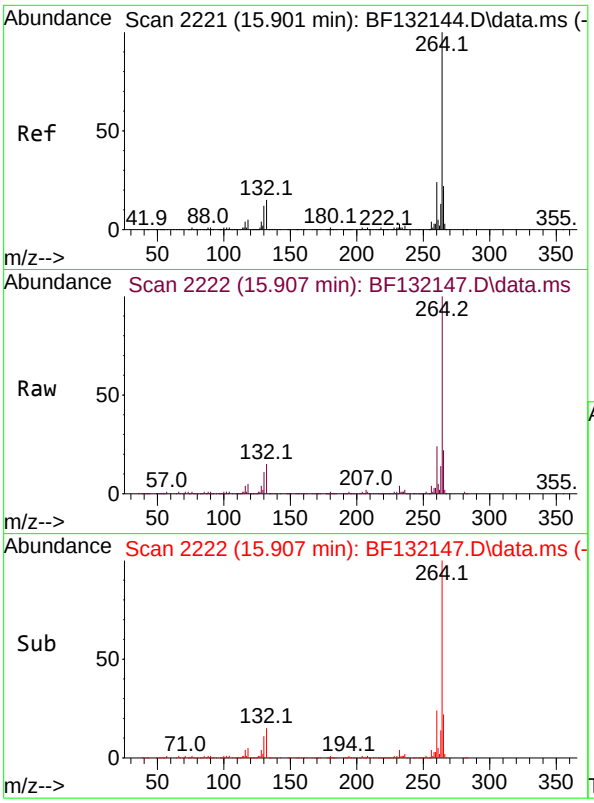


#85
Di-n-octyl phthalate
Concen: 106.755 ng
RT: 14.913 min Scan# 2053
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:149 Resp: 1582333

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.5	8.4	12.6

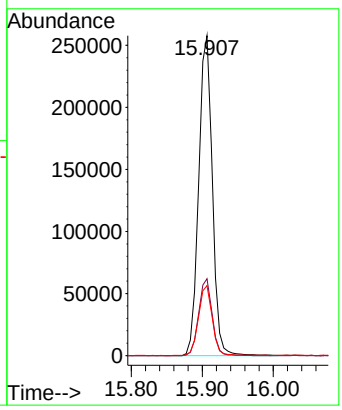




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.907 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:264 Resp: 34203

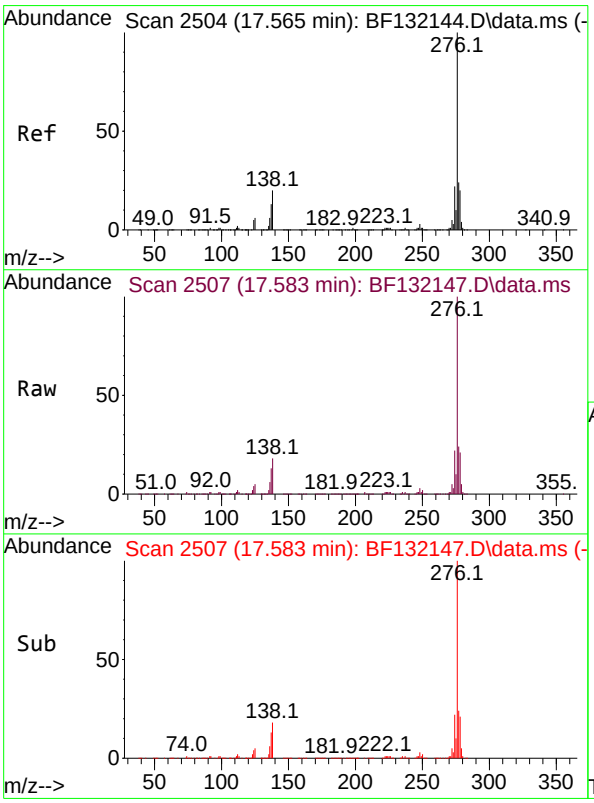
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.1	28.7
265	21.9	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

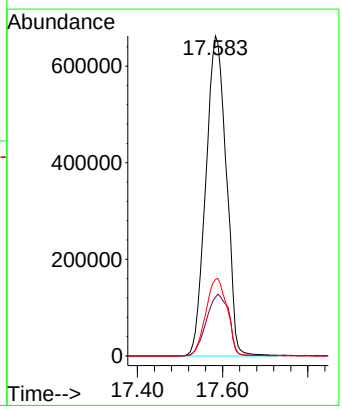
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

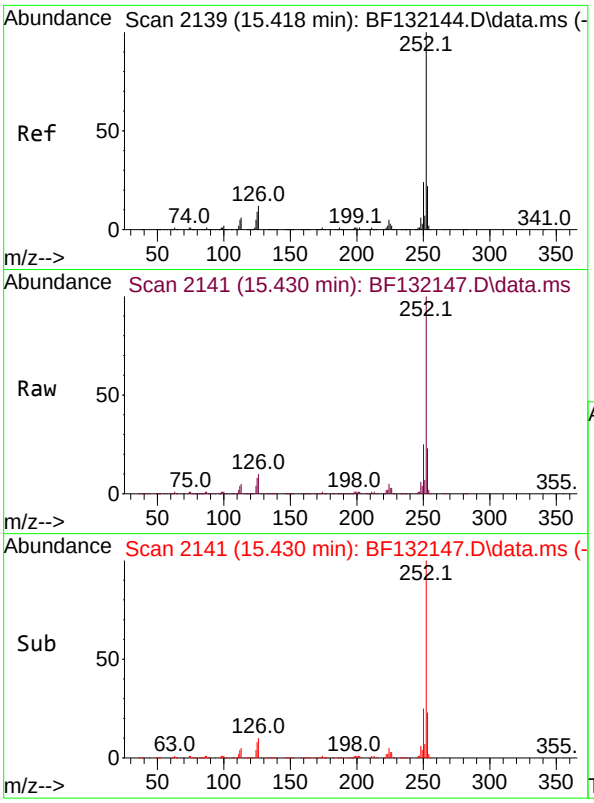


#87
Indeno(1,2,3-cd)pyrene
Concen: 88.906 ng
RT: 17.583 min Scan# 2507
Delta R.T. 0.018 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:276 Resp: 2206787

Ion	Ratio	Lower	Upper
276	100		
138	21.2	17.9	26.9
277	25.4	20.2	30.2

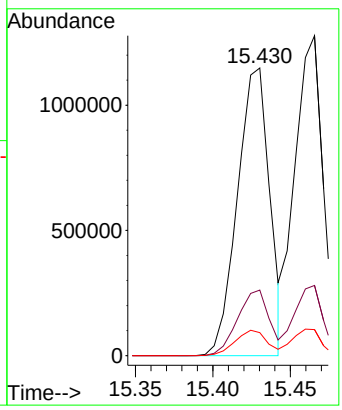




#88
Benzo(b)fluoranthene
Concen: 79.747 ng
RT: 15.430 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:252 Resp: 166077

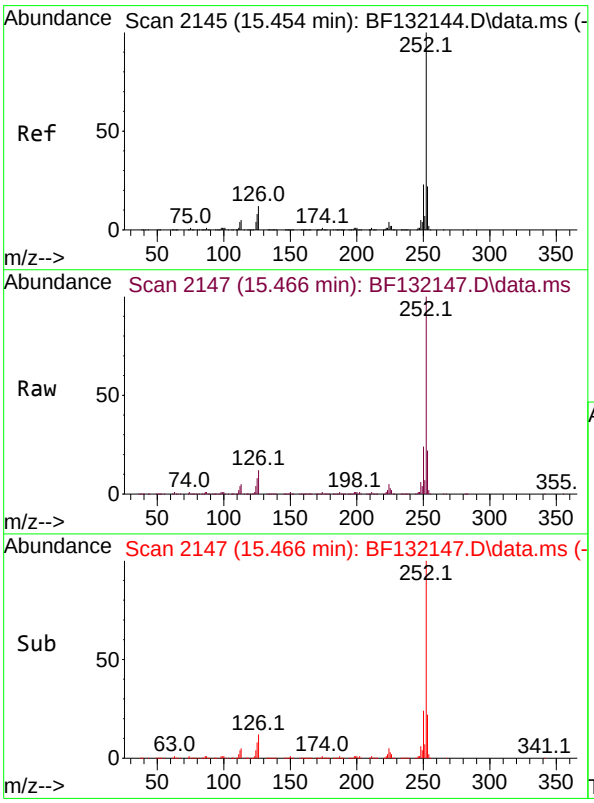
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	8.0	7.2	10.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

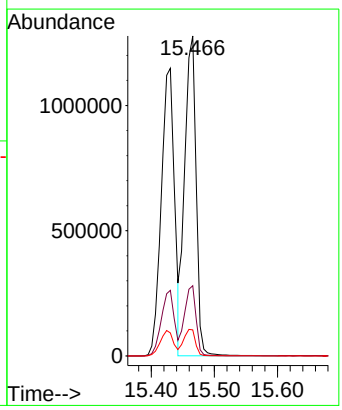
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

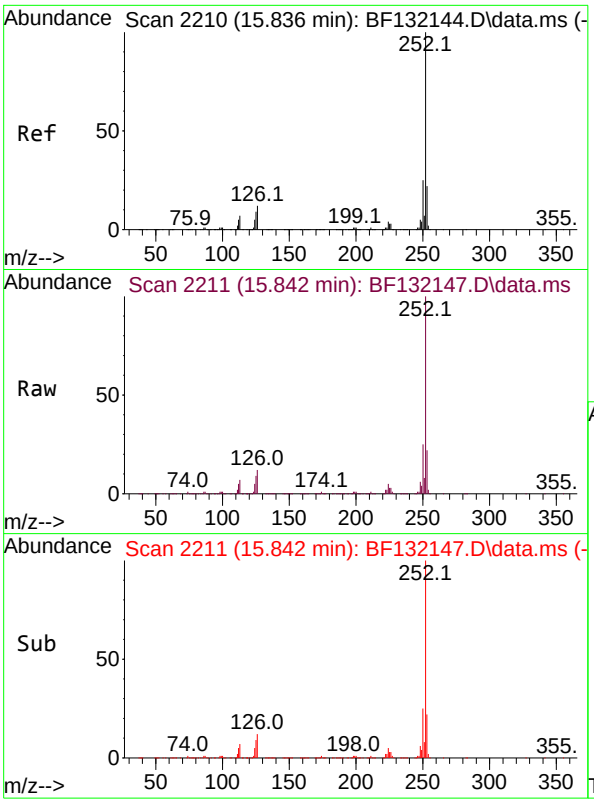


#89
Benzo(k)fluoranthene
Concen: 75.797 ng
RT: 15.466 min Scan# 2147
Delta R.T. 0.012 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:252 Resp: 1609871

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	8.1	6.4	9.6

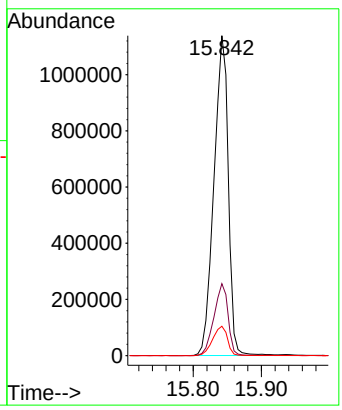




#90
Benzo(a)pyrene
Concen: 82.747 ng
RT: 15.842 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:252 Resp: 165770

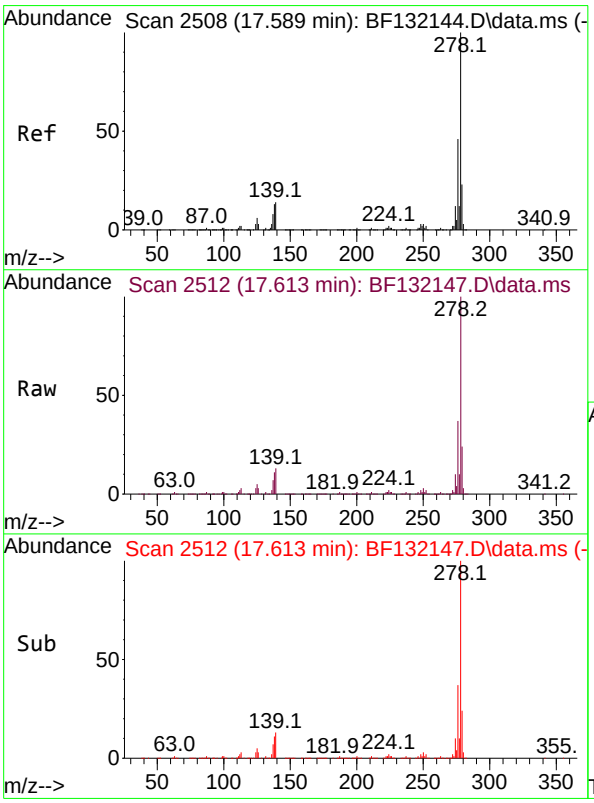
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	9.2	7.3	10.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

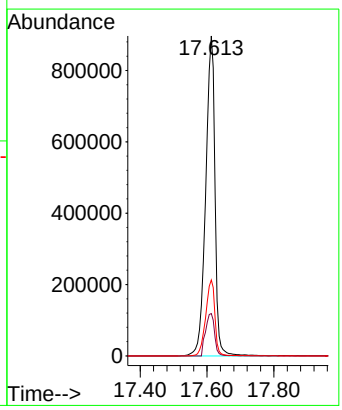
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

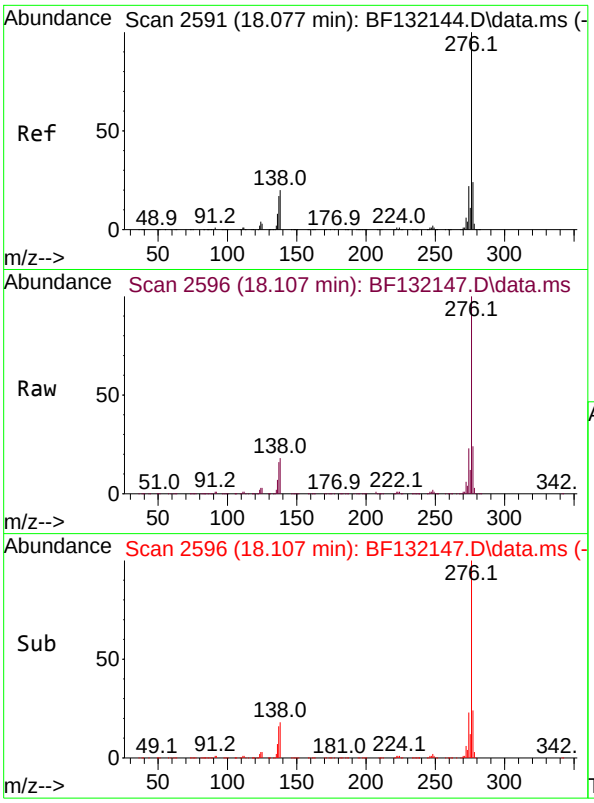


#91
Dibenzo(a,h)anthracene
Concen: 85.719 ng
RT: 17.613 min Scan# 2512
Delta R.T. 0.024 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:278 Resp: 1735171

Ion	Ratio	Lower	Upper
278	100		
139	13.3	11.4	17.2
279	23.7	18.6	28.0

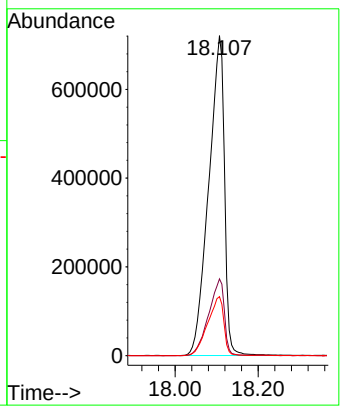




#92
Benzo(g,h,i)perylene
Concen: 88.954 ng
RT: 18.107 min Scan# 2
Delta R.T. 0.030 min
Lab File: BF132147.D
Acq: 19 Jan 2023 15:11

Tgt Ion:276 Resp: 189478

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	18.4	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132148.D
Acq On : 19 Jan 2023 15:44
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Quant Time: Jan 20 00:55:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.090	152	163547	20.000	ng	0.00
21) Naphthalene-d8	8.378	136	561606	20.000	ng	0.00
39) Acenaphthene-d10	10.142	164	294382	20.000	ng	0.00
64) Phenanthrene-d10	11.642	188	541465	20.000	ng	0.00
76) Chrysene-d12	14.307	240	289030	20.000	ng	0.00
86) Perylene-d12	15.901	264	315389	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.707	112	745654	79.645	ng	0.00
7) Phenol-d6	6.701	99	936762	79.486	ng	0.00
23) Nitrobenzene-d5	7.654	82	876371	82.897	ng	0.00
42) 2,4,6-Tribromophenol	10.936	330	264106	83.991	ng	0.00
45) 2-Fluorobiphenyl	9.454	172	1484699	73.696	ng	0.00
79) Terphenyl-d14	13.236	244	1375266	79.705	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.013	88	186409	39.301	ng	99
3) Pyridine	3.778	79	507287	39.841	ng	100
4) n-Nitrosodimethylamine	3.737	42	242074	40.425	ng	100
6) Aniline	6.754	93	640806	39.256	ng	99
8) 2-Chlorophenol	6.872	128	399260	40.571	ng	100
9) Benzaldehyde	6.643	77	308063	40.632	ng	97
10) Phenol	6.713	94	487091	39.701	ng	99
11) bis(2-Chloroethyl)ether	6.819	93	407756	39.259	ng	99
12) 1,3-Dichlorobenzene	7.031	146	435096	39.552	ng	99
13) 1,4-Dichlorobenzene	7.107	146	439030	39.996	ng	98
14) 1,2-Dichlorobenzene	7.266	146	399382	39.349	ng	98
15) Benzyl Alcohol	7.225	79	374565	41.551	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.360	45	598742	39.664	ng	99
17) 2-Methylphenol	7.325	107	345436	40.067	ng	99
18) Hexachloroethane	7.607	117	163023	41.373	ng	98
19) n-Nitroso-di-n-propyla...	7.495	70	279754	38.753	ng	99
20) 3+4-Methylphenols	7.478	107	441586	40.648	ng	94
22) Acetophenone	7.501	105	515033	38.155	ng	99
24) Nitrobenzene	7.672	77	461525	41.232	ng	99
25) Isophorone	7.907	82	811356	39.224	ng	100
26) 2-Nitrophenol	7.990	139	188076	44.494	ng	96
27) 2,4-Dimethylphenol	8.013	122	360494	40.276	ng	100
28) bis(2-Chloroethoxy)met...	8.119	93	487002	39.240	ng	99
29) 2,4-Dichlorophenol	8.225	162	346157	40.736	ng	98
30) 1,2,4-Trichlorobenzene	8.319	180	379741	39.345	ng	100
31) Naphthalene	8.401	128	1120785	38.858	ng	99
32) Benzoic acid	8.107	122	246749	42.386	ng	93
33) 4-Chloroaniline	8.442	127	484982	39.292	ng	99
34) Hexachlorobutadiene	8.513	225	260381	40.159	ng	99
35) Caprolactam	8.813	113	100708	41.792	ng	98
36) 4-Chloro-3-methylphenol	8.907	107	347512	40.638	ng	97
37) 2-Methylnaphthalene	9.095	142	771500	38.851	ng	99
38) 1-Methylnaphthalene	9.195	142	713576	38.619	ng	99
40) 1,2,4,5-Tetrachloroben...	9.260	216	401549	39.204	ng	99
41) Hexachlorocyclopentadiene	9.242	237	239100	42.778	ng	99
43) 2,4,6-Trichlorophenol	9.366	196	263620	41.471	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132148.D
Acq On : 19 Jan 2023 15:44
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Quant Time: Jan 20 00:55:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.401	196	309687	41.656	ng		99
46) 1,1'-Biphenyl	9.560	154	906370	39.026	ng		99
47) 2-Chloronaphthalene	9.589	162	697476	38.849	ng		100
48) 2-Nitroaniline	9.678	65	232437	40.882	ng		98
49) Acenaphthylene	10.007	152	1125150	39.175	ng		99
50) Dimethylphthalate	9.854	163	847054	39.729	ng		99
51) 2,6-Dinitrotoluene	9.919	165	182283	44.109	ng		97
52) Acenaphthene	10.178	154	670346	38.803	ng		98
53) 3-Nitroaniline	10.089	138	192065	43.470	ng		98
54) 2,4-Dinitrophenol	10.189	184	77817	43.353	ng		83
55) Dibenzofuran	10.354	168	1029957	38.579	ng		99
56) 4-Nitrophenol	10.225	139	143657	44.675	ng		88
57) 2,4-Dinitrotoluene	10.319	165	226854	45.732	ng		98
58) Fluorene	10.695	166	755542	38.193	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.460	232	237937	42.074	ng		99
60) Diethylphthalate	10.554	149	828728	39.637	ng		98
61) 4-Chlorophenyl-phenyle...	10.684	204	412428	38.934	ng		99
62) 4-Nitroaniline	10.707	138	167869	40.810	ng		98
63) Azobenzene	10.848	77	811938	38.693	ng		98
65) 4,6-Dinitro-2-methylph...	10.731	198	111699	42.985	ng		94
66) n-Nitrosodiphenylamine	10.801	169	682412	39.352	ng		99
67) 4-Bromophenyl-phenylether	11.178	248	261124	39.565	ng		98
68) Hexachlorobenzene	11.248	284	260189	39.667	ng		98
69) Atrazine	11.325	200	216709	40.505	ng		99
70) Pentachlorophenol	11.436	266	185687	44.053	ng		98
71) Phenanthrene	11.666	178	1106432	38.938	ng		100
72) Anthracene	11.719	178	1118170	38.898	ng		99
73) Carbazole	11.872	167	936219	38.127	ng		98
74) Di-n-butylphthalate	12.195	149	1101796	40.307	ng		99
75) Fluoranthene	12.866	202	1097474	37.600	ng		99
77) Benzidine	12.983	184	352976	40.675	ng		99
78) Pyrene	13.101	202	1091496	40.977	ng		99
80) Butylbenzylphthalate	13.707	149	356250	41.476	ng		95
81) Benzo(a)anthracene	14.295	228	823181	39.867	ng		99
82) 3,3'-Dichlorobenzidine	14.248	252	255697	44.466	ng	#	98
83) Chrysene	14.330	228	775281	39.446	ng		99
84) Bis(2-ethylhexyl)phtha...	14.266	149	468631	40.877	ng		99
85) Di-n-octyl phthalate	14.907	149	699411	42.292	ng		99
87) Indeno(1,2,3-cd)pyrene	17.565	276	1022972	41.080	ng		99
88) Benzo(b)fluoranthene	15.418	252	789087	41.092	ng		99
89) Benzo(k)fluoranthene	15.454	252	756317	38.618	ng		99
90) Benzo(a)pyrene	15.830	252	762470	41.276	ng		98
91) Dibenzo(a,h)anthracene	17.589	278	836172	44.798	ng		98
92) Benzo(g,h,i)perylene	18.077	276	867368	40.647	ng		100

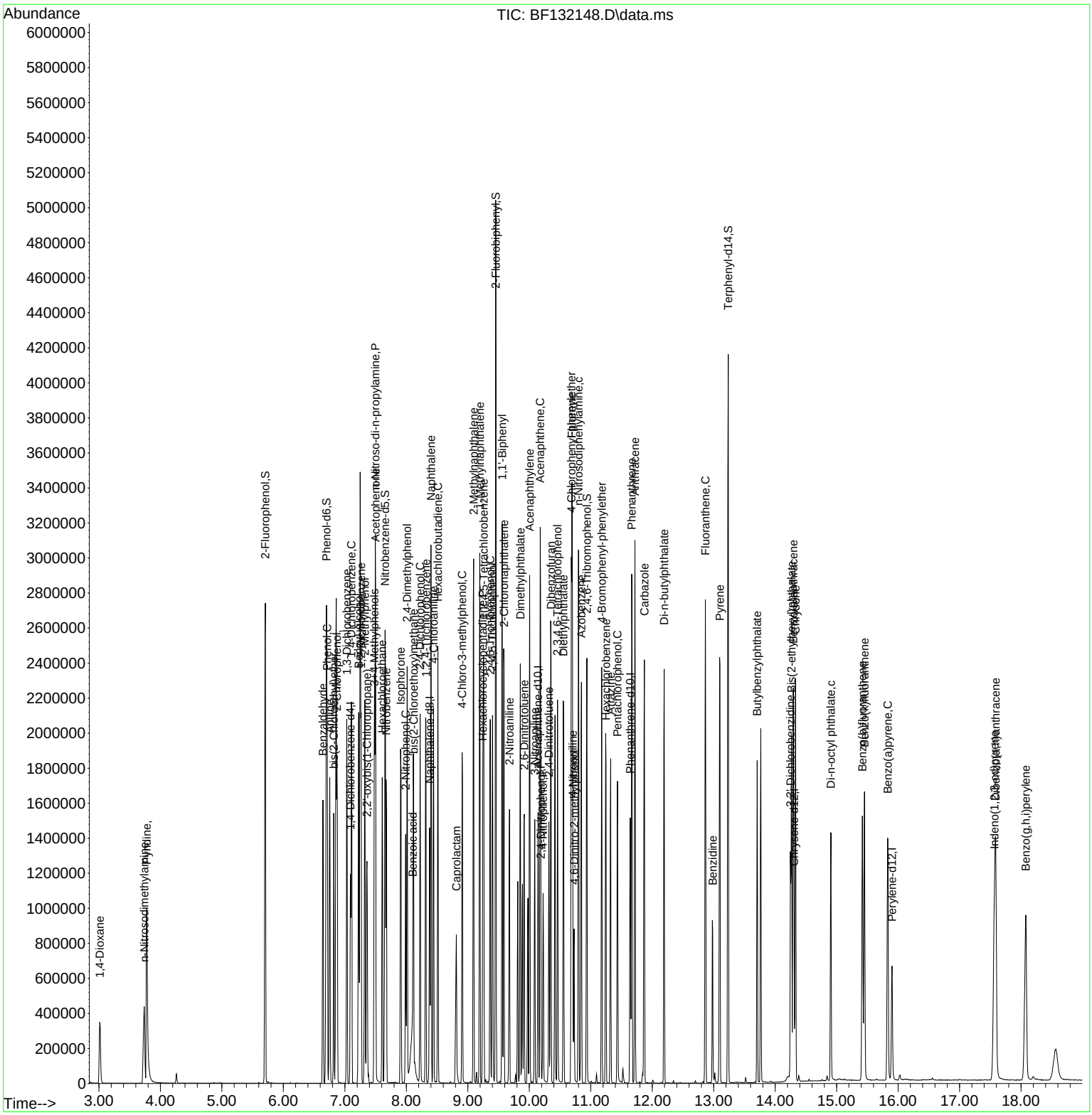
(#) = qualifier out of range (m) = manual integration (+) = signals summed

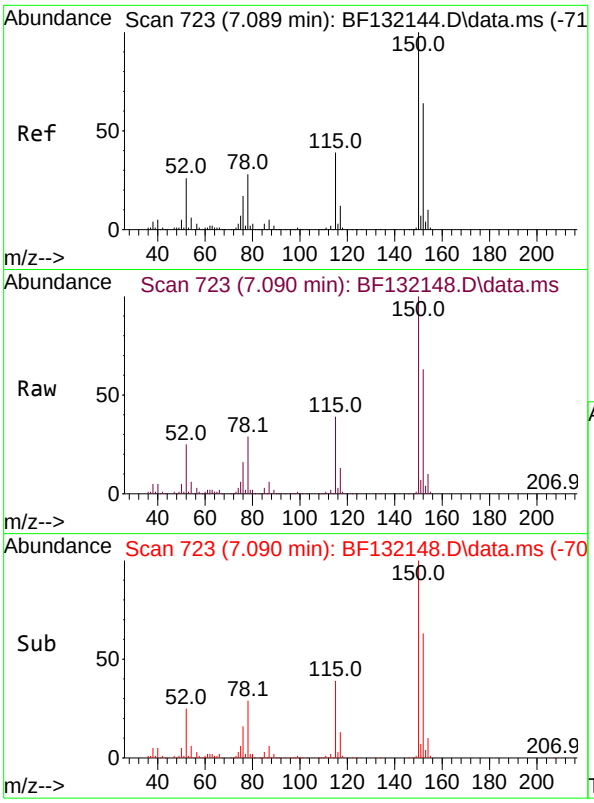
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132148.D
Acq On : 19 Jan 2023 15:44
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Quant Time: Jan 20 00:55:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration



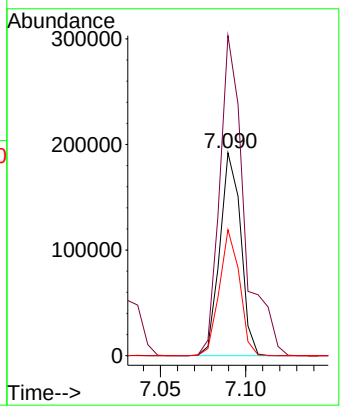


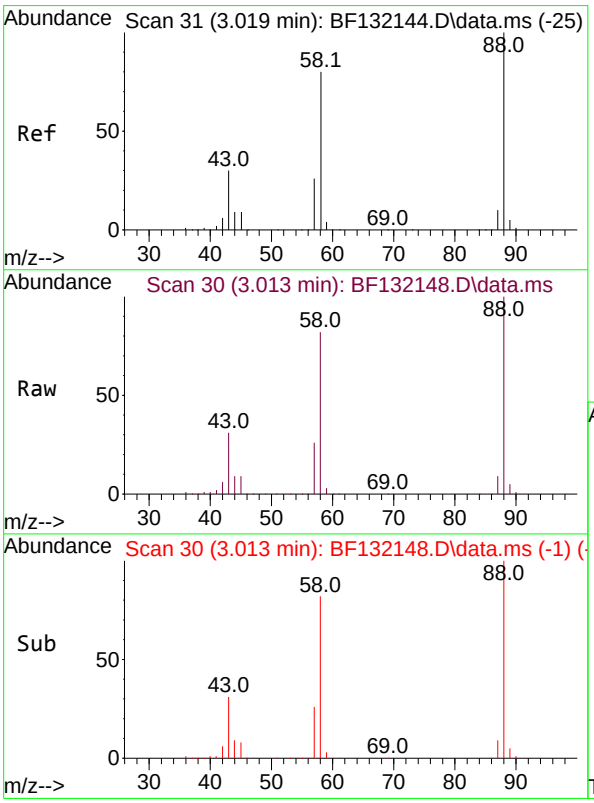
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.090 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:152 Resp: 163547

Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.8	188.8
115	62.0	49.2	73.8

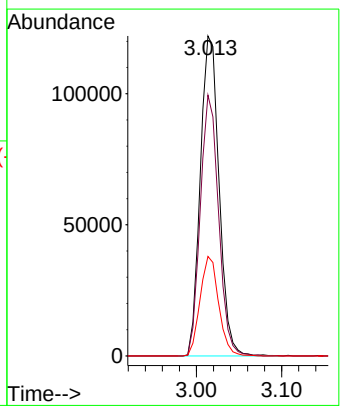


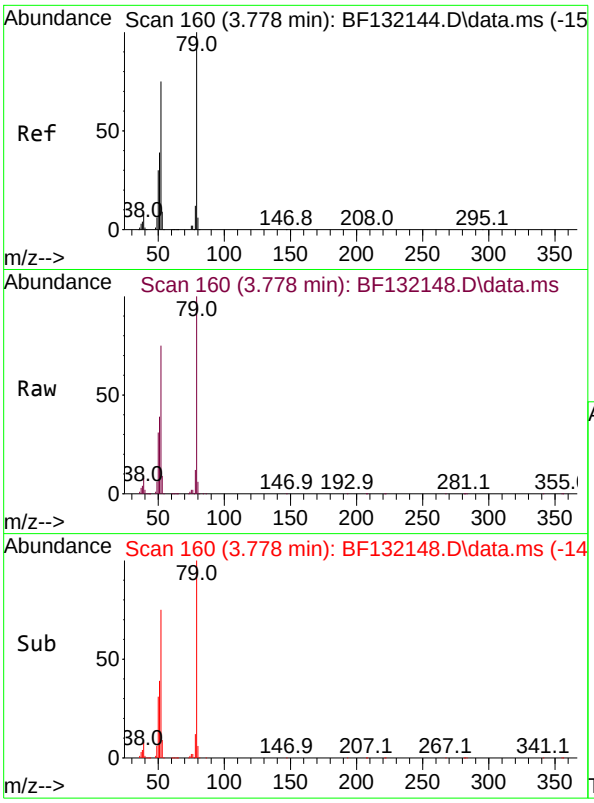


#2
1,4-Dioxane
Concen: 39.301 ng
RT: 3.013 min Scan# 30
Delta R.T. -0.006 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion: 88 Resp: 186409

Ion	Ratio	Lower	Upper
88	100		
58	79.4	64.0	96.0
43	30.8	24.2	36.4



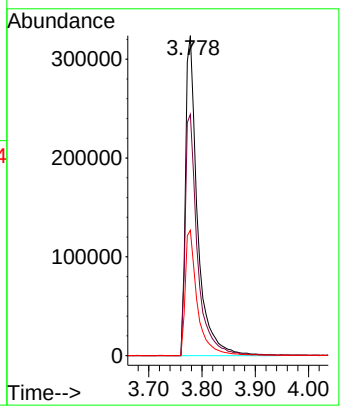


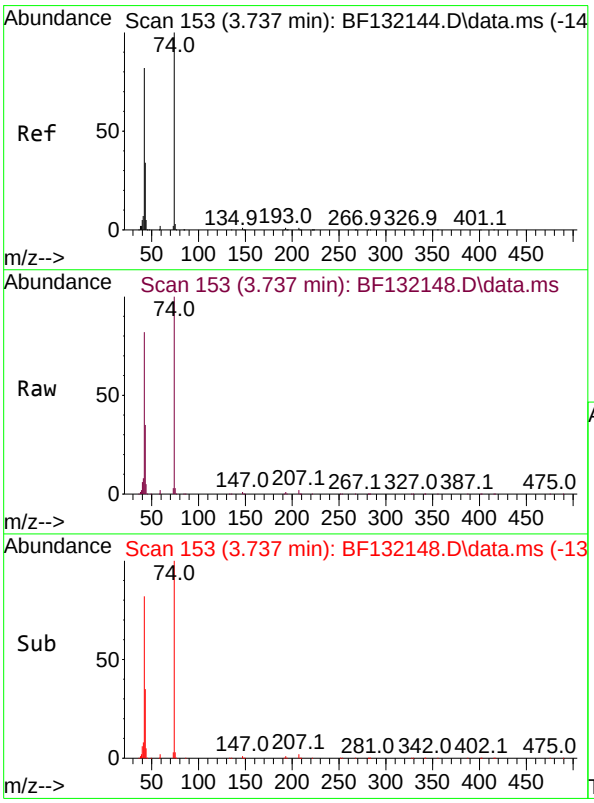
#3
Pyridine
Concen: 39.841 ng
RT: 3.778 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion: 79 Resp: 507287

Ion	Ratio	Lower	Upper
79	100		
52	75.4	60.1	90.1
51	39.2	31.4	47.0

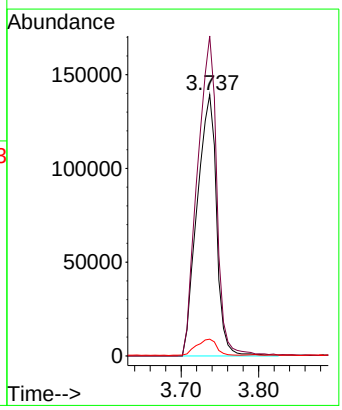


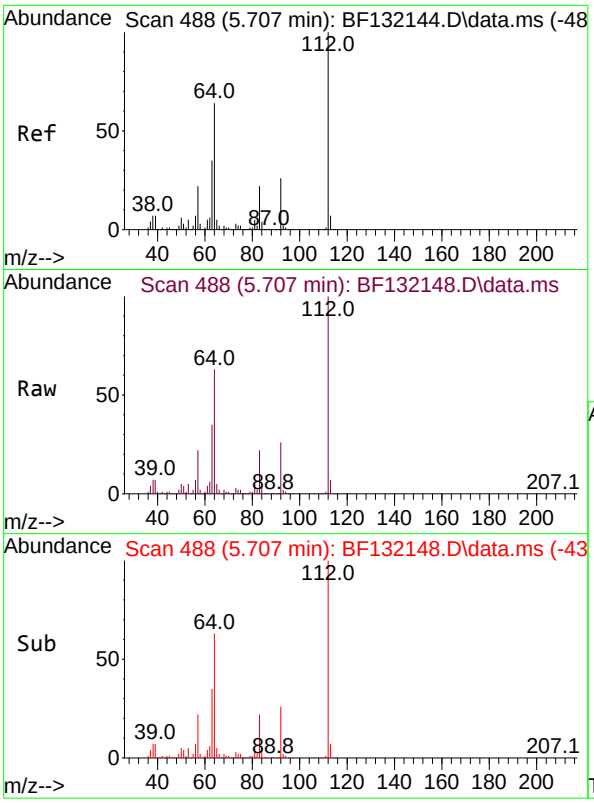


#4
n-Nitrosodimethylamine
Concen: 40.425 ng
RT: 3.737 min Scan# 153
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion: 42 Resp: 242074

Ion	Ratio	Lower	Upper
42	100		
74	122.5	98.1	147.1
44	6.4	5.2	7.8



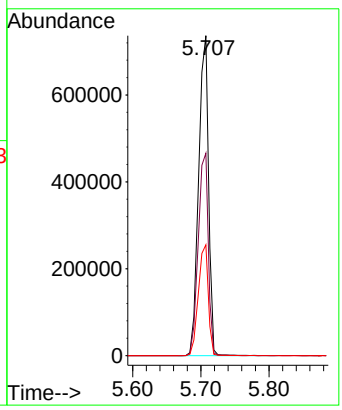


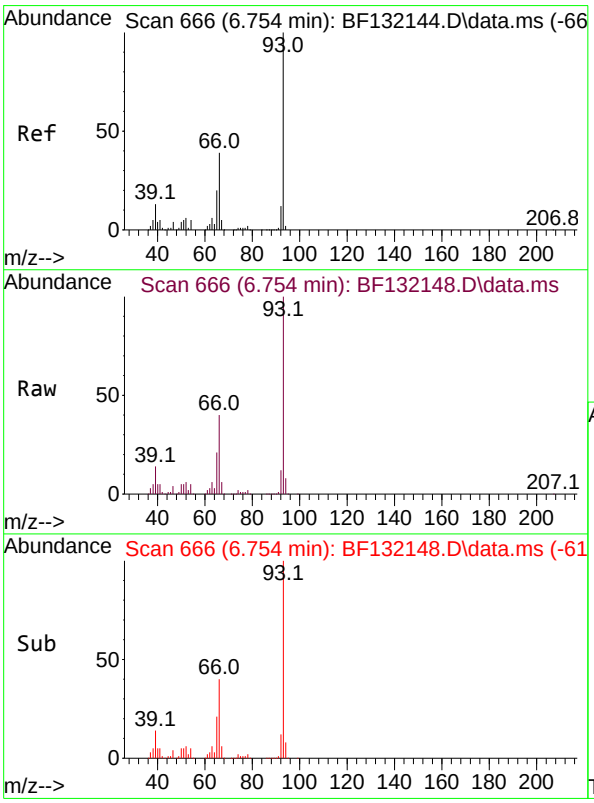
#5
2-Fluorophenol
Concen: 79.645 ng
RT: 5.707 min Scan# 48
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:112 Resp: 745654

Ion	Ratio	Lower	Upper
112	100		
64	63.2	51.4	77.0
63	34.6	28.2	42.2

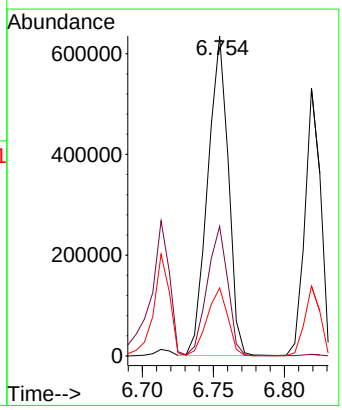


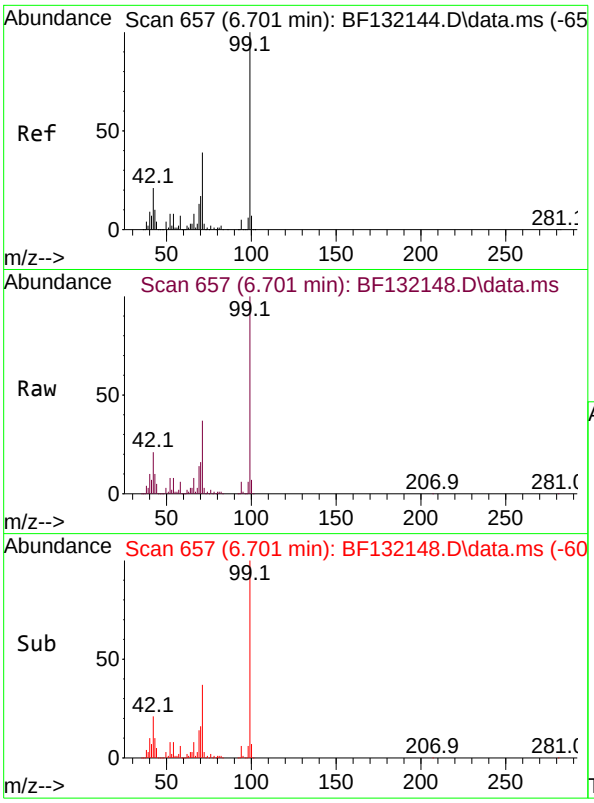


#6
Aniline
Concen: 39.256 ng
RT: 6.754 min Scan# 666
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion: 93 Resp: 640806

Ion	Ratio	Lower	Upper
93	100		
66	40.5	33.0	49.6
65	21.2	16.8	25.2



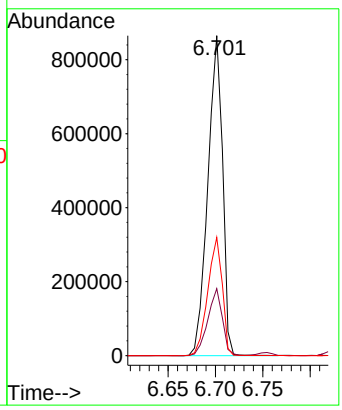


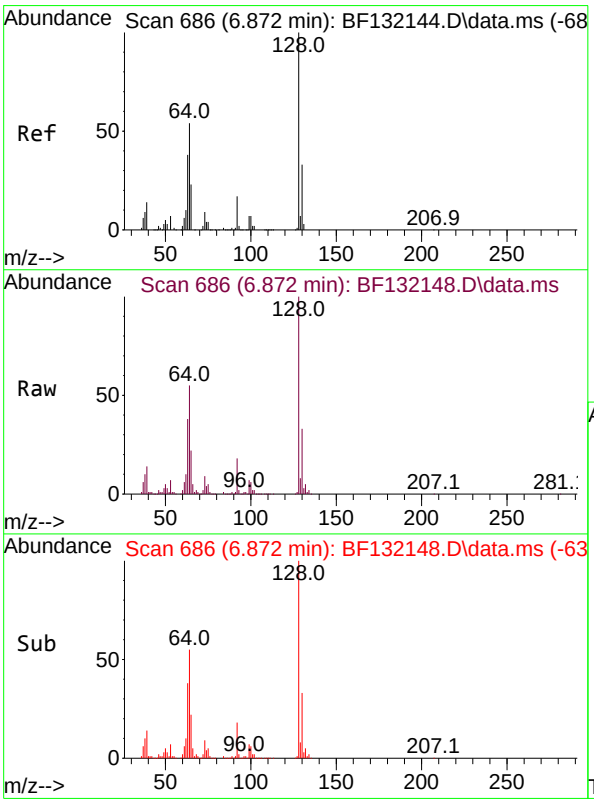
#7
Phenol-d6
Concen: 79.486 ng
RT: 6.701 min Scan# 6
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion: 99 Resp: 936762

Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.6	24.8
71	36.9	30.8	46.2

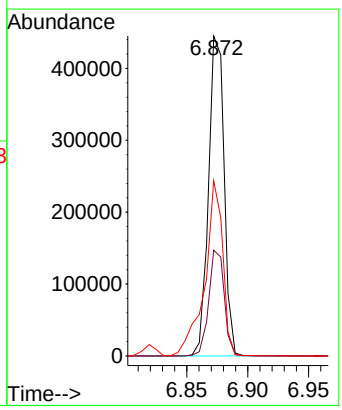


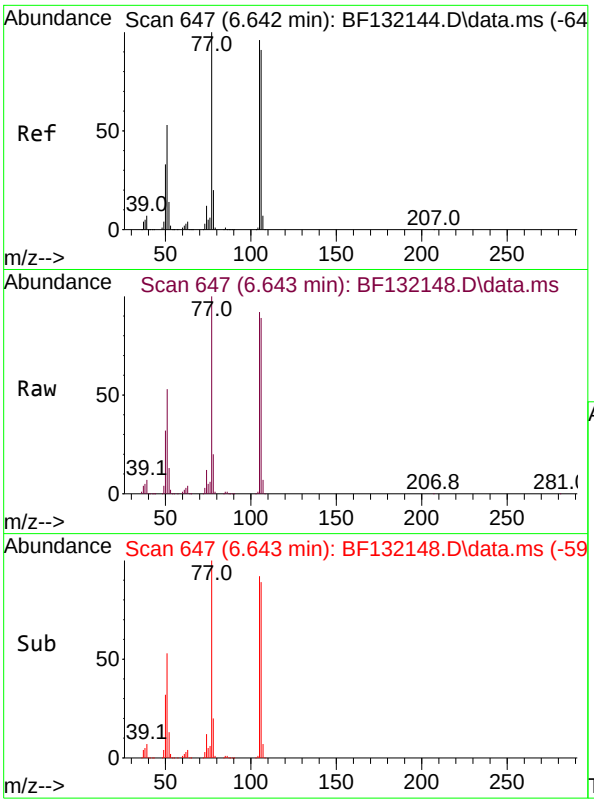


#8
2-Chlorophenol
Concen: 40.571 ng
RT: 6.872 min Scan# 686
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:128 Resp: 399260

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.8	52.8
64	54.7	34.8	74.8



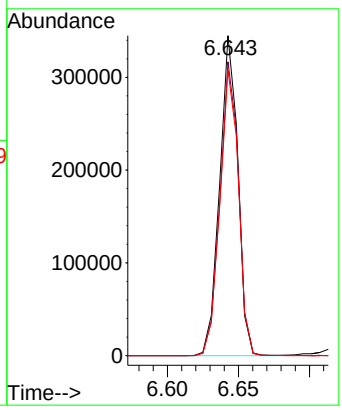


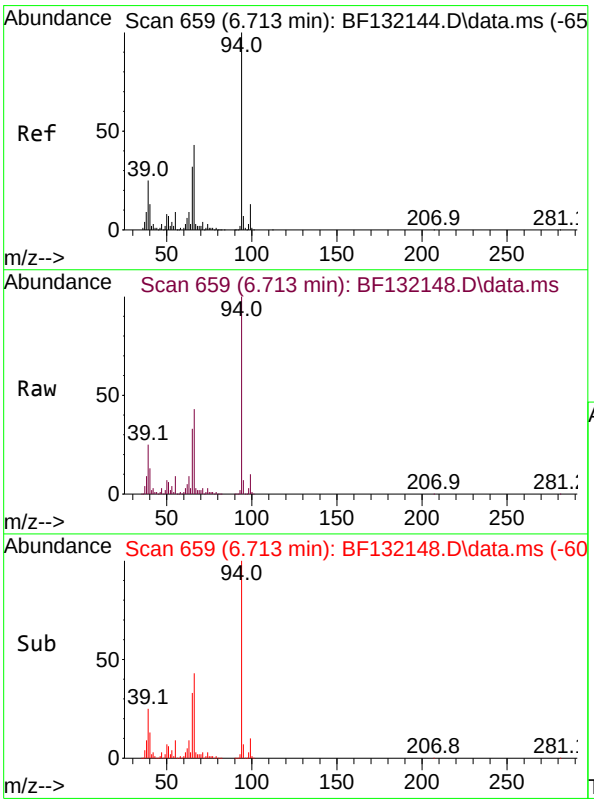
#9
Benzaldehyde
Concen: 40.632 ng
RT: 6.643 min Scan# 64
Delta R.T. 0.001 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion: 77 Resp: 308063

Ion	Ratio	Lower	Upper
77	100		
105	91.8	75.5	115.5
106	89.2	70.7	110.7

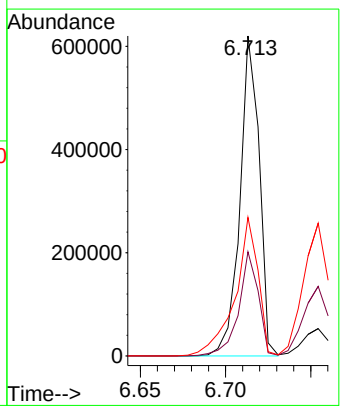


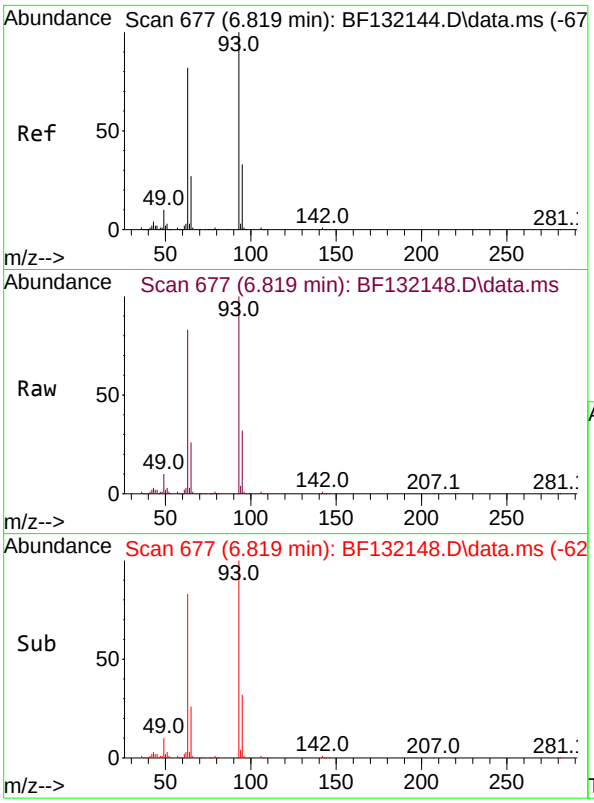


#10
Phenol
Concen: 39.701 ng
RT: 6.713 min Scan# 659
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion: 94 Resp: 487091

Ion	Ratio	Lower	Upper
94	100		
65	32.6	12.0	52.0
66	43.3	22.7	62.7



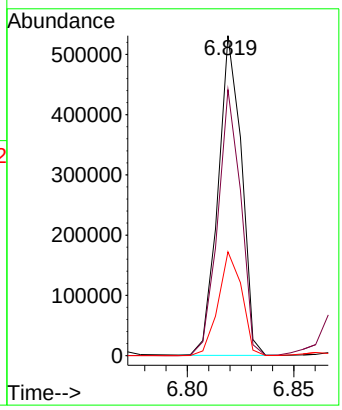


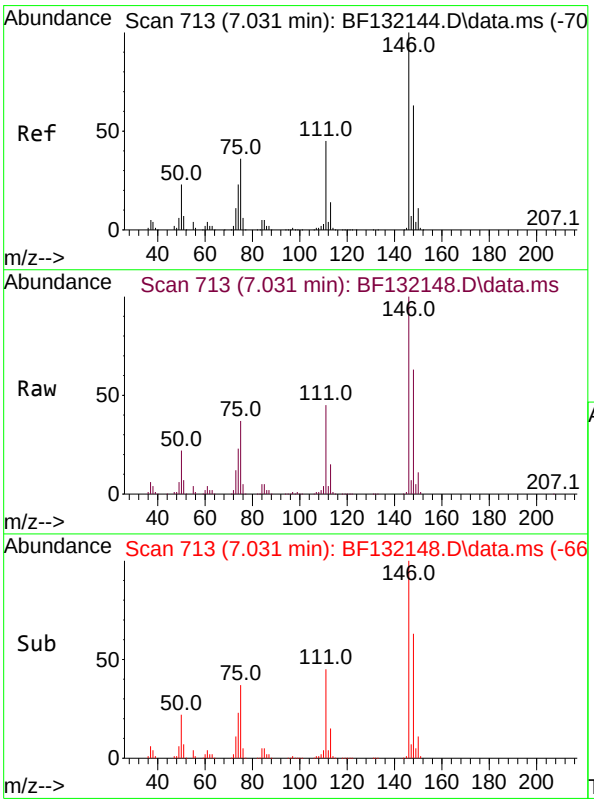
#11
bis(2-Chloroethyl)ether
Concen: 39.259 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion: 93 Resp: 407756

Ion	Ratio	Lower	Upper
93	100		
63	83.1	61.6	101.6
95	32.4	12.7	52.7

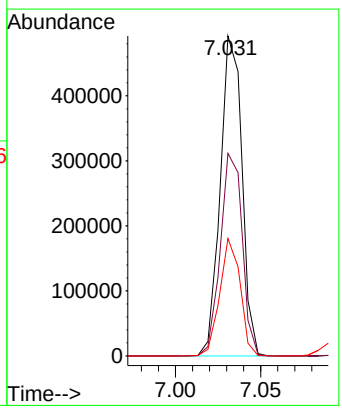


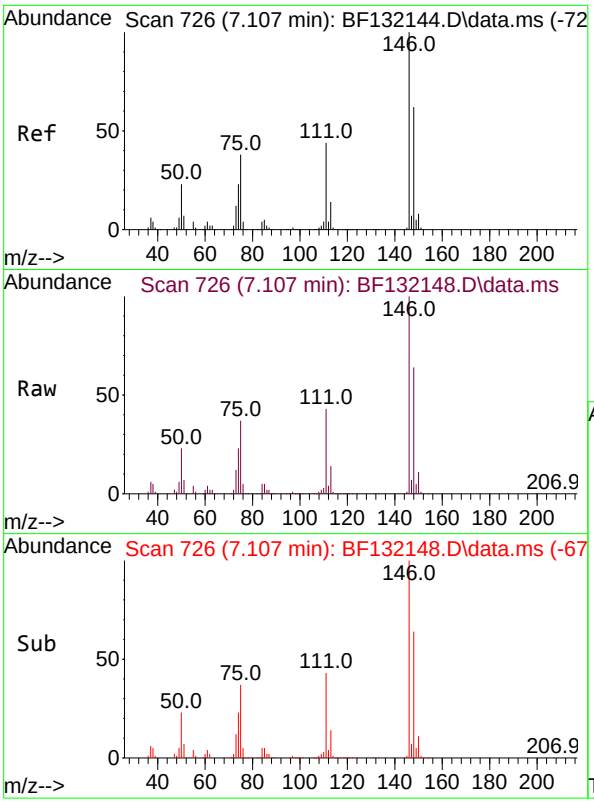


#12
1,3-Dichlorobenzene
Concen: 39.552 ng
RT: 7.031 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:146 Resp: 435096

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.0	75.0
75	36.7	28.8	43.2



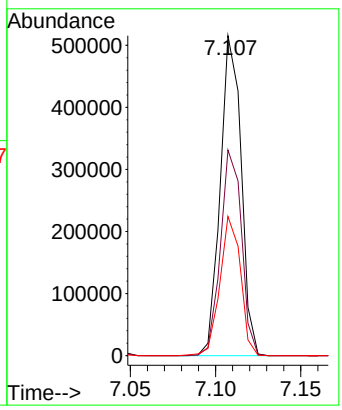


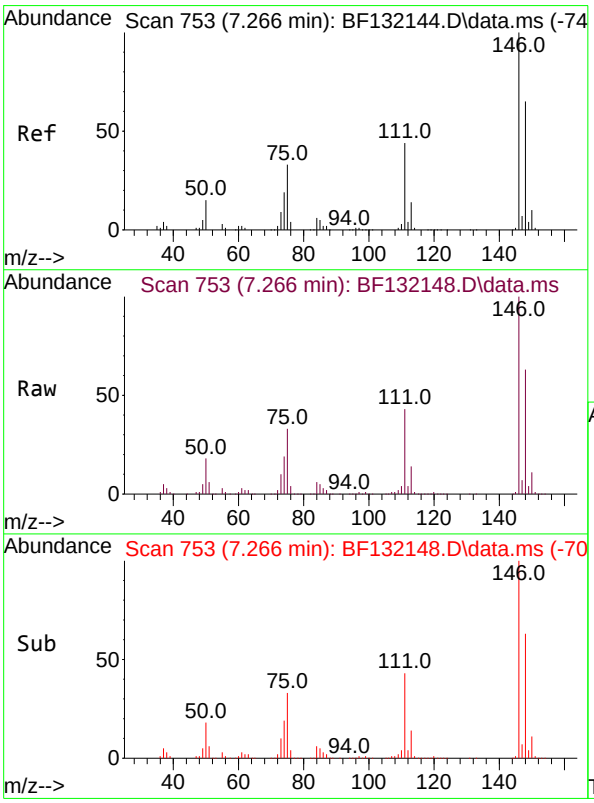
#13
1,4-Dichlorobenzene
Concen: 39.996 ng
RT: 7.107 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:146 Resp: 439030

Ion	Ratio	Lower	Upper
146	100		
148	64.2	49.9	74.9
111	43.5	35.2	52.8

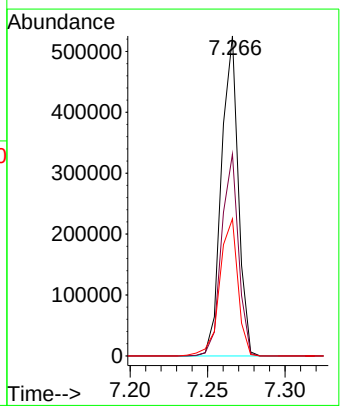


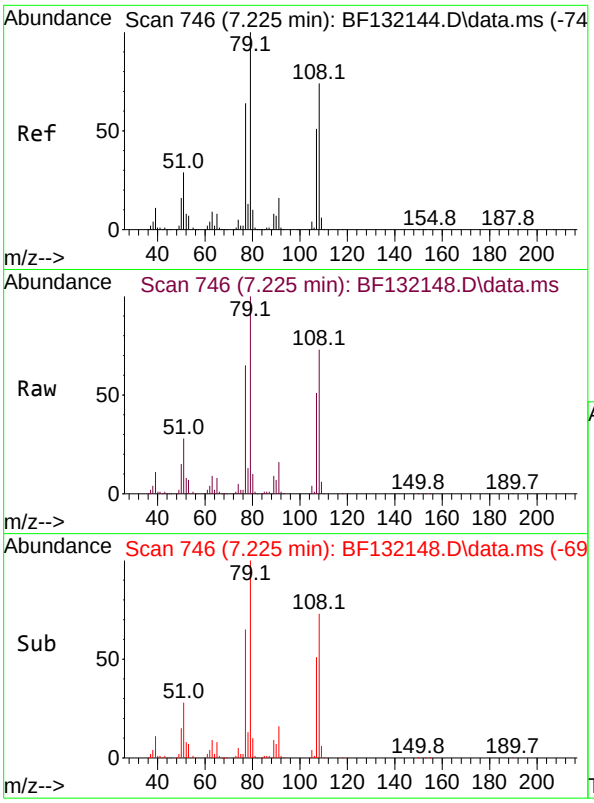


#14
1,2-Dichlorobenzene
Concen: 39.349 ng
RT: 7.266 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:146 Resp: 399382

Ion	Ratio	Lower	Upper
146	100		
148	63.1	52.0	78.0
111	42.8	35.4	53.2



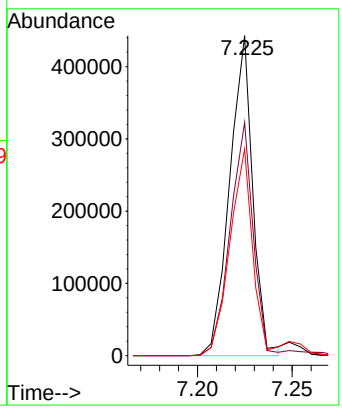


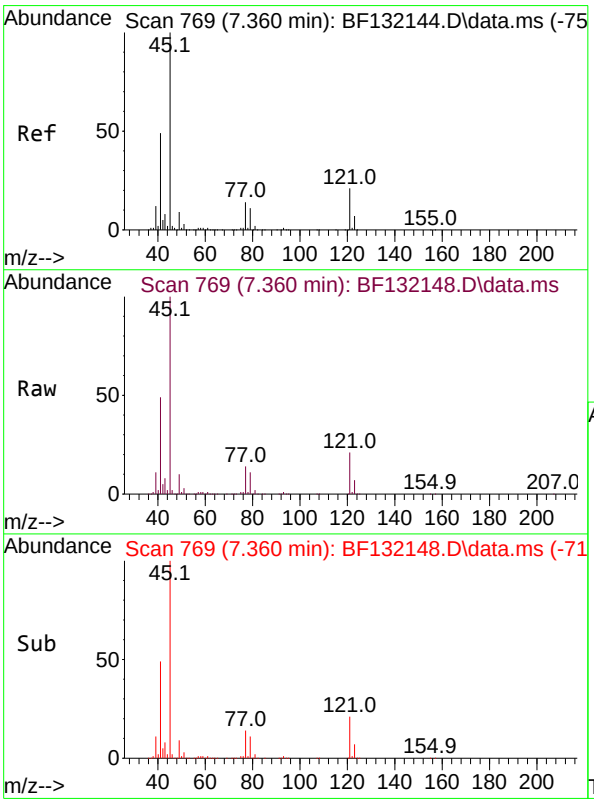
#15
Benzyl Alcohol
Concen: 41.551 ng
RT: 7.225 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion: 79 Resp: 374565

Ion	Ratio	Lower	Upper
79	100		
108	72.9	58.9	88.3
77	64.6	51.1	76.7

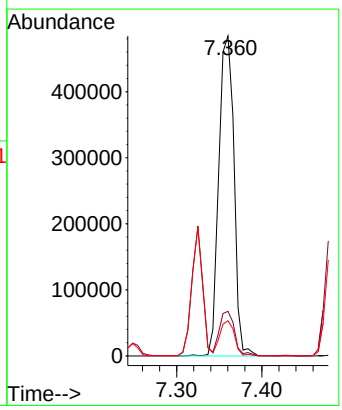


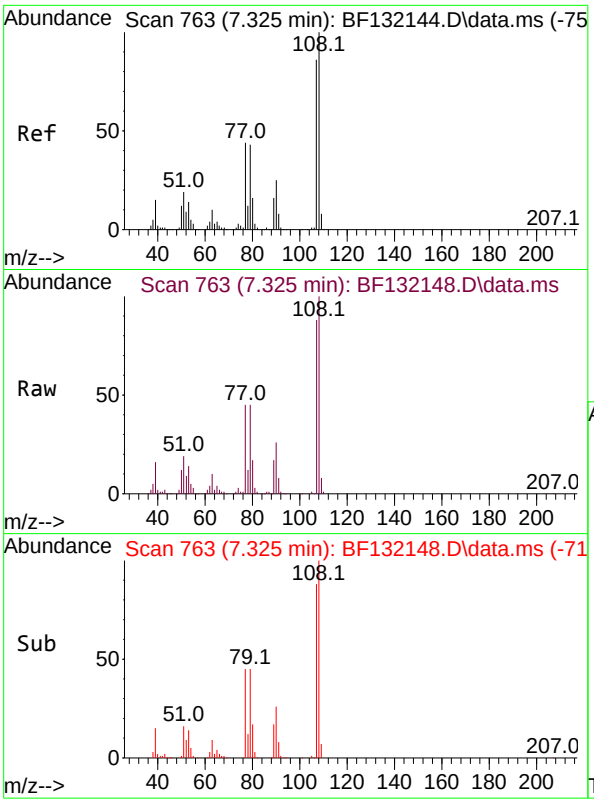


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.664 ng
RT: 7.360 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion: 45 Resp: 598742

Ion	Ratio	Lower	Upper
45	100		
77	14.0	0.0	34.3
79	11.0	0.0	30.9



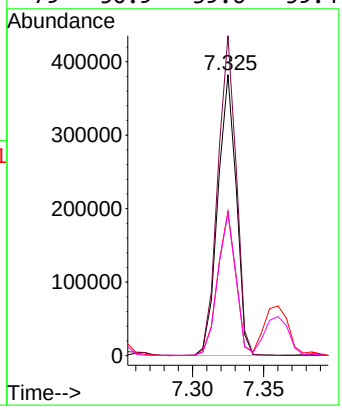


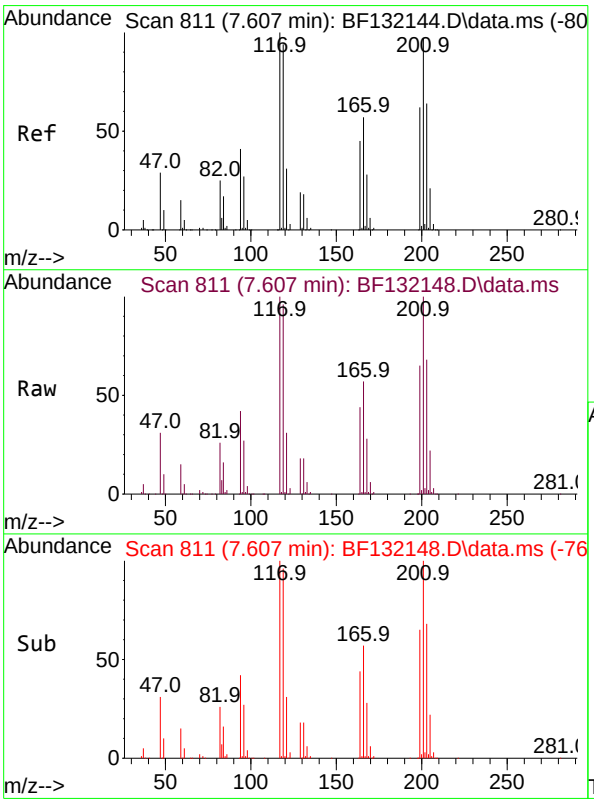
#17
2-Methylphenol
Concen: 40.067 ng
RT: 7.325 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:107 Resp: 345436

Ion	Ratio	Lower	Upper
107	100		
108	113.9	92.8	139.2
77	51.4	41.1	61.7
79	50.9	39.6	59.4

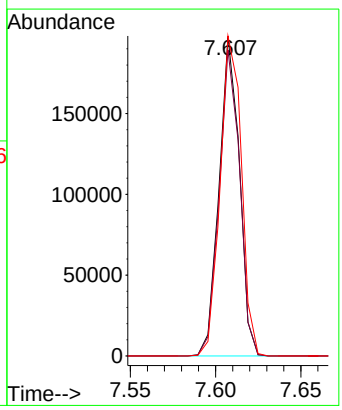


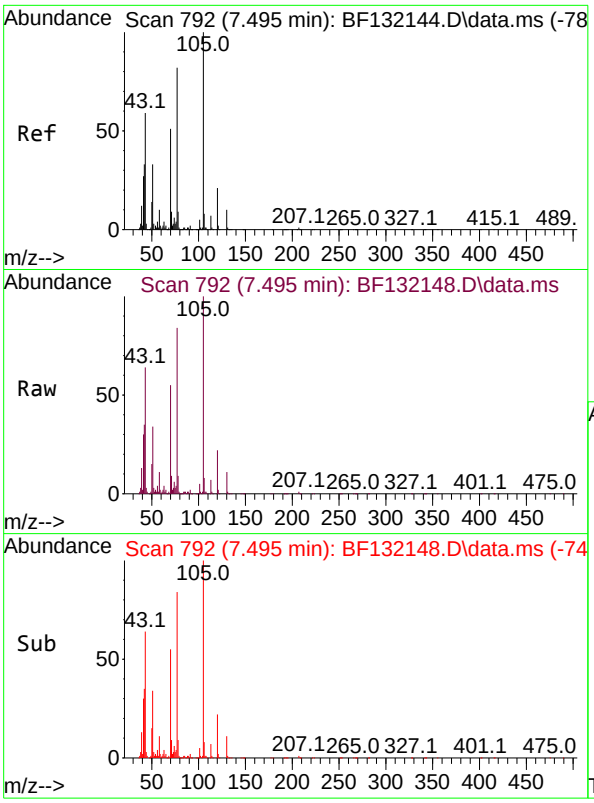


#18
Hexachloroethane
Concen: 41.373 ng
RT: 7.607 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:117 Resp: 163023

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.4	113.0
201	100.0	77.9	116.9



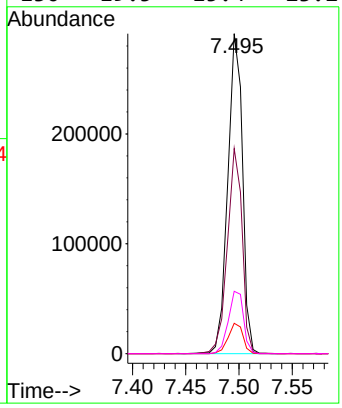


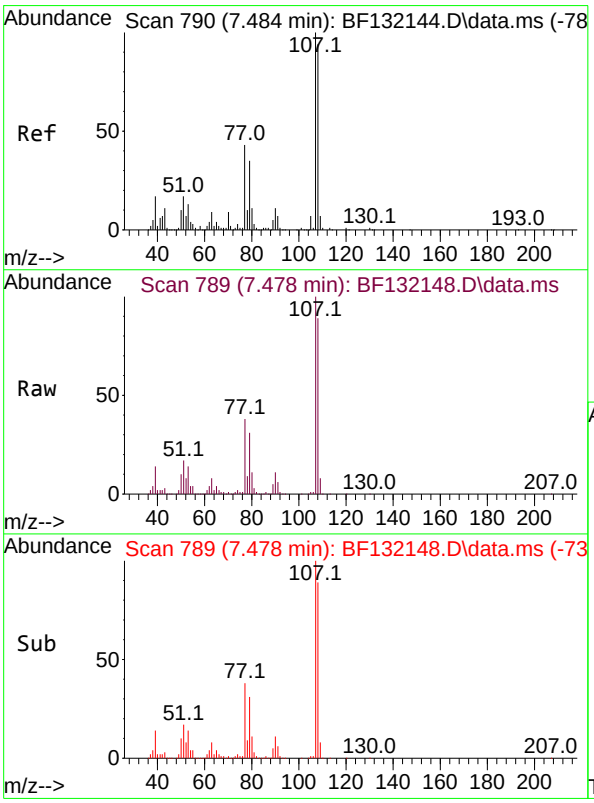
#19
n-Nitroso-di-n-propylamine
Concen: 38.753 ng
RT: 7.495 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion: 70 Resp: 279754

Ion	Ratio	Lower	Upper
70	100		
42	64.1	51.0	76.4
101	9.5	7.3	10.9
130	19.5	15.4	23.2

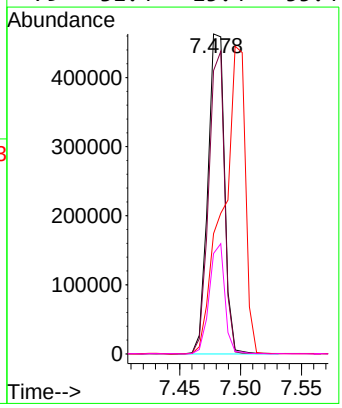


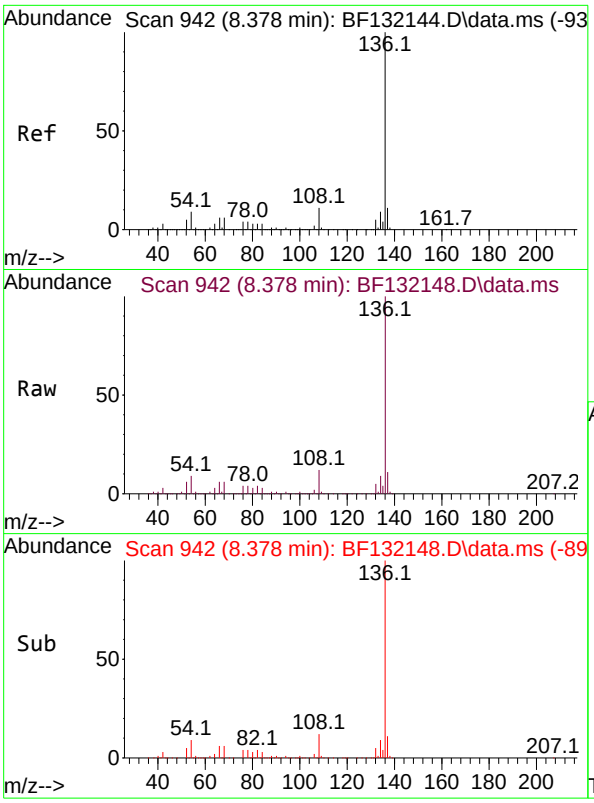


#20
3+4-Methylphenols
Concen: 40.648 ng
RT: 7.478 min Scan# 789
Delta R.T. -0.006 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:107 Resp: 441586

Ion	Ratio	Lower	Upper
107	100		
108	88.5	73.8	113.8
77	37.6	22.8	62.8
79	31.4	15.4	55.4



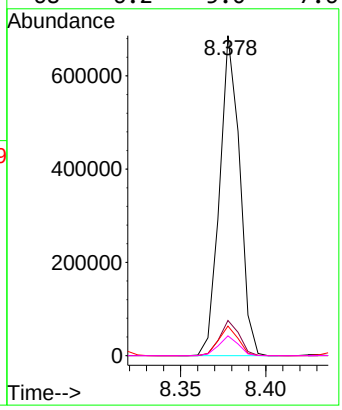


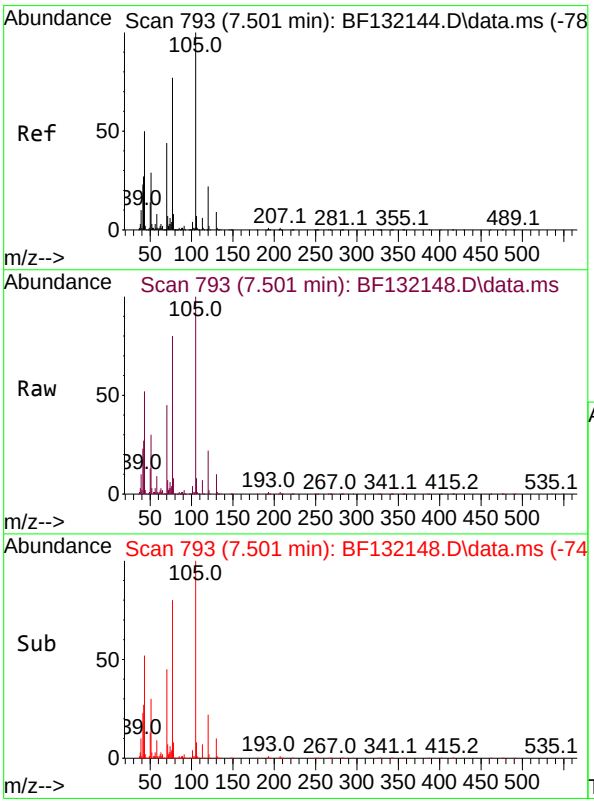
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.378 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:136 Resp: 561606

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.2	7.0	10.6
68	6.2	5.0	7.6

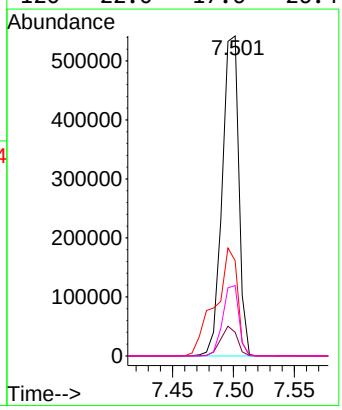


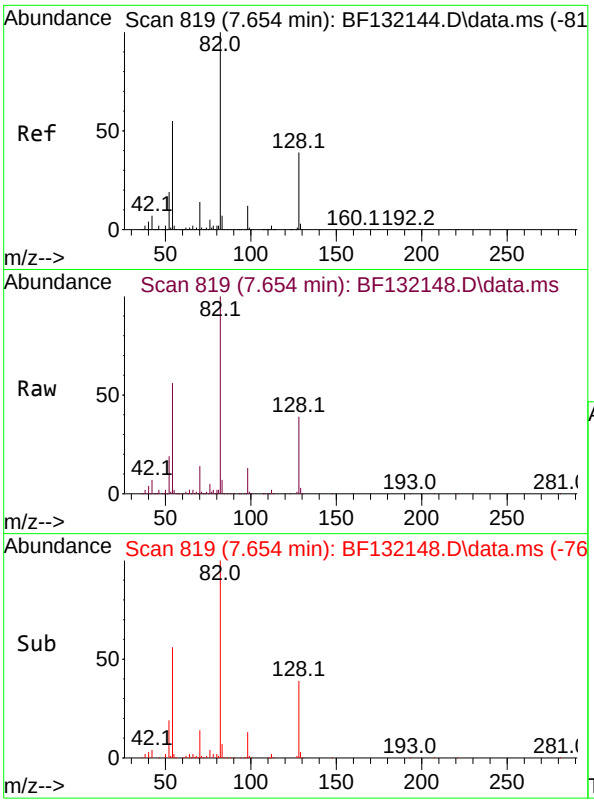


#22
Acetophenone
Concen: 38.155 ng
RT: 7.501 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:105 Resp: 515033

Ion	Ratio	Lower	Upper
105	100		
71	7.4	5.8	8.6
51	29.7	23.0	34.6
120	22.0	17.6	26.4



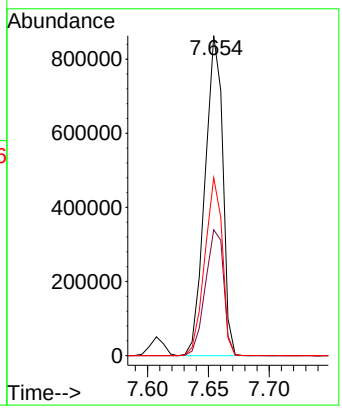


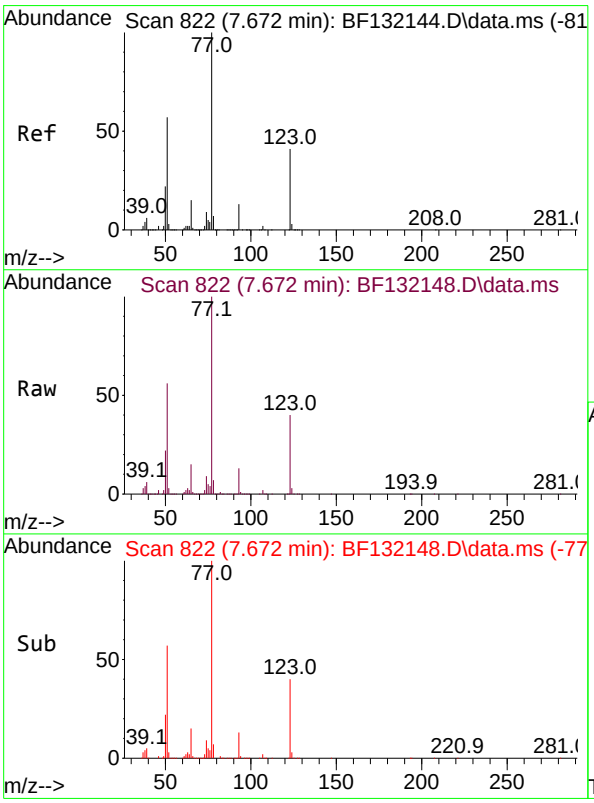
#23
Nitrobenzene-d5
Concen: 82.897 ng
RT: 7.654 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion: 82 Resp: 876371

Ion	Ratio	Lower	Upper
82	100		
128	39.3	31.1	46.7
54	55.6	43.9	65.9

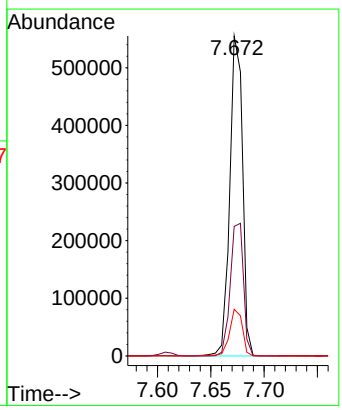


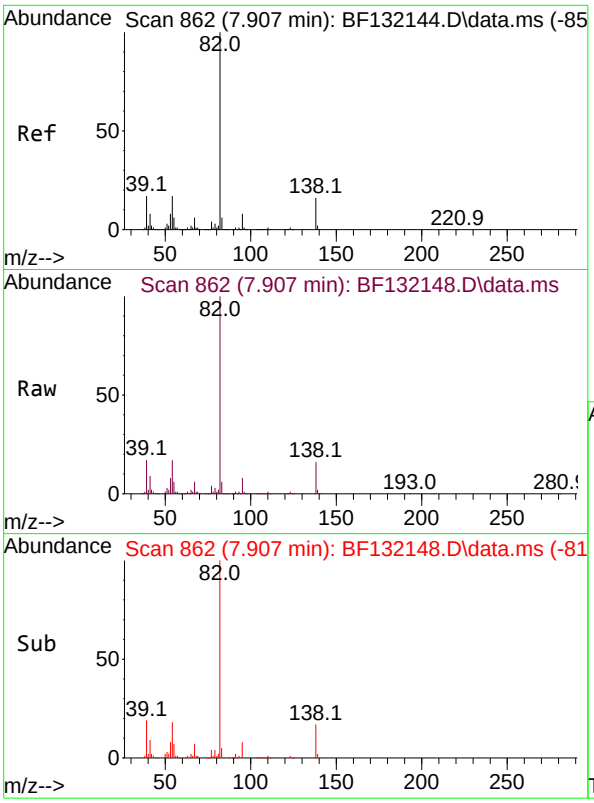


#24
Nitrobenzene
Concen: 41.232 ng
RT: 7.672 min Scan# 822
Delta R.T. -0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion: 77 Resp: 461525

Ion	Ratio	Lower	Upper
77	100		
123	40.5	33.1	49.7
65	14.6	11.7	17.5



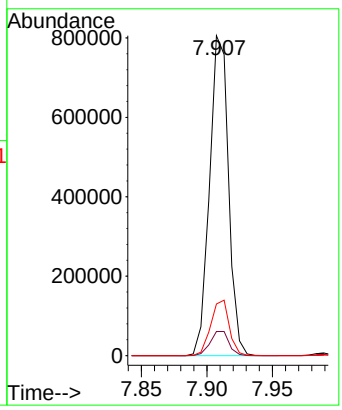


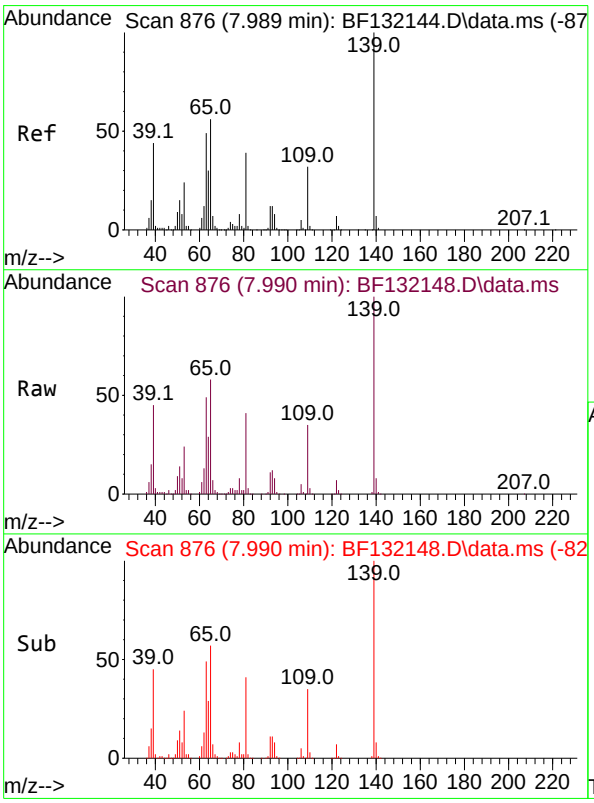
#25
Isophorone
Concen: 39.224 ng
RT: 7.907 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion: 82 Resp: 811356

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.2	9.2
138	16.1	12.9	19.3

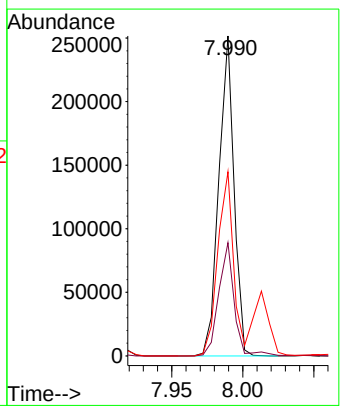


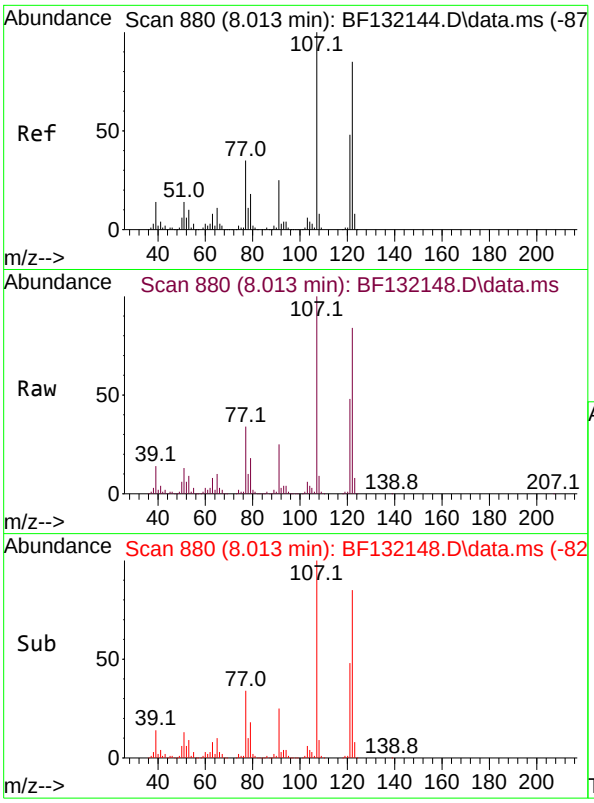


#26
2-Nitrophenol
Concen: 44.494 ng
RT: 7.990 min Scan# 876
Delta R.T. 0.001 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:139 Resp: 188076

Ion	Ratio	Lower	Upper
139	100		
109	35.4	25.8	38.8
65	57.5	44.6	66.8



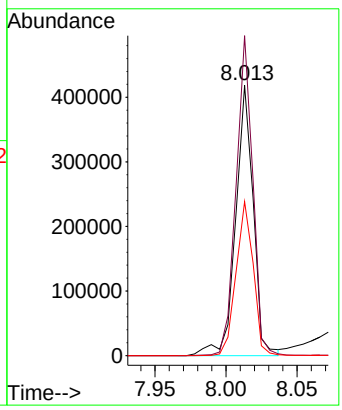


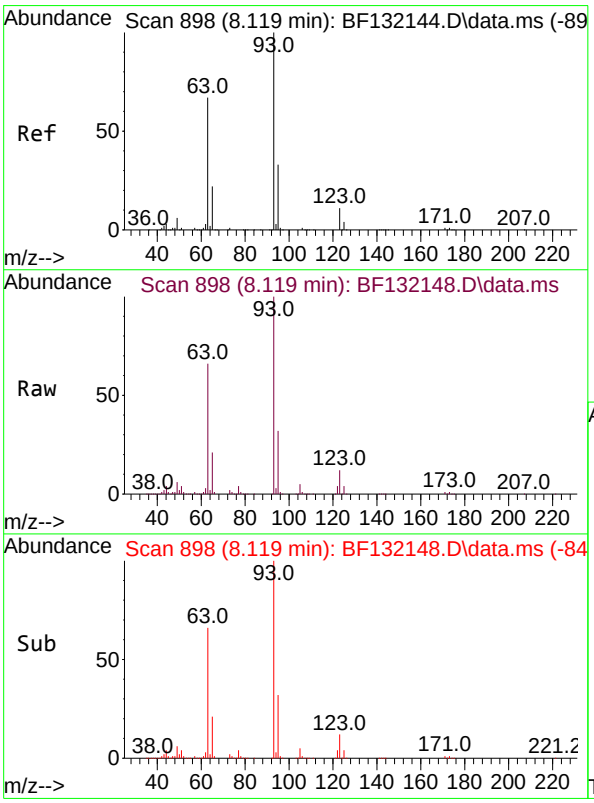
#27
2,4-Dimethylphenol
Concen: 40.276 ng
RT: 8.013 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:122 Resp: 360494

Ion	Ratio	Lower	Upper
122	100		
107	118.4	94.2	141.4
121	57.0	45.6	68.4

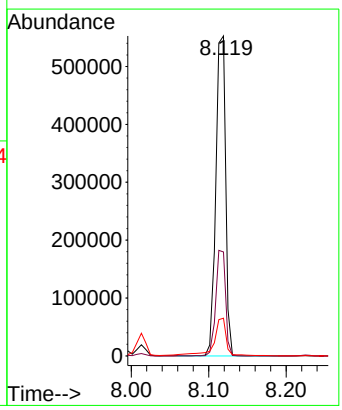


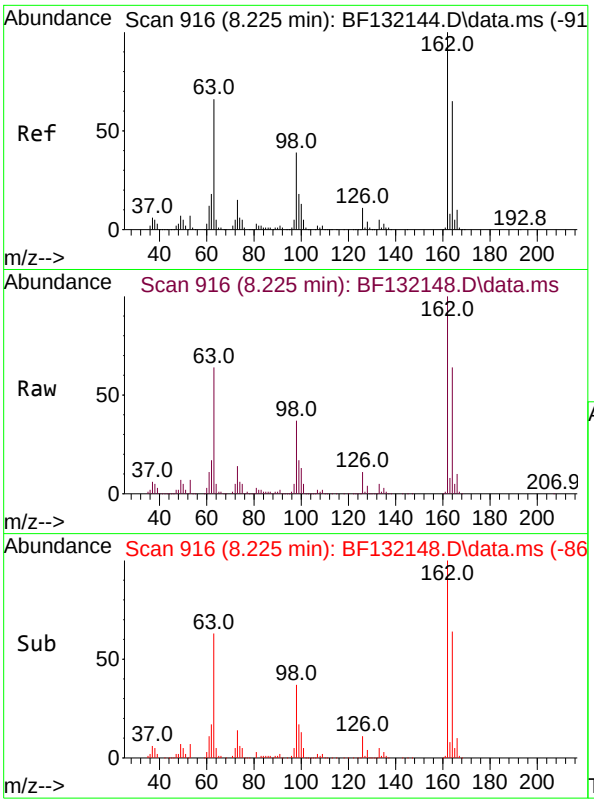


#28
bis(2-Chloroethoxy)methane
Concen: 39.240 ng
RT: 8.119 min Scan# 898
Delta R.T. -0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion: 93 Resp: 487002

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.2	39.2
123	11.8	9.1	13.7



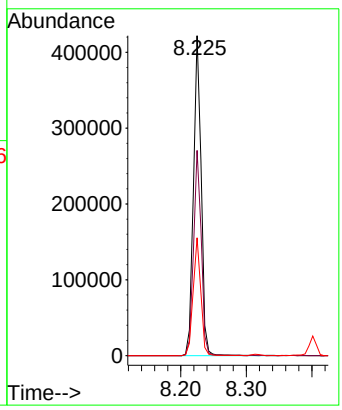


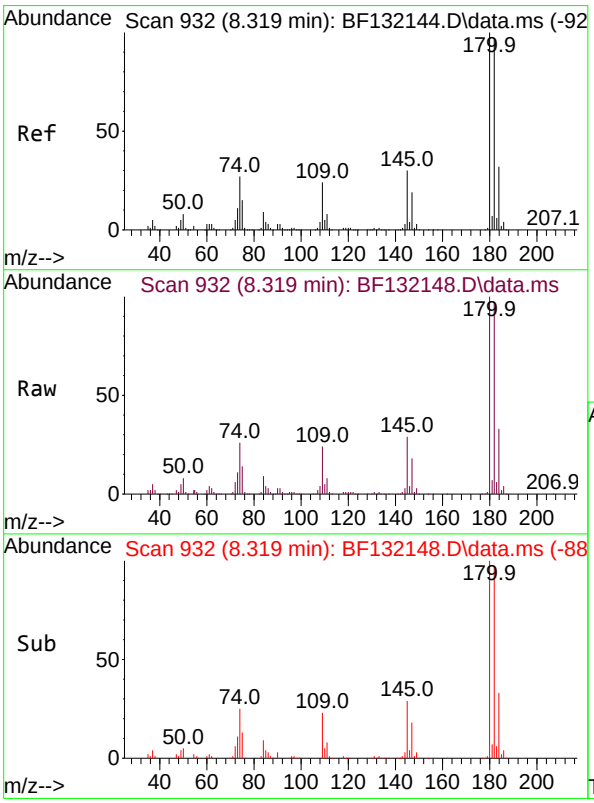
#29
2,4-Dichlorophenol
Concen: 40.736 ng
RT: 8.225 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:162 Resp: 346157

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.7	84.7
98	36.8	18.8	58.8

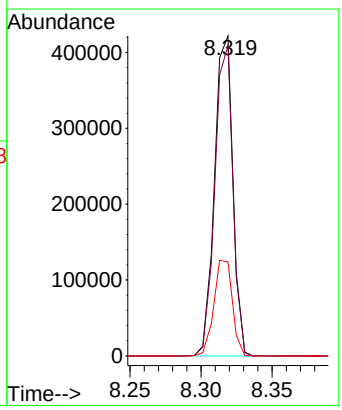


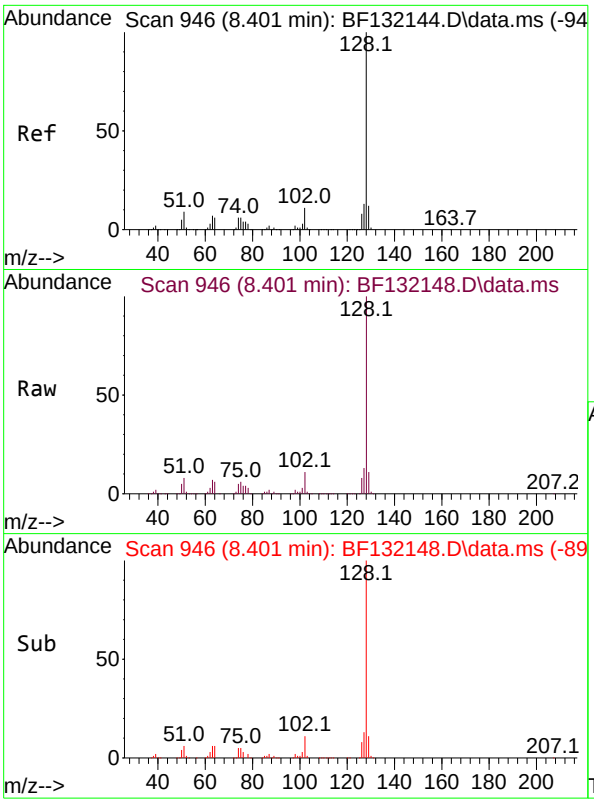


#30
1,2,4-Trichlorobenzene
Concen: 39.345 ng
RT: 8.319 min Scan# 932
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:180 Resp: 379741

Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.4	116.0
145	29.4	23.8	35.6



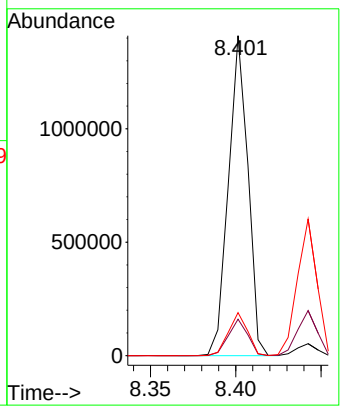


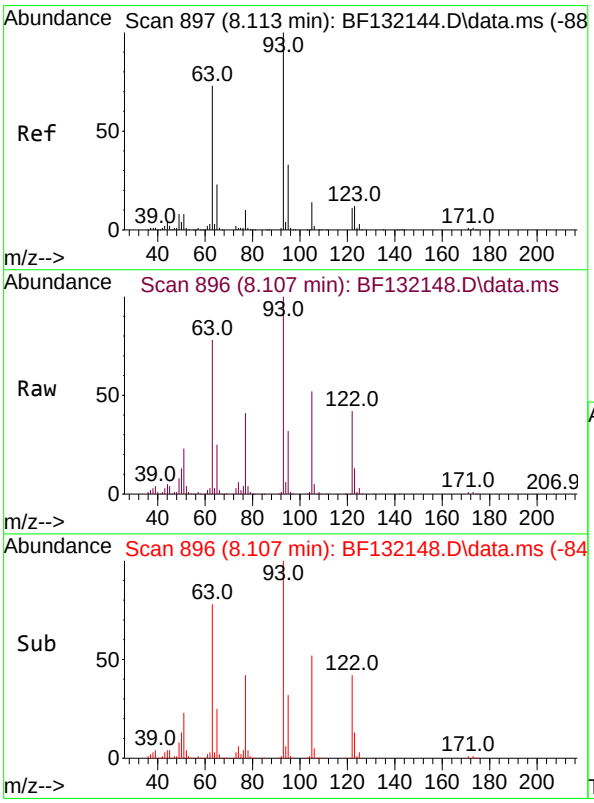
#31
Naphthalene
Concen: 38.858 ng
RT: 8.401 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:128 Resp: 1120785

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	13.4	10.6	15.8

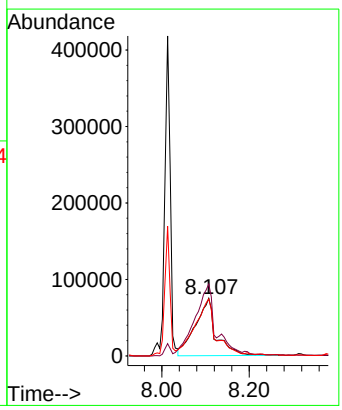


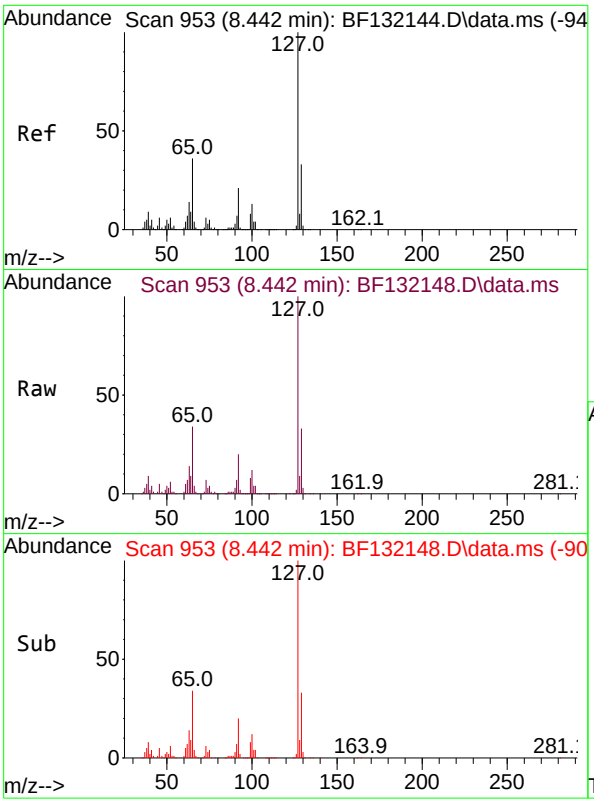


#32
Benzoic acid
Concen: 42.386 ng
RT: 8.107 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:122 Resp: 246749

Ion	Ratio	Lower	Upper
122	100		
105	124.9	96.8	136.8
77	99.4	72.5	112.5



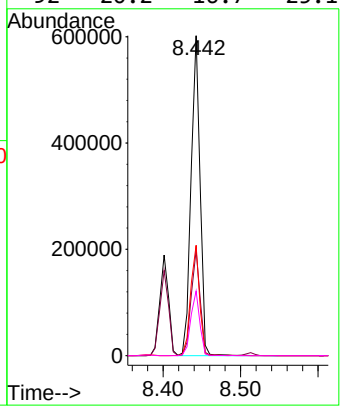


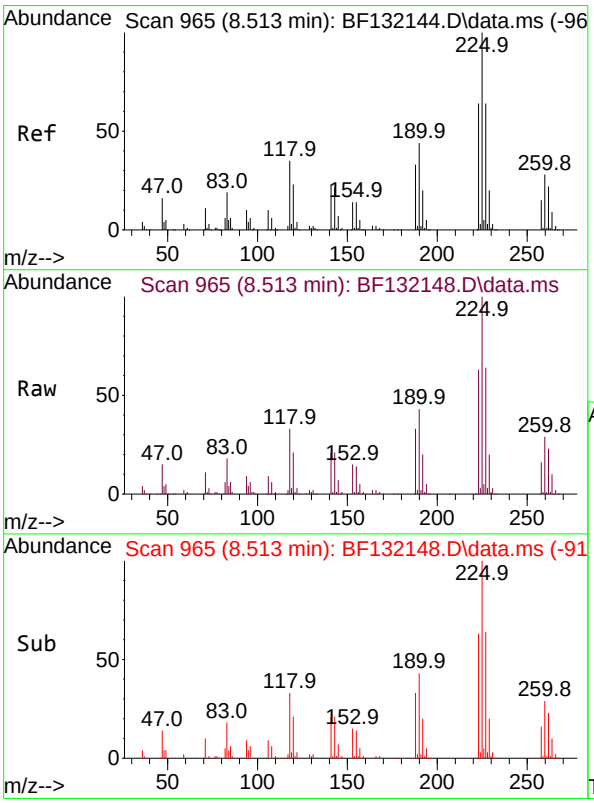
#33
4-Chloroaniline
Concen: 39.292 ng
RT: 8.442 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:127 Resp: 484982

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.0	39.0
65	34.5	28.4	42.6
92	20.2	16.7	25.1

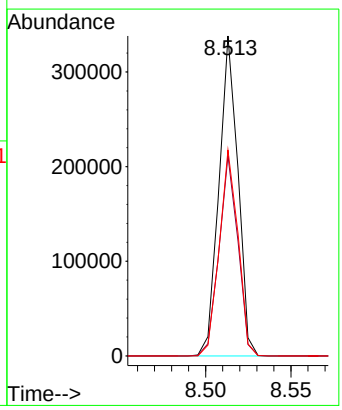


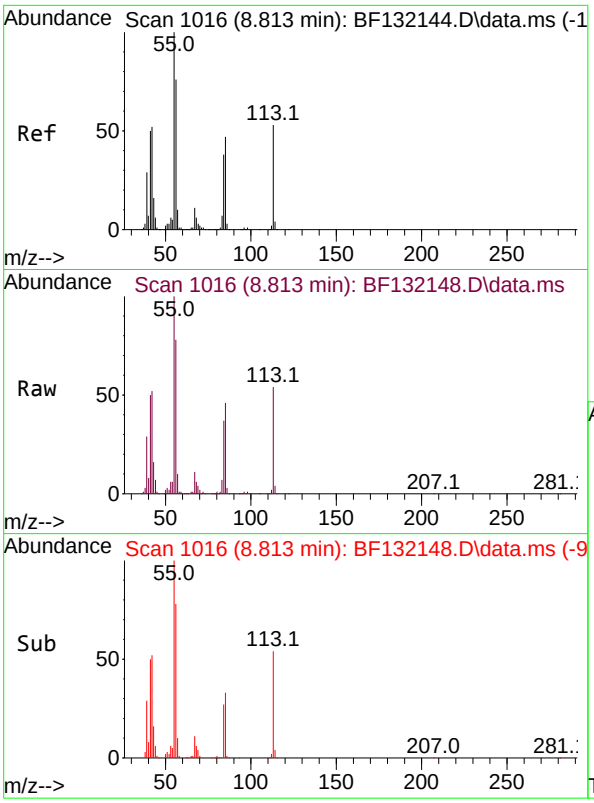


#34
Hexachlorobutadiene
Concen: 40.159 ng
RT: 8.513 min Scan# 965
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:225 Resp: 260381

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.9	76.3
227	64.3	50.8	76.2



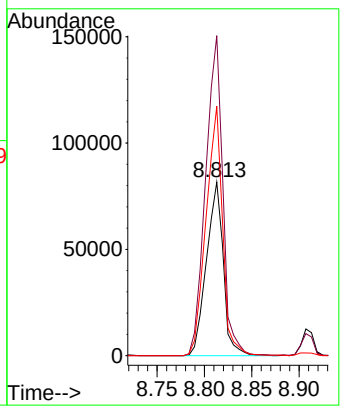


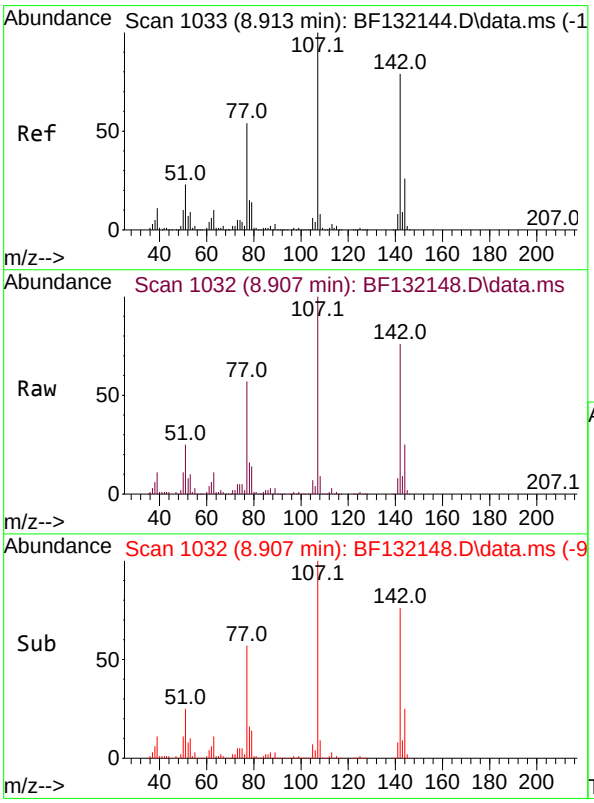
#35
Caprolactam
Concen: 41.792 ng
RT: 8.813 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:113 Resp: 100708

Ion	Ratio	Lower	Upper
113	100		
55	184.4	167.5	207.5
56	143.7	122.0	162.0

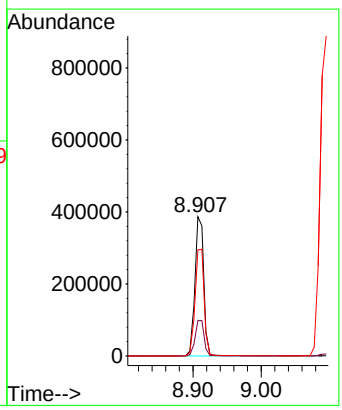


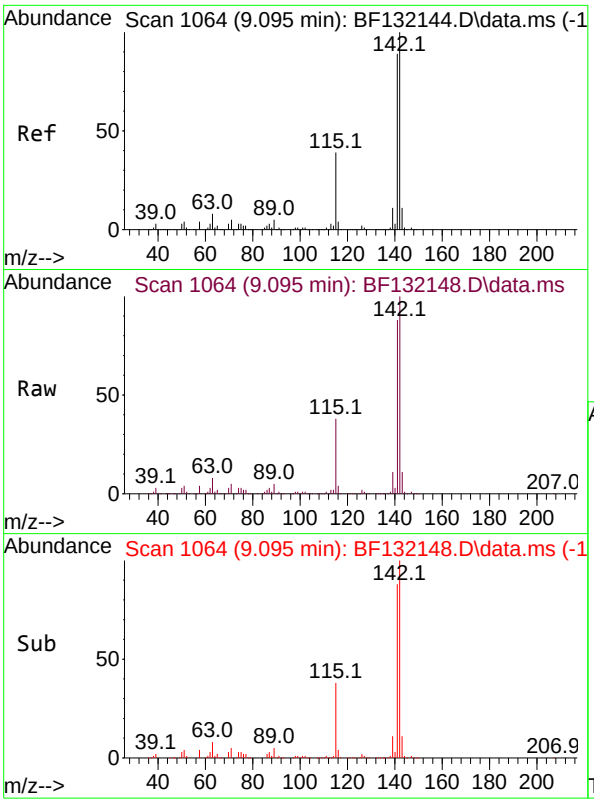


#36
4-Chloro-3-methylphenol
Concen: 40.638 ng
RT: 8.907 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:107 Resp: 347512

Ion	Ratio	Lower	Upper
107	100		
144	25.3	21.0	31.4
142	76.2	63.6	95.4



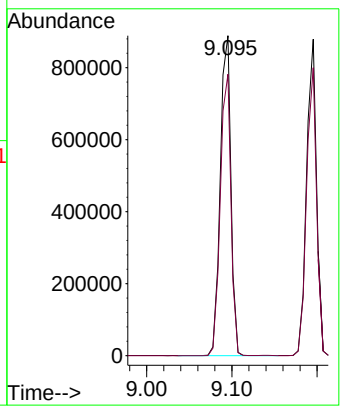


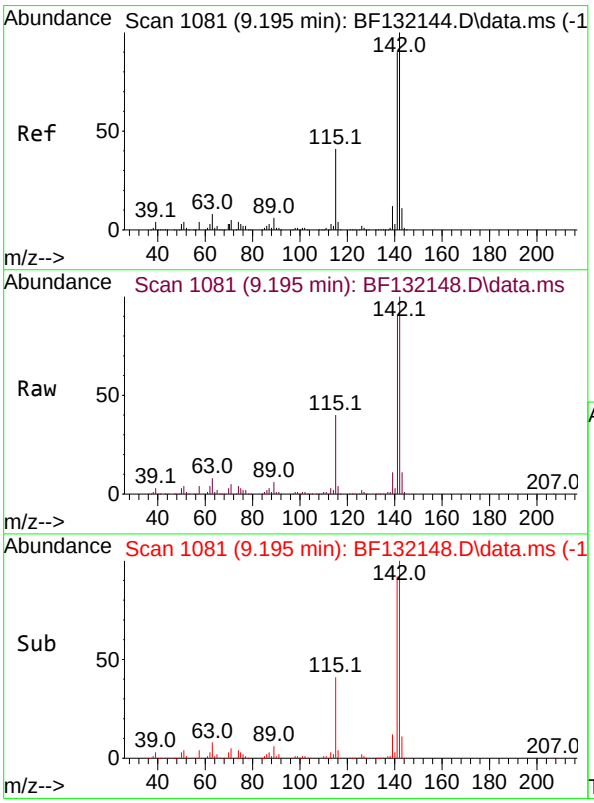
#37
2-Methylnaphthalene
Concen: 38.851 ng
RT: 9.095 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:142 Resp: 771500

Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.1	106.7

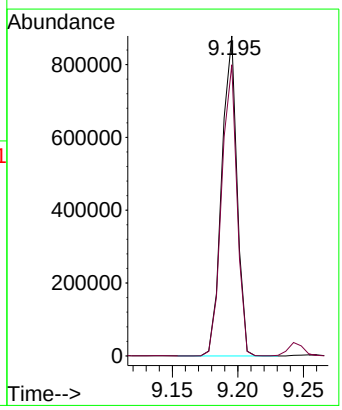


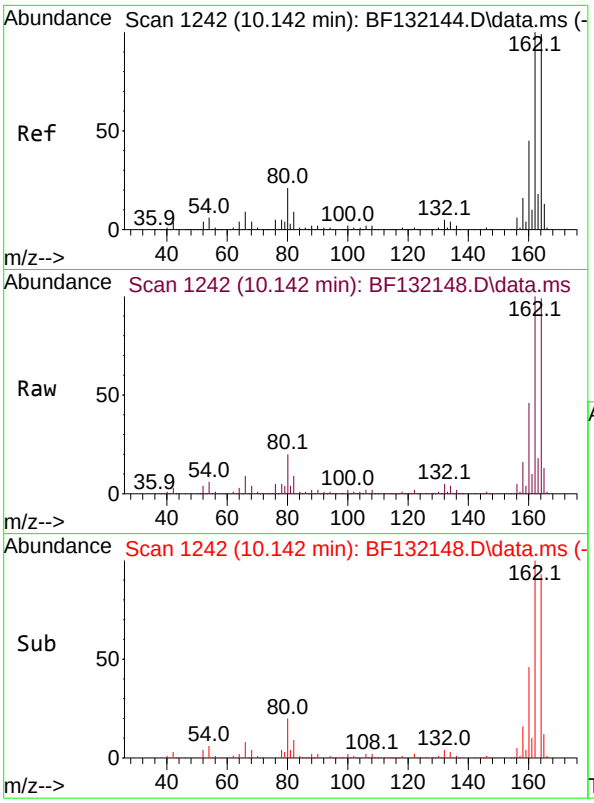


#38
1-Methylnaphthalene
Concen: 38.619 ng
RT: 9.195 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:142 Resp: 713576

Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.1	108.1



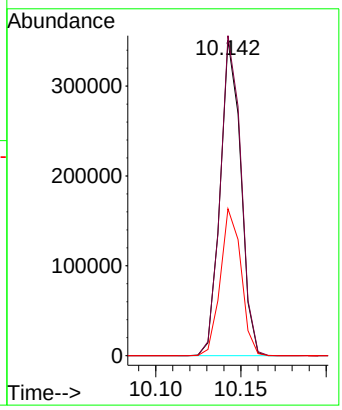


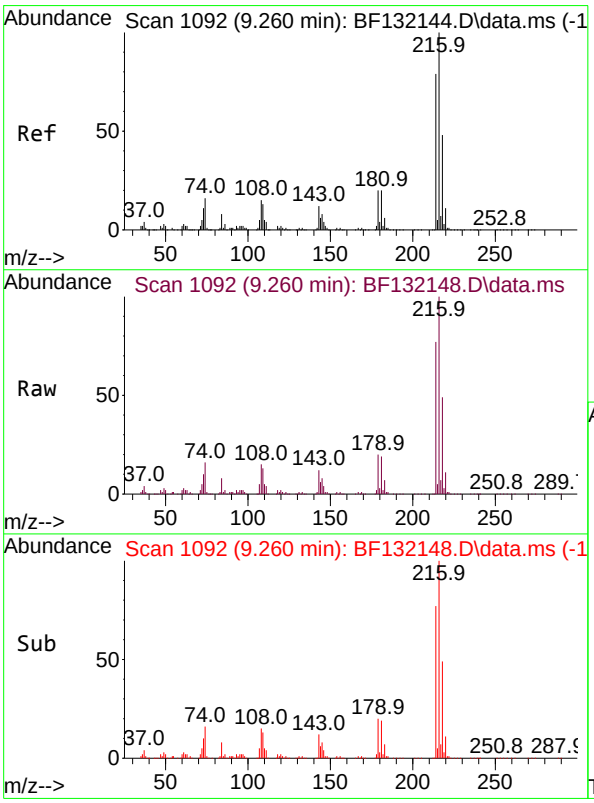
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.142 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:164 Resp: 294382

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.2	121.8
160	46.6	36.9	55.3

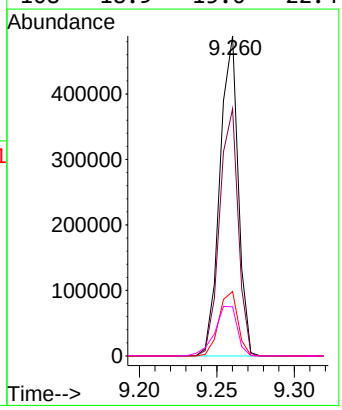


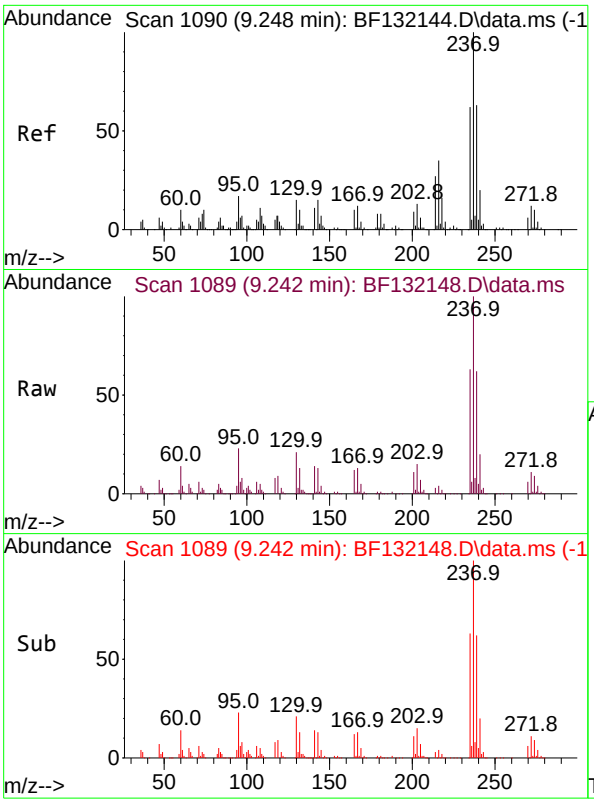


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.204 ng
RT: 9.260 min Scan# 1092
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:216 Resp: 401549

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.1	94.7
179	20.7	16.6	24.8
108	18.9	15.0	22.4



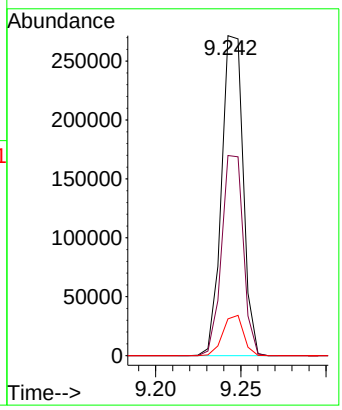


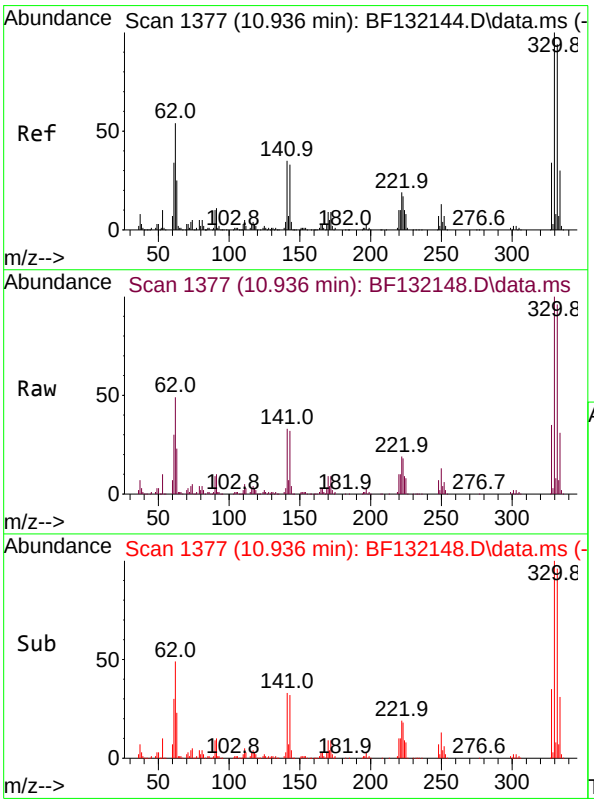
#41
Hexachlorocyclopentadiene
Concen: 42.778 ng
RT: 9.242 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:237 Resp: 239100

Ion	Ratio	Lower	Upper
237	100		
235	62.5	41.7	81.7
272	11.5	0.0	32.3

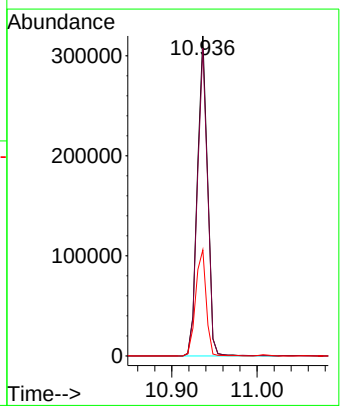


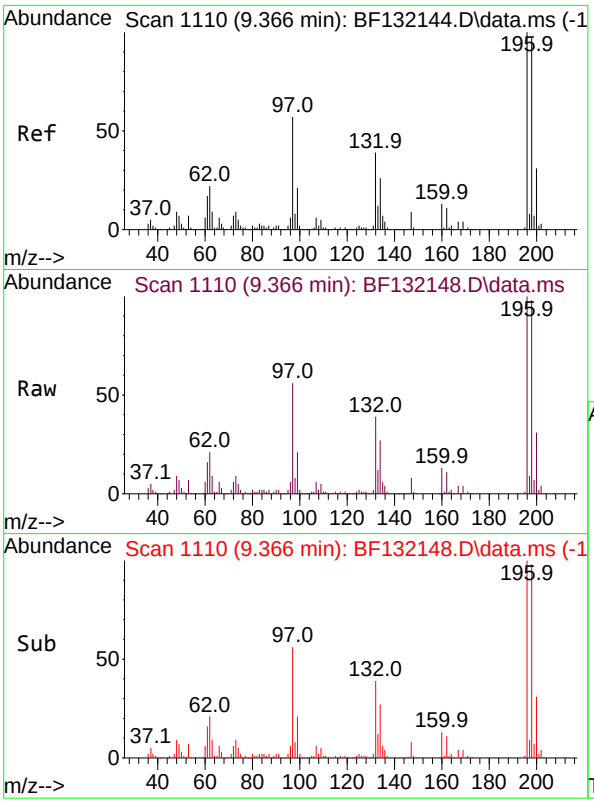


#42
2,4,6-Tribromophenol
Concen: 83.991 ng
RT: 10.936 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:330 Resp: 264106

Ion	Ratio	Lower	Upper
330	100		
332	96.6	75.6	113.4
141	34.3	27.1	40.7



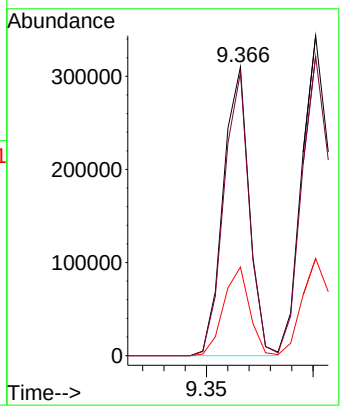


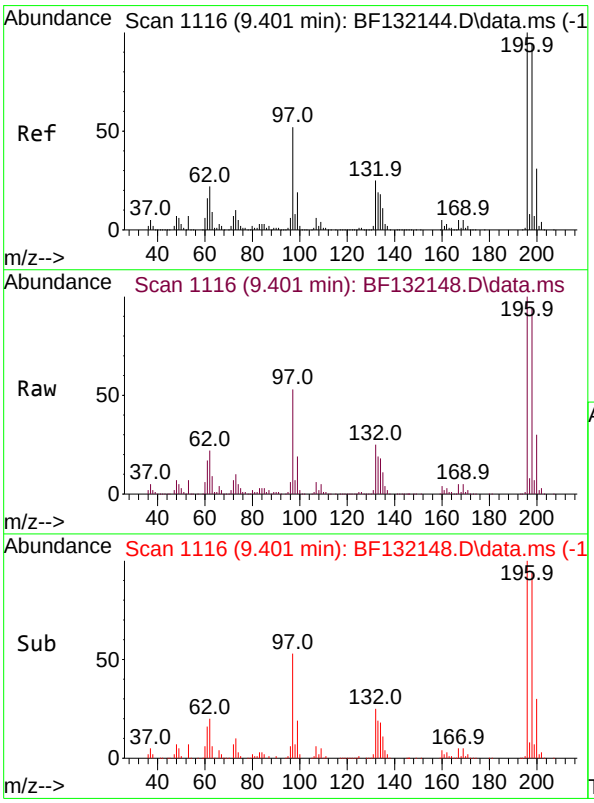
#43
2,4,6-Trichlorophenol
Concen: 41.471 ng
RT: 9.366 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:196 Resp: 263620

Ion	Ratio	Lower	Upper
196	100		
198	98.1	77.4	116.2
200	30.7	24.9	37.3

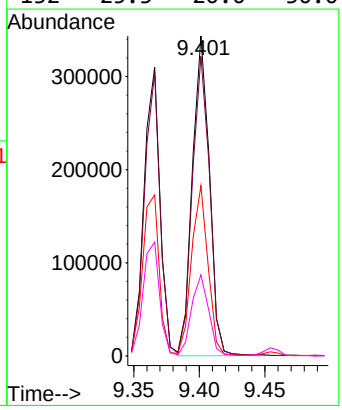


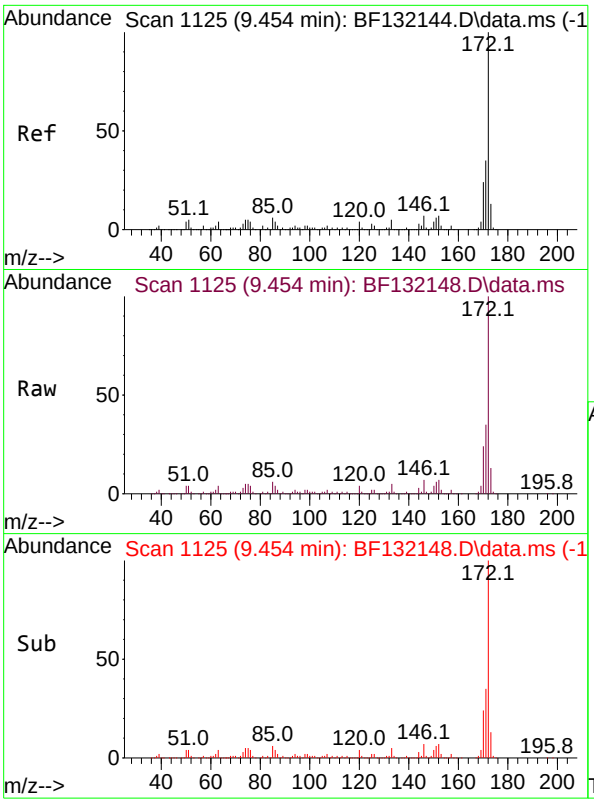


#44
2,4,5-Trichlorophenol
Concen: 41.656 ng
RT: 9.401 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:196 Resp: 309687

Ion	Ratio	Lower	Upper
196	100		
198	93.6	75.3	112.9
97	53.2	41.3	61.9
132	25.3	20.0	30.0



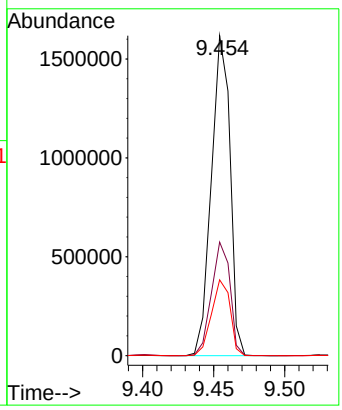


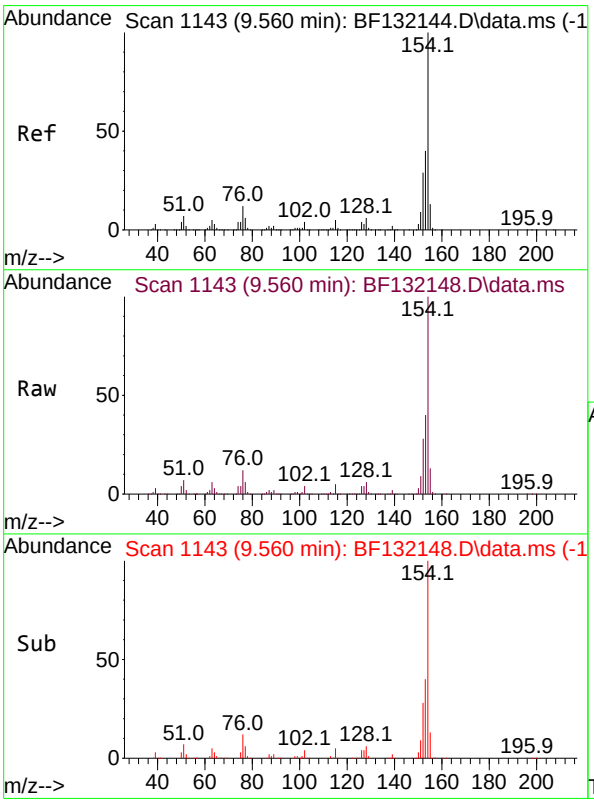
#45
2-Fluorobiphenyl
Concen: 73.696 ng
RT: 9.454 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:172 Resp: 1484699

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	23.7	19.6	29.4

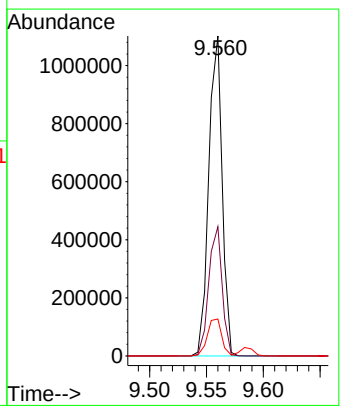


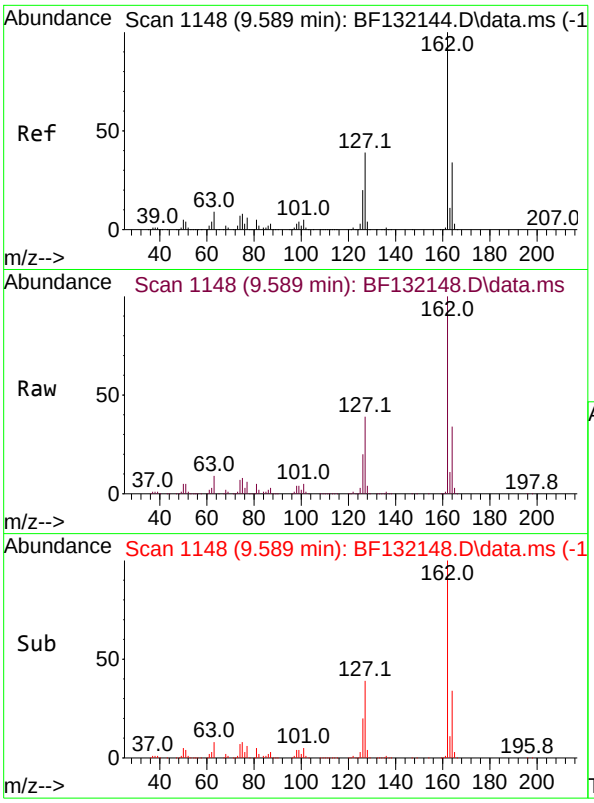


#46
1,1'-Biphenyl
Concen: 39.026 ng
RT: 9.560 min Scan# 1143
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:154 Resp: 906370

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.2	60.2
76	11.5	0.0	32.2



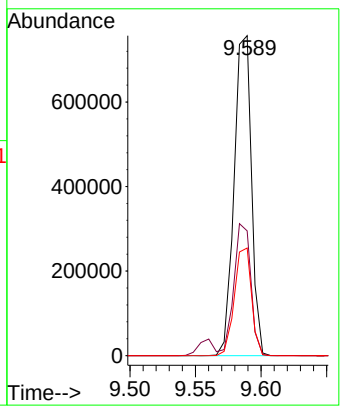


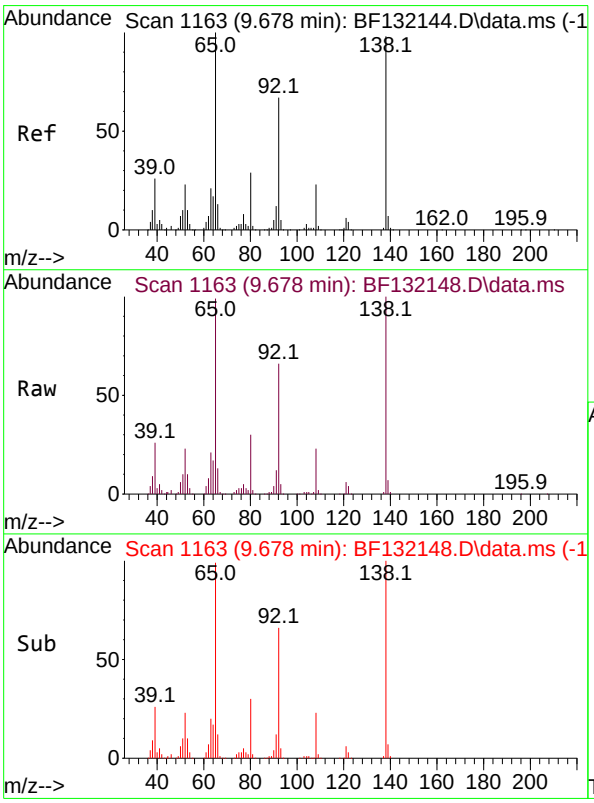
#47
2-Chloronaphthalene
Concen: 38.849 ng
RT: 9.589 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:162 Resp: 697476

Ion	Ratio	Lower	Upper
162	100		
127	39.0	31.1	46.7
164	33.6	26.9	40.3

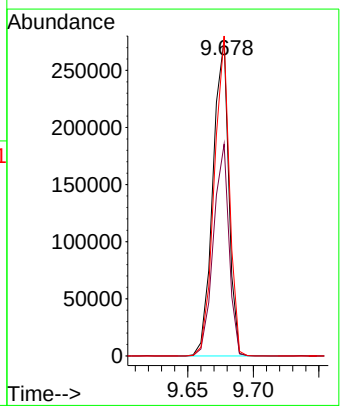


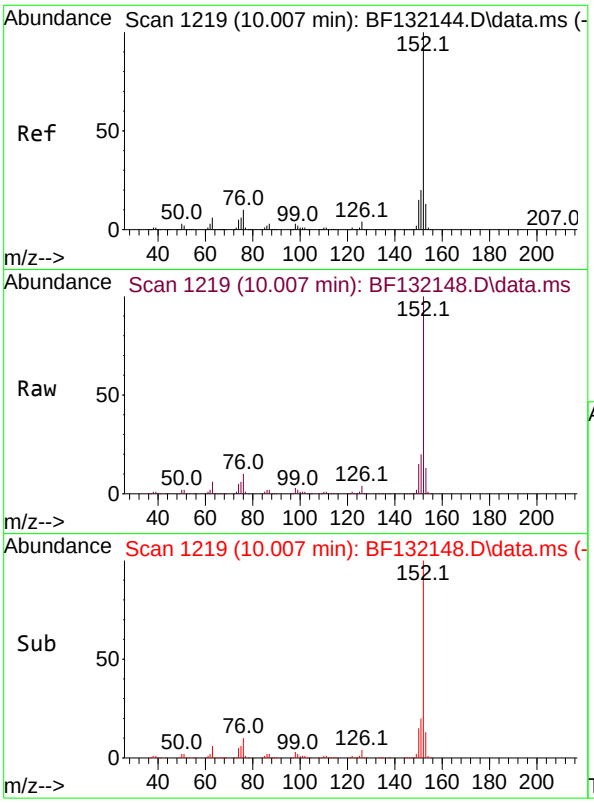


#48
2-Nitroaniline
Concen: 40.882 ng
RT: 9.678 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion: 65 Resp: 232437

Ion	Ratio	Lower	Upper
65	100		
92	67.0	53.8	80.6
138	101.3	78.7	118.1



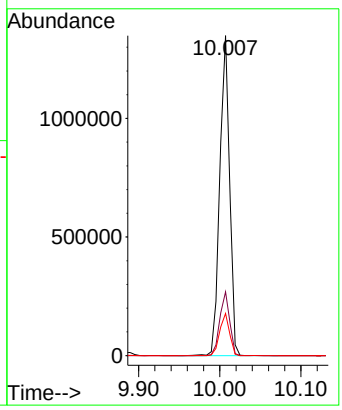


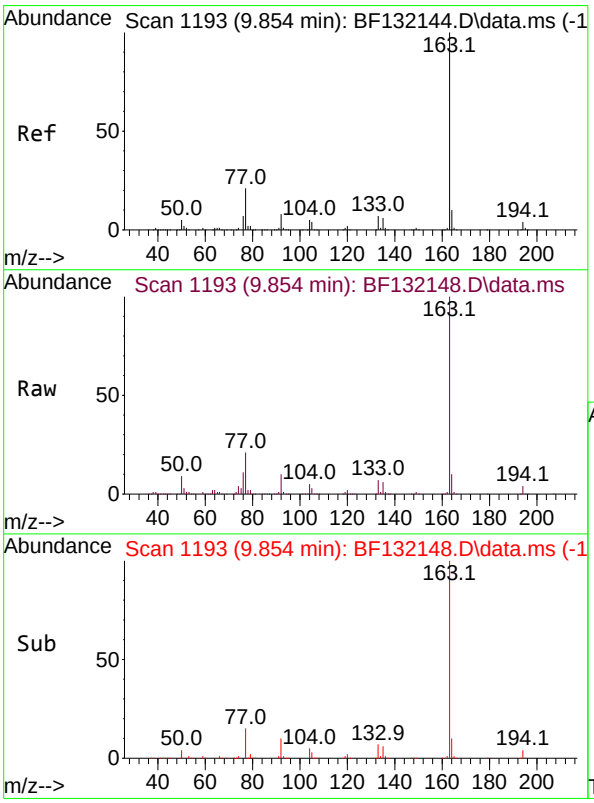
#49
Acenaphthylene
Concen: 39.175 ng
RT: 10.007 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:152 Resp: 1125150

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.4	24.6
153	13.2	10.6	15.8

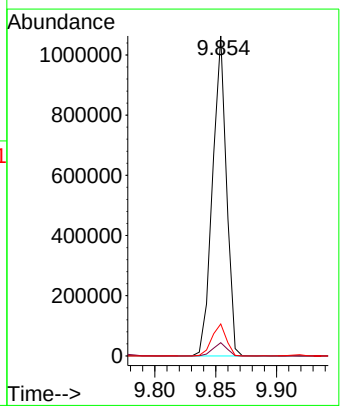


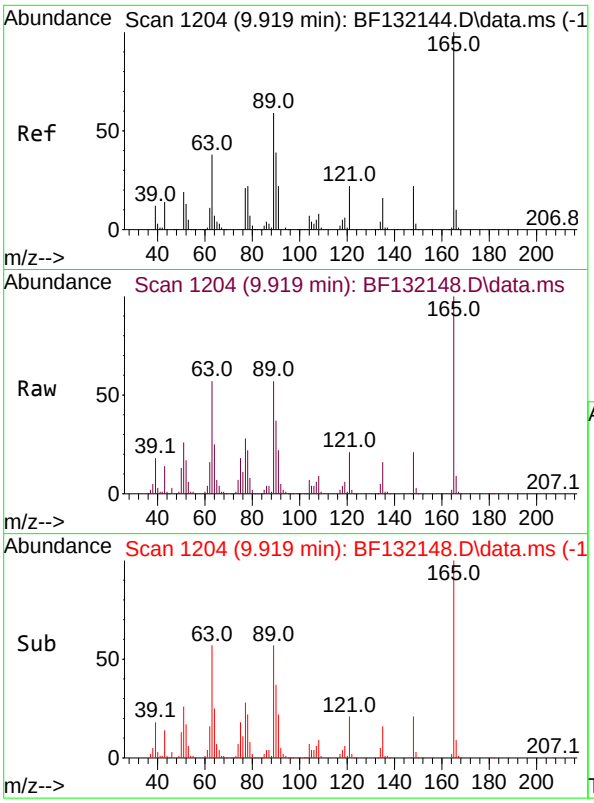


#50
Dimethylphthalate
Concen: 39.729 ng
RT: 9.854 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:163 Resp: 847054

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.0	8.2	12.2



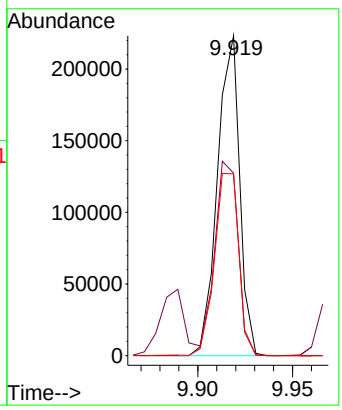


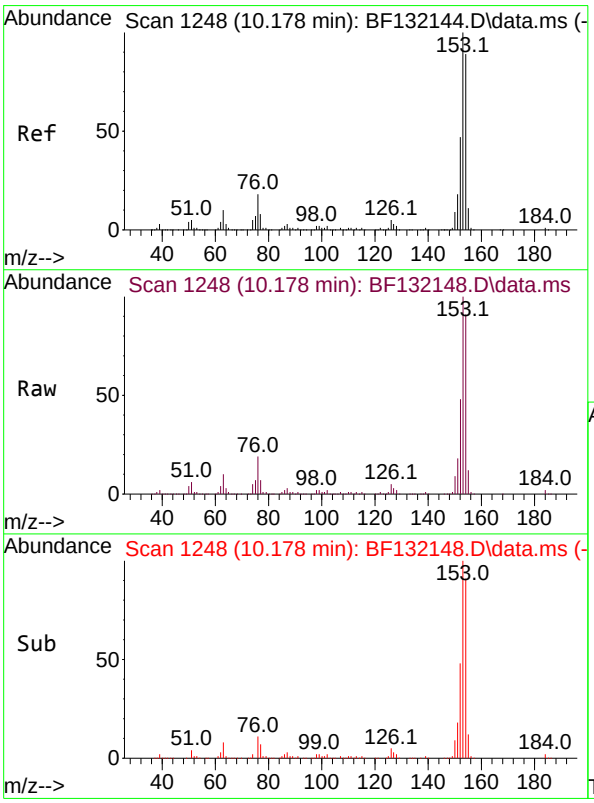
#51
2,6-Dinitrotoluene
Concen: 44.109 ng
RT: 9.919 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:165 Resp: 182283

Ion	Ratio	Lower	Upper
165	100		
63	57.0	46.6	70.0
89	56.8	47.4	71.2

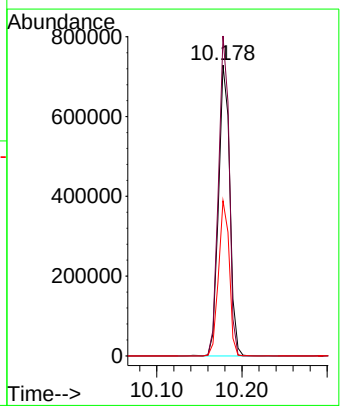


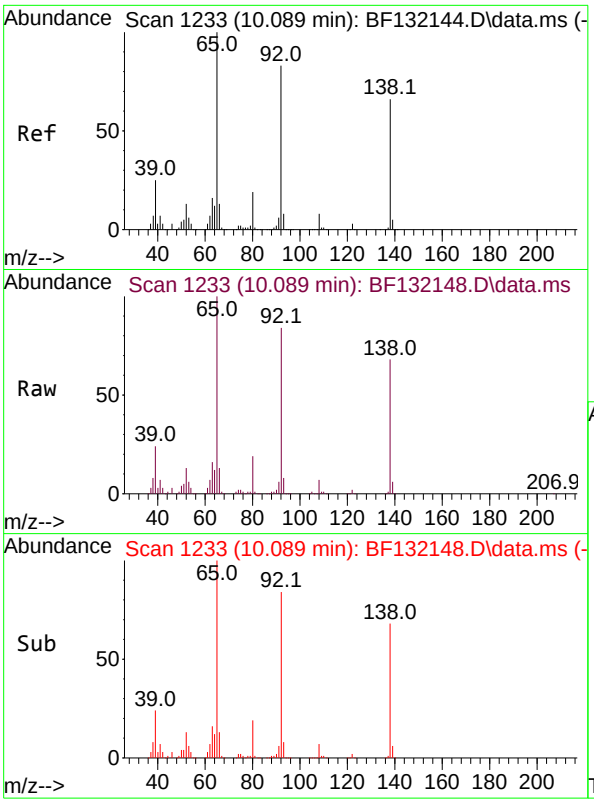


#52
Acenaphthene
Concen: 38.803 ng
RT: 10.178 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:154 Resp: 670346

Ion	Ratio	Lower	Upper
154	100		
153	110.0	89.8	134.8
152	53.4	42.3	63.5



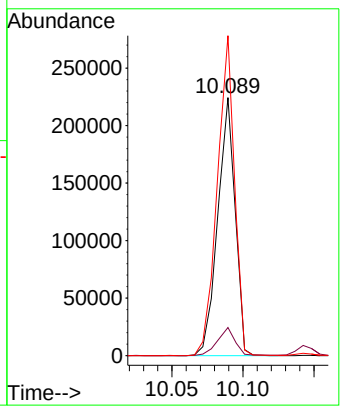


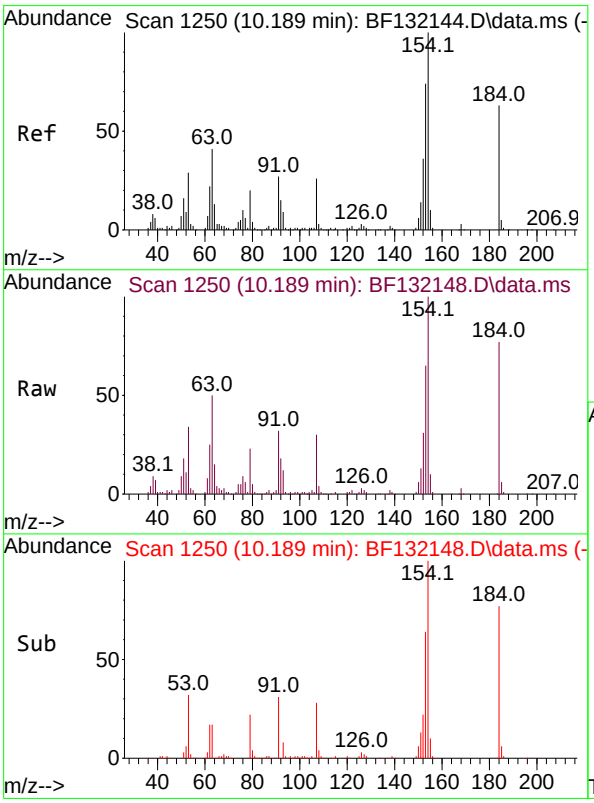
#53
3-Nitroaniline
Concen: 43.470 ng
RT: 10.089 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:138 Resp: 192065

Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.1	13.7
92	124.0	101.2	151.8

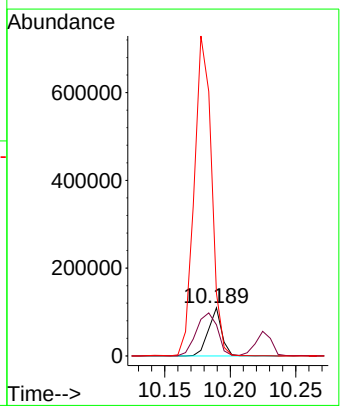


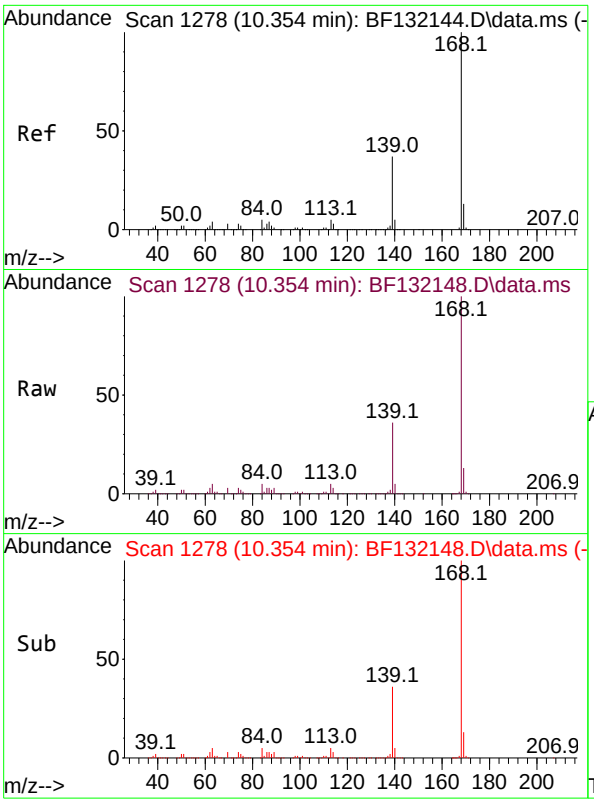


#54
2,4-Dinitrophenol
Concen: 43.353 ng
RT: 10.189 min Scan# 1250
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:184 Resp: 77817

Ion	Ratio	Lower	Upper
184	100		
63	64.7	53.2	79.8
154	130.3	129.4	194.0



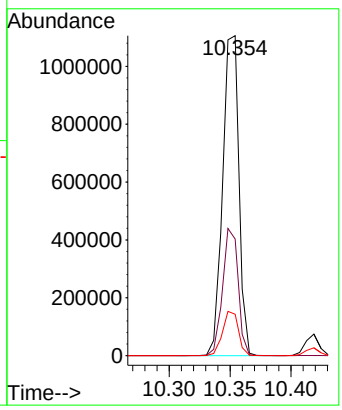


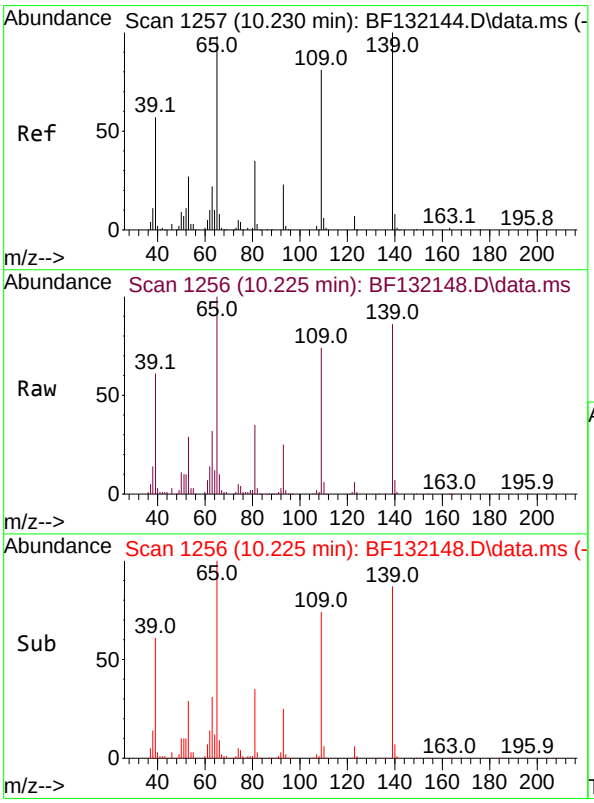
#55
Dibenzofuran
Concen: 38.579 ng
RT: 10.354 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:168 Resp: 1029957

Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.8	44.8
169	12.9	10.3	15.5

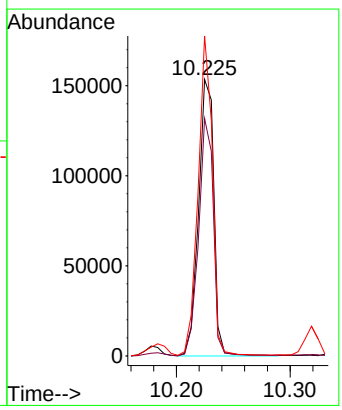


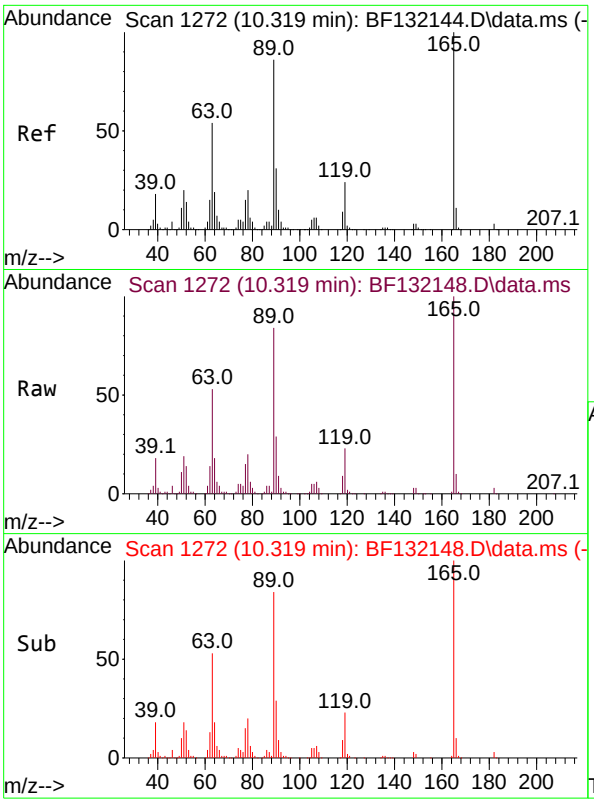


#56
4-Nitrophenol
Concen: 44.675 ng
RT: 10.225 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:139 Resp: 143657

Ion	Ratio	Lower	Upper
139	100		
109	85.9	61.0	101.0
65	115.8	79.3	119.3



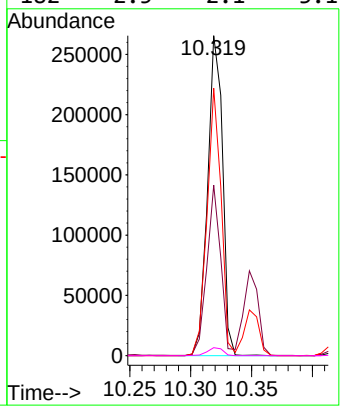


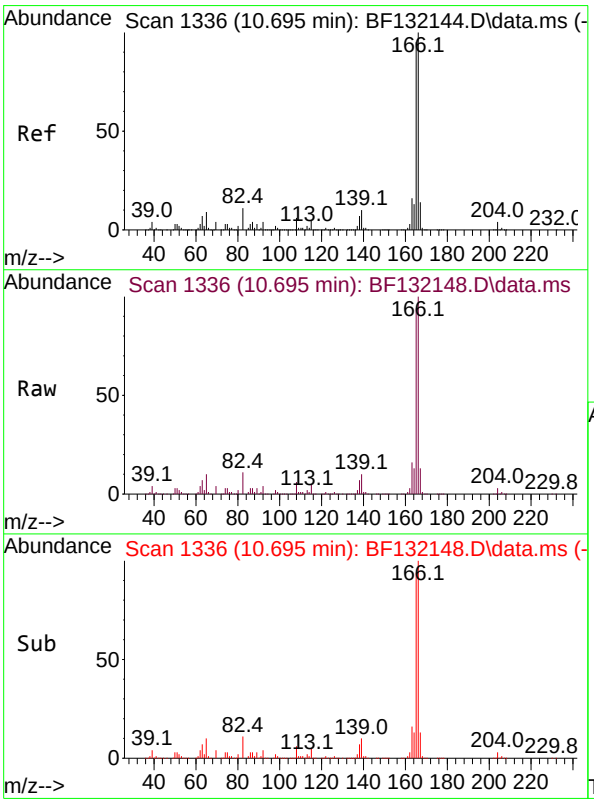
#57
2,4-Dinitrotoluene
Concen: 45.732 ng
RT: 10.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:165 Resp: 226854

Ion	Ratio	Lower	Upper
165	100		
63	53.3	43.5	65.3
89	83.6	69.0	103.6
182	2.5	2.1	3.1

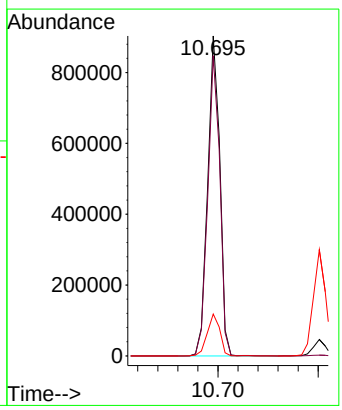


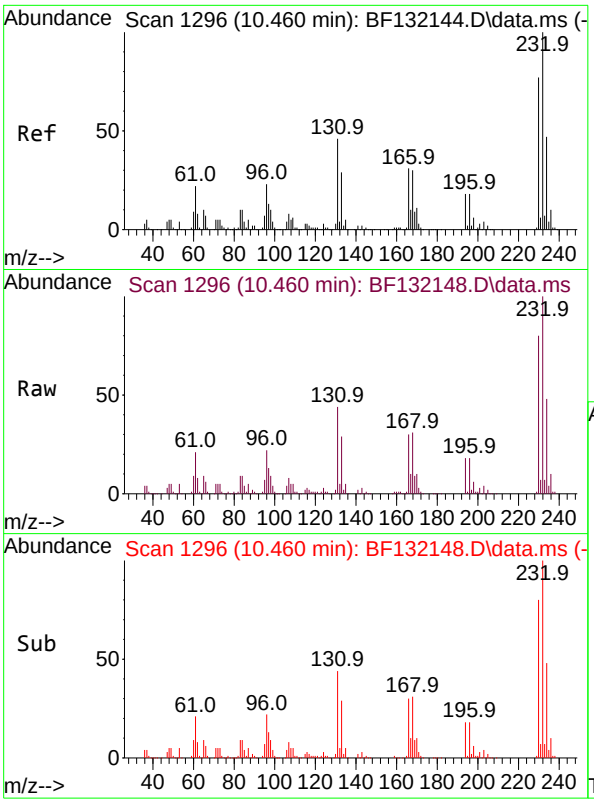


#58
Fluorene
Concen: 38.193 ng
RT: 10.695 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:166 Resp: 755542

Ion	Ratio	Lower	Upper
166	100		
165	93.8	76.4	114.6
167	13.1	11.0	16.4



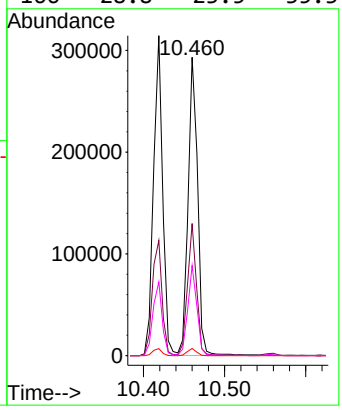


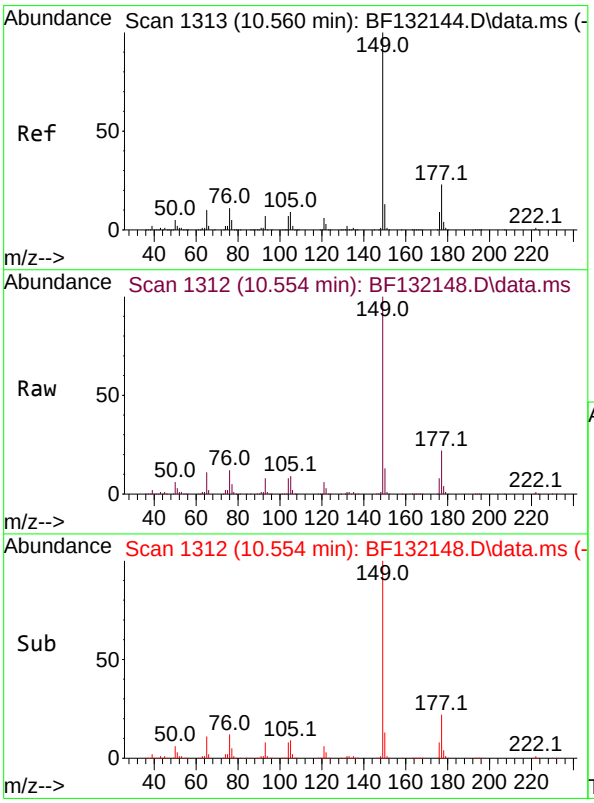
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.074 ng
RT: 10.460 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:232 Resp: 237937

Ion	Ratio	Lower	Upper
232	100		
131	42.0	33.8	50.6
130	2.2	1.9	2.9
166	28.8	23.5	35.3

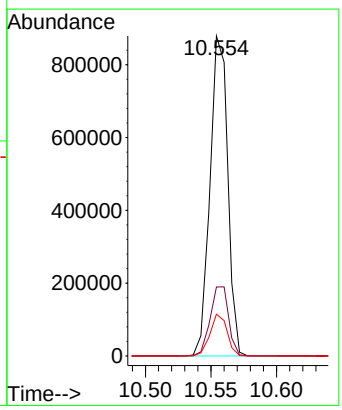


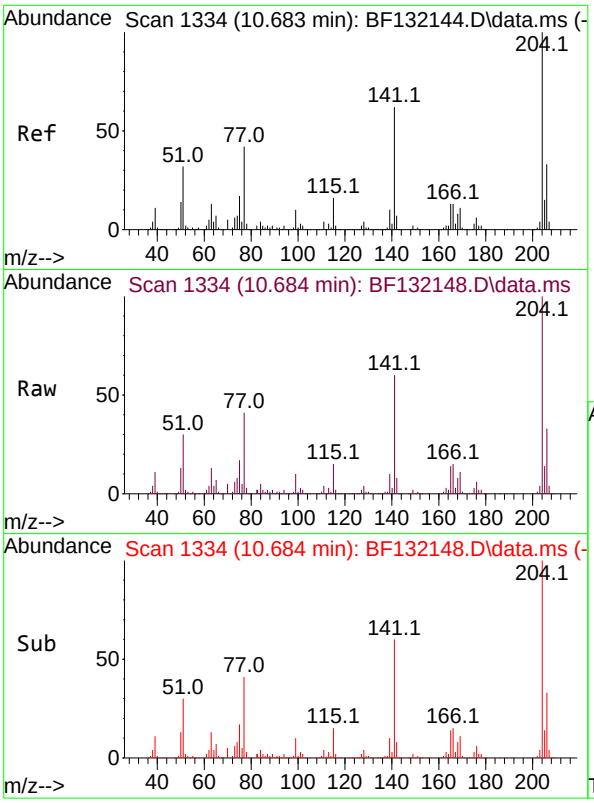


#60
Diethylphthalate
Concen: 39.637 ng
RT: 10.554 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:149 Resp: 828728

Ion	Ratio	Lower	Upper
149	100		
177	21.5	18.4	27.6
150	13.0	10.1	15.1



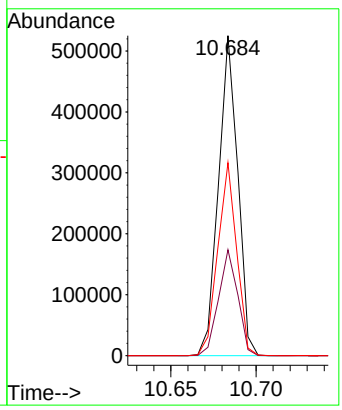


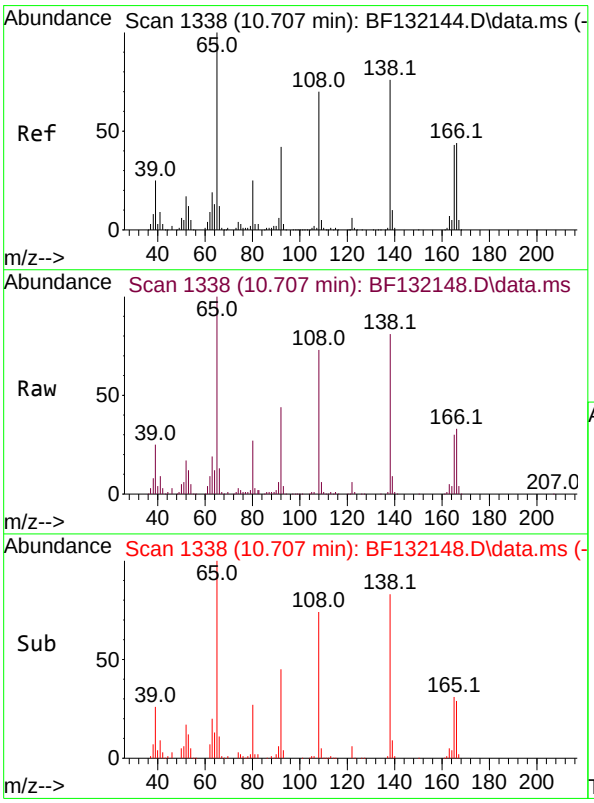
#61
4-Chlorophenyl-phenylether
Concen: 38.934 ng
RT: 10.684 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:204 Resp: 412428

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.4	39.6
141	60.3	49.2	73.8

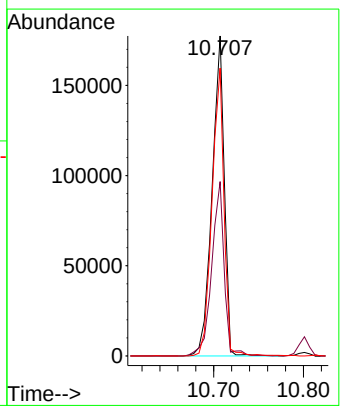


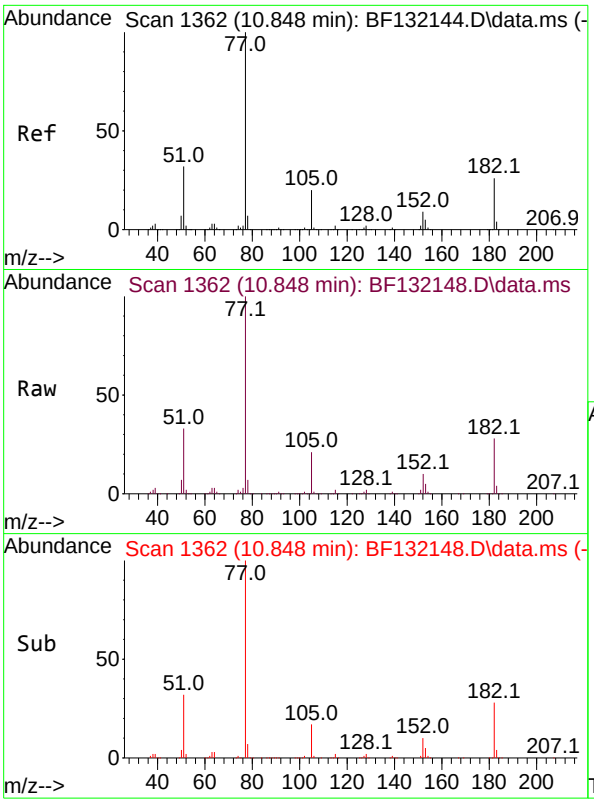


#62
4-Nitroaniline
Concen: 40.810 ng
RT: 10.707 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:138 Resp: 167869

Ion	Ratio	Lower	Upper
138	100		
92	54.5	35.9	75.9
108	89.9	72.0	112.0



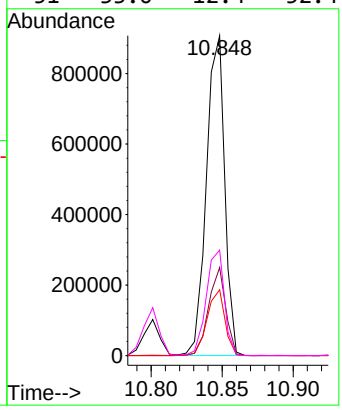


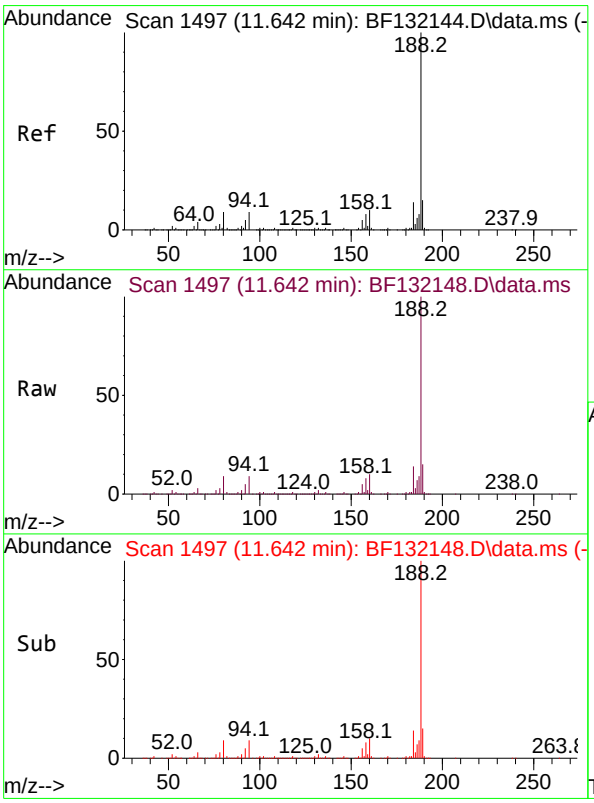
#63
Azobenzene
Concen: 38.693 ng
RT: 10.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion: 77 Resp: 811938

Ion	Ratio	Lower	Upper
77	100		
182	27.5	6.4	46.4
105	20.6	0.0	39.8
51	33.0	12.4	52.4

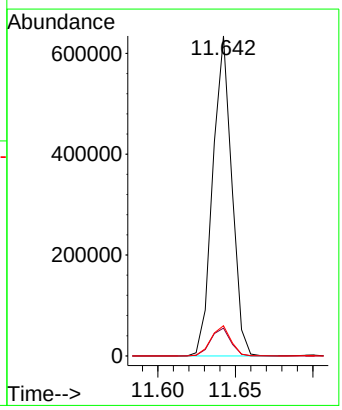


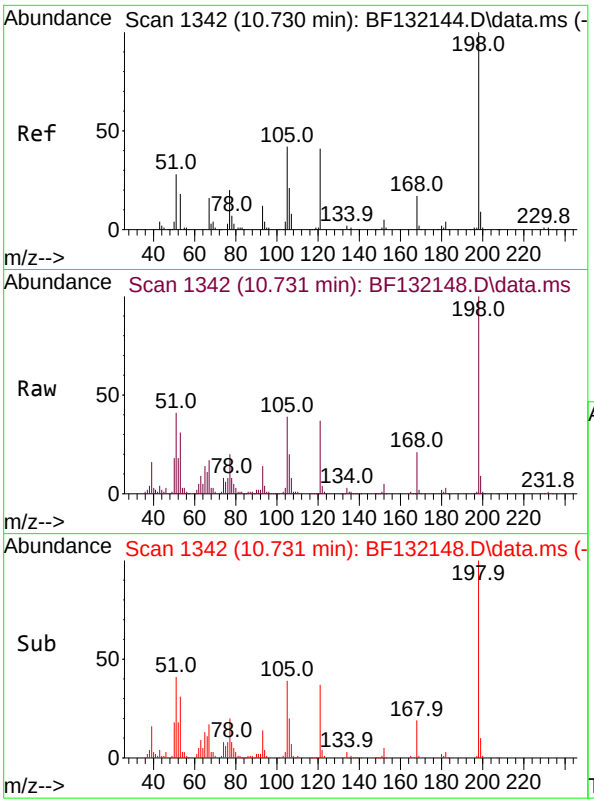


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.642 min Scan# 1497
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:188 Resp: 541465

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.9	10.3
80	9.4	7.5	11.3



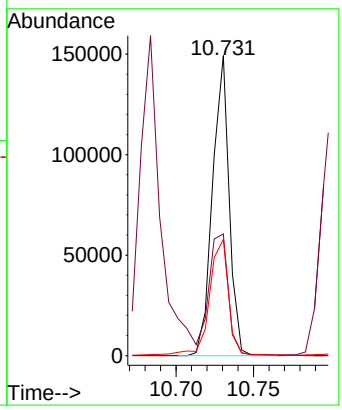


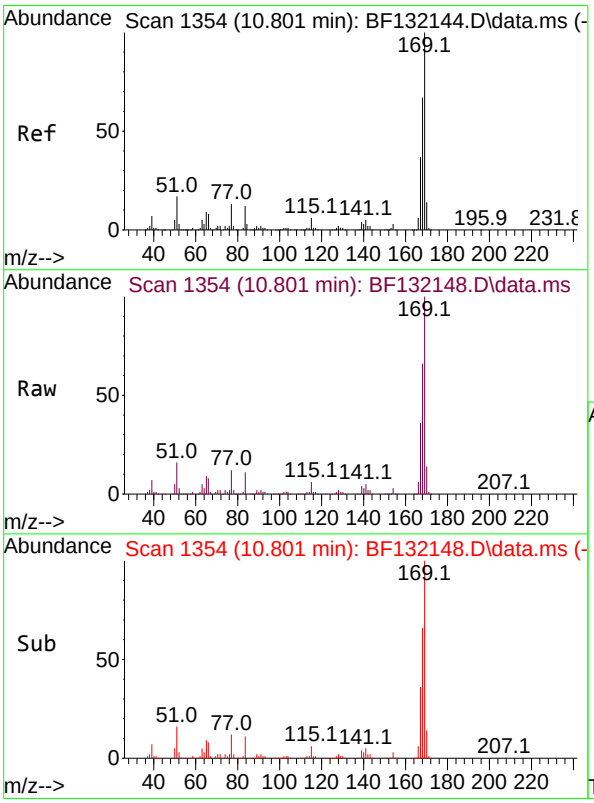
#65
4,6-Dinitro-2-methylphenol
Concen: 42.985 ng
RT: 10.731 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:198 Resp: 111699

Ion	Ratio	Lower	Upper
198	100		
51	40.6	24.3	64.3
105	38.7	23.3	63.3

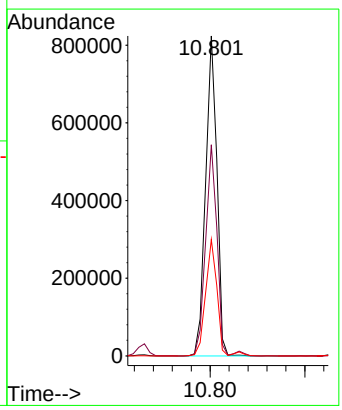


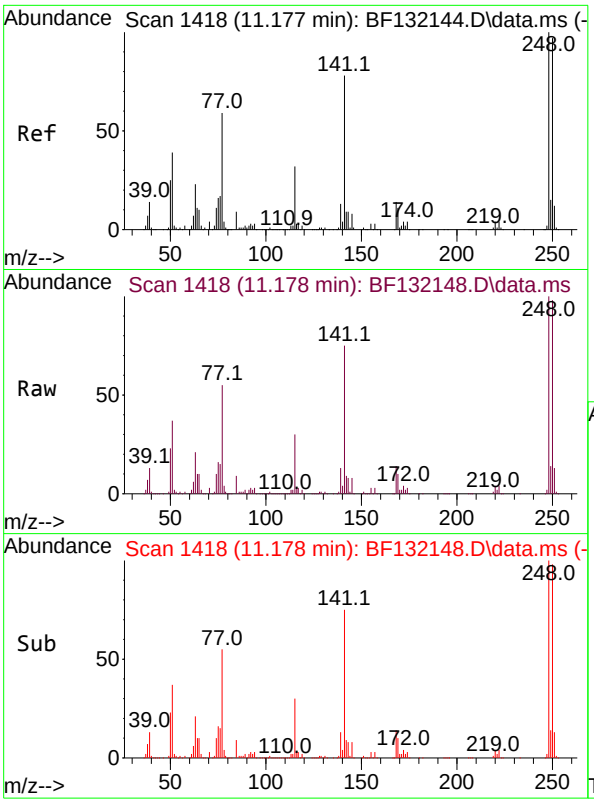


#66
n-Nitrosodiphenylamine
Concen: 39.352 ng
RT: 10.801 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:169 Resp: 682412

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.4	80.0
167	36.4	29.7	44.5



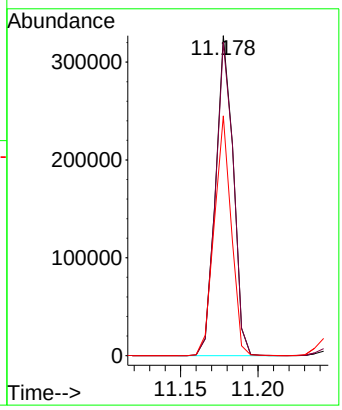


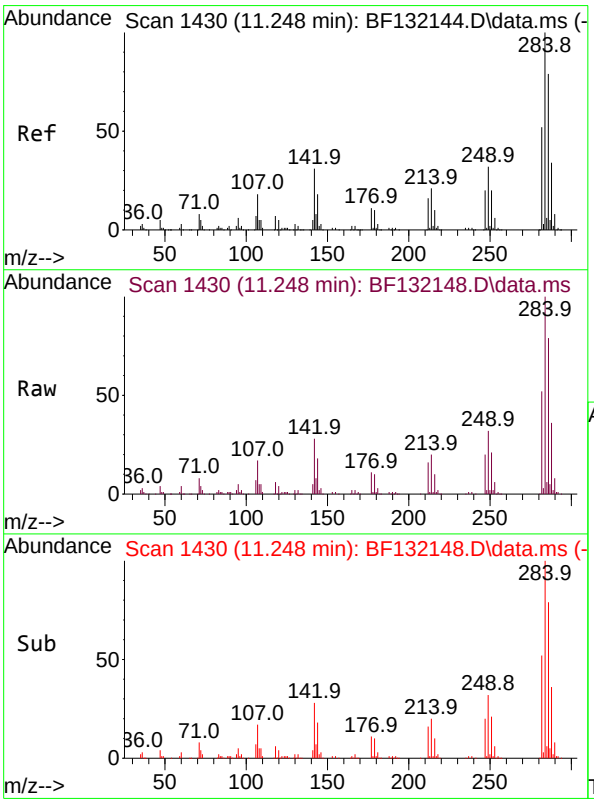
#67
4-Bromophenyl-phenylether
Concen: 39.565 ng
RT: 11.178 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:248 Resp: 261124

Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.4	116.0
141	74.9	62.2	93.2

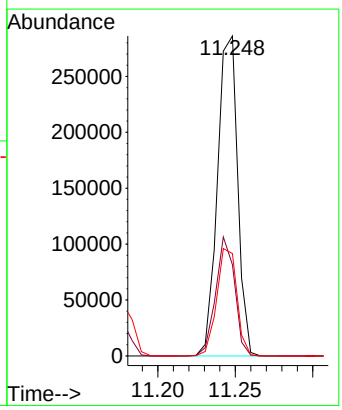


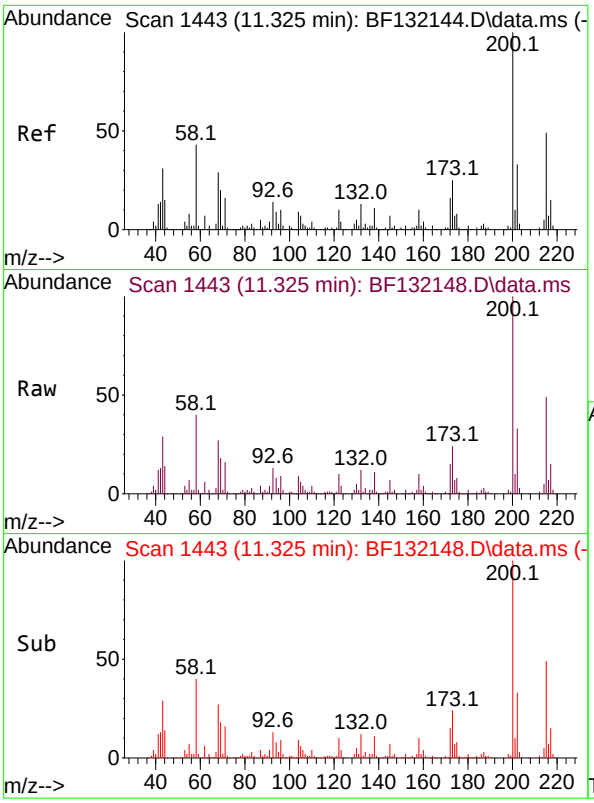


#68
Hexachlorobenzene
Concen: 39.667 ng
RT: 11.248 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:284 Resp: 260189

Ion	Ratio	Lower	Upper
284	100		
142	28.5	24.7	37.1
249	32.0	25.6	38.4



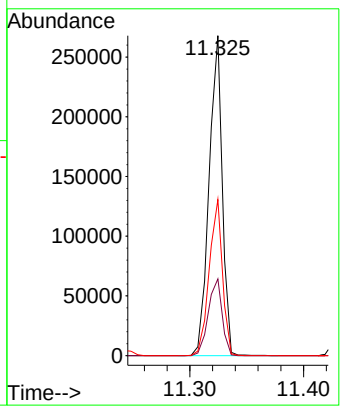


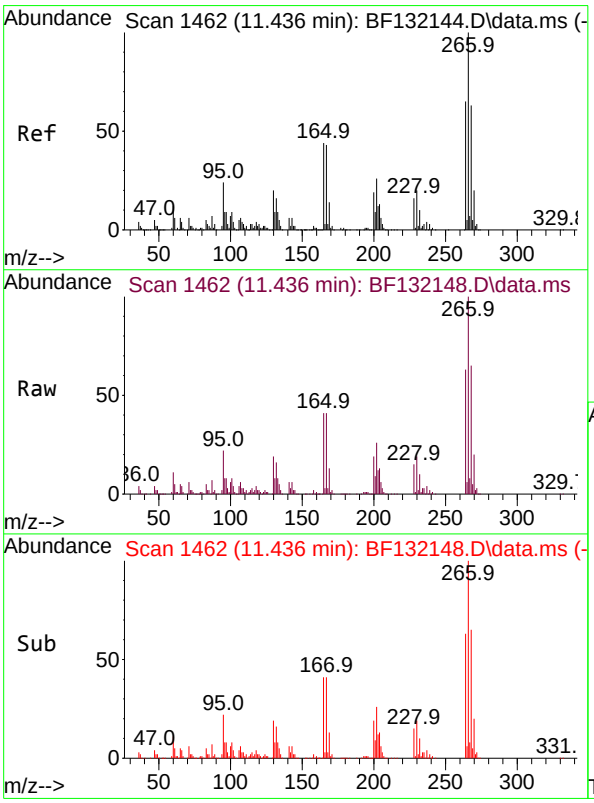
#69
Atrazine
Concen: 40.505 ng
RT: 11.325 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:200 Resp: 216709

Ion	Ratio	Lower	Upper
200	100		
173	24.0	5.0	45.0
215	48.8	28.6	68.6

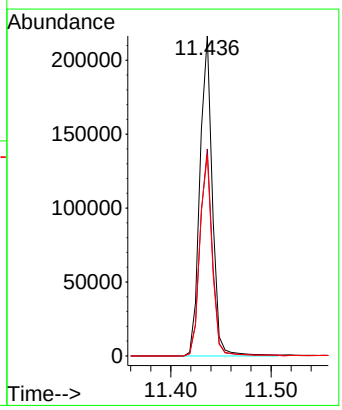


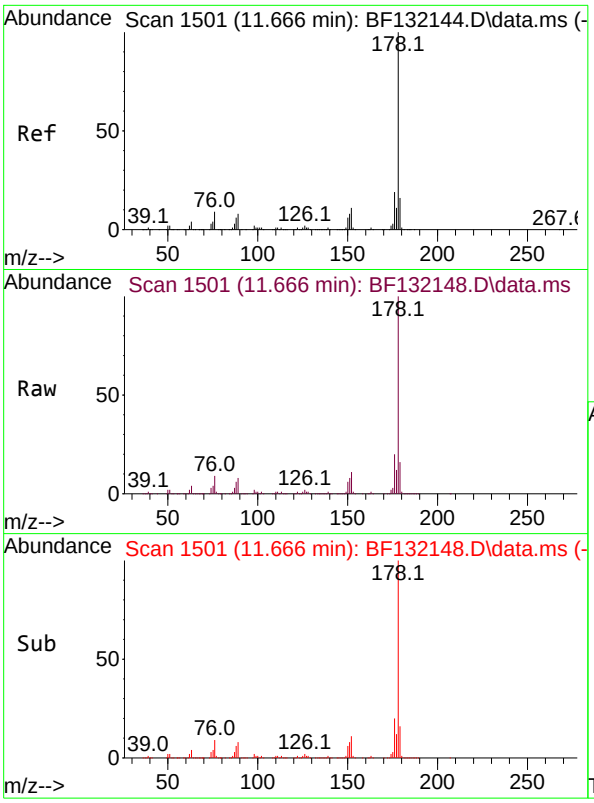


#70
Pentachlorophenol
Concen: 44.053 ng
RT: 11.436 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:266 Resp: 185687

Ion	Ratio	Lower	Upper
266	100		
268	64.7	50.8	76.2
264	62.8	52.3	78.5



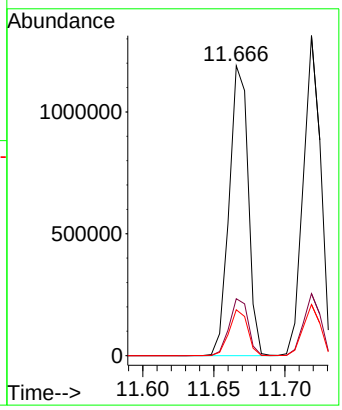


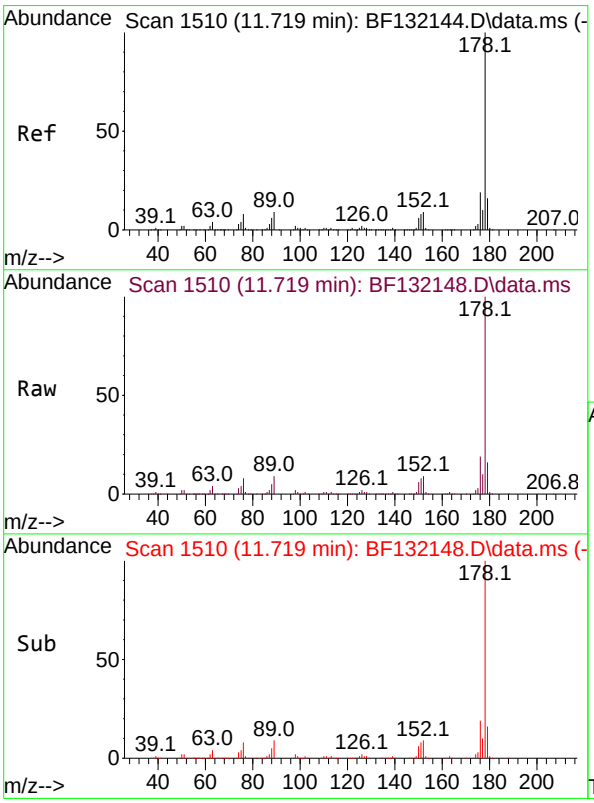
#71
Phenanthrene
Concen: 38.938 ng
RT: 11.666 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:178 Resp: 1106432

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.8	12.6	19.0

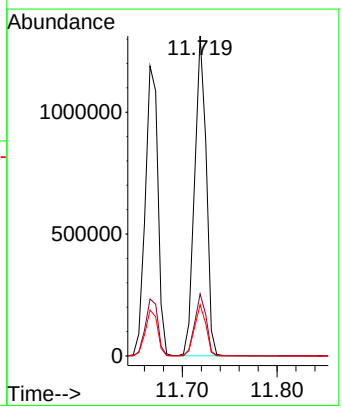


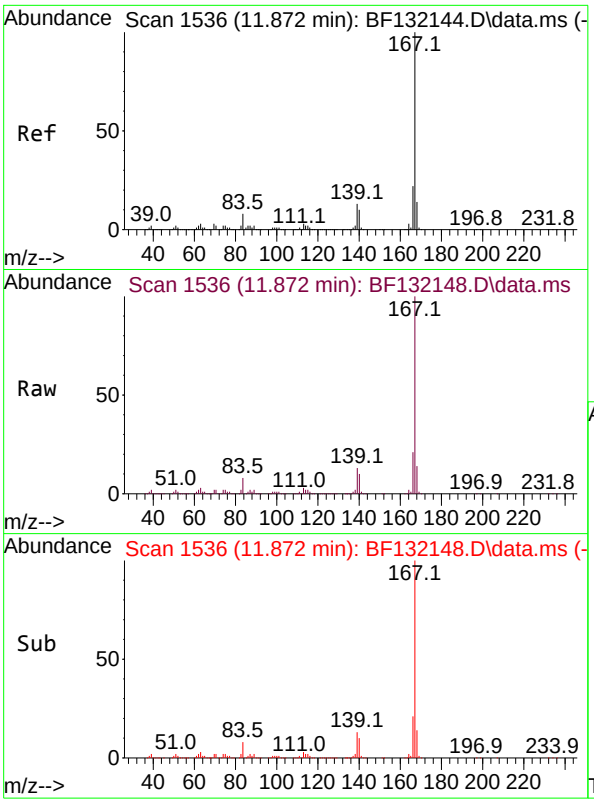


#72
Anthracene
Concen: 38.898 ng
RT: 11.719 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:178 Resp: 1118170

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	16.0	12.6	18.8



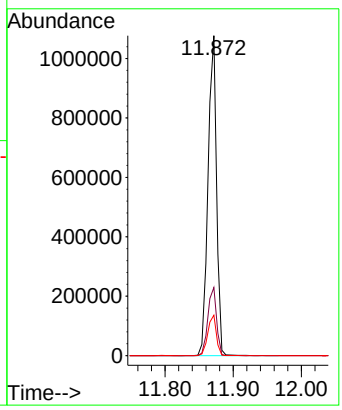


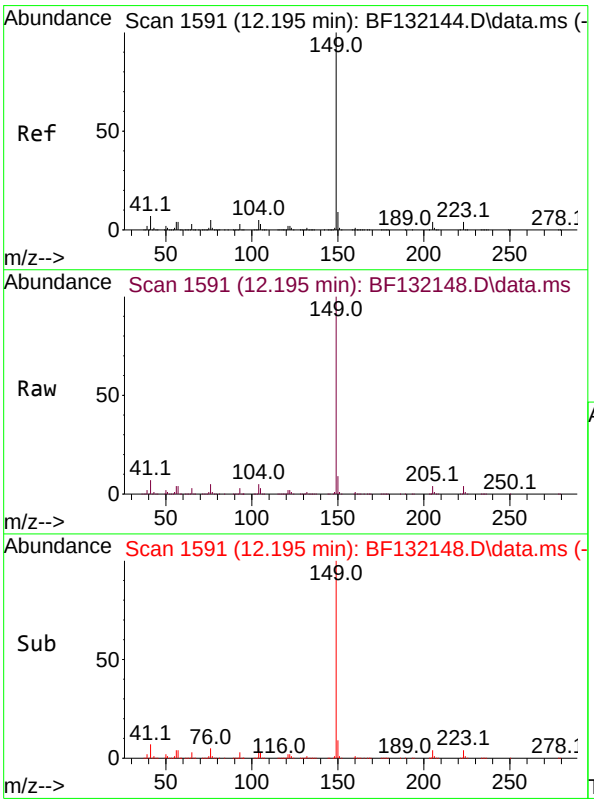
#73
Carbazole
Concen: 38.127 ng
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:167 Resp: 936219

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.7	26.5
139	12.6	10.5	15.7

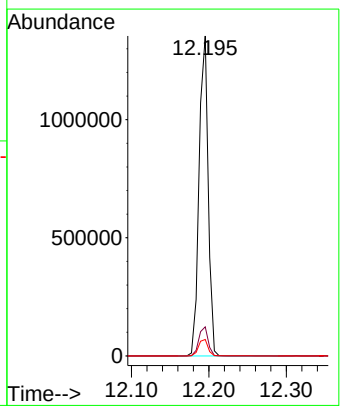


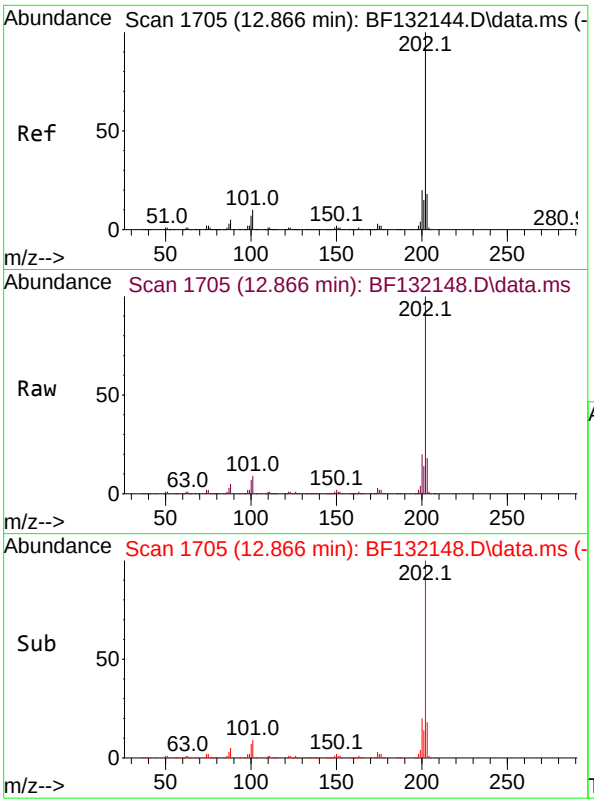


#74
Di-n-butylphthalate
Concen: 40.307 ng
RT: 12.195 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:149 Resp: 1101796

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	5.1	4.3	6.5



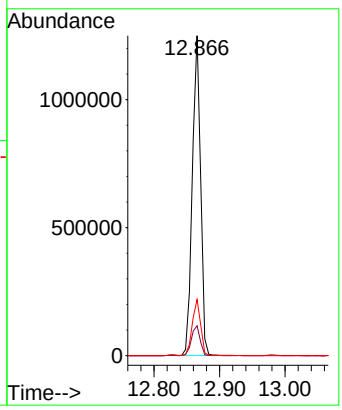


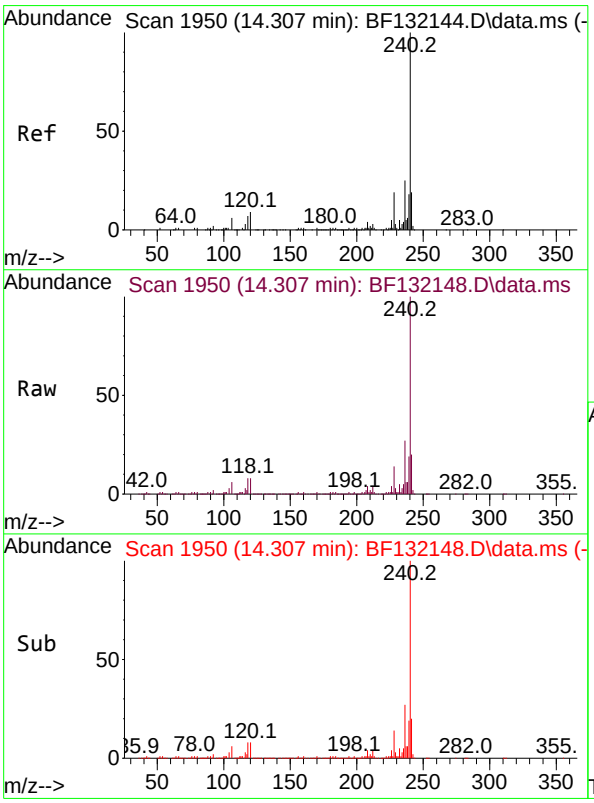
#75
Fluoranthene
Concen: 37.600 ng
RT: 12.866 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:202 Resp: 1097474

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	29.6
203	17.5	0.0	37.9

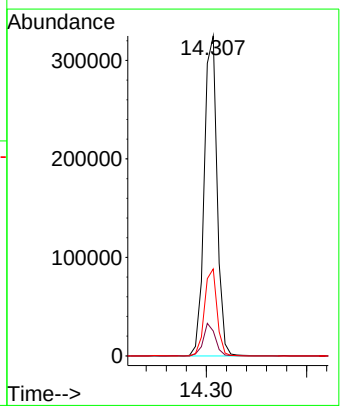


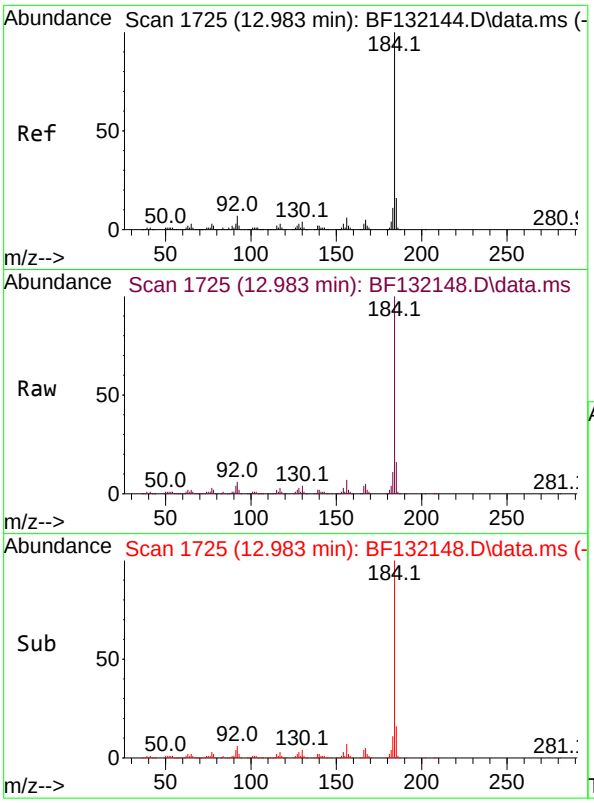


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.307 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:240 Resp: 289030

Ion	Ratio	Lower	Upper
240	100		
120	7.8	6.9	10.3
236	27.2	20.3	30.5



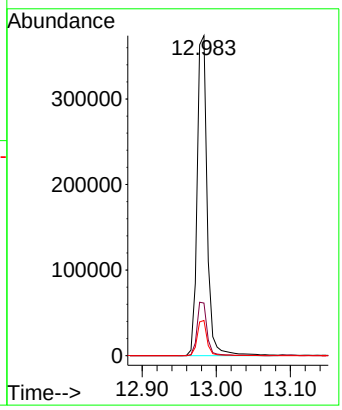


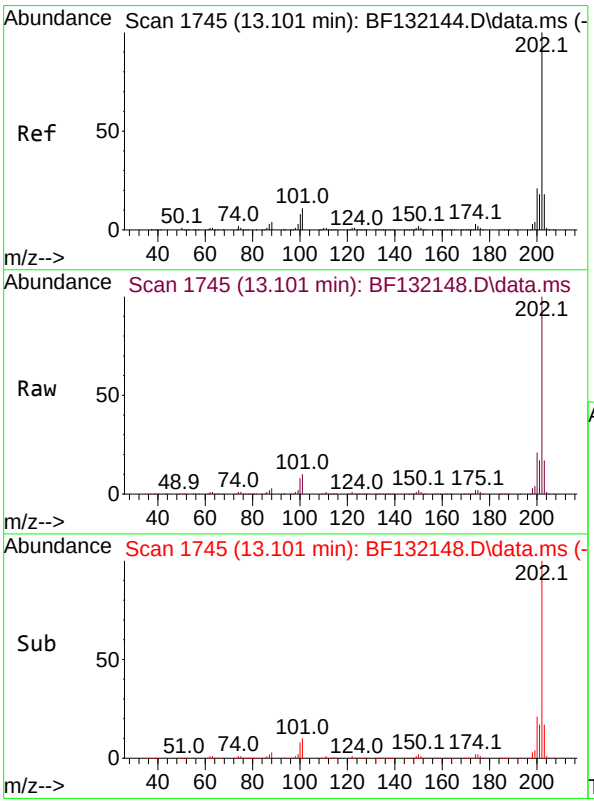
#77
Benzidine
Concen: 40.675 ng
RT: 12.983 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:184 Resp: 352976

Ion	Ratio	Lower	Upper
184	100		
185	16.4	12.5	18.7
183	11.0	9.0	13.4

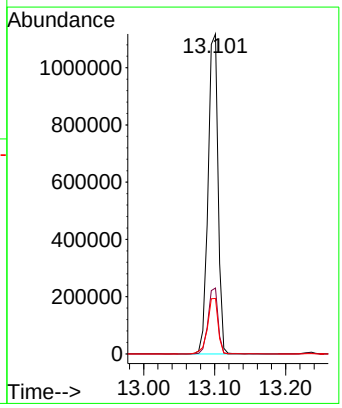


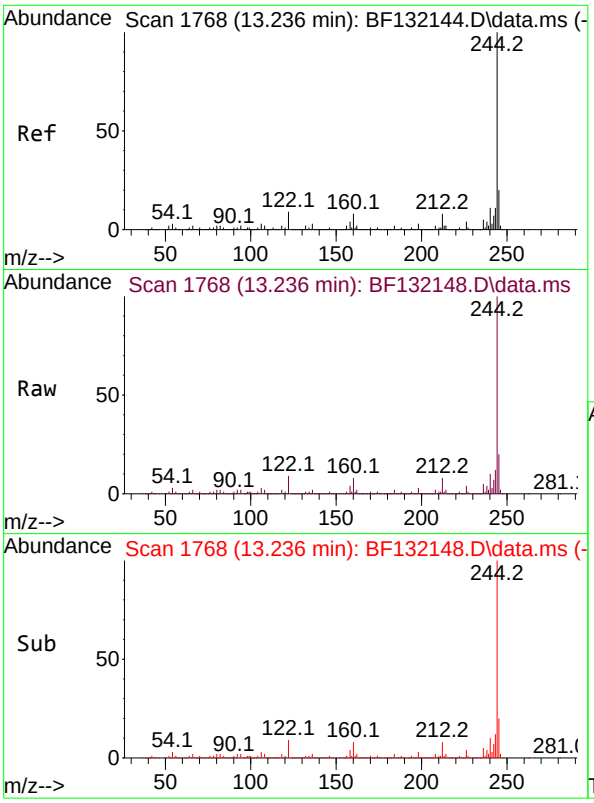


#78
Pyrene
Concen: 40.977 ng
RT: 13.101 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:202 Resp: 1091496

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.7	25.1
203	17.3	14.0	21.0



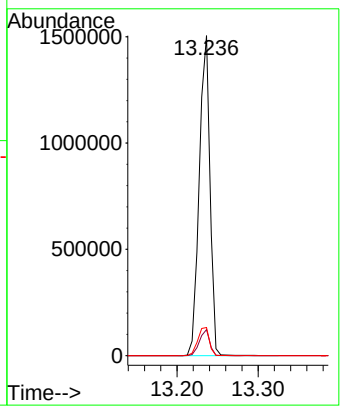


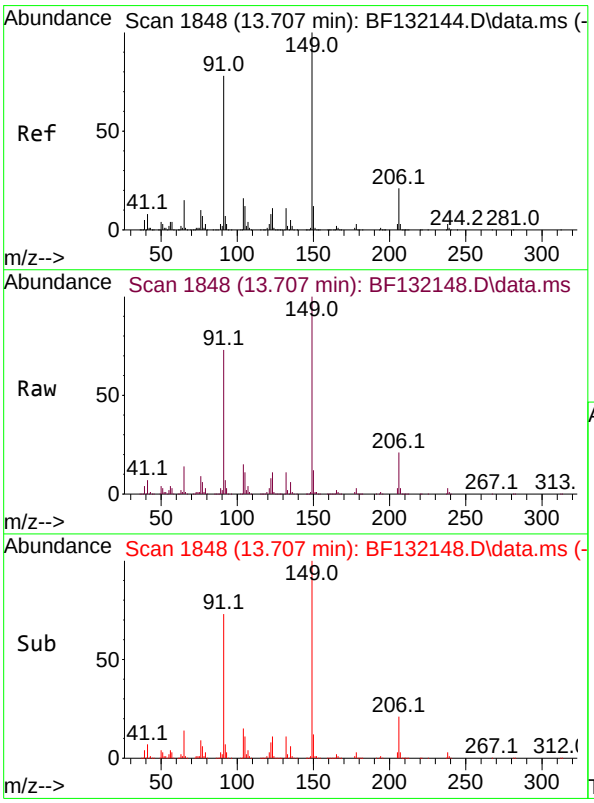
#79
Terphenyl-d14
Concen: 79.705 ng
RT: 13.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:244 Resp: 1375266

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.7	10.1
122	8.8	7.4	11.2

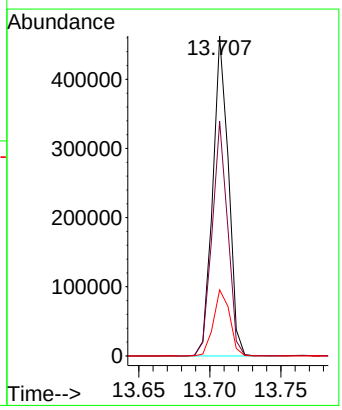


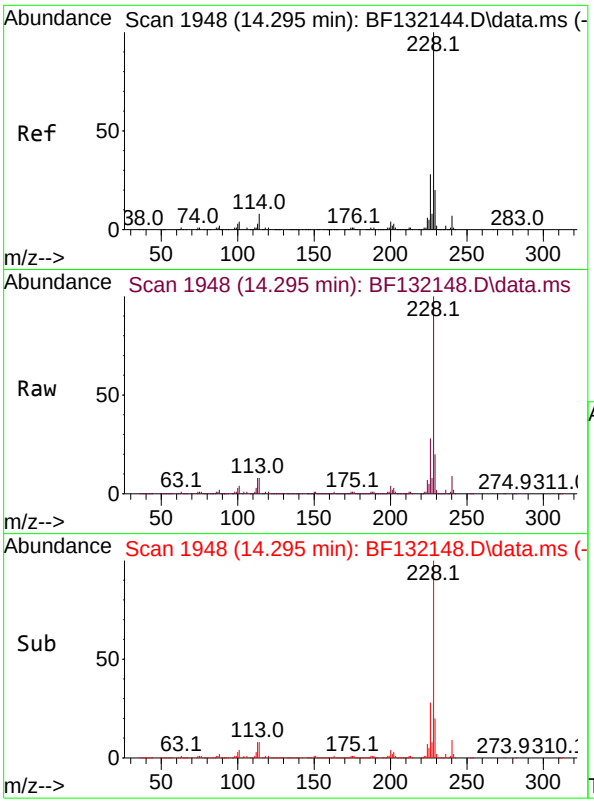


#80
Butylbenzylphthalate
Concen: 41.476 ng
RT: 13.707 min Scan# 1848
Delta R.T. -0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:149 Resp: 356250

Ion	Ratio	Lower	Upper
149	100		
91	73.3	62.6	94.0
206	20.6	16.4	24.6



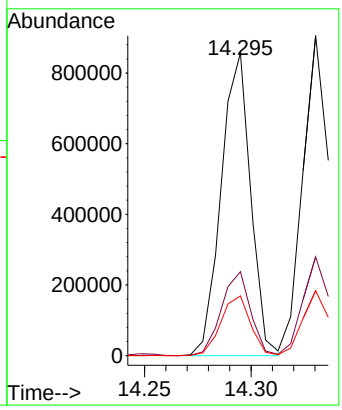


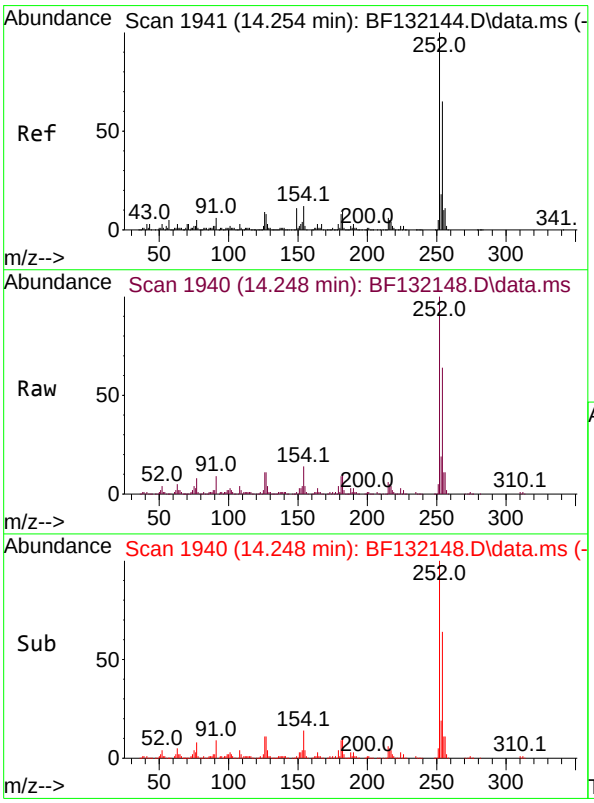
#81
Benzo(a)anthracene
Concen: 39.867 ng
RT: 14.295 min Scan# 19
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:228 Resp: 823181

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.5	33.7
229	19.7	16.1	24.1

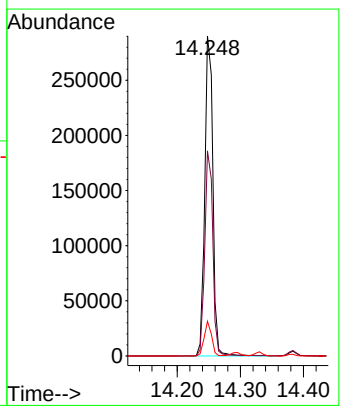


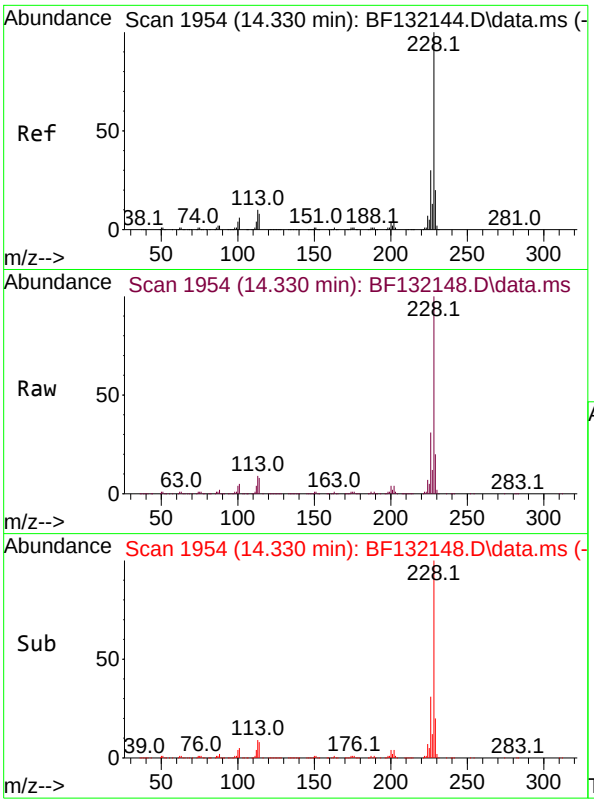


#82
3,3'-Dichlorobenzidine
Concen: 44.466 ng
RT: 14.248 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:252 Resp: 255697

Ion	Ratio	Lower	Upper
252	100		
254	64.1	52.4	78.6
126	10.8	7.0	10.6#



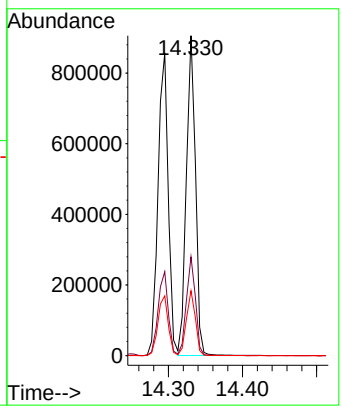


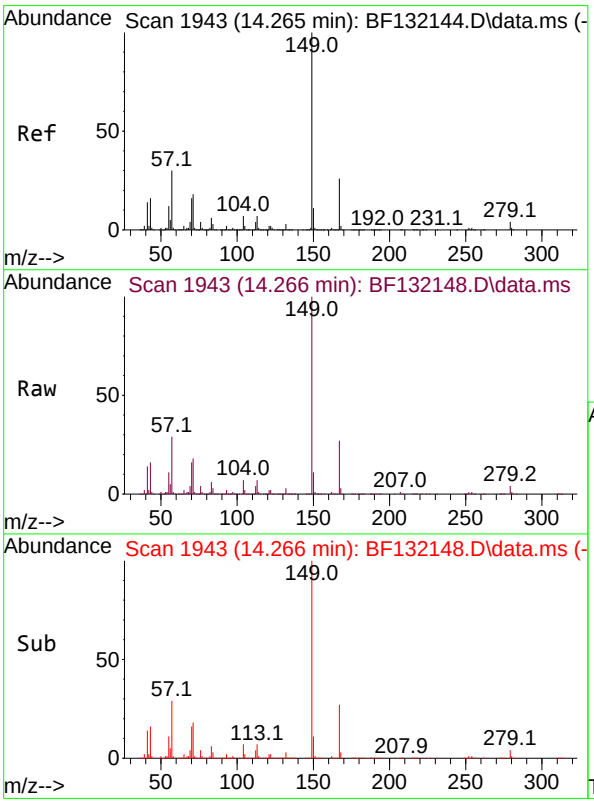
#83
Chrysene
Concen: 39.446 ng
RT: 14.330 min Scan# 19
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:228 Resp: 775281

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.3	36.5
229	20.3	15.8	23.6

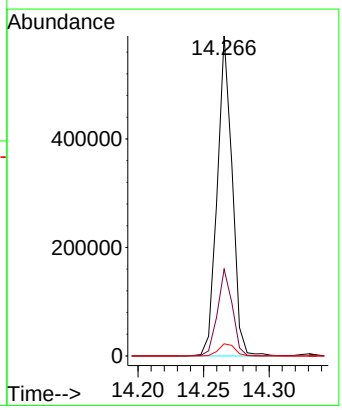


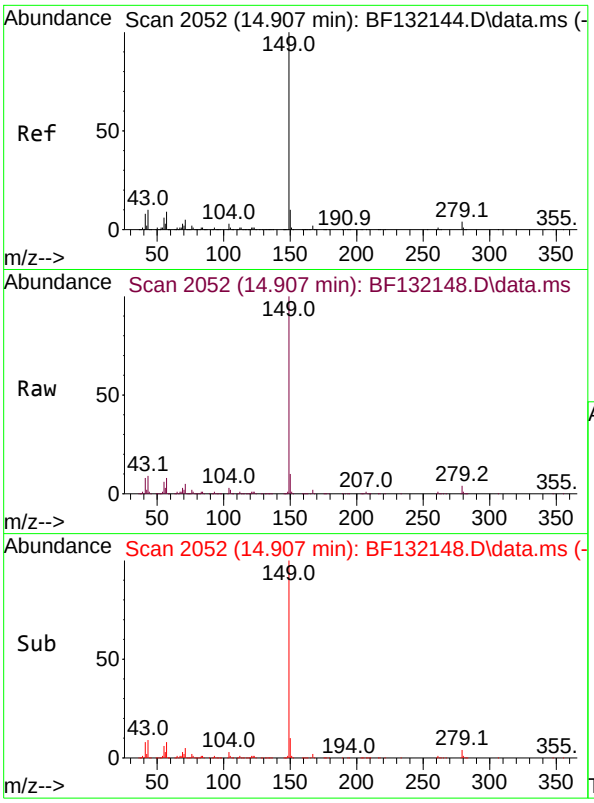


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.877 ng
RT: 14.266 min Scan# 1943
Delta R.T. 0.001 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:149 Resp: 468631

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.0	31.6
279	3.8	3.2	4.8



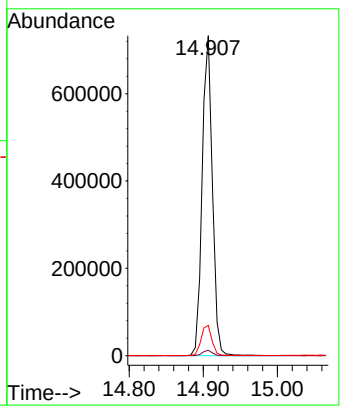


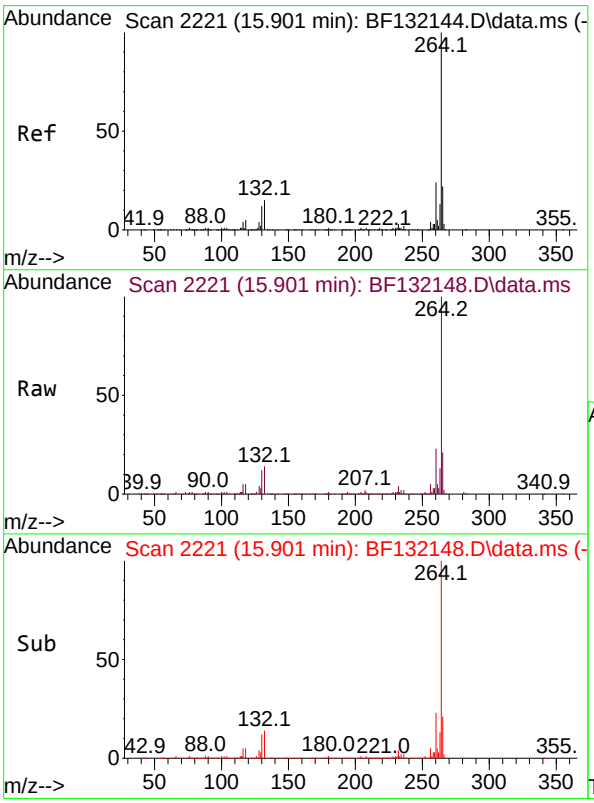
#85
Di-n-octyl phthalate
Concen: 42.292 ng
RT: 14.907 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:149 Resp: 699411

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.0	8.4	12.6

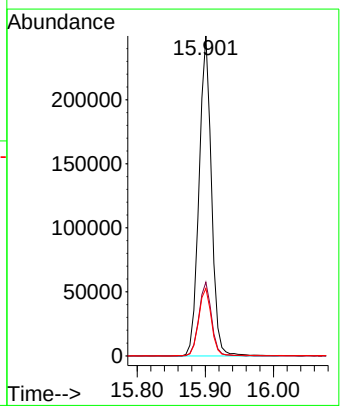


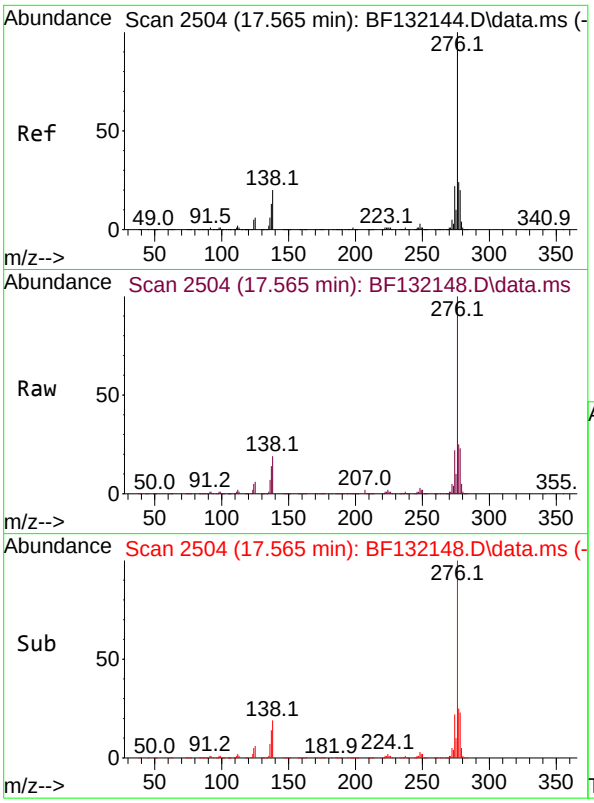


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.901 min Scan# 2221
Delta R.T. -0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:264 Resp: 315389

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.1	28.7
265	21.1	17.4	26.0



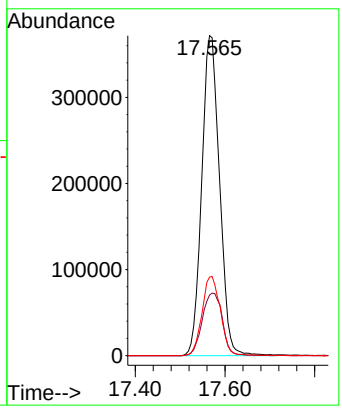


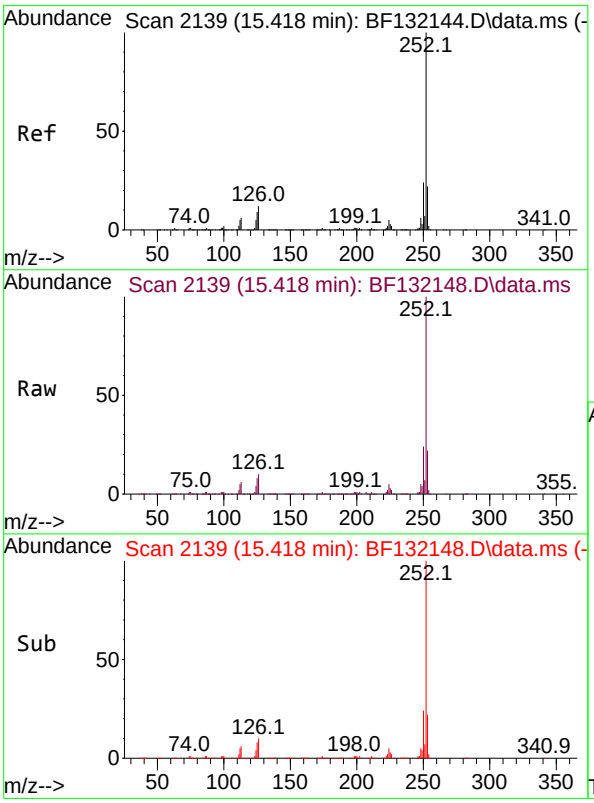
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.080 ng
RT: 17.565 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:276 Resp: 1022972

Ion	Ratio	Lower	Upper
276	100		
138	22.0	17.9	26.9
277	25.5	20.2	30.2

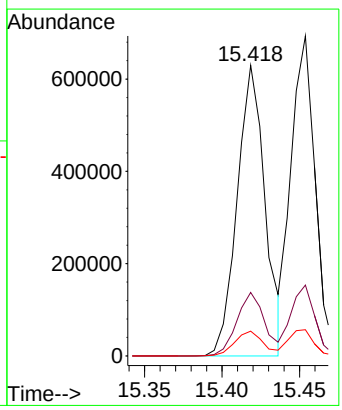


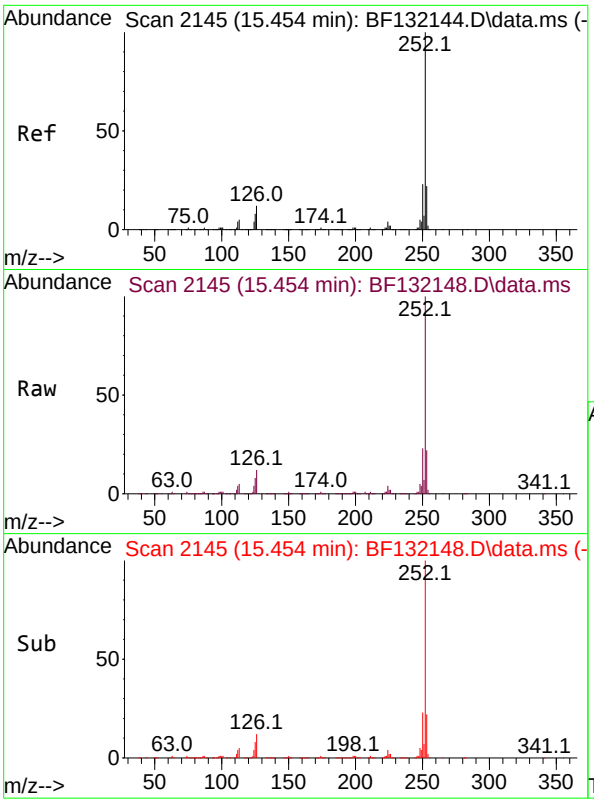


#88
Benzo(b)fluoranthene
Concen: 41.092 ng
RT: 15.418 min Scan# 2139
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:252 Resp: 789087

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	8.5	7.2	10.8



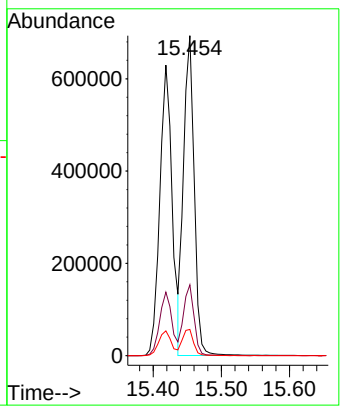


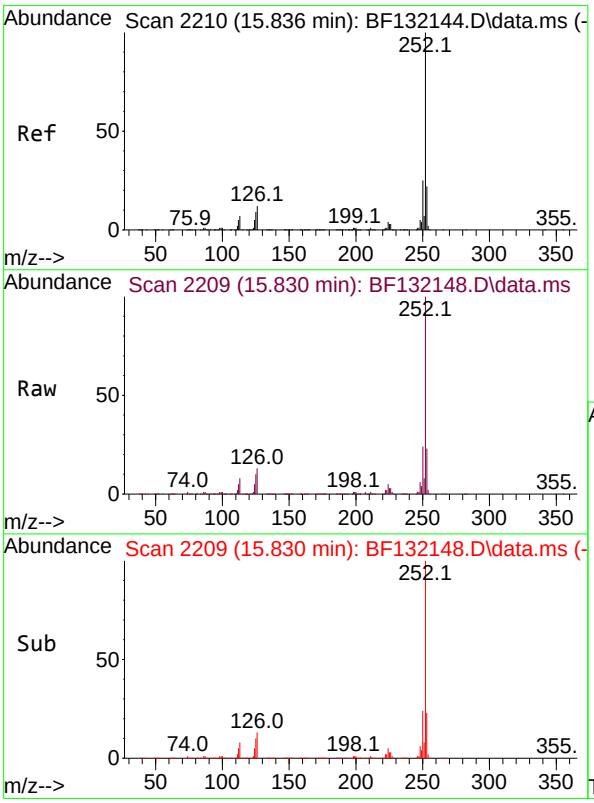
#89
Benzo(k)fluoranthene
Concen: 38.618 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:252 Resp: 756317

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	8.2	6.4	9.6

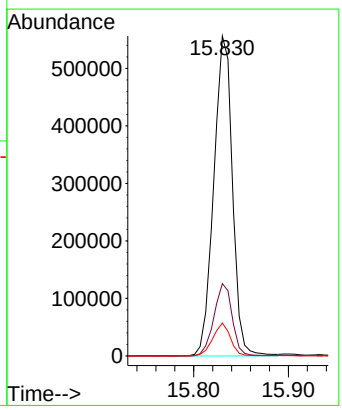


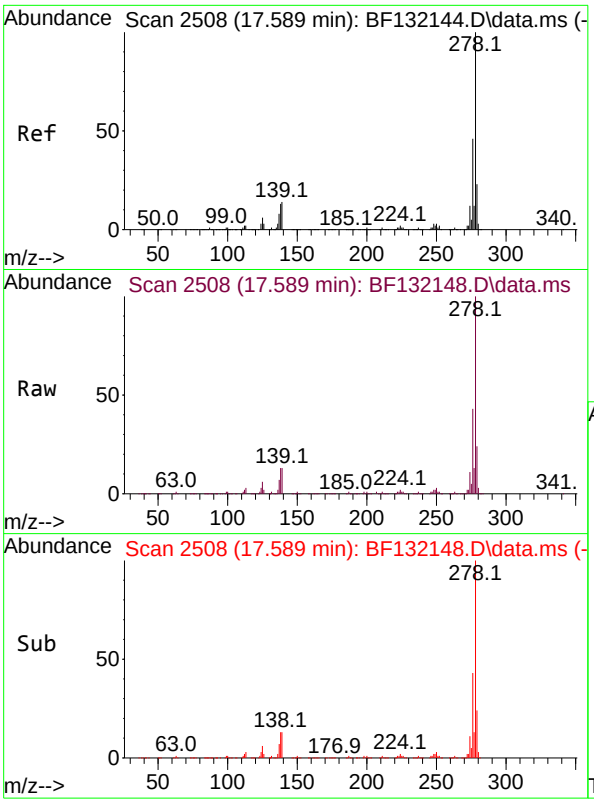


#90
Benzo(a)pyrene
Concen: 41.276 ng
RT: 15.830 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:252 Resp: 762470

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	10.3	7.3	10.9



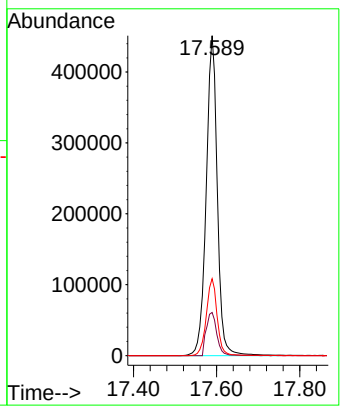


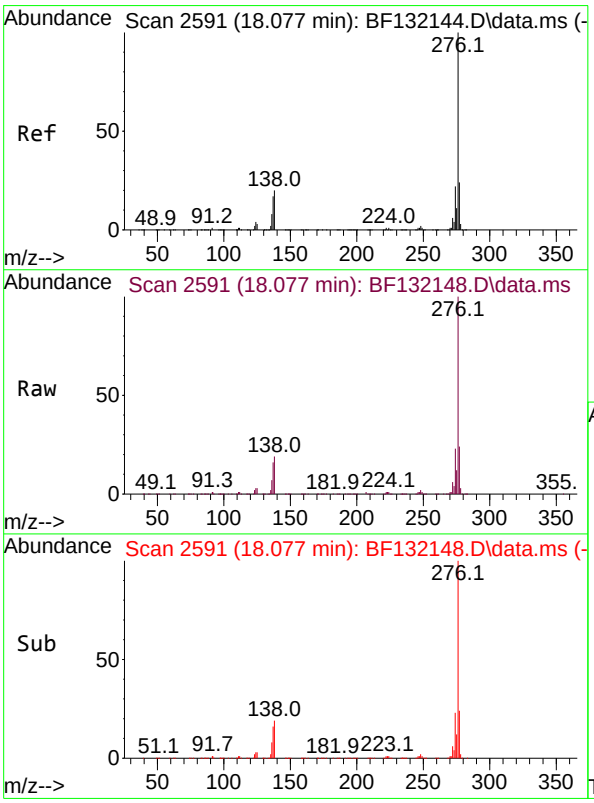
#91
Dibenzo(a,h)anthracene
Concen: 44.798 ng
RT: 17.589 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Tgt Ion:278 Resp: 836172

Ion	Ratio	Lower	Upper
278	100		
139	13.5	11.4	17.2
279	24.0	18.6	28.0

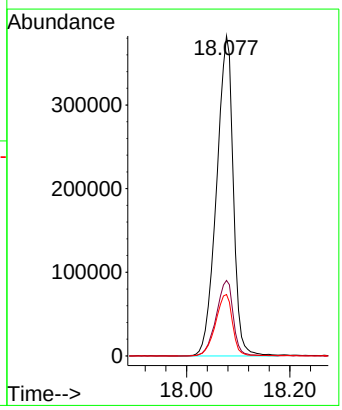




#92
Benzo(g,h,i)perylene
Concen: 40.647 ng
RT: 18.077 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF132148.D
Acq: 19 Jan 2023 15:44

Tgt Ion:276 Resp: 867368

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.9	28.3
138	19.2	15.7	23.5



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132148.D
Acq On : 19 Jan 2023 15:44
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Quant Time: Jan 20 00:55:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
2		1,4-Dioxane	0.580	0.570	1.7	95	0.00
3		Pyridine	1.557	1.551	0.4	95	0.00
4		n-Nitrosodimethylamine	0.732	0.740	-1.1	98	0.00
5	S	2-Fluorophenol	1.145	1.140	0.4	98	0.00
6		Aniline	1.996	1.959	1.9	97	0.00
7	S	Phenol-d6	1.441	1.432	0.6	98	0.00
8		2-Chlorophenol	1.203	1.221	-1.5	99	0.00
9		Benzaldehyde	0.927	0.942	-1.6	100	0.00
10	C	Phenol	1.500	1.489	0.7	98	0.00
11		bis(2-Chloroethyl)ether	1.270	1.247	1.8	97	0.00
12		1,3-Dichlorobenzene	1.345	1.330	1.1	98	0.00
13	C	1,4-Dichlorobenzene	1.342	1.342	0.0	98	0.00
14		1,2-Dichlorobenzene	1.241	1.221	1.6	98	0.00
15		Benzyl Alcohol	1.102	1.145	-3.9	100	0.00
16		2,2'-oxybis(1-Chloropropane	1.846	1.830	0.9	97	0.00
17		2-Methylphenol	1.054	1.056	-0.2	98	0.00
18		Hexachloroethane	0.482	0.498	-3.3	98	0.00
19	P	n-Nitroso-di-n-propylamine	0.883	0.855	3.2	97	0.00
20		3+4-Methylphenols	1.328	1.350	-1.7	99	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	98	0.00
22		Acetophenone	0.481	0.459	4.6	97	0.00
23	S	Nitrobenzene-d5	0.376	0.390	-3.7	100	0.00
24		Nitrobenzene	0.399	0.411	-3.0	99	0.00
25		Isophorone	0.737	0.722	2.0	98	0.00
26	C	2-Nitrophenol	0.127	0.167	-31.5#	111	0.00
27		2,4-Dimethylphenol	0.319	0.321	-0.6	97	0.00
28		bis(2-Chloroethoxy)methane	0.442	0.434	1.8	99	0.00
29	C	2,4-Dichlorophenol	0.303	0.308	-1.7	98	0.00
30		1,2,4-Trichlorobenzene	0.344	0.338	1.7	98	0.00
31		Naphthalene	1.027	0.998	2.8	98	0.00
32		Benzoic acid	0.187	0.220	-17.6	115	0.00
33		4-Chloroaniline	0.440	0.432	1.8	97	0.00
34	C	Hexachlorobutadiene	0.231	0.232	-0.4	100	0.00
35		Caprolactam	0.086	0.090	-4.7	97	0.00
36	C	4-Chloro-3-methylphenol	0.305	0.309	-1.3	98	0.00
37		2-Methylnaphthalene	0.707	0.687	2.8	98	0.00
38		1-Methylnaphthalene	0.658	0.635	3.5	97	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00
40		1,2,4,5-Tetrachlorobenzene	0.696	0.682	2.0	98	0.00
41	P	Hexachlorocyclopentadiene	0.380	0.406	-6.8	102	0.00
42	S	2,4,6-Tribromophenol	0.214	0.224	-4.7	100	0.00
43	C	2,4,6-Trichlorophenol	0.432	0.448	-3.7	98	0.00
44		2,4,5-Trichlorophenol	0.505	0.526	-4.2	99	0.00
45	S	2-Fluorobiphenyl	1.369	1.261	7.9	99	0.00
46		1,1'-Biphenyl	1.578	1.539	2.5	98	0.00
47		2-Chloronaphthalene	1.220	1.185	2.9	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132148.D
Acq On : 19 Jan 2023 15:44
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Quant Time: Jan 20 00:55:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.351	0.395	-12.5	102	0.00
49		Acenaphthylene	1.951	1.911	2.1	98	0.00
50		Dimethylphthalate	1.449	1.439	0.7	98	0.00
51		2,6-Dinitrotoluene	0.281	0.310	-10.3	101	0.00
52	C	Acenaphthene	1.174	1.139	3.0	98	0.00
53		3-Nitroaniline	0.300	0.326	-8.7	100	0.00
54	P	2,4-Dinitrophenol	0.108	0.132	-22.2	117	0.00
55		Dibenzofuran	1.814	1.749	3.6	97	0.00
56	P	4-Nitrophenol	0.218	0.244	-11.9	103	0.00
57		2,4-Dinitrotoluene	0.337	0.385	-14.2	107	0.00
58		Fluorene	1.344	1.283	4.5	98	0.00
59		2,3,4,6-Tetrachlorophenol	0.384	0.404	-5.2	98	0.00
60		Diethylphthalate	1.420	1.408	0.8	97	0.00
61		4-Chlorophenyl-phenylether	0.720	0.700	2.8	98	0.00
62		4-Nitroaniline	0.279	0.285	-2.2	99	0.00
63		Azobenzene	1.426	1.379	3.3	97	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	95	0.00
65		4,6-Dinitro-2-methylphenol	0.087	0.103	-18.4	116	0.00
66	c	n-Nitrosodiphenylamine	0.641	0.630	1.7	97	0.00
67		4-Bromophenyl-phenylether	0.244	0.241	1.2	96	0.00
68		Hexachlorobenzene	0.242	0.240	0.8	97	0.00
69		Atrazine	0.198	0.200	-1.0	96	0.00
70	C	Pentachlorophenol	0.156	0.171	-9.6	100	0.00
71		Phenanthrene	1.050	1.022	2.7	97	0.00
72		Anthracene	1.062	1.033	2.7	97	0.00
73		Carbazole	0.907	0.865	4.6	95	0.00
74		Di-n-butylphthalate	1.010	1.017	-0.7	97	0.00
75	C	Fluoranthene	1.078	1.013	6.0	95	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	93	0.00
77		Benzidine	0.600	0.611	-1.8	83	0.00
78		Pyrene	1.843	1.888	-2.4	95	0.00
79	S	Terphenyl-d14	1.194	1.190	0.3	95	0.00
80		Butylbenzylphthalate	0.534	0.616	-15.4	98	0.00
81		Benzo(a)anthracene	1.429	1.424	0.3	94	0.00
82		3,3'-Dichlorobenzidine	0.398	0.442	-11.1	97	0.00
83		Chrysene	1.360	1.341	1.4	93	0.00
84		Bis(2-ethylhexyl)phthalate	0.705	0.811	-15.0	98	0.00
85	c	Di-n-octyl phthalate	1.083	1.210	-11.7	103	0.00
86	I	Perylene-d12	1.000	1.000	0.0	98	0.00
87		Indeno(1,2,3-cd)pyrene	1.451	1.622	-11.8	101	0.00
88		Benzo(b)fluoranthene	1.218	1.251	-2.7	100	0.00
89		Benzo(k)fluoranthene	1.242	1.199	3.5	97	0.00
90	C	Benzo(a)pyrene	1.171	1.209	-3.2	99	0.00
91		Dibenzo(a,h)anthracene	1.184	1.326	-12.0	101	0.00
92		Benzo(g,h,i)perylene	1.246	1.375	-10.4	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132148.D
Acq On : 19 Jan 2023 15:44
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Quant Time: Jan 20 00:55:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132148.D
Acq On : 19 Jan 2023 15:44
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Quant Time: Jan 20 00:55:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	96	0.00
2		1,4-Dioxane	40.000	39.301	1.7	95	0.00
3		Pyridine	40.000	39.841	0.4	95	0.00
4		n-Nitrosodimethylamine	40.000	40.425	-1.1	98	0.00
5	S	2-Fluorophenol	80.000	79.645	0.4	98	0.00
6		Aniline	40.000	39.256	1.9	97	0.00
7	S	Phenol-d6	80.000	79.486	0.6	98	0.00
8		2-Chlorophenol	40.000	40.571	-1.4	99	0.00
9		Benzaldehyde	40.000	40.632	-1.6	100	0.00
10	C	Phenol	40.000	39.701	0.7	98	0.00
11		bis(2-Chloroethyl)ether	40.000	39.259	1.9	97	0.00
12		1,3-Dichlorobenzene	40.000	39.552	1.1	98	0.00
13	C	1,4-Dichlorobenzene	40.000	39.996	0.0	98	0.00
14		1,2-Dichlorobenzene	40.000	39.349	1.6	98	0.00
15		Benzyl Alcohol	40.000	41.551	-3.9	100	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.664	0.8	97	0.00
17		2-Methylphenol	40.000	40.067	-0.2	98	0.00
18		Hexachloroethane	40.000	41.373	-3.4	98	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.753	3.1	97	0.00
20		3+4-Methylphenols	40.000	40.648	-1.6	99	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	98	0.00
22		Acetophenone	40.000	38.155	4.6	97	0.00
23	S	Nitrobenzene-d5	80.000	82.897	-3.6	100	0.00
24		Nitrobenzene	40.000	41.232	-3.1	99	0.00
25		Isophorone	40.000	39.224	1.9	98	0.00
26	C	2-Nitrophenol	40.000	44.494	-11.2	111	0.00
27		2,4-Dimethylphenol	40.000	40.276	-0.7	97	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.240	1.9	99	0.00
29	C	2,4-Dichlorophenol	40.000	40.736	-1.8	98	0.00
30		1,2,4-Trichlorobenzene	40.000	39.345	1.6	98	0.00
31		Naphthalene	40.000	38.858	2.9	98	0.00
32		Benzoic acid	40.000	42.386	-6.0	115	0.00
33		4-Chloroaniline	40.000	39.292	1.8	97	0.00
34	C	Hexachlorobutadiene	40.000	40.159	-0.4	100	0.00
35		Caprolactam	40.000	41.792	-4.5	97	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.638	-1.6	98	0.00
37		2-Methylnaphthalene	40.000	38.851	2.9	98	0.00
38		1-Methylnaphthalene	40.000	38.619	3.5	97	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	98	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.204	2.0	98	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.778	-6.9	102	0.00
42	S	2,4,6-Tribromophenol	80.000	83.991	-5.0	100	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.471	-3.7	98	0.00
44		2,4,5-Trichlorophenol	40.000	41.656	-4.1	99	0.00
45	S	2-Fluorobiphenyl	80.000	73.696	7.9	99	0.00
46		1,1'-Biphenyl	40.000	39.026	2.4	98	0.00
47		2-Chloronaphthalene	40.000	38.849	2.9	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132148.D
Acq On : 19 Jan 2023 15:44
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Quant Time: Jan 20 00:55:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.882	-2.2	102	0.00
49		Acenaphthylene	40.000	39.175	2.1	98	0.00
50		Dimethylphthalate	40.000	39.729	0.7	98	0.00
51		2,6-Dinitrotoluene	40.000	44.109	-10.3	101	0.00
52	C	Acenaphthene	40.000	38.803	3.0	98	0.00
53		3-Nitroaniline	40.000	43.470	-8.7	100	0.00
54	P	2,4-Dinitrophenol	40.000	43.353	-8.4	117	0.00
55		Dibenzofuran	40.000	38.579	3.6	97	0.00
56	P	4-Nitrophenol	40.000	44.675	-11.7	103	0.00
57		2,4-Dinitrotoluene	40.000	45.732	-14.3	107	0.00
58		Fluorene	40.000	38.193	4.5	98	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.074	-5.2	98	0.00
60		Diethylphthalate	40.000	39.637	0.9	97	0.00
61		4-Chlorophenyl-phenylether	40.000	38.934	2.7	98	0.00
62		4-Nitroaniline	40.000	40.810	-2.0	99	0.00
63		Azobenzene	40.000	38.693	3.3	97	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	95	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.985	-7.5	116	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.352	1.6	97	0.00
67		4-Bromophenyl-phenylether	40.000	39.565	1.1	96	0.00
68		Hexachlorobenzene	40.000	39.667	0.8	97	0.00
69		Atrazine	40.000	40.505	-1.3	96	0.00
70	C	Pentachlorophenol	40.000	44.053	-10.1	100	0.00
71		Phenanthrene	40.000	38.938	2.7	97	0.00
72		Anthracene	40.000	38.898	2.8	97	0.00
73		Carbazole	40.000	38.127	4.7	95	0.00
74		Di-n-butylphthalate	40.000	40.307	-0.8	97	0.00
75	C	Fluoranthene	40.000	37.600	6.0	95	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	93	0.00
77		Benzidine	40.000	40.675	-1.7	83	0.00
78		Pyrene	40.000	40.977	-2.4	95	0.00
79	S	Terphenyl-d14	80.000	79.705	0.4	95	0.00
80		Butylbenzylphthalate	40.000	41.476	-3.7	98	0.00
81		Benzo(a)anthracene	40.000	39.867	0.3	94	0.00
82		3,3'-Dichlorobenzidine	40.000	44.466	-11.2	97	0.00
83		Chrysene	40.000	39.446	1.4	93	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.877	-2.2	98	0.00
85	c	Di-n-octyl phthalate	40.000	42.292	-5.7	103	0.00
86	I	Perylene-d12	20.000	20.000	0.0	98	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.080	-2.7	101	0.00
88		Benzo(b)fluoranthene	40.000	41.092	-2.7	100	0.00
89		Benzo(k)fluoranthene	40.000	38.618	3.5	97	0.00
90	C	Benzo(a)pyrene	40.000	41.276	-3.2	99	0.00
91		Dibenzo(a,h)anthracene	40.000	44.798	-12.0	101	0.00
92		Benzo(g,h,i)perylene	40.000	40.647	-1.6	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132148.D
Acq On : 19 Jan 2023 15:44
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF011923

Quant Time: Jan 20 00:55:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_G Calibration Date(s): 12/27/2022 12/27/2022

Calibration Time(s): 14:55 19:42

LAB FILE ID: RRF2.5 = BG056126.D RRF005 = BG056127.D RRF010 = BG056128.D
RRF020 = BG056129.D RRF040 = BG056130.D RRF050 = BG056131.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.169	1.169	1.157	1.128	1.128	1.120	4.9
Benzaldehyde		1.168	1.151	1.108	1.001	0.997	1.023	12.4
Phenol-d6		1.750	1.739	1.781	1.786	1.729	1.720	3.9
Phenol		1.756	1.808	1.805	1.796	1.756	1.745	4.3
bis(2-Chloroethyl)ether		1.212	1.248	1.285	1.195	1.162	1.182	6.5
2-Chlorophenol		1.120	1.124	1.156	1.137	1.119	1.115	3.1
2-Methylphenol		1.283	1.274	1.327	1.330	1.275	1.280	3.0
2,2-oxybis(1-Chloropropane)		0.241	0.227	0.216	0.210	0.201	0.209	10.3
Acetophenone		0.571	0.584	0.572	0.567	0.564	0.566	2.3
3+4-Methylphenols		1.764	1.762	1.838	1.872	1.825	1.800	2.5
n-Nitroso-di-n-propylamine	1.042	1.116	1.102	1.088	1.060	1.051	1.046	5.9
Nitrobenzene-d5		0.405	0.387	0.401	0.389	0.386	0.391	2.4
Hexachloroethane		0.446	0.427	0.430	0.418	0.420	0.414	6.4
Nitrobenzene		0.408	0.387	0.390	0.383	0.387	0.387	2.6
Isophorone		0.868	0.842	0.828	0.819	0.814	0.823	3.3
2-Nitrophenol		0.198	0.193	0.195	0.198	0.200	0.198	1.7
2,4-Dimethylphenol		0.352	0.381	0.372	0.359	0.356	0.362	3.0
bis(2-Chloroethoxy)methane		0.451	0.427	0.450	0.420	0.424	0.428	3.9
2,4-Dichlorophenol		0.381	0.385	0.397	0.411	0.413	0.400	3.4
Naphthalene		1.075	1.041	1.064	1.036	1.055	1.053	1.4
4-Chloroaniline		0.519	0.490	0.501	0.502	0.501	0.503	1.7
Hexachlorobutadiene		0.340	0.326	0.327	0.330	0.322	0.326	2.2
Caprolactam		0.140	0.135	0.145	0.134	0.130	0.135	4.1
4-Chloro-3-methylphenol		0.404	0.384	0.417	0.402	0.413	0.406	2.9
2-Methylnaphthalene		0.914	0.894	0.878	0.890	0.888	0.889	1.5
Hexachlorocyclopentadiene		0.384	0.371	0.415	0.456	0.472	0.427	9.0
2,4,6-Trichlorophenol		0.470	0.462	0.494	0.517	0.527	0.496	4.8
2-Fluorobiphenyl		1.505	1.433	1.451	1.469	1.486	1.448	3.2
2,4,5-Trichlorophenol		0.579	0.570	0.578	0.597	0.616	0.586	2.8
1,1-Biphenyl		1.455	1.398	1.448	1.457	1.463	1.432	2.3
2-Chloronaphthalene		1.158	1.106	1.117	1.149	1.159	1.131	2.4
2-Nitroaniline		0.229	0.226	0.244	0.246	0.252	0.241	4.3
Dimethylphthalate		1.665	1.624	1.674	1.624	1.627	1.615	3.5
Acenaphthylene		1.888	1.808	1.841	1.872	1.893	1.840	2.8
2,6-Dinitrotoluene		0.353	0.342	0.342	0.341	0.354	0.344	2.2
3-Nitroaniline		0.336	0.308	0.329	0.334	0.339	0.327	3.5

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_G Calibration Date(s): 12/27/2022 12/27/2022

Calibration Time(s): 14:55 19:42

LAB FILE ID: RRF2.5 = BG056126.D RRF005 = BG056127.D RRF010 = BG056128.D
RRF020 = BG056129.D RRF040 = BG056130.D RRF050 = BG056131.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Acenaphthene		1.216	1.126	1.202	1.223	1.243	1.197	3.4
2,4-Dinitrophenol		0.209	0.229	0.249	0.261	0.262	0.246	8.0
4-Nitrophenol		0.251	0.240	0.256	0.261	0.252	0.252	2.7
Dibenzofuran		2.038	1.939	2.015	2.022	2.016	1.980	3.0
2,4-Dinitrotoluene		0.467	0.461	0.488	0.496	0.498	0.481	3.3
Diethylphthalate		1.633	1.519	1.533	1.531	1.523	1.514	4.8
4-Chlorophenyl-phenylether		1.011	0.975	1.007	1.012	1.019	0.994	2.6
Fluorene		1.679	1.588	1.623	1.601	1.606	1.593	3.6
4-Nitroaniline		0.335	0.336	0.347	0.345	0.333	0.335	2.9
4,6-Dinitro-2-methylphenol		0.124	0.120	0.135	0.141	0.141	0.135	6.6
n-Nitrosodiphenylamine		0.559	0.545	0.556	0.560	0.568	0.555	1.5
2,4,6-Tribromophenol		0.249	0.249	0.258	0.257	0.260	0.253	2.1
4-Bromophenyl-phenylether		0.258	0.248	0.254	0.258	0.261	0.255	1.8
Hexachlorobenzene		0.245	0.229	0.235	0.241	0.242	0.238	2.2
Atrazine		0.229	0.235	0.232	0.238	0.230	0.230	2.5
Pentachlorophenol		0.161	0.169	0.181	0.190	0.193	0.183	7.1
Phenanthrene		1.069	1.039	1.044	1.049	1.039	1.036	2.3
Anthracene		1.126	1.064	1.088	1.081	1.067	1.069	3.3
Carbazole		0.955	0.902	0.905	0.913	0.887	0.899	3.6
Di-n-butylphthalate		0.913	0.884	0.913	0.914	0.898	0.896	2.3
Fluoranthene		1.422	1.370	1.385	1.373	1.331	1.352	3.8
Pyrene		1.497	1.431	1.424	1.404	1.419	1.410	3.8
Terphenyl-d14		1.209	1.145	1.140	1.113	1.105	1.117	5.0
Butylbenzylphthalate		0.406	0.388	0.401	0.409	0.418	0.404	2.3
3,3-Dichlorobenzidine		0.517	0.499	0.505	0.526	0.512	0.506	2.8
Benzo(a)anthracene		1.449	1.398	1.401	1.416	1.424	1.405	2.1
Chrysene		1.350	1.311	1.314	1.333	1.334	1.316	2.0
Bis(2-ethylhexyl)phthalate		0.608	0.567	0.565	0.590	0.601	0.583	3.0
Di-n-octyl phthalate		0.994	0.973	0.976	1.000	1.008	0.984	1.7
Benzo(b)fluoranthene		1.310	1.235	1.285	1.297	1.277	1.271	3.0
Benzo(k)fluoranthene		1.300	1.284	1.245	1.283	1.284	1.265	2.4
Benzo(a)pyrene		1.277	1.233	1.230	1.261	1.258	1.239	2.3
Indeno(1,2,3-cd)pyrene		1.482	1.429	1.447	1.484	1.447	1.455	1.9
Dibenzo(a,h)anthracene		1.270	1.222	1.221	1.234	1.198	1.219	2.4
Benzo(g,h,i)perylene		1.215	1.162	1.179	1.213	1.169	1.183	2.1
1,2,4,5-Tetrachlorobenzene		0.761	0.719	0.750	0.765	0.776	0.750	2.9

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_G Calibration Date(s): 12/27/2022 12/27/2022

Calibration Time(s): 14:55 19:42

LAB FILE ID: RRF2.5 = BG056126.D RRF005 = BG056127.D RRF010 = BG056128.D
RRF020 = BG056129.D RRF040 = BG056130.D RRF050 = BG056131.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
1,4-Dioxane		0.534	0.553	0.535	0.538	0.502	0.512	7.8
2,3,4,6-Tetrachlorophenol		0.535	0.531	0.569	0.559	0.569	0.551	3.3

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Dec 28 05:20:14 2022
Response Via : Initial Calibration

Calibration Files
2.5 =BG056126.D 5 =BG056127.D 10 =BG056128.D 20 =BG056129.D 40 =BG056130.D 50 =BG056131.D 60 =BG056132.D 80 =BG0561
33.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.534	0.553	0.535	0.538	0.502	0.477	0.442	0.512	7.80
3)		Pyridine		1.468	1.554	1.680	1.617	1.599	1.528	1.462	1.558	5.13
4)		n-Nitrosodimet...		0.311	0.311	0.330	0.335	0.331	0.301	0.300	0.317	4.70
5)	S	2-Fluorophenol		1.169	1.169	1.157	1.128	1.128	1.061	1.029	1.120	4.90
6)		Aniline		2.284	2.358	2.331	2.300	2.228	2.176	2.114	2.256	3.88
7)	S	Phenol-d6		1.750	1.738	1.781	1.786	1.729	1.653	1.605	1.720	3.90
8)		2-Chlorophenol		1.120	1.124	1.156	1.137	1.119	1.098	1.048	1.115	3.08
9)		Benzaldehyde		1.168	1.151	1.108	1.001	0.997	0.899	0.837	1.023	12.35
10)	C	Phenol		1.756	1.808	1.805	1.796	1.756	1.682	1.608	1.745	4.25
11)		bis(2-Chloroet...		1.212	1.248	1.285	1.195	1.162	1.103	1.070	1.182	6.48
12)		1,3-Dichlorobe...		1.421	1.485	1.384	1.355	1.353	1.278	1.220	1.357	6.48
13)	C	1,4-Dichlorobe...		1.411	1.428	1.394	1.383	1.362	1.302	1.256	1.362	4.54
14)		1,2-Dichlorobe...		1.358	1.364	1.374	1.332	1.321	1.249	1.202	1.314	4.95
15)		Benzyl Alcohol		1.241	1.231	1.290	1.315	1.268	1.220	1.199	1.252	3.28
16)		2,2'-oxybis(1-...		0.241	0.227	0.216	0.210	0.201	0.187	0.181	0.209	10.28
17)		2-Methylphenol		1.283	1.274	1.327	1.330	1.275	1.247	1.225	1.280	3.01
18)		Hexachloroethane		0.446	0.427	0.430	0.418	0.420	0.386	0.371	0.414	6.36
19)	P	n-Nitroso-di-n...	1.042	1.116	1.102	1.088	1.060	1.051	0.963	0.947	1.046	5.88
20)		3+4-Methylphenols		1.764	1.762	1.838	1.872	1.825	1.781	1.756	1.800	2.52
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.571	0.584	0.572	0.567	0.564	0.557	0.543	0.566	2.28
23)	S	Nitrobenzene-d5		0.405	0.387	0.401	0.389	0.386	0.391	0.378	0.391	2.38
24)		Nitrobenzene		0.408	0.387	0.390	0.383	0.387	0.381	0.376	0.387	2.58
25)		Isophorone		0.868	0.842	0.828	0.819	0.814	0.807	0.781	0.823	3.33
26)	C	2-Nitrophenol		0.198	0.193	0.195	0.198	0.200	0.202	0.202	0.198	1.72
27)		2,4-Dimethylph...		0.352	0.381	0.372	0.359	0.356	0.358	0.353	0.362	2.99
28)		bis(2-Chloroet...		0.451	0.427	0.450	0.420	0.424	0.412	0.409	0.428	3.95
29)	C	2,4-Dichloroph...		0.381	0.385	0.397	0.411	0.413	0.414	0.398	0.400	3.39
30)		1,2,4-Trichlor...		0.473	0.453	0.452	0.448	0.457	0.447	0.445	0.454	2.06
31)		Naphthalene		1.075	1.041	1.064	1.036	1.055	1.057	1.040	1.053	1.36
32)		Benzoic acid		0.226	0.235	0.284	0.279	0.288	0.291	0.276	0.268	9.91
33)		4-Chloroaniline		0.519	0.490	0.501	0.502	0.501	0.505	0.500	0.503	1.71
34)	C	Hexachlorobuta...		0.340	0.326	0.327	0.330	0.322	0.322	0.317	0.326	2.20
35)		Caprolactam		0.140	0.135	0.145	0.134	0.130	0.135	0.129	0.135	4.15
36)	C	4-Chloro-3-met...		0.404	0.384	0.417	0.402	0.413	0.417	0.401	0.406	2.86
37)		2-Methylnaphth...		0.914	0.894	0.878	0.890	0.888	0.885	0.872	0.889	1.49
38)		1-Methylnaphth...		0.825	0.824	0.844	0.817	0.828	0.829	0.810	0.825	1.29

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG122722.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.761	0.719	0.750	0.765	0.776	0.755	0.721	0.750	2.89
41)	P	Hexachlorocycl...	0.384	0.371	0.415	0.456	0.472	0.450	0.443	0.427	8.98
42)	S	2,4,6-Tribromo...	0.249	0.249	0.258	0.257	0.260	0.254	0.246	0.253	2.09
43)	C	2,4,6-Trichlor...	0.470	0.462	0.494	0.517	0.527	0.508	0.492	0.496	4.78
44)		2,4,5-Trichlor...	0.579	0.570	0.578	0.597	0.616	0.590	0.573	0.586	2.76
45)	S	2-Fluorobiphenyl	1.505	1.433	1.451	1.469	1.486	1.430	1.365	1.448	3.18
46)		1,1'-Biphenyl	1.455	1.398	1.448	1.457	1.463	1.426	1.380	1.432	2.26
47)		2-Chloronaphth...	1.158	1.106	1.117	1.149	1.159	1.134	1.090	1.131	2.41
48)		2-Nitroaniline	0.229	0.226	0.244	0.246	0.252	0.252	0.236	0.241	4.32
49)		Acenaphthylene	1.888	1.808	1.841	1.872	1.893	1.827	1.749	1.840	2.78
50)		Dimethylphthalate	1.665	1.624	1.674	1.624	1.627	1.581	1.506	1.615	3.52
51)		2,6-Dinitrotol...	0.353	0.342	0.342	0.341	0.354	0.345	0.331	0.344	2.25
52)	C	Acenaphthene	1.216	1.126	1.202	1.223	1.243	1.208	1.157	1.197	3.40
53)		3-Nitroaniline	0.336	0.308	0.329	0.334	0.339	0.331	0.315	0.327	3.54
54)	P	2,4-Dinitrophenol	0.209	0.229	0.249	0.261	0.262	0.260	0.251	0.246	8.00
55)		Dibenzofuran	2.038	1.939	2.015	2.022	2.016	1.959	1.872	1.980	3.01
56)	P	4-Nitrophenol	0.251	0.240	0.256	0.261	0.252	0.256	0.246	0.252	2.73
57)		2,4-Dinitrotol...	0.467	0.461	0.488	0.496	0.498	0.491	0.466	0.481	3.28
58)		Fluorene	1.679	1.588	1.623	1.601	1.606	1.559	1.491	1.593	3.63
59)		2,3,4,6-Tetrac...	0.535	0.531	0.569	0.559	0.569	0.561	0.528	0.551	3.33
60)		Diethylphthalate	1.633	1.519	1.533	1.531	1.523	1.467	1.393	1.514	4.82
61)		4-Chlorophenyl...	1.011	0.975	1.007	1.012	1.019	0.985	0.948	0.994	2.61
62)		4-Nitroaniline	0.335	0.336	0.347	0.345	0.333	0.333	0.318	0.335	2.87
63)		Azobenzene	1.227	1.199	1.207	1.169	1.177	1.128	1.072	1.168	4.54
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.124	0.120	0.135	0.141	0.141	0.142	0.139	0.135	6.60
66)	c	n-Nitrosodiphe...	0.559	0.545	0.556	0.560	0.568	0.553	0.543	0.555	1.54
67)		4-Bromophenyl-...	0.258	0.248	0.254	0.258	0.261	0.253	0.252	0.255	1.78
68)		Hexachlorobenzene	0.245	0.229	0.235	0.241	0.242	0.237	0.235	0.238	2.21
69)		Atrazine	0.229	0.235	0.232	0.238	0.230	0.226	0.221	0.230	2.53
70)	C	Pentachlorophenol	0.161	0.169	0.181	0.190	0.193	0.195	0.190	0.183	7.14
71)		Phenanthrene	1.069	1.039	1.044	1.049	1.039	1.024	0.991	1.036	2.33
72)		Anthracene	1.126	1.064	1.088	1.081	1.067	1.047	1.011	1.069	3.32
73)		Carbazole	0.955	0.902	0.905	0.913	0.887	0.881	0.849	0.899	3.63
74)		Di-n-butylphth...	0.913	0.884	0.913	0.914	0.898	0.889	0.860	0.896	2.26
75)	C	Fluoranthene	1.422	1.370	1.385	1.373	1.331	1.319	1.265	1.352	3.82
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.731	0.700	0.698	0.732	0.698	0.690	0.656	0.701	3.67
78)		Pyrene	1.497	1.431	1.424	1.404	1.419	1.365	1.329	1.410	3.76
79)	S	Terphenyl-d14	1.209	1.145	1.140	1.113	1.105	1.072	1.033	1.117	5.04
80)		Butylbenzylpht...	0.406	0.388	0.401	0.409	0.418	0.409	0.401	0.404	2.31
81)		Benzo(a)anthra...	1.449	1.398	1.401	1.416	1.424	1.392	1.354	1.405	2.10
82)		3,3'-Dichlorob...	0.517	0.499	0.505	0.526	0.512	0.497	0.484	0.506	2.76
83)		Chrysene	1.350	1.311	1.314	1.333	1.334	1.299	1.269	1.316	2.04
84)		Bis(2-ethylhex...	0.608	0.567	0.565	0.590	0.601	0.578	0.570	0.583	2.96
85)	c	Di-n-octyl pht...	0.994	0.973	0.976	1.000	1.008	0.973	0.962	0.984	1.73

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG122722.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.482	1.429	1.447	1.484	1.447	1.479	1.414	1.455	1.90
88)		Benzo(b)fluora...	1.310	1.235	1.285	1.297	1.277	1.289	1.201	1.271	3.03
89)		Benzo(k)fluora...	1.300	1.284	1.245	1.283	1.284	1.244	1.218	1.265	2.36
90)	C	Benzo(a)pyrene	1.277	1.233	1.230	1.261	1.258	1.226	1.191	1.239	2.30
91)		Dibenzo(a,h)an...	1.270	1.222	1.221	1.234	1.198	1.217	1.174	1.219	2.43
92)		Benzo(g,h,i)pe...	1.215	1.162	1.179	1.213	1.169	1.192	1.148	1.183	2.14

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056126.D
Acq On : 27 Dec 2022 14:55
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Dec 28 04:52:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.340	152	46232	20.000	ng	0.00
21) Naphthalene-d8	11.172	136	173546	20.000	ng	0.00
39) Acenaphthene-d10	14.944	164	149131	20.000	ng	0.00
64) Phenanthrene-d10	17.682	188	418758	20.000	ng	0.00
76) Chrysene-d12	21.971	240	422087	20.000	ng	0.00
86) Perylene-d12	25.426	264	457213	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.133	70	6022	3.314	ng	# 88

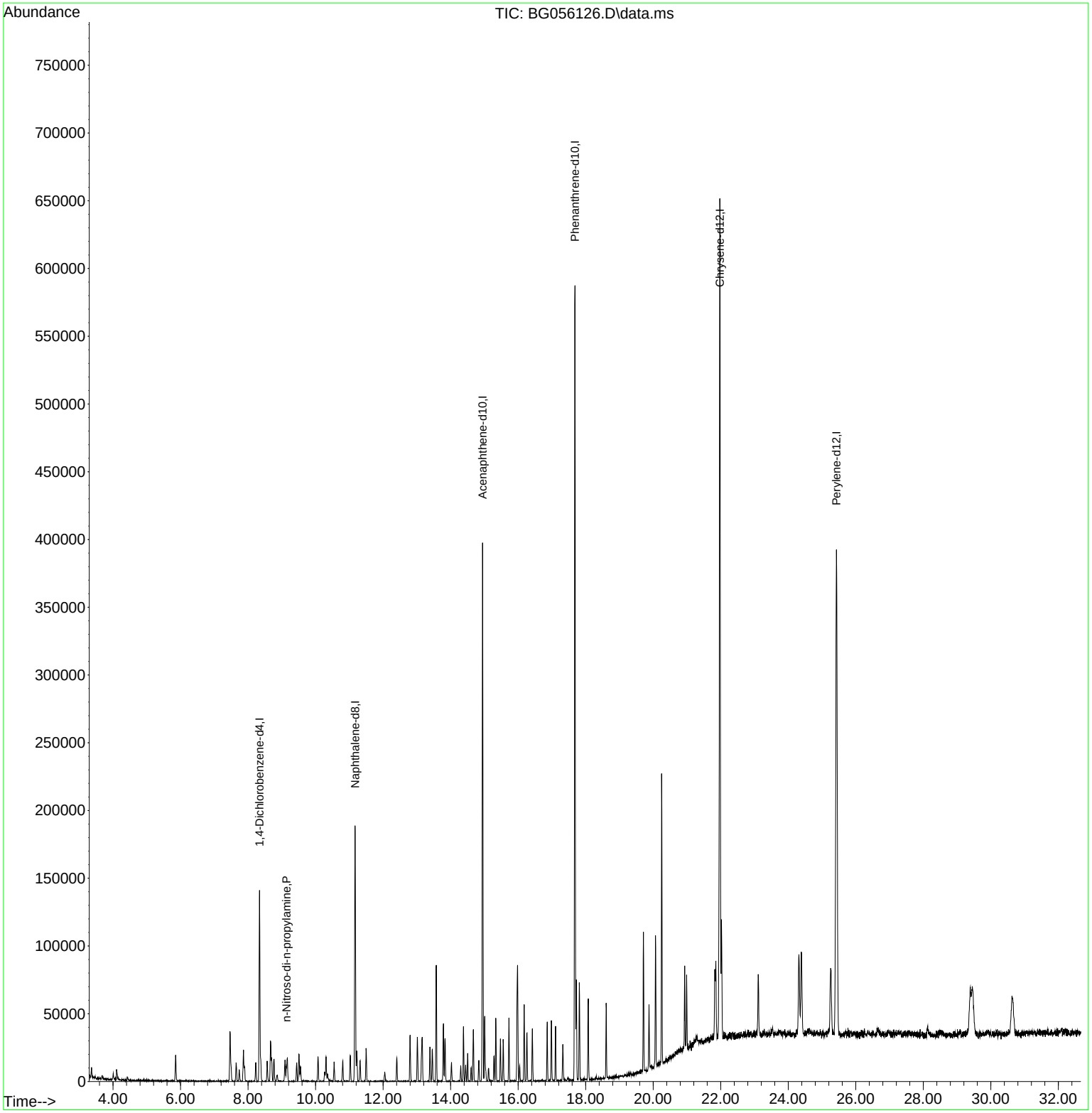
(#) = qualifier out of range (m) = manual integration (+) = signals summed

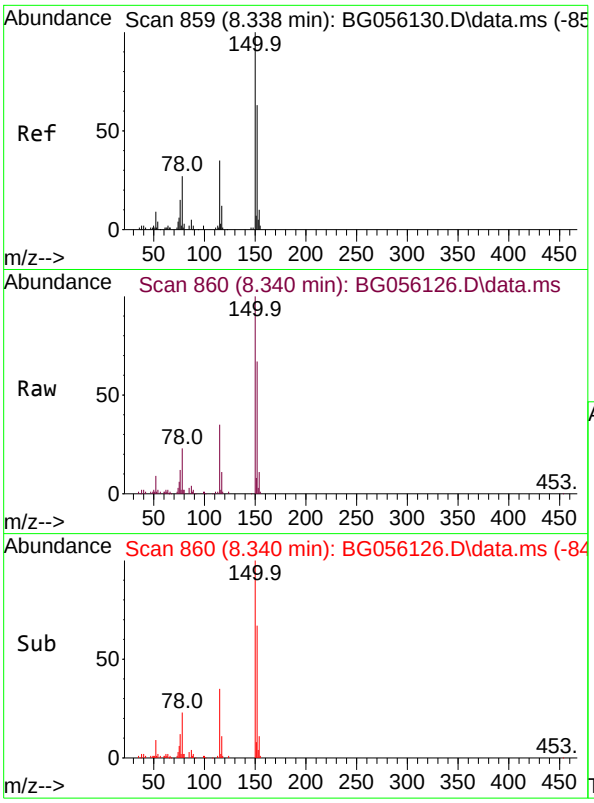
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056126.D
Acq On : 27 Dec 2022 14:55
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Dec 28 04:52:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration



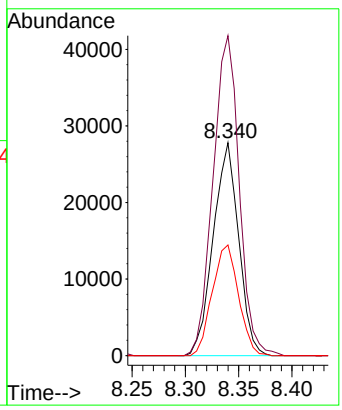


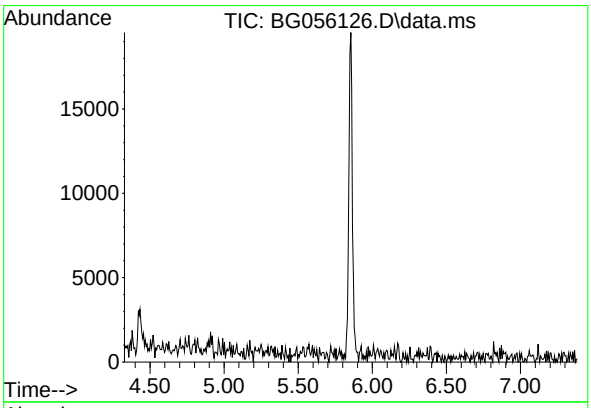
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.340 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG056126.D
Acq: 27 Dec 2022 14:55

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 46232

Ion	Ratio	Lower	Upper
152	100		
150	150.3	127.9	191.9
115	51.9	44.2	66.2



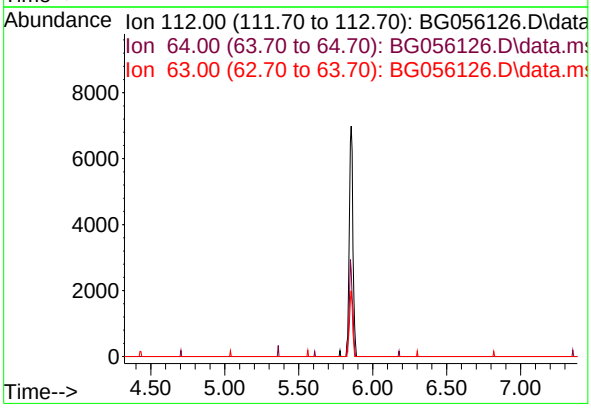


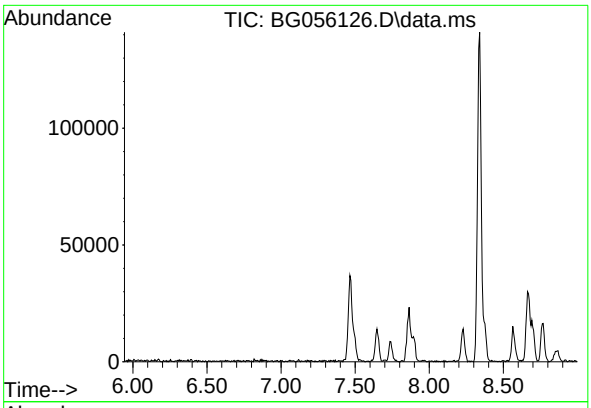
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.85 min

Lab File: BG056126.D
Acq: 27 Dec 2022 14:55

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	41.6
63	23.7





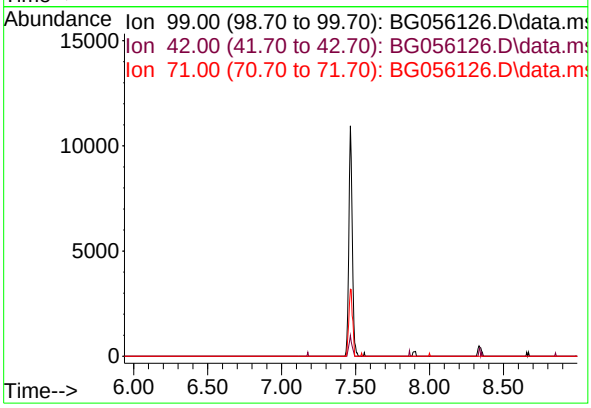
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.47 min

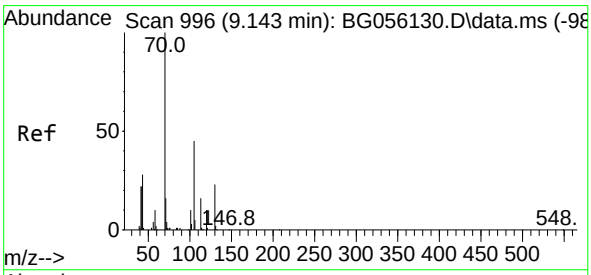
Lab File: BG056126.D
Acq: 27 Dec 2022 14:55

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	7.4
71	31.8

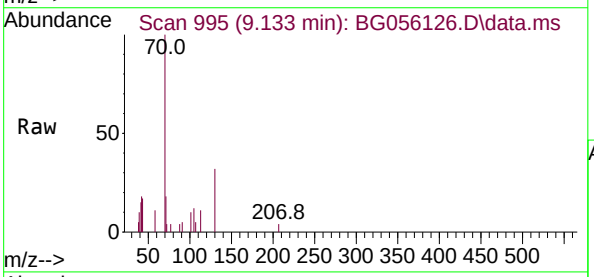


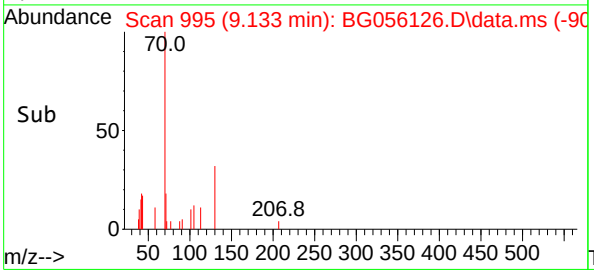


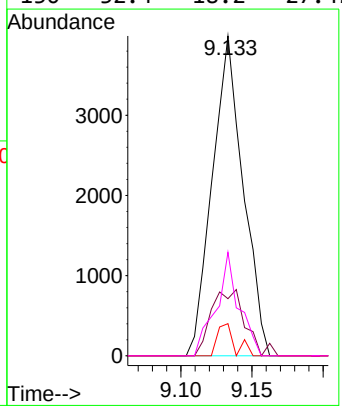
#19
n-Nitroso-di-n-propylamine
Concen: 3.314 ng
RT: 9.133 min Scan# 995
Delta R.T. -0.010 min
Lab File: BG056126.D
Acq: 27 Dec 2022 14:55

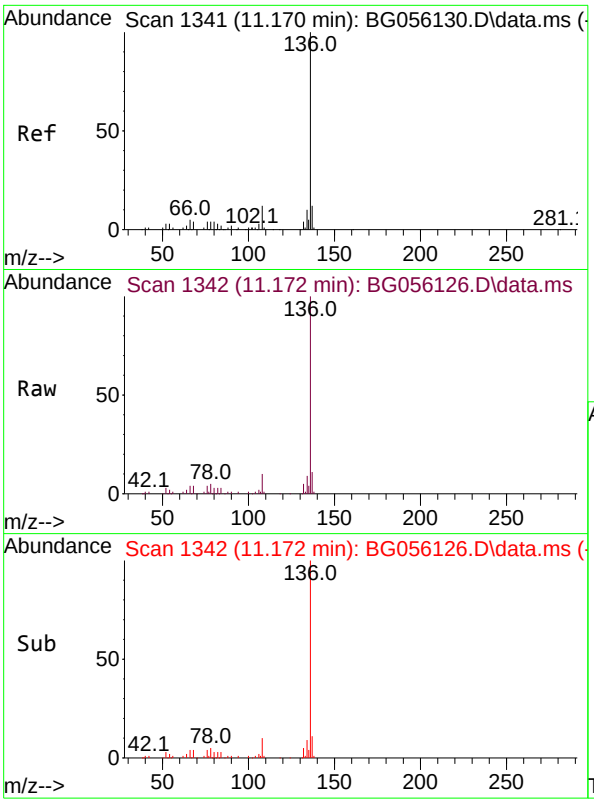
Tgt Ion: 70 Resp: 6022

Ion	Ratio	Lower	Upper
70	100		
42	17.9	18.2	27.2#
101	10.1	8.3	12.5
130	32.4	18.2	27.4#







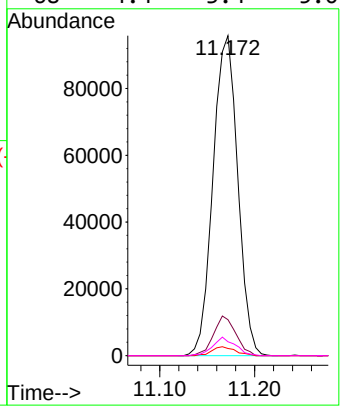


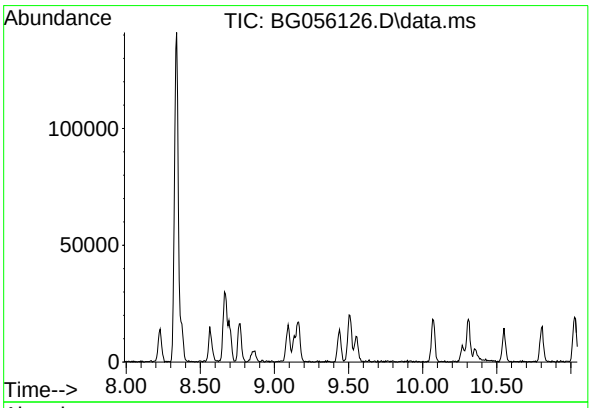
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.172 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG056126.D
Acq: 27 Dec 2022 14:55

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 173546

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	2.2	2.2	3.2
68	4.4	3.4	5.0



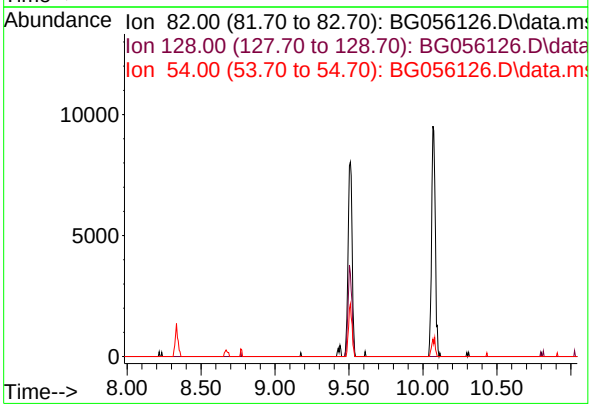


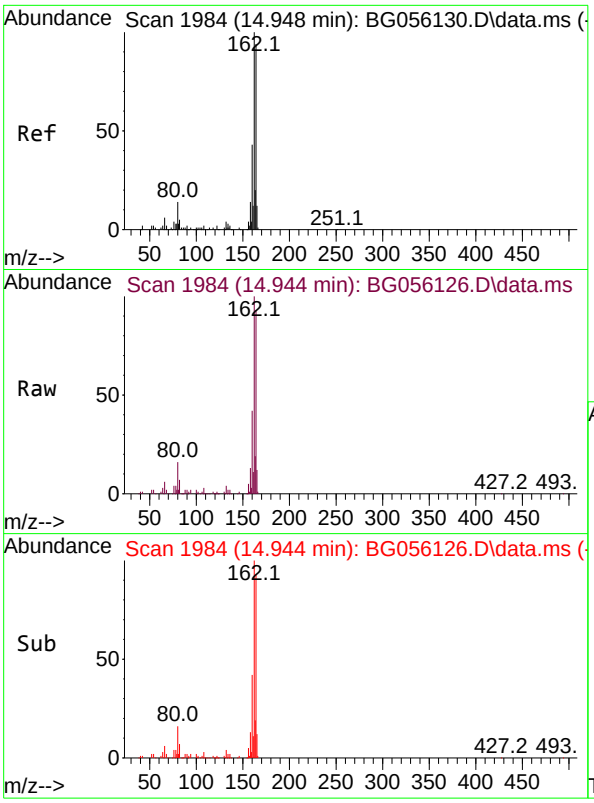
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.51 min

Lab File: BG056126.D
Acq: 27 Dec 2022 14:55

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.8
54	25.4



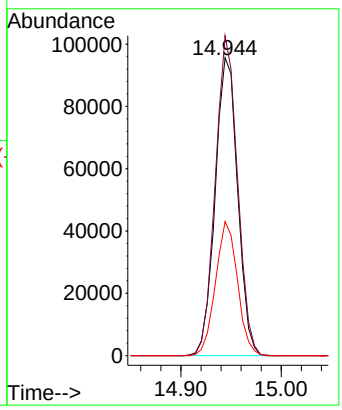


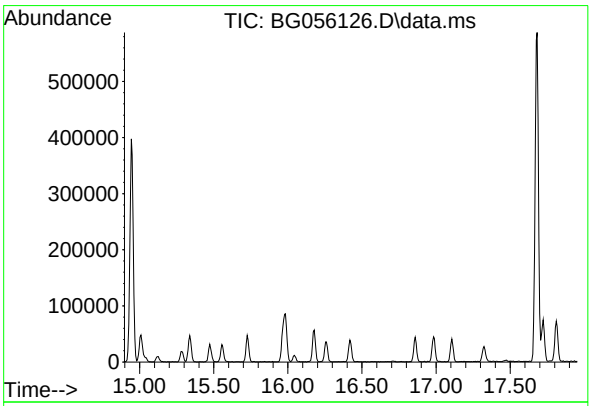
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.944 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG056126.D
Acq: 27 Dec 2022 14:55

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 149131

Ion	Ratio	Lower	Upper
164	100		
162	107.4	84.7	127.1
160	45.0	36.3	54.5



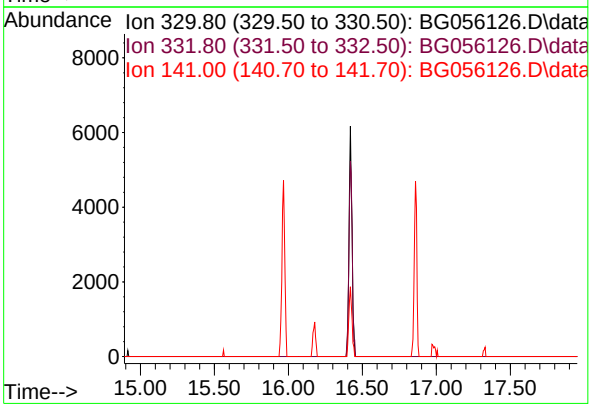


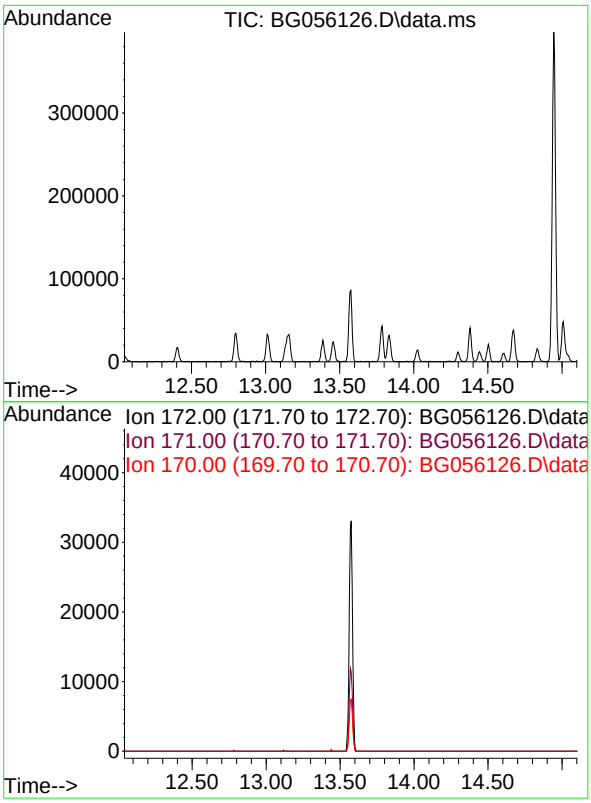
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.42 min

Lab File: BG056126.D
Acq: 27 Dec 2022 14:55

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.6
141	34.9





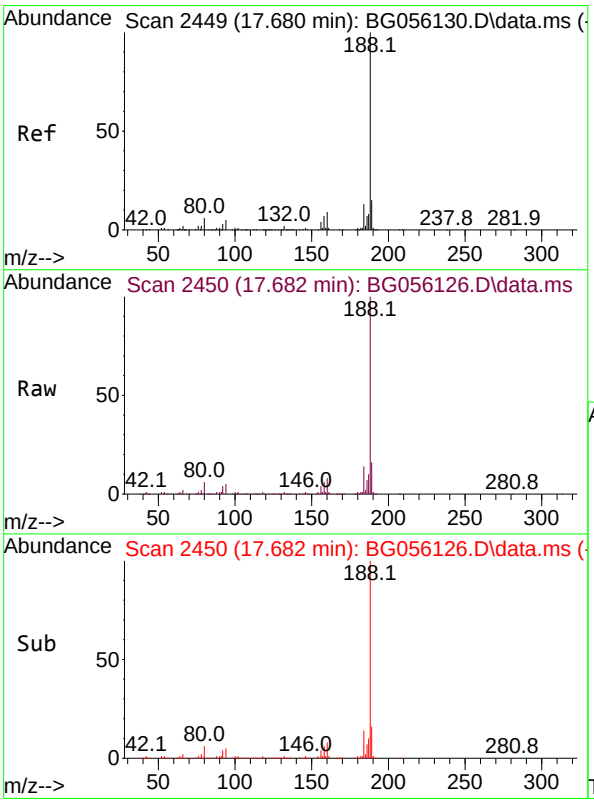
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.57 min

Lab File: BG056126.D
Acq: 27 Dec 2022 14:55

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

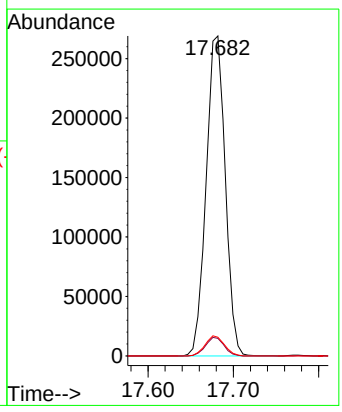
Sig	Exp Ratio
172	100
171	37.0
170	24.3

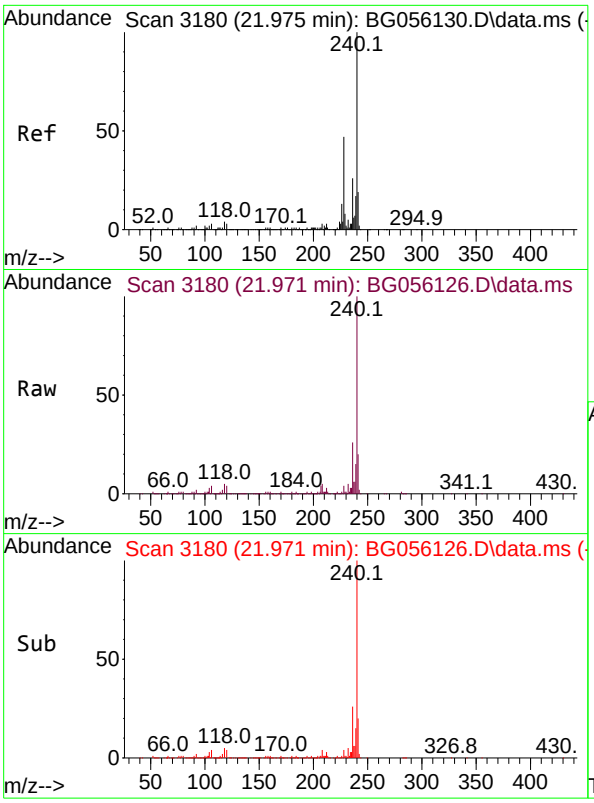


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.682 min Scan# 2450
Delta R.T. 0.002 min
Lab File: BG056126.D
Acq: 27 Dec 2022 14:55

Tgt Ion:188 Resp: 418758

Ion	Ratio	Lower	Upper
188	100		
94	5.5	4.2	6.2
80	5.8	5.0	7.4



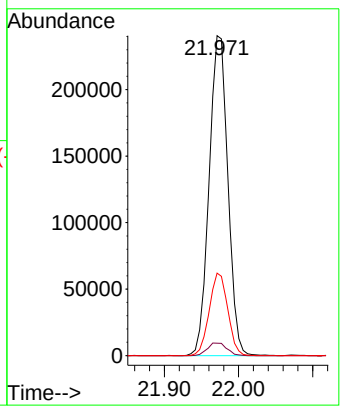


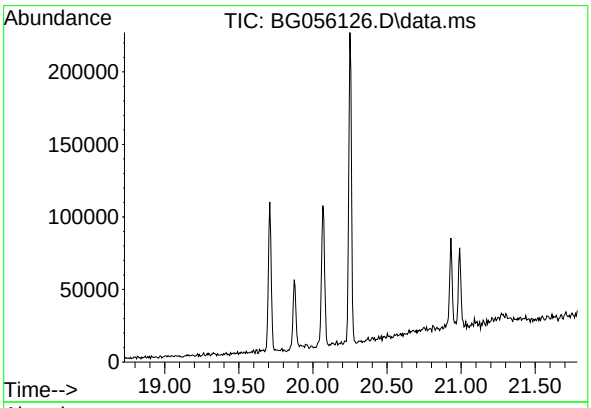
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.971 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG056126.D
Acq: 27 Dec 2022 14:55

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 422087

Ion	Ratio	Lower	Upper
240	100		
120	3.9	2.6	4.0
236	25.8	20.8	31.2



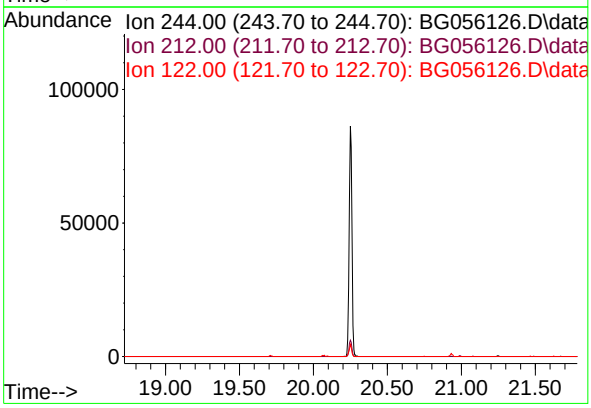


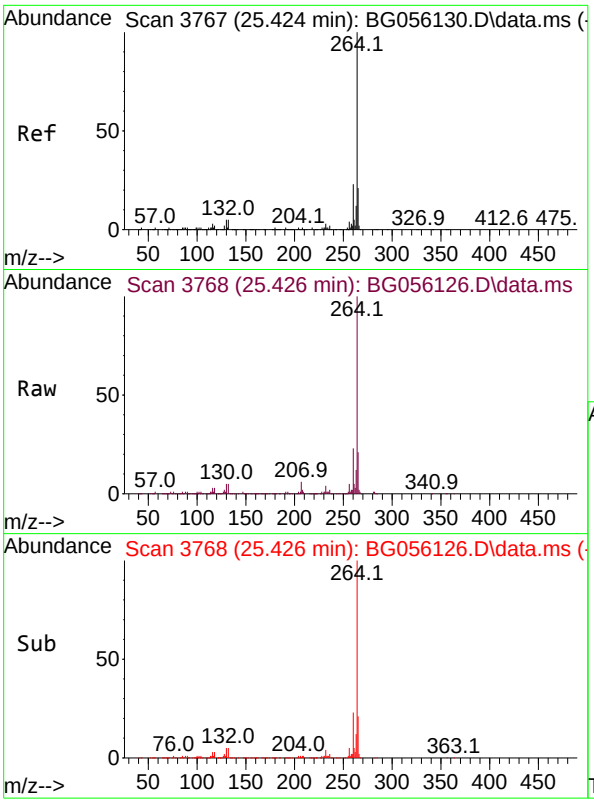
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 20.25 min

Lab File: BG056126.D
Acq: 27 Dec 2022 14:55

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.1
122	4.4



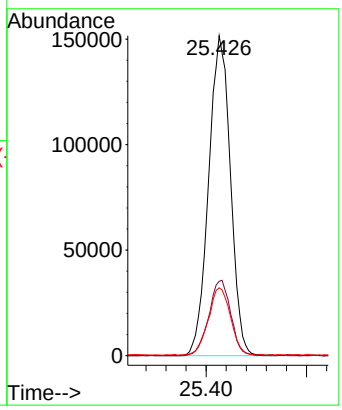


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.426 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG056126.D
Acq: 27 Dec 2022 14:55

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 457213

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.2	16.7	25.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056127.D
Acq On : 27 Dec 2022 15:36
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

Quant Time: Dec 28 04:52:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.340	152	43885	20.000	ng		0.00
21) Naphthalene-d8	11.166	136	166353	20.000	ng	#	0.00
39) Acenaphthene-d10	14.944	164	148054	20.000	ng		0.00
64) Phenanthrene-d10	17.676	188	400254	20.000	ng		0.00
76) Chrysene-d12	21.977	240	386697	20.000	ng		0.00
86) Perylene-d12	25.432	264	423911	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.855	112	25651	13.708	ng		0.00
7) Phenol-d6	7.465	99	38393	15.952	ng		0.00
23) Nitrobenzene-d5	9.509	82	33696	14.155	ng		0.00
42) 2,4,6-Tribromophenol	16.419	330	18409	5.157	ng		0.00
45) 2-Fluorobiphenyl	13.575	172	111446	10.557	ng		0.00
79) Terphenyl-d14	20.250	244	233668	10.680	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.675	88	5864	10.768	ng		94
3) Pyridine	4.104	79	16105m	8.986	ng		
4) n-Nitrosodimethylamine	3.998	42	3410	2.117	ng	#	80
6) Aniline	7.647	93	25063	8.698	ng	#	95
8) 2-Chlorophenol	7.894	128	12284	5.088	ng		90
9) Benzaldehyde	7.459	77	12816	8.479	ng	#	86
10) Phenol	7.494	94	19267	7.315	ng		94
11) bis(2-Chloroethyl)ether	7.741	93	13299	7.751	ng		87
12) 1,3-Dichlorobenzene	8.229	146	15590	4.992	ng		96
13) 1,4-Dichlorobenzene	8.375	146	15481	4.851	ng		94
14) 1,2-Dichlorobenzene	8.699	146	14904	4.886	ng		91
15) Benzyl Alcohol	8.569	79	13611	5.443	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.863	45	2648	1.186	ng		85
17) 2-Methylphenol	8.763	107	14076	6.792	ng		99
18) Hexachloroethane	9.439	117	4890	5.047	ng		87
19) n-Nitroso-di-n-propyla...	9.133	70	12240	7.095	ng	#	97
20) 3+4-Methylphenols	9.086	107	19349	6.542	ng		96
22) Acetophenone	9.163	105	23765	5.763	ng	#	93
24) Nitrobenzene	9.551	77	16968	7.082	ng		98
25) Isophorone	10.073	82	36097	7.231	ng		98
26) 2-Nitrophenol	10.267	139	8225	5.799	ng	#	88
27) 2,4-Dimethylphenol	10.309	122	14629	6.141	ng		96
28) bis(2-Chloroethoxy)met...	10.549	93	18736	8.493	ng		97
29) 2,4-Dichlorophenol	10.802	162	15830	4.682	ng		90
30) 1,2,4-Trichlorobenzene	11.025	180	19658	4.473	ng	#	80
31) Naphthalene	11.219	128	44689	5.091	ng		98
32) Benzoic acid	10.356	122	9389	5.109	ng		93
33) 4-Chloroaniline	11.319	127	21592	5.738	ng		96
34) Hexachlorobutadiene	11.495	225	14125	3.418	ng		89
35) Caprolactam	12.048	113	5819	6.177	ng		92
36) 4-Chloro-3-methylphenol	12.406	107	16799	5.299	ng		88
37) 2-Methylnaphthalene	12.800	142	38002	4.900	ng		97
38) 1-Methylnaphthalene	13.011	142	34315	4.542	ng		96
40) 1,2,4,5-Tetrachloroben...	13.152	216	28165	4.509	ng		97
41) Hexachlorocyclopentadiene	13.135	237	14209	4.010	ng		98
43) 2,4,6-Trichlorophenol	13.387	196	17396	4.705	ng		92

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056127.D
Acq On : 27 Dec 2022 15:36
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 28 04:52:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.458	196	21422	5.139	ng		98
46) 1,1'-Biphenyl	13.787	154	53840	5.365	ng		97
47) 2-Chloronaphthalene	13.834	162	42879	5.259	ng		98
48) 2-Nitroaniline	14.022	65	8493	6.226	ng		89
49) Acenaphthylene	14.674	152	69880	5.369	ng		98
50) Dimethylphthalate	14.380	163	61635	4.815	ng		96
51) 2,6-Dinitrotoluene	14.504	165	13056	6.591	ng		94
52) Acenaphthene	15.009	154	45016	5.152	ng		87
53) 3-Nitroaniline	14.833	138	12427	6.168	ng		86
54) 2,4-Dinitrophenol	15.038	184	7746	5.260	ng		92
55) Dibenzofuran	15.338	168	75416	5.133	ng		99
56) 4-Nitrophenol	15.121	139	9272	5.743	ng	#	81
57) 2,4-Dinitrotoluene	15.285	165	17276	5.778	ng	#	85
58) Fluorene	15.984	166	62138	5.173	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.555	232	19819	4.162	ng	#	97
60) Diethylphthalate	15.732	149	60456	4.832	ng		98
61) 4-Chlorophenyl-phenyle...	15.967	204	37424	4.574	ng		93
62) 4-Nitroaniline	15.984	138	12414	5.658	ng	#	80
63) Azobenzene	16.254	77	45417	5.964	ng		96
65) 4,6-Dinitro-2-methylph...	16.049	198	12452	6.512	ng		92
66) n-Nitrosodiphenylamine	16.172	169	55941	5.333	ng		97
67) 4-Bromophenyl-phenylether	16.860	248	25775	4.395	ng		93
68) Hexachlorobenzene	16.983	284	24520	3.394	ng		98
69) Atrazine	17.106	200	22878	4.817	ng		96
70) Pentachlorophenol	17.324	266	16090	3.896	ng		94
71) Phenanthrene	17.717	178	107017	5.102	ng		97
72) Anthracene	17.811	178	112676	5.430	ng		97
73) Carbazole	18.076	167	95566	5.584	ng		98
74) Di-n-butylphthalate	18.605	149	91401	4.592	ng	#	97
75) Fluoranthene	19.709	202	142324	4.846	ng		98
77) Benzidine	19.874	184	70659	10.405	ng		97
78) Pyrene	20.068	202	144698	6.184	ng		98
80) Butylbenzylphthalate	20.931	149	39215	5.914	ng		93
81) Benzo(a)anthracene	21.954	228	140036	5.146	ng		98
82) 3,3'-Dichlorobenzidine	21.854	252	49950	5.102	ng		93
83) Chrysene	22.024	228	130556	5.119	ng		98
84) Bis(2-ethylhexyl)phtha...	21.824	149	58785	5.967	ng		99
85) Di-n-octyl phthalate	23.111	149	96098	5.751	ng		99
87) Indeno(1,2,3-cd)pyrene	29.386	276	157054	4.607	ng	#	96
88) Benzo(b)fluoranthene	24.322	252	138844	5.061	ng		100
89) Benzo(k)fluoranthene	24.386	252	137773	5.033	ng		94
90) Benzo(a)pyrene	25.262	252	135341	5.836	ng	#	97
91) Dibenzo(a,h)anthracene	29.463	278	134554	4.716	ng	#	95
92) Benzo(g,h,i)perylene	30.638	276	128711	4.666	ng	#	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

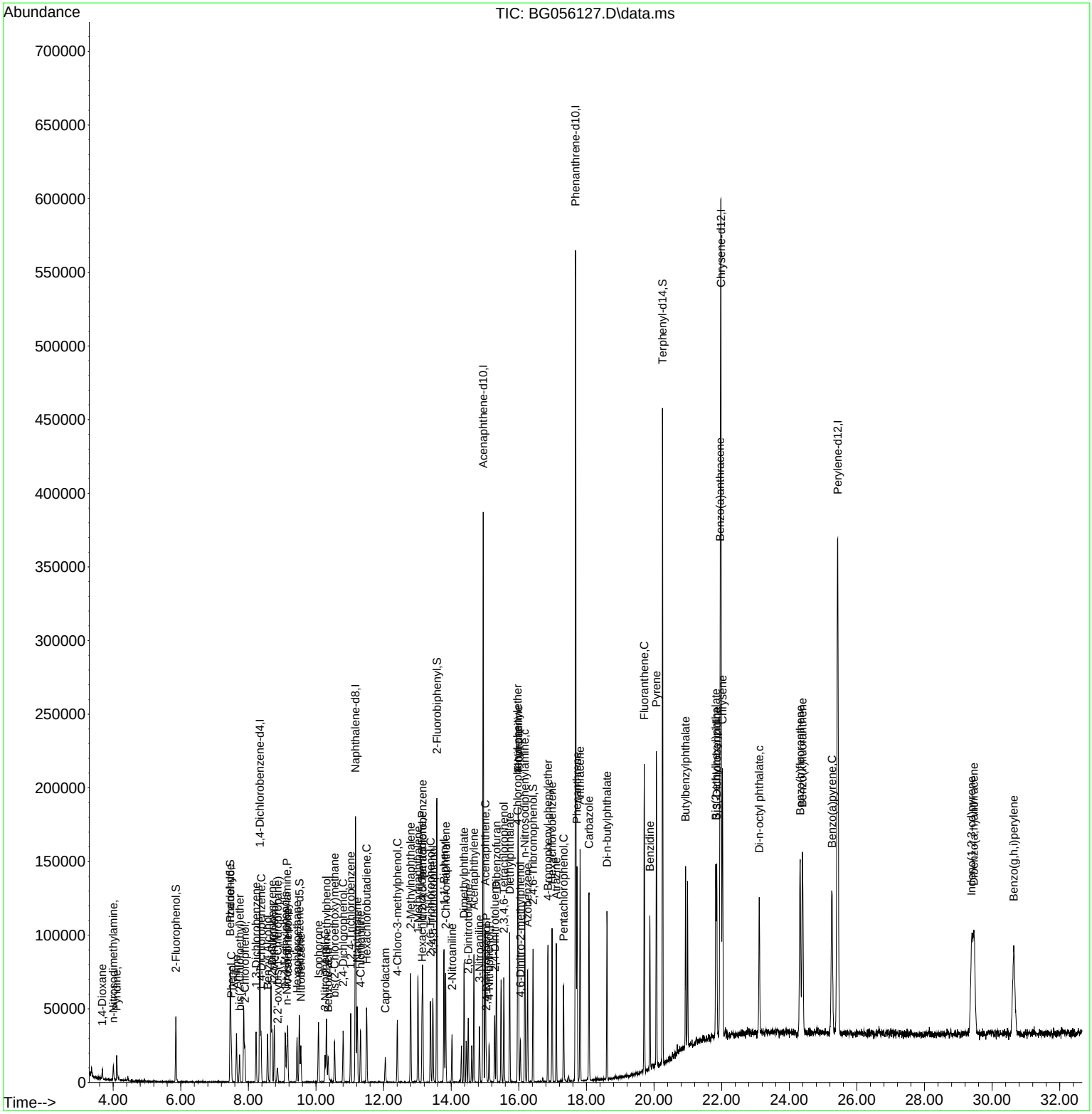
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056127.D
Acq On : 27 Dec 2022 15:36
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

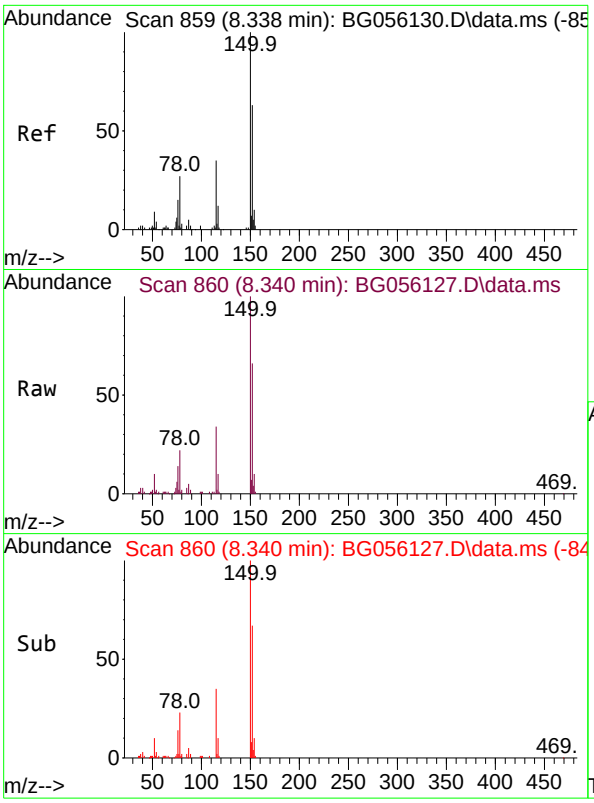
Quant Time: Dec 28 04:52:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

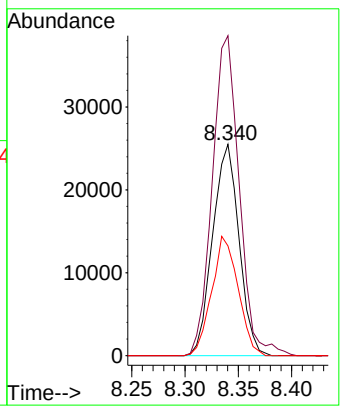




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.340 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:152 Resp: 4388

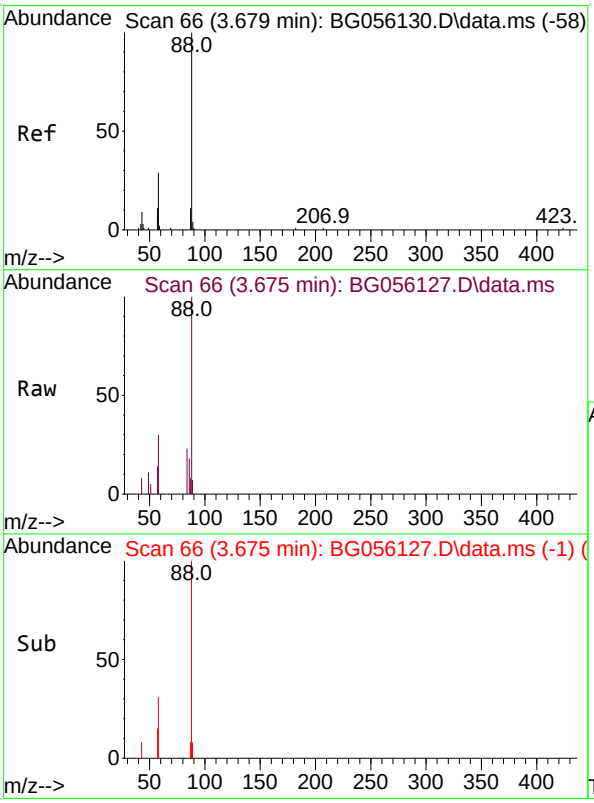
Ion	Ratio	Lower	Upper
152	100		
150	151.4	127.9	191.9
115	51.9	44.2	66.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

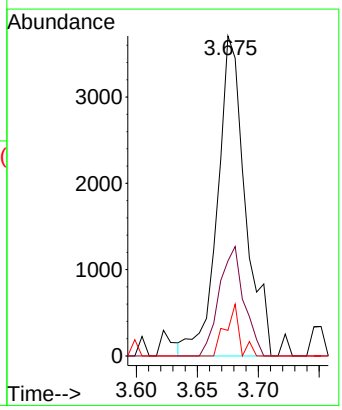
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

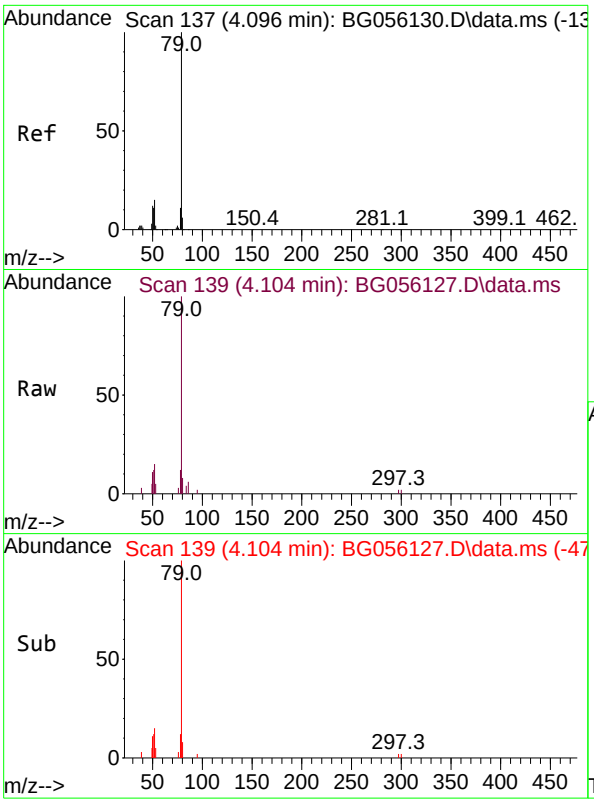


#2
1,4-Dioxane
Concen: 10.768 ng
RT: 3.675 min Scan# 66
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 88 Resp: 5864

Ion	Ratio	Lower	Upper
88	100		
58	30.5	21.4	32.0
43	8.3	7.1	10.7

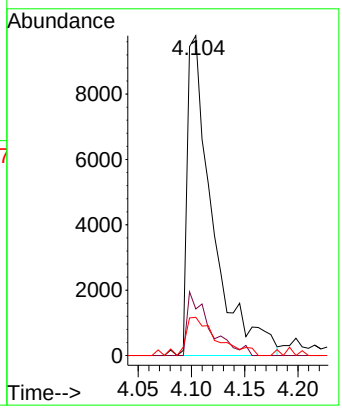




#3
Pyridine
Concen: 8.986 ng m
RT: 4.104 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 79 Resp: 1610

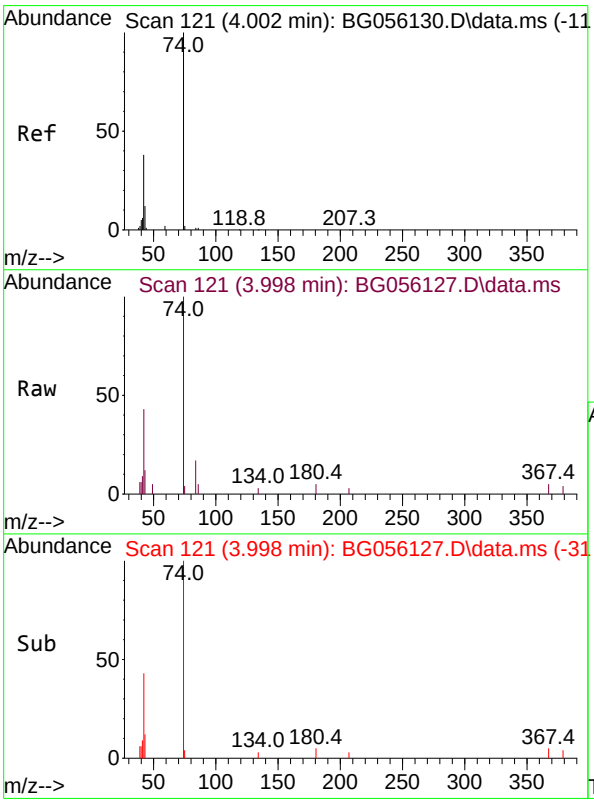
Ion	Ratio	Lower	Upper
79	100		
52	14.6	11.8	17.6
51	12.0	8.8	13.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

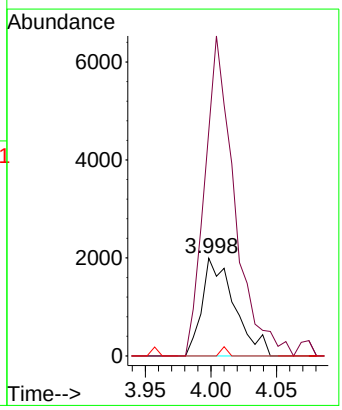
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

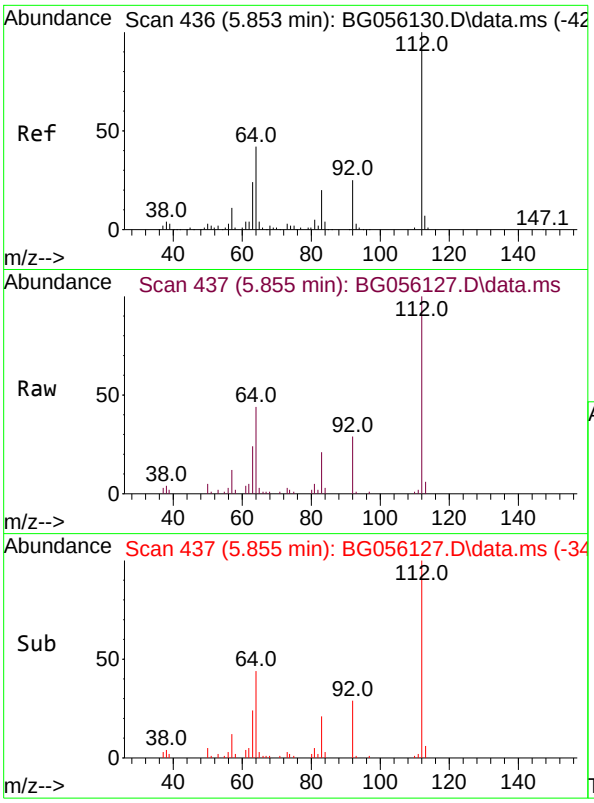


#4
n-Nitrosodimethylamine
Concen: 2.117 ng
RT: 3.998 min Scan# 121
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 42 Resp: 3410

Ion	Ratio	Lower	Upper
42	100		
74	230.0	212.6	319.0
44	0.0	2.6	3.8#





#5
2-Fluorophenol
Concen: 13.708 ng
RT: 5.855 min Scan# 4
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

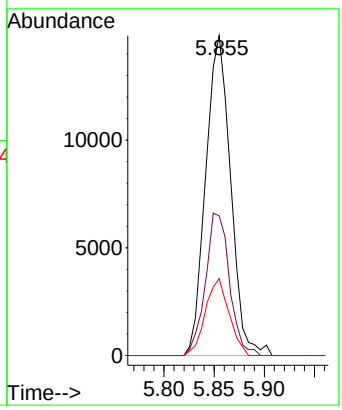
Tgt Ion:112 Resp: 2565

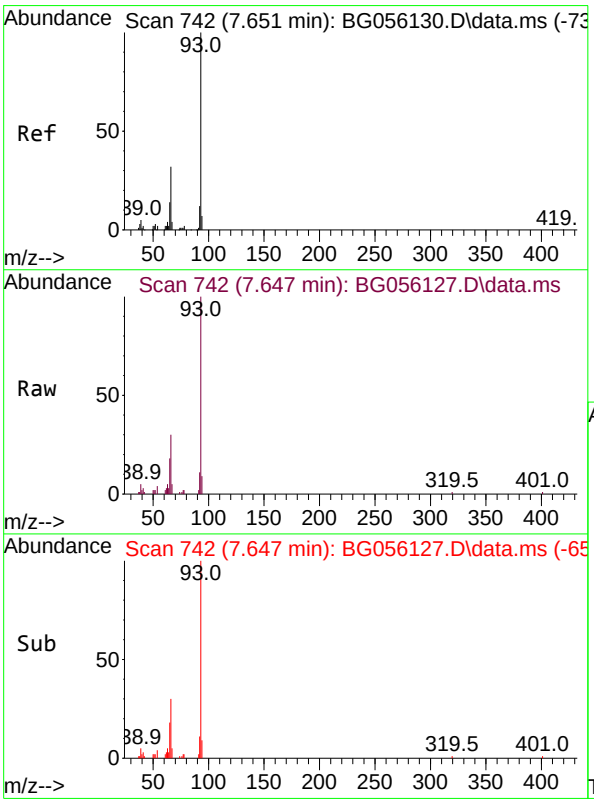
Ion	Ratio	Lower	Upper
112	100		
64	43.7	33.3	49.9
63	24.1	19.0	28.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

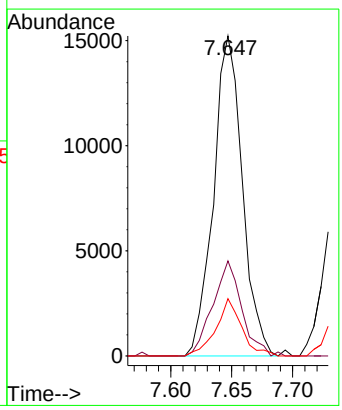


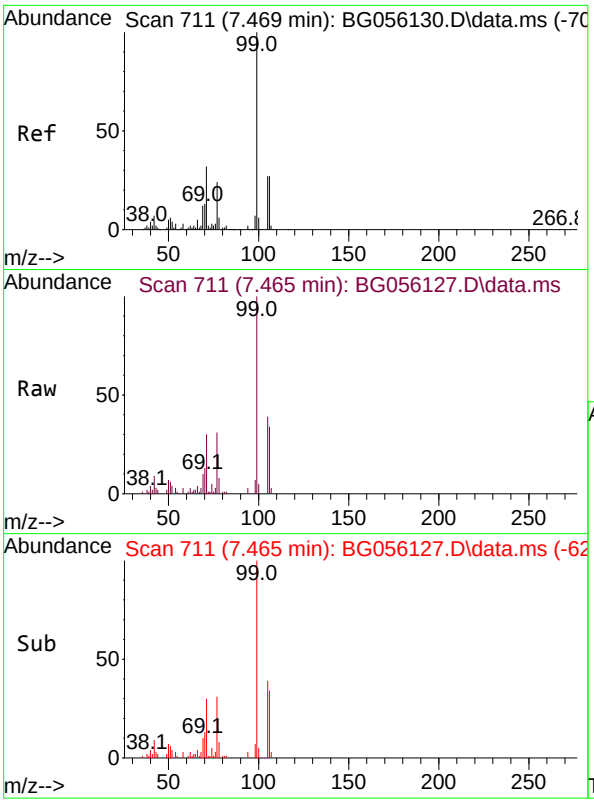


#6
Aniline
Concen: 8.698 ng
RT: 7.647 min Scan# 742
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 93 Resp: 25063

Ion	Ratio	Lower	Upper
93	100		
66	29.7	25.4	38.2
65	17.9	11.4	17.2#

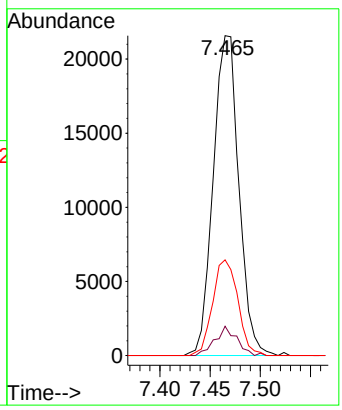




#7
Phenol-d6
Concen: 15.952 ng
RT: 7.465 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 99 Resp: 3839

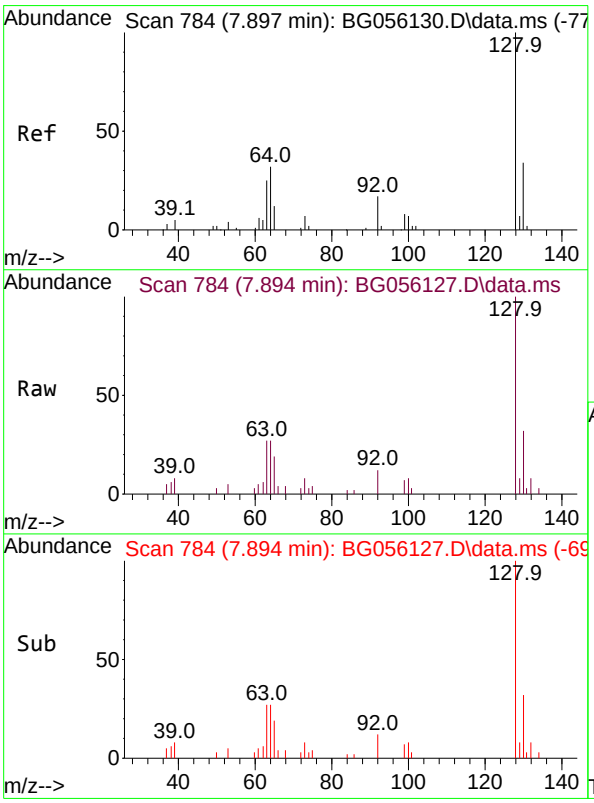
Ion	Ratio	Lower	Upper
99	100		
42	9.2	5.9	8.9#
71	29.9	25.4	38.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

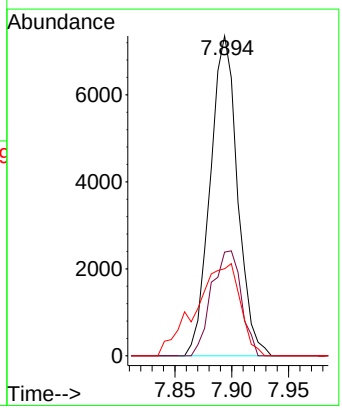
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

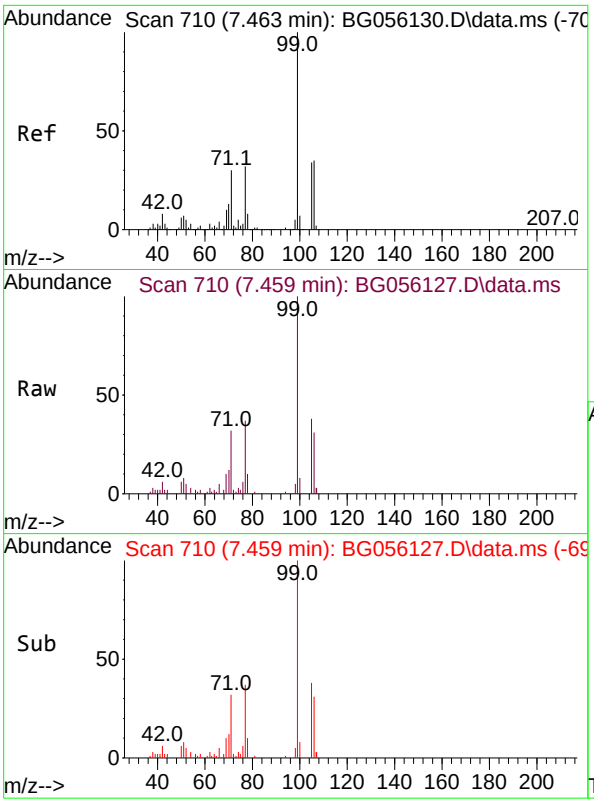


#8
2-Chlorophenol
Concen: 5.088 ng
RT: 7.894 min Scan# 784
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:128 Resp: 12284

Ion	Ratio	Lower	Upper
128	100		
130	32.4	13.5	53.5
64	27.2	18.0	58.0

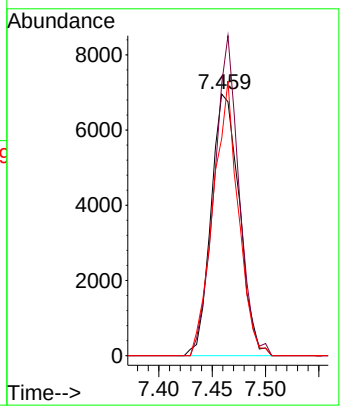




#9
Benzaldehyde
Concen: 8.479 ng
RT: 7.459 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 77 Resp: 1281

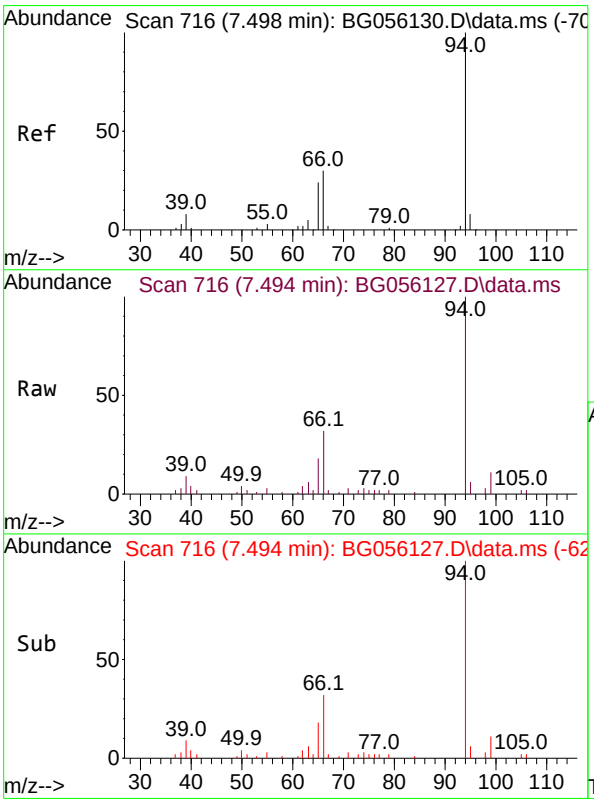
Ion	Ratio	Lower	Upper
77	100		
105	103.9	86.8	126.8
106	83.0	89.3	129.3#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

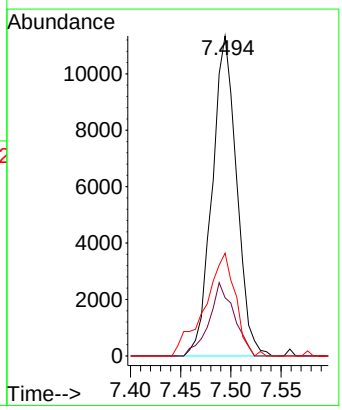
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

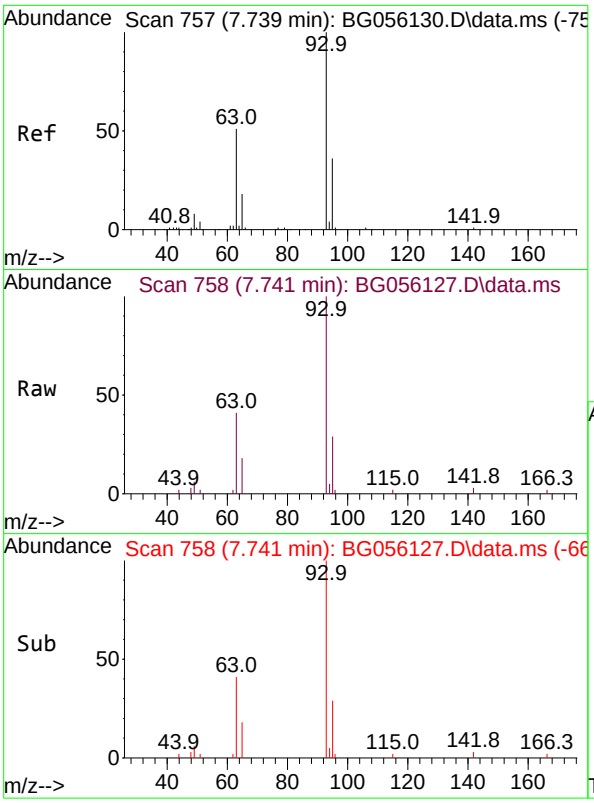


#10
Phenol
Concen: 7.315 ng
RT: 7.494 min Scan# 716
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 94 Resp: 19267

Ion	Ratio	Lower	Upper
94	100		
65	18.2	4.3	44.3
66	32.1	13.2	53.2

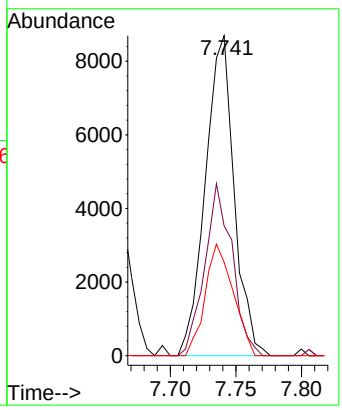




#11
bis(2-Chloroethyl)ether
Concen: 7.751 ng
RT: 7.741 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 93 Resp: 1329

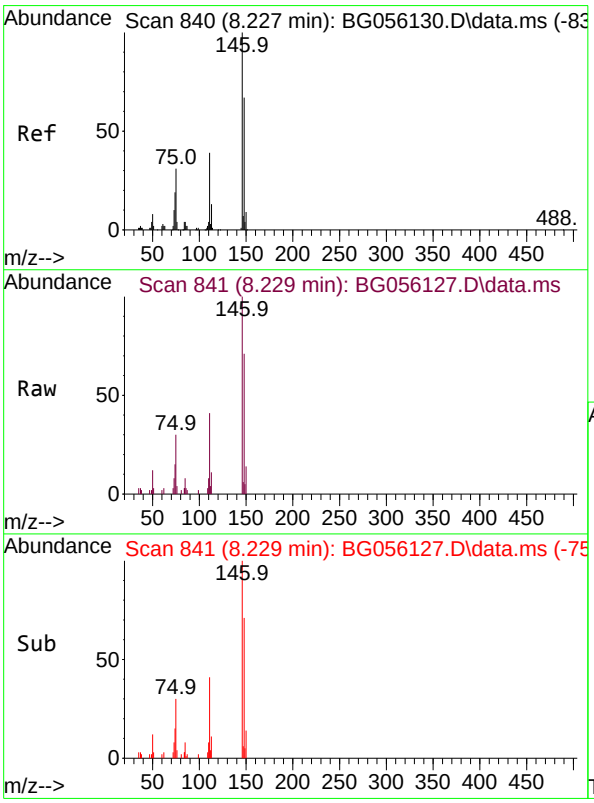
Ion	Ratio	Lower	Upper
93	100		
63	40.5	30.5	70.5
95	29.2	15.9	55.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

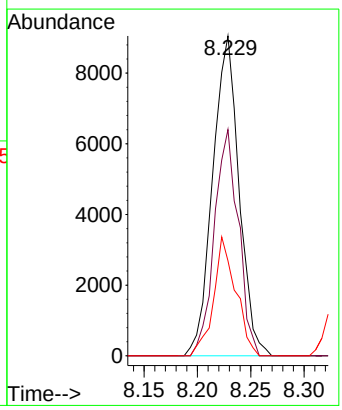
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

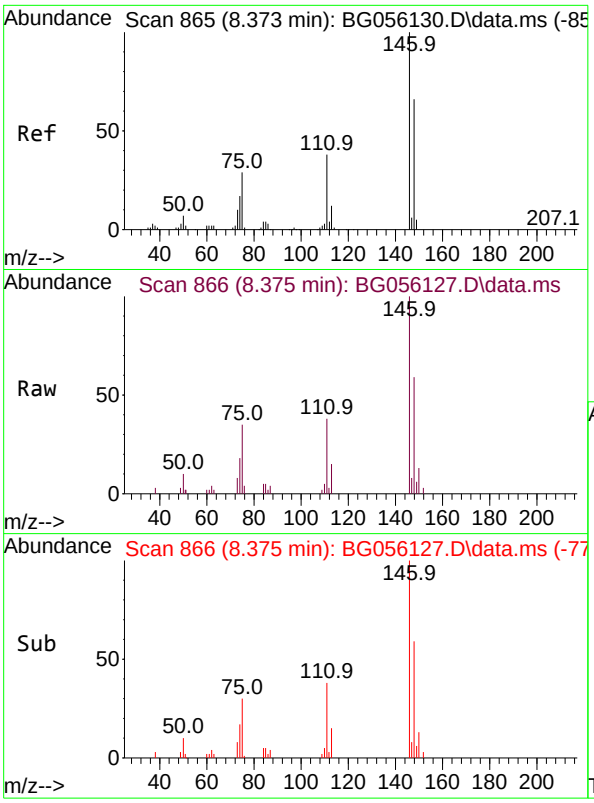


#12
1,3-Dichlorobenzene
Concen: 4.992 ng
RT: 8.229 min Scan# 841
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:146 Resp: 15590

Ion	Ratio	Lower	Upper
146	100		
148	70.7	53.5	80.3
75	29.7	24.8	37.2





#13
1,4-Dichlorobenzene
Concen: 4.851 ng
RT: 8.375 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

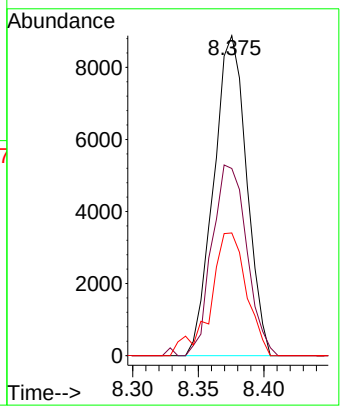
Tgt Ion:146 Resp: 1548

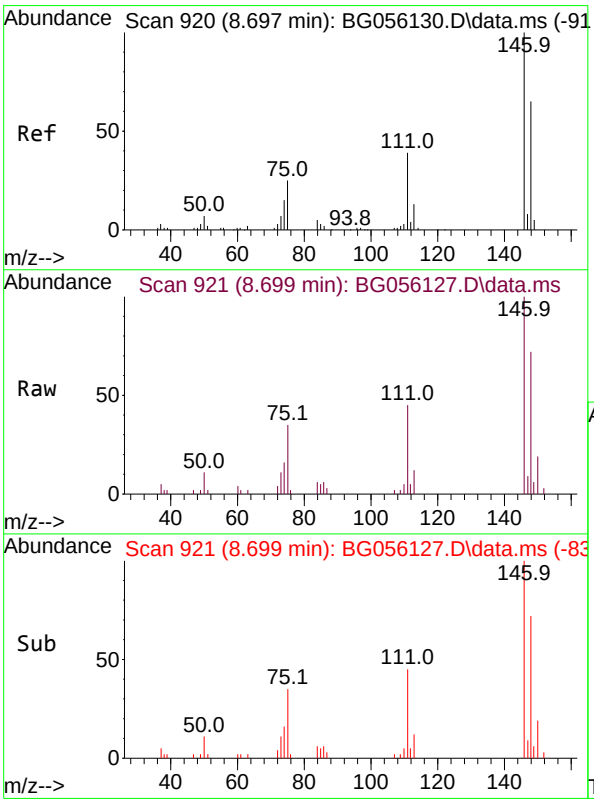
Ion	Ratio	Lower	Upper
146	100		
148	58.5	52.8	79.2
111	38.3	30.5	45.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

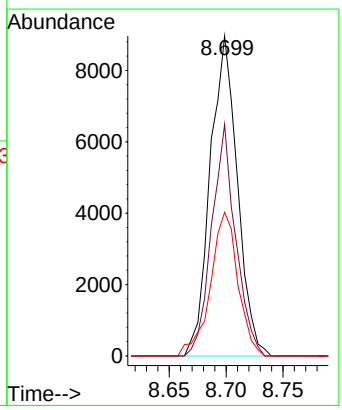


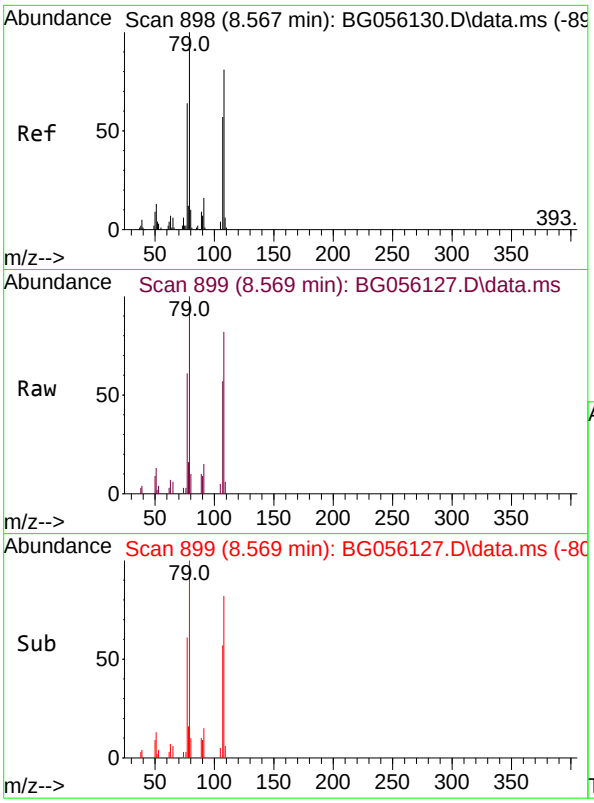


#14
1,2-Dichlorobenzene
Concen: 4.886 ng
RT: 8.699 min Scan# 921
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:146 Resp: 14904

Ion	Ratio	Lower	Upper
146	100		
148	72.3	51.7	77.5
111	44.9	31.5	47.3

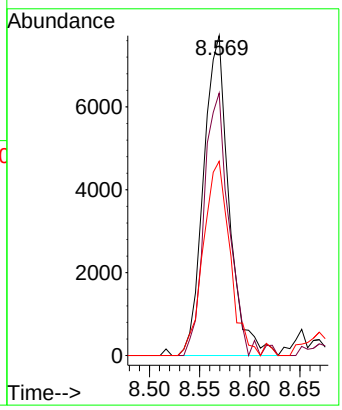




#15
Benzyl Alcohol
Concen: 5.443 ng
RT: 8.569 min Scan# 89
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 79 Resp: 1361

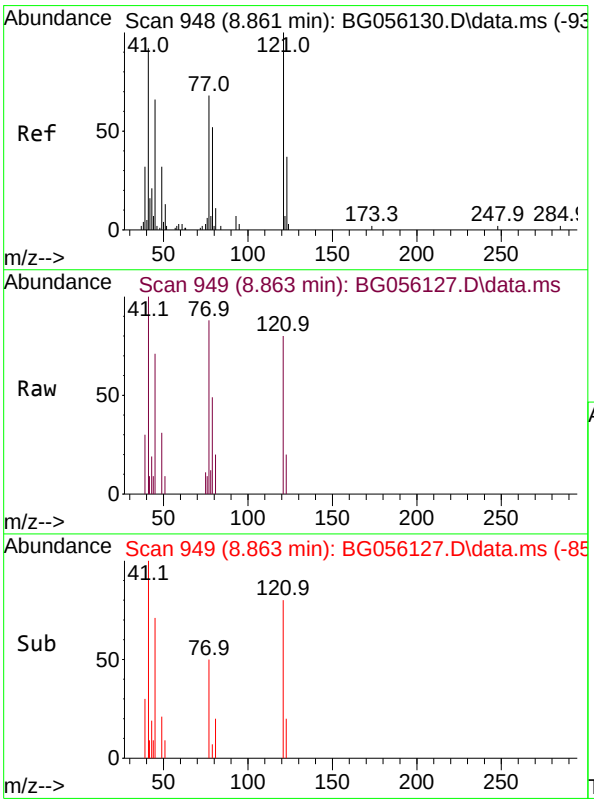
Ion	Ratio	Lower	Upper
79	100		
108	82.0	64.7	97.1
77	60.7	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

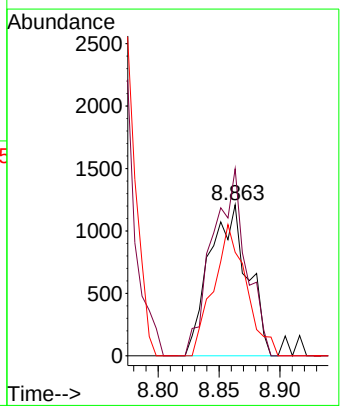
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

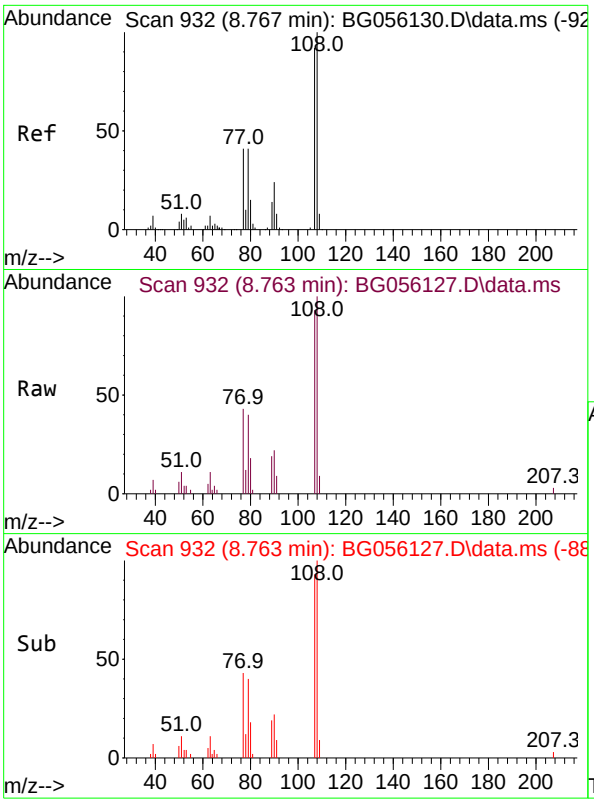


#16
2,2'-oxybis(1-Chloropropane)
Concen: 1.186 ng
RT: 8.863 min Scan# 949
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 45 Resp: 2648

Ion	Ratio	Lower	Upper
45	100		
77	123.8	88.2	128.2
79	68.6	61.2	101.2

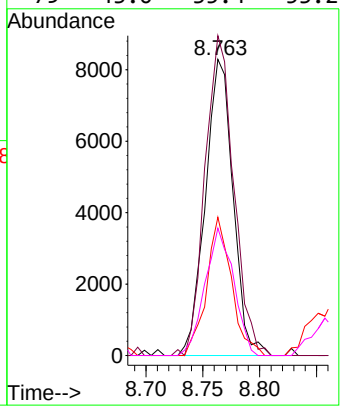




#17
2-Methylphenol
Concen: 6.792 ng
RT: 8.763 min Scan# 9
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:107 Resp: 1407

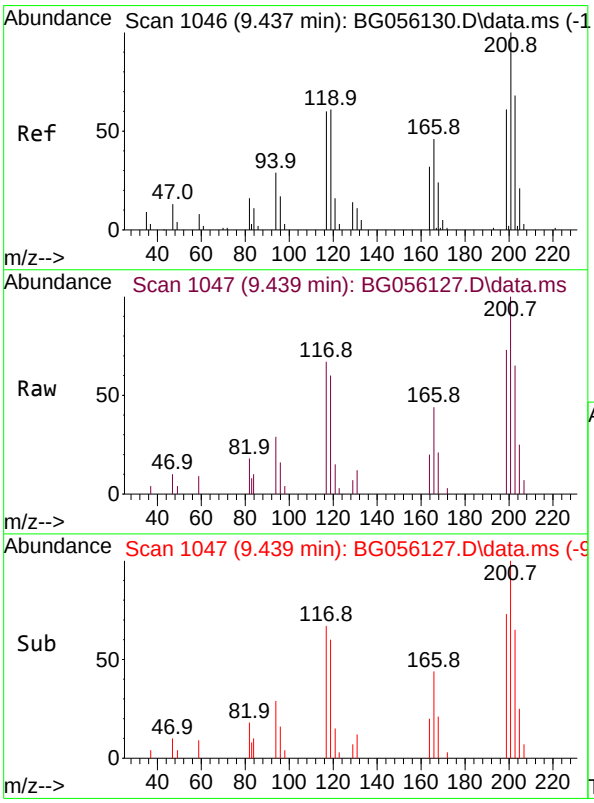
Ion	Ratio	Lower	Upper
107	100		
108	108.0	86.6	129.8
77	46.7	35.4	53.2
79	43.0	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

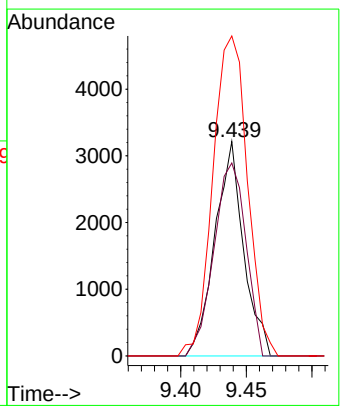
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

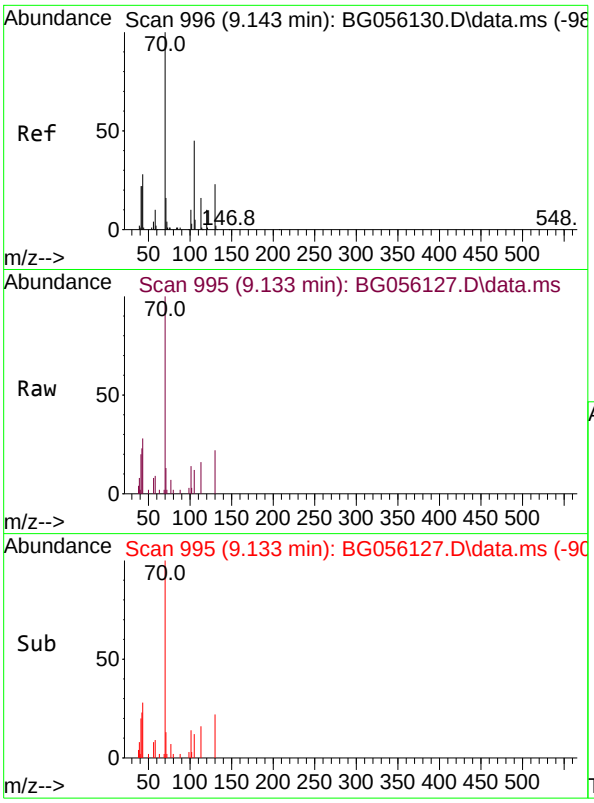


#18
Hexachloroethane
Concen: 5.047 ng
RT: 9.439 min Scan# 1047
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:117 Resp: 4890

Ion	Ratio	Lower	Upper
117	100		
119	90.0	81.8	122.6
201	149.4	134.2	201.2

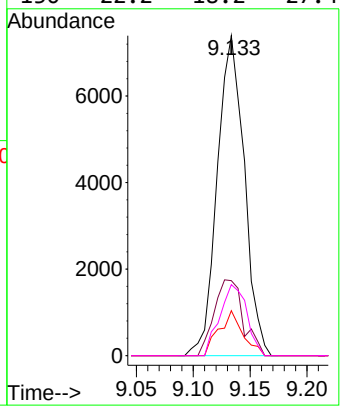




#19
n-Nitroso-di-n-propylamine
Concen: 7.095 ng
RT: 9.133 min Scan# 99
Delta R.T. -0.010 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 70 Resp: 1224

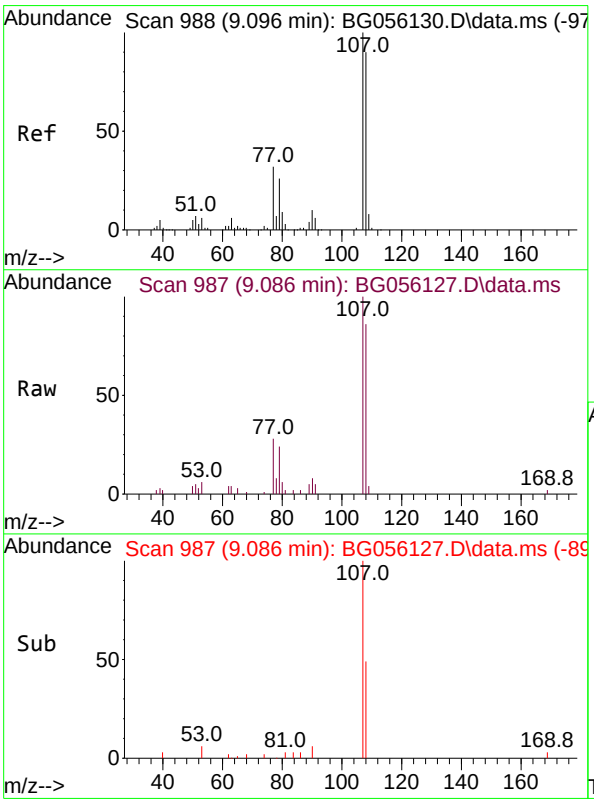
Ion	Ratio	Lower	Upper
70	100		
42	23.4	18.2	27.2
101	14.0	8.3	12.5#
130	22.2	18.2	27.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

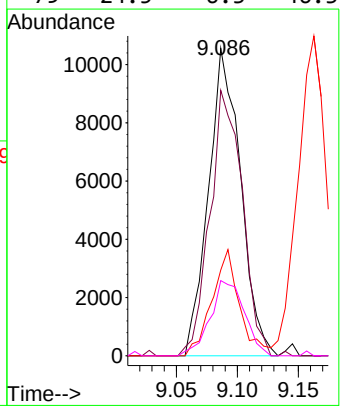
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

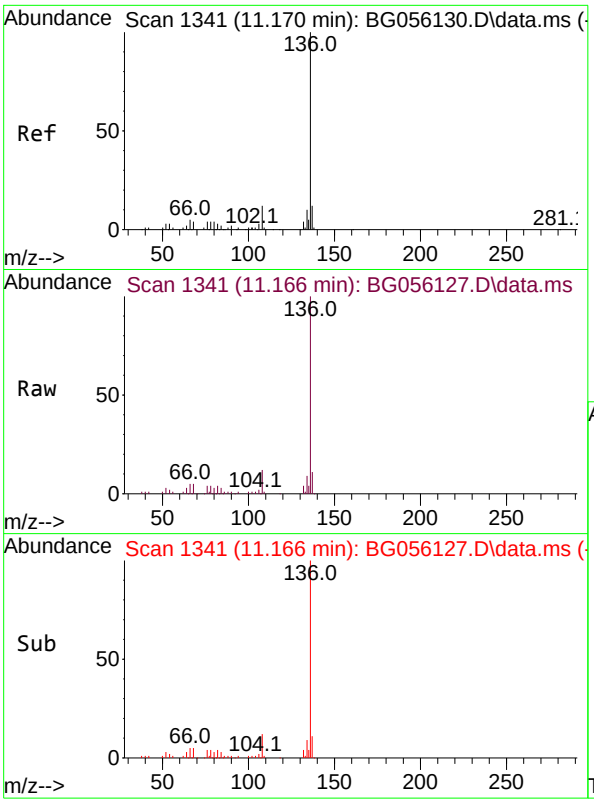


#20
3+4-Methylphenols
Concen: 6.542 ng
RT: 9.086 min Scan# 987
Delta R.T. -0.010 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:107 Resp: 19349

Ion	Ratio	Lower	Upper
107	100		
108	86.3	69.6	109.6
77	27.9	11.7	51.7
79	24.5	6.3	46.3

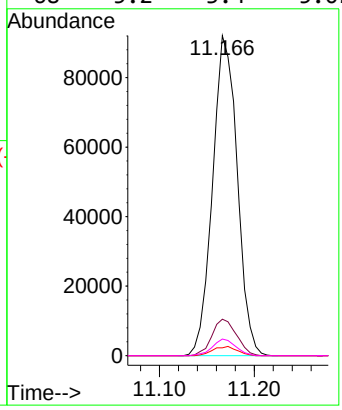




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.166 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:136 Resp: 16635

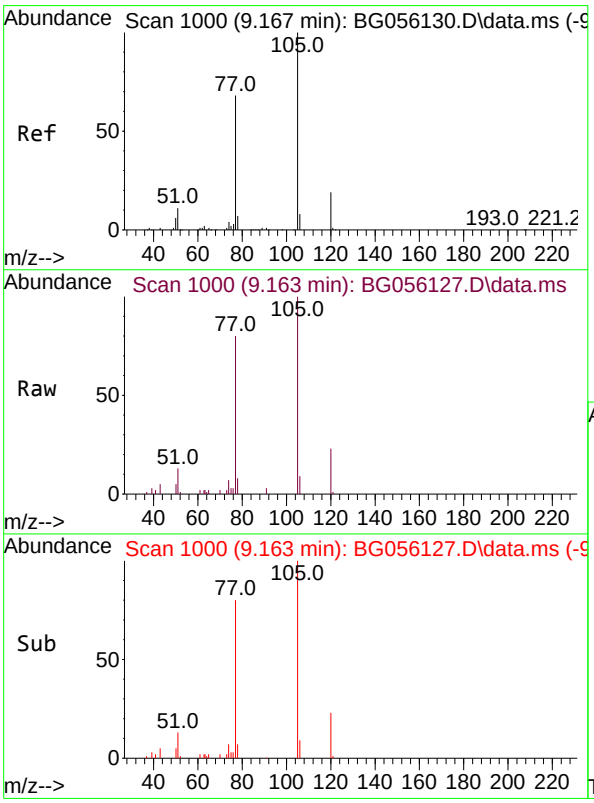
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	2.4	2.2	3.2
68	5.2	3.4	5.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

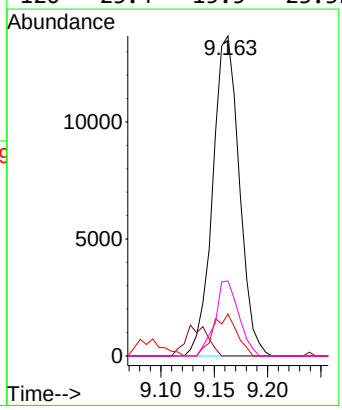
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

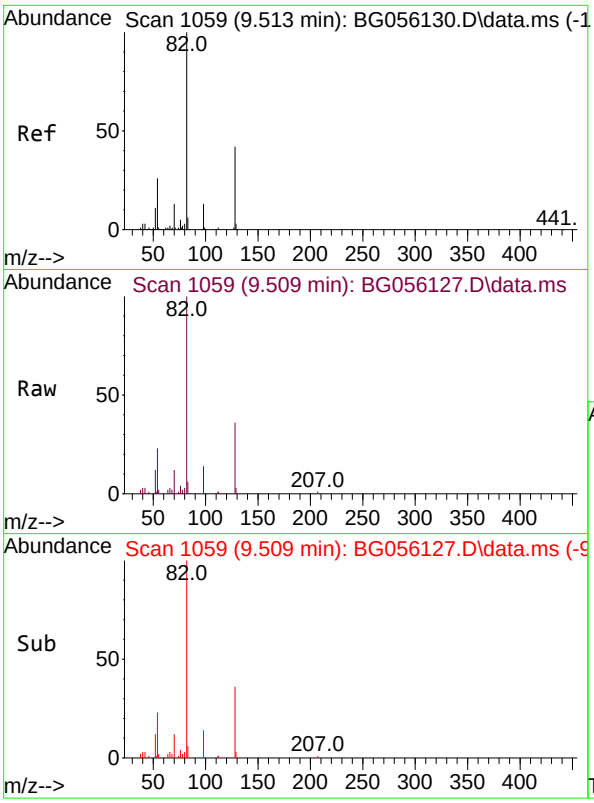


#22
Acetophenone
Concen: 5.763 ng
RT: 9.163 min Scan# 1000
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:105 Resp: 23765

Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.5	0.7#
51	13.0	9.3	13.9
120	23.4	15.5	23.3#

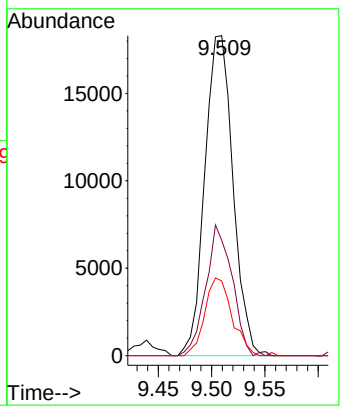




#23
Nitrobenzene-d5
Concen: 14.155 ng
RT: 9.509 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 82 Resp: 3369

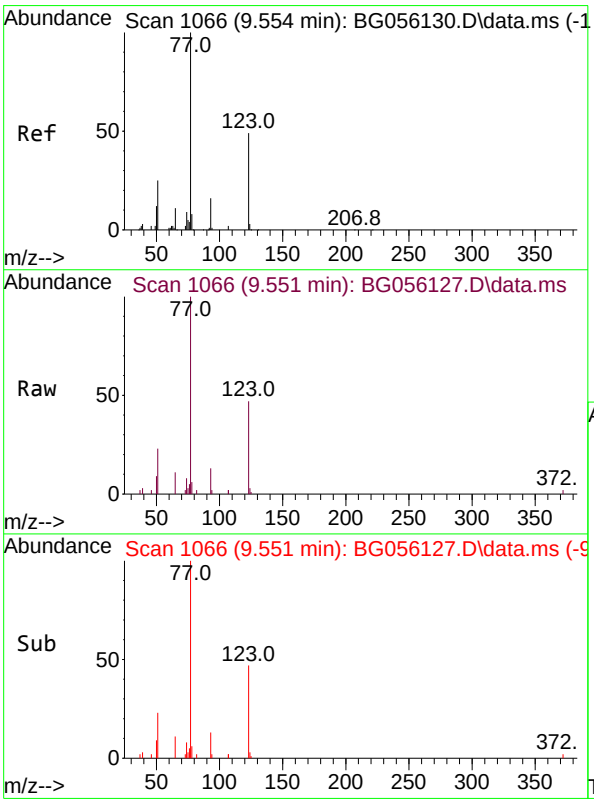
Ion	Ratio	Lower	Upper
82	100		
128	36.0	33.4	50.2
54	23.3	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

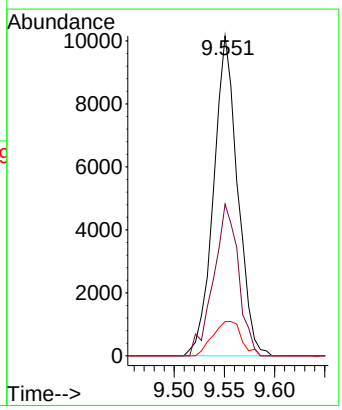
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

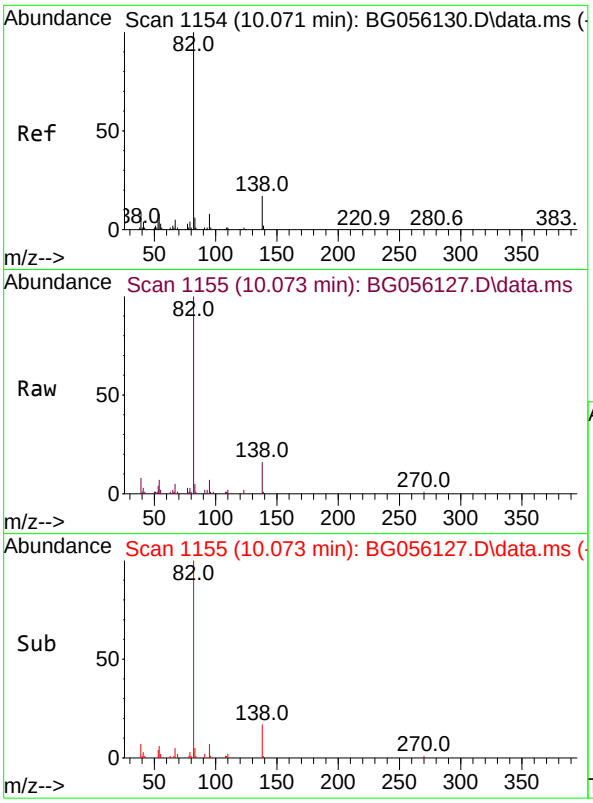


#24
Nitrobenzene
Concen: 7.082 ng
RT: 9.551 min Scan# 1066
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 77 Resp: 16968

Ion	Ratio	Lower	Upper
77	100		
123	47.4	38.8	58.2
65	10.7	9.1	13.7





#25
Isophorone
Concen: 7.231 ng
RT: 10.073 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

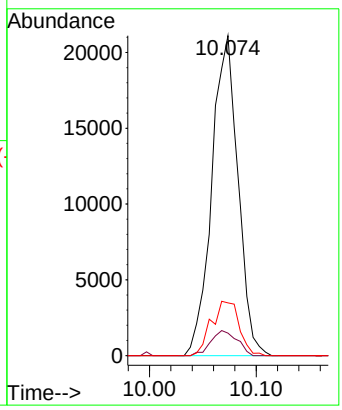
Tgt Ion: 82 Resp: 3609

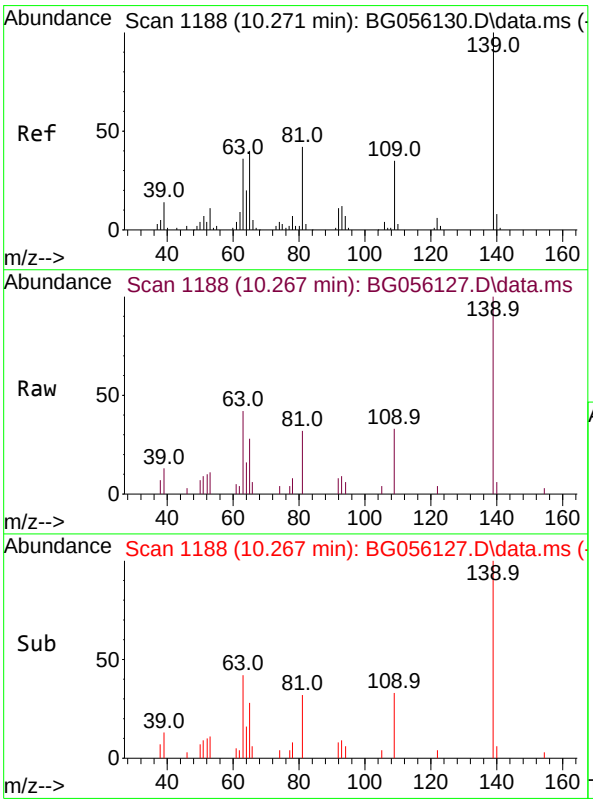
Ion	Ratio	Lower	Upper
82	100		
95	7.0	6.7	10.1
138	16.5	13.7	20.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

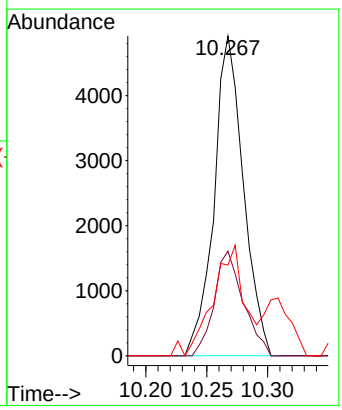


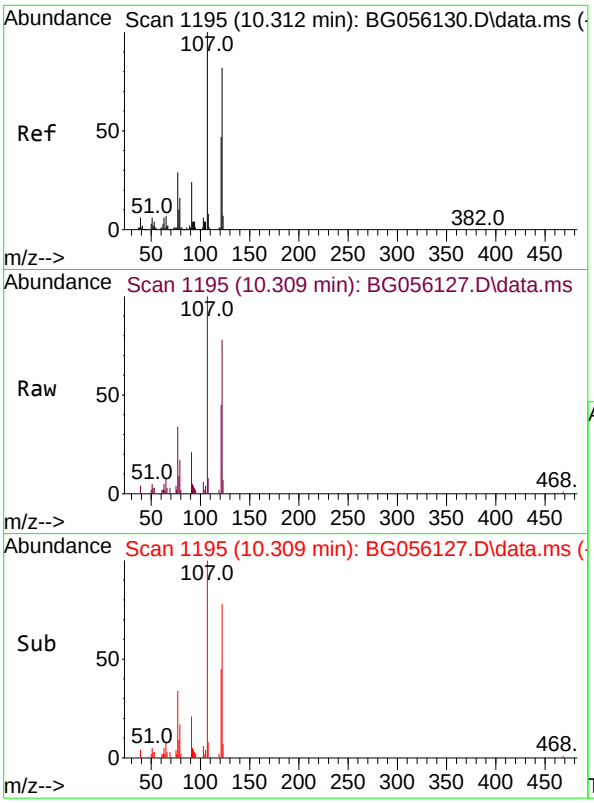


#26
2-Nitrophenol
Concen: 5.799 ng
RT: 10.267 min Scan# 1188
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:139 Resp: 8225

Ion	Ratio	Lower	Upper
139	100		
109	32.7	28.4	42.6
65	28.4	32.1	48.1#

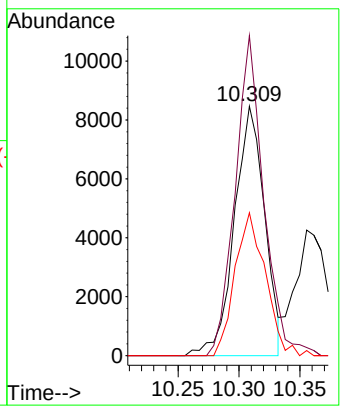




#27
2,4-Dimethylphenol
Concen: 6.141 ng
RT: 10.309 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:122 Resp: 1462

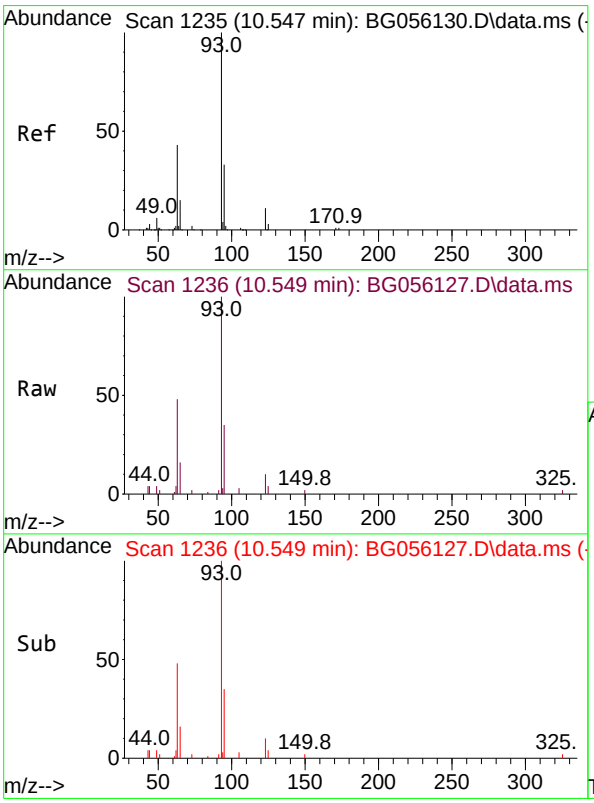
Ion	Ratio	Lower	Upper
122	100		
107	128.3	97.5	146.3
121	57.3	45.9	68.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

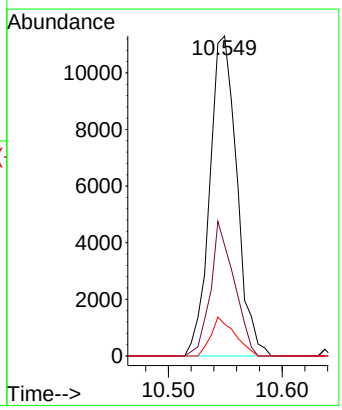
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

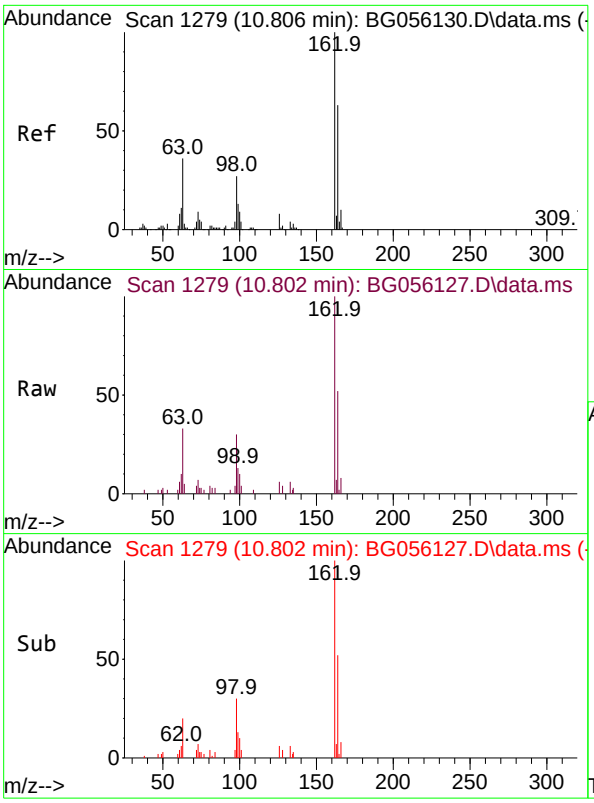


#28
bis(2-Chloroethoxy)methane
Concen: 8.493 ng
RT: 10.549 min Scan# 1236
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 93 Resp: 18736

Ion	Ratio	Lower	Upper
93	100		
95	34.6	26.2	39.2
123	9.9	9.0	13.6

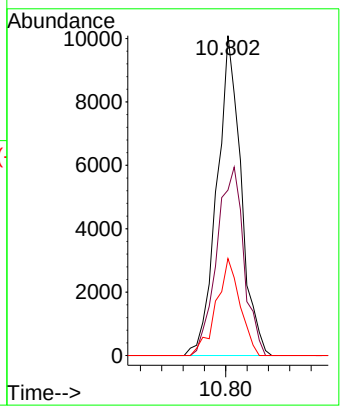




#29
2,4-Dichlorophenol
Concen: 4.682 ng
RT: 10.802 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:162 Resp: 1583

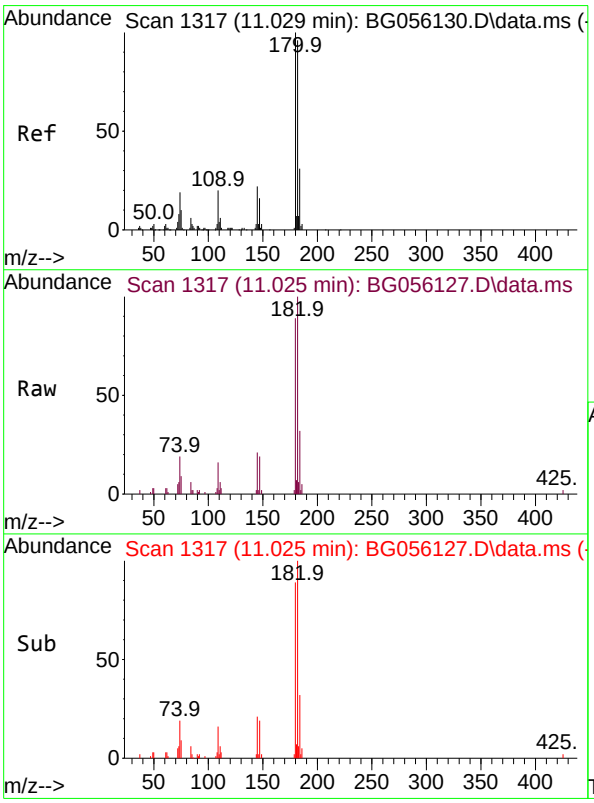
Ion	Ratio	Lower	Upper
162	100		
164	54.0	43.3	83.3
98	30.3	6.8	46.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

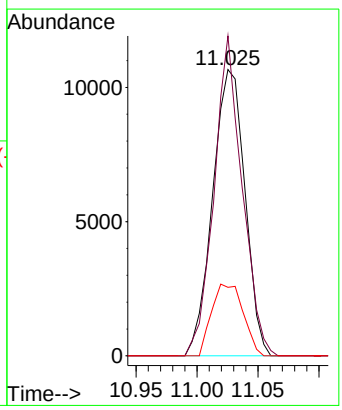
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

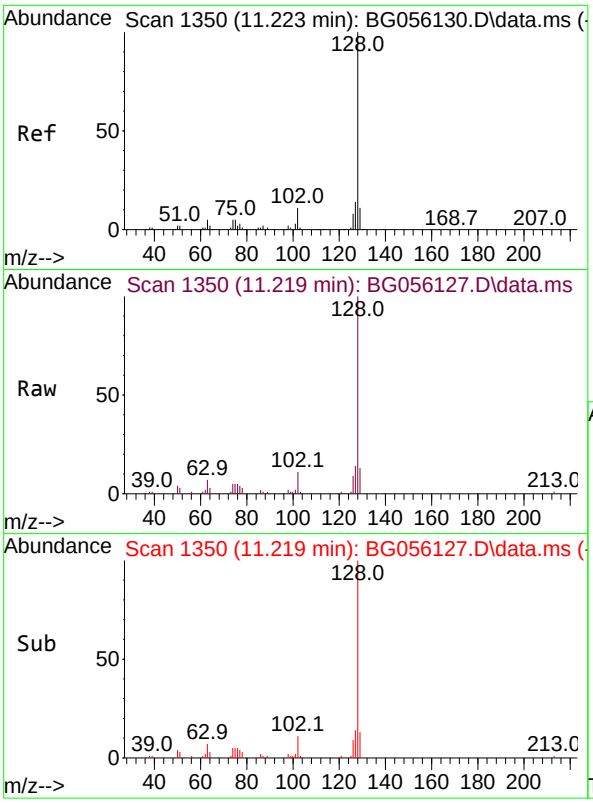


#30
1,2,4-Trichlorobenzene
Concen: 4.473 ng
RT: 11.025 min Scan# 1317
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:180 Resp: 19658

Ion	Ratio	Lower	Upper
180	100		
182	118.8	77.0	115.4#
145	24.0	17.4	26.2

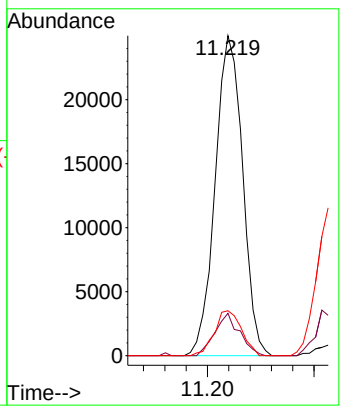




#31
Naphthalene
Concen: 5.091 ng
RT: 11.219 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:128 Resp: 4468

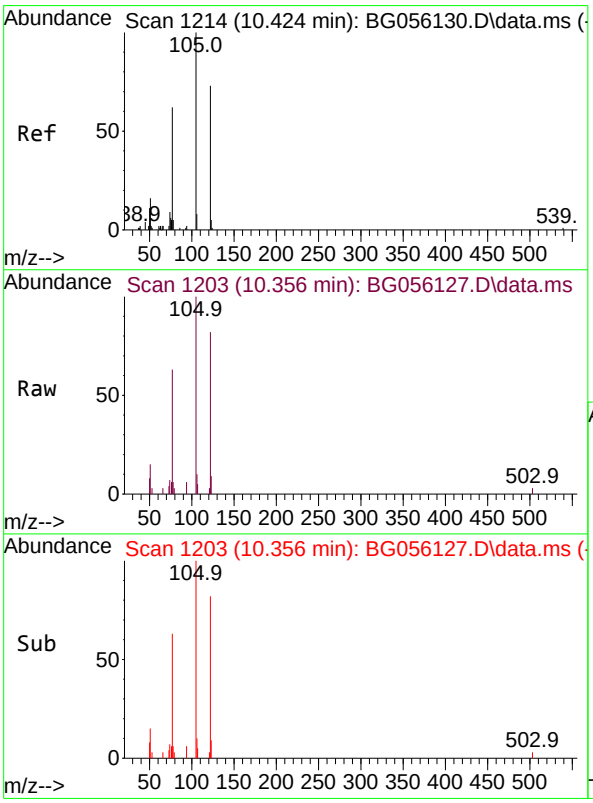
Ion	Ratio	Lower	Upper
128	100		
129	13.2	8.9	13.3
127	14.0	11.2	16.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

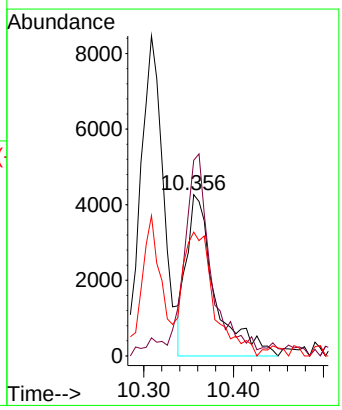
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

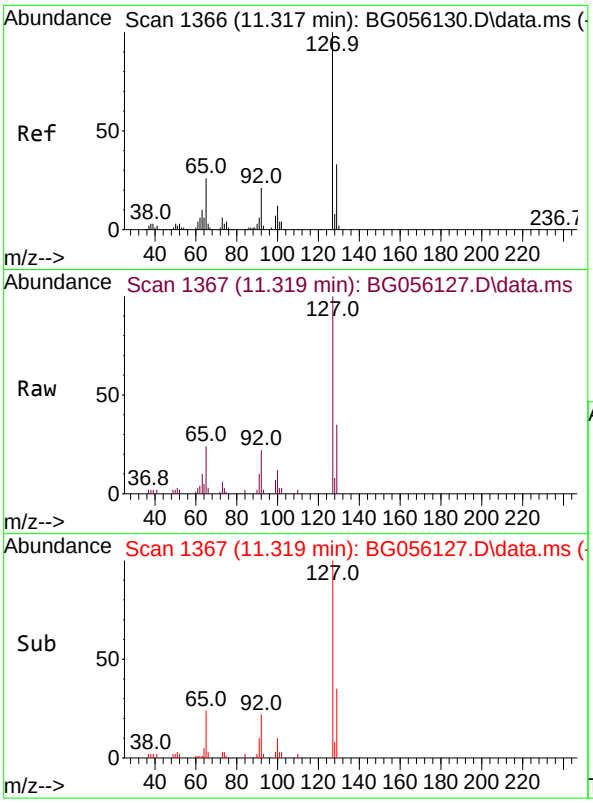


#32
Benzoic acid
Concen: 5.109 ng
RT: 10.356 min Scan# 1203
Delta R.T. -0.068 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:122 Resp: 9389

Ion	Ratio	Lower	Upper
122	100		
105	121.3	109.0	149.0
77	76.7	63.1	103.1

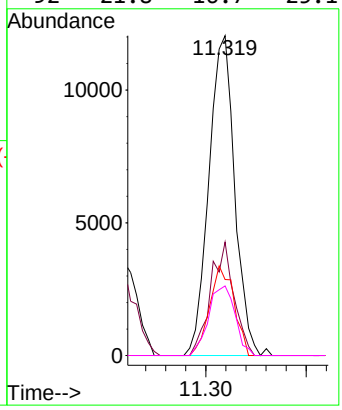




#33
4-Chloroaniline
Concen: 5.738 ng
RT: 11.319 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:127 Resp: 2159

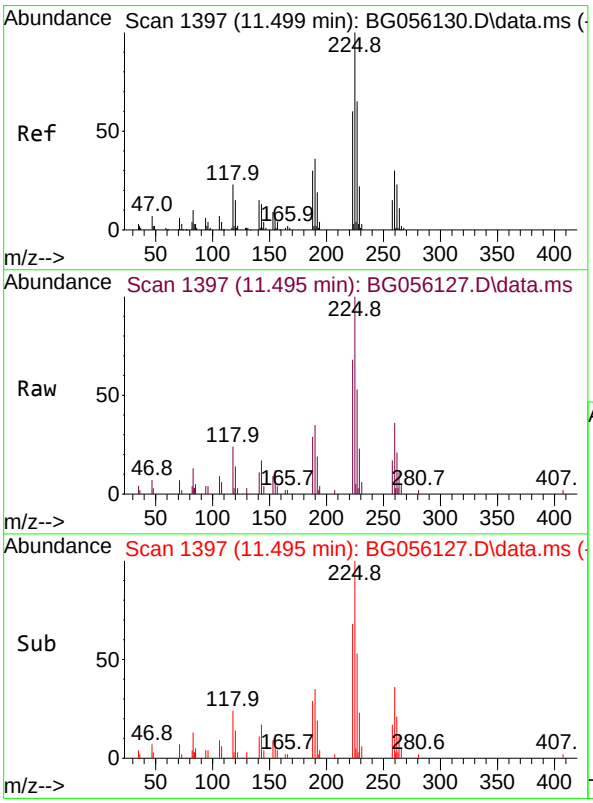
Ion	Ratio	Lower	Upper
127	100		
129	35.5	26.1	39.1
65	23.8	20.9	31.3
92	21.8	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

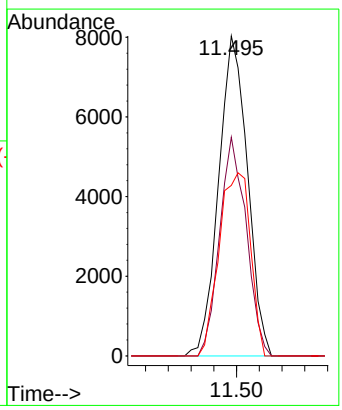
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

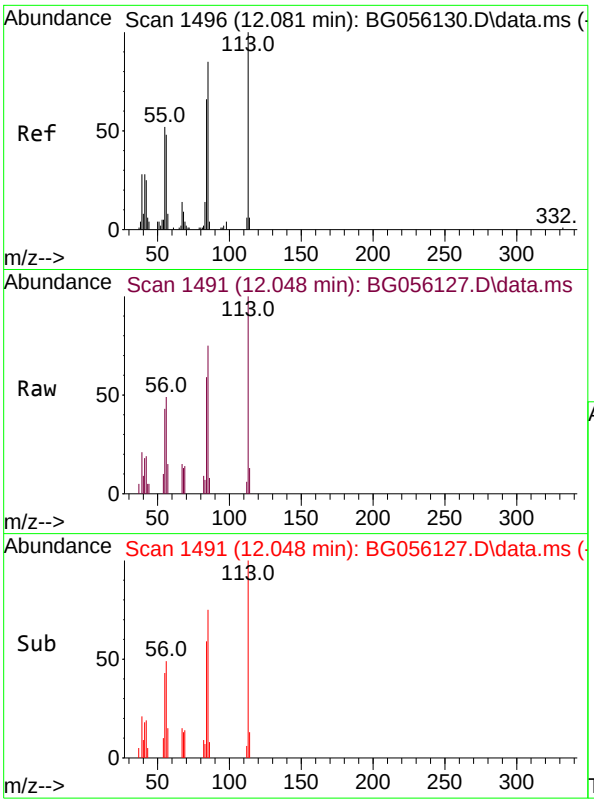


#34
Hexachlorobutadiene
Concen: 3.418 ng
RT: 11.495 min Scan# 1397
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:225 Resp: 14125

Ion	Ratio	Lower	Upper
225	100		
223	65.3	47.7	71.5
227	53.9	52.3	78.5





#35
Caprolactam
Concen: 6.177 ng
RT: 12.048 min Scan# 14
Delta R.T. -0.033 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

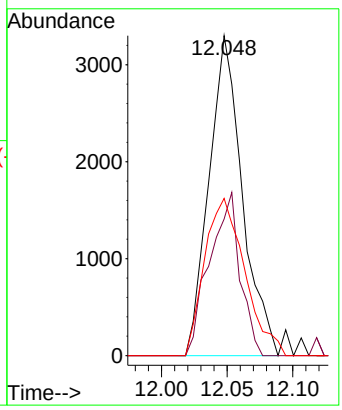
Tgt Ion:113 Resp: 581

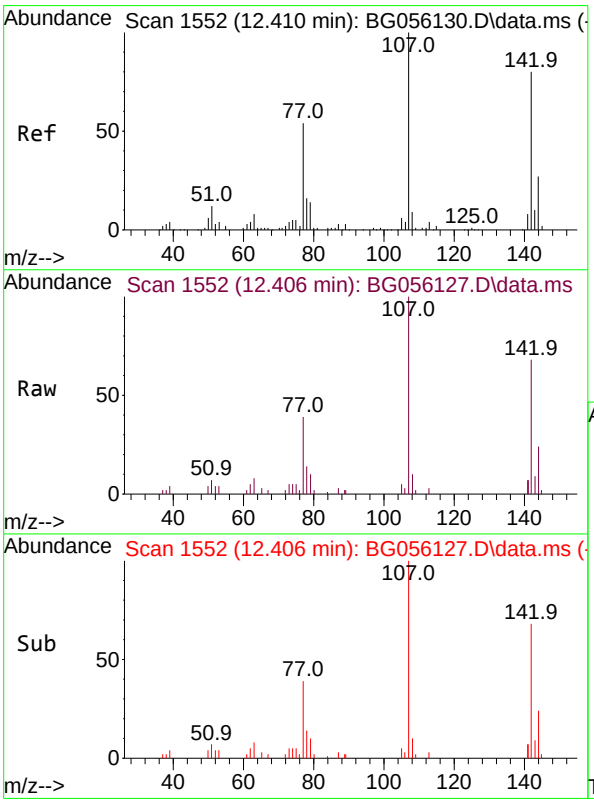
Ion	Ratio	Lower	Upper
113	100		
55	42.7	31.9	71.9
56	49.1	27.6	67.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

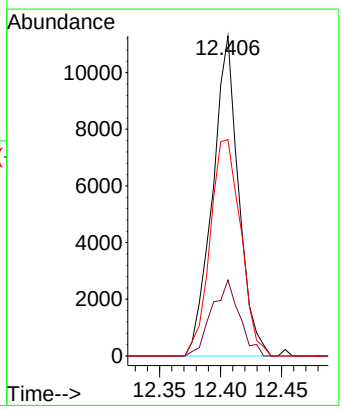


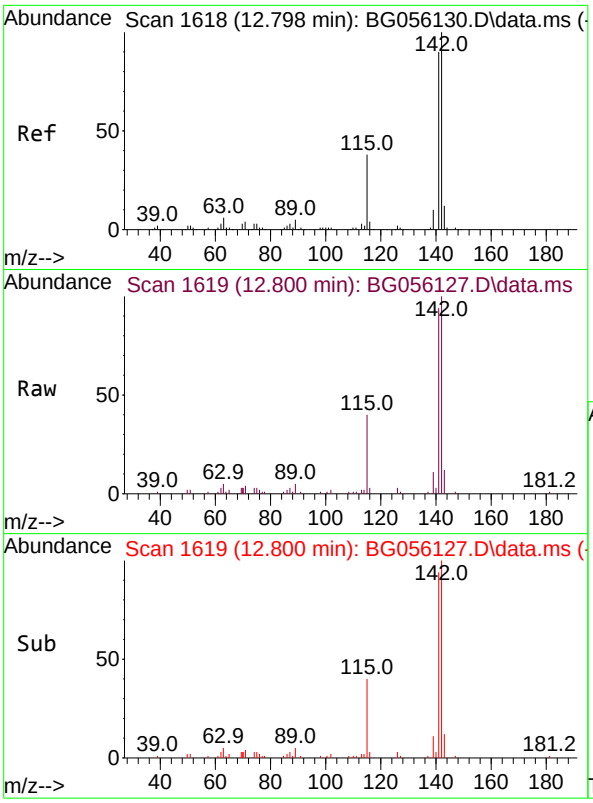


#36
4-Chloro-3-methylphenol
Concen: 5.299 ng
RT: 12.406 min Scan# 1552
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:107 Resp: 16799

Ion	Ratio	Lower	Upper
107	100		
144	23.7	21.5	32.3
142	67.6	63.8	95.6

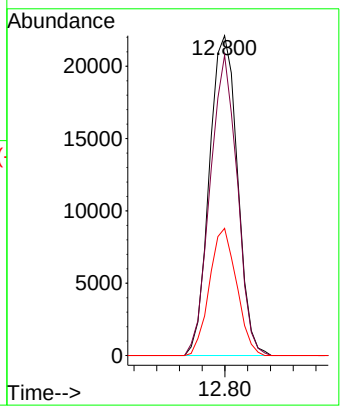




#37
2-Methylnaphthalene
Concen: 4.900 ng
RT: 12.800 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:142 Resp: 3800

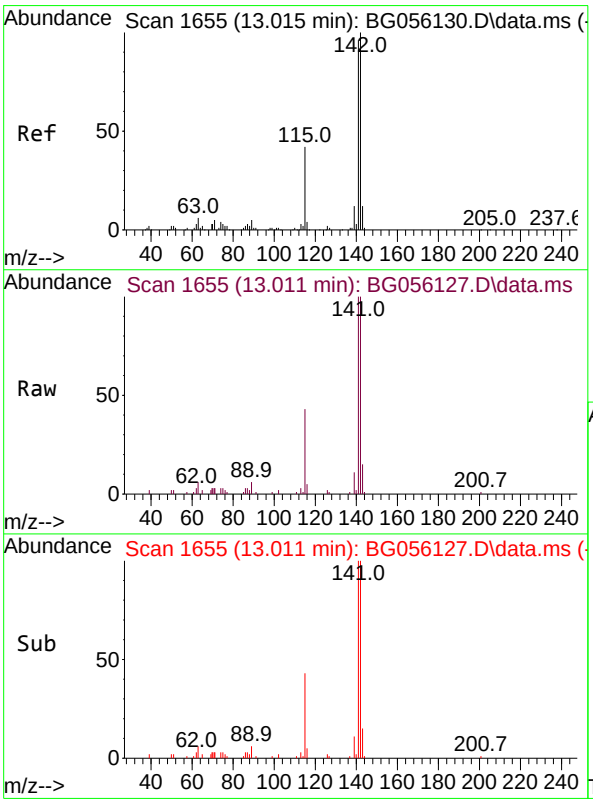
Ion	Ratio	Lower	Upper
142	100		
141	93.9	72.2	108.4
115	39.8	30.7	46.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

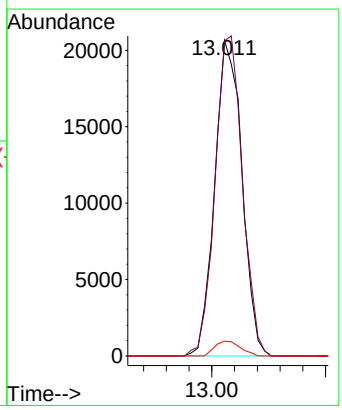
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

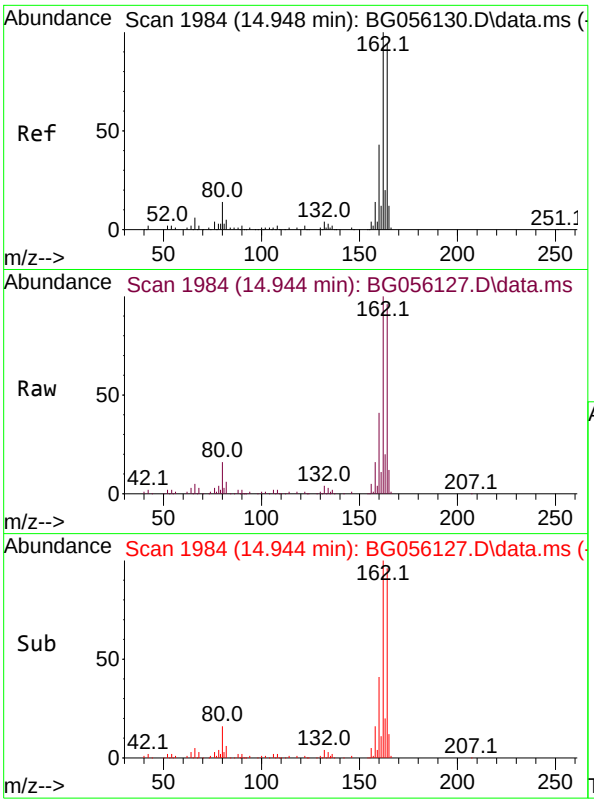


#38
1-Methylnaphthalene
Concen: 4.542 ng
RT: 13.011 min Scan# 1655
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:142 Resp: 34315

Ion	Ratio	Lower	Upper
142	100		
141	100.0	77.0	115.6
116	4.6	3.6	5.4

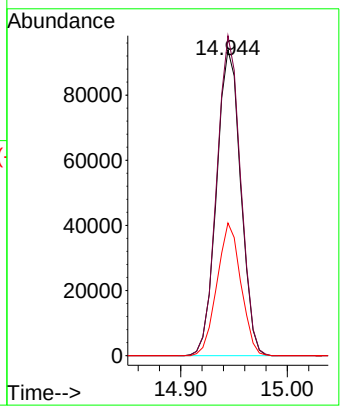




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.944 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:164 Resp: 14805

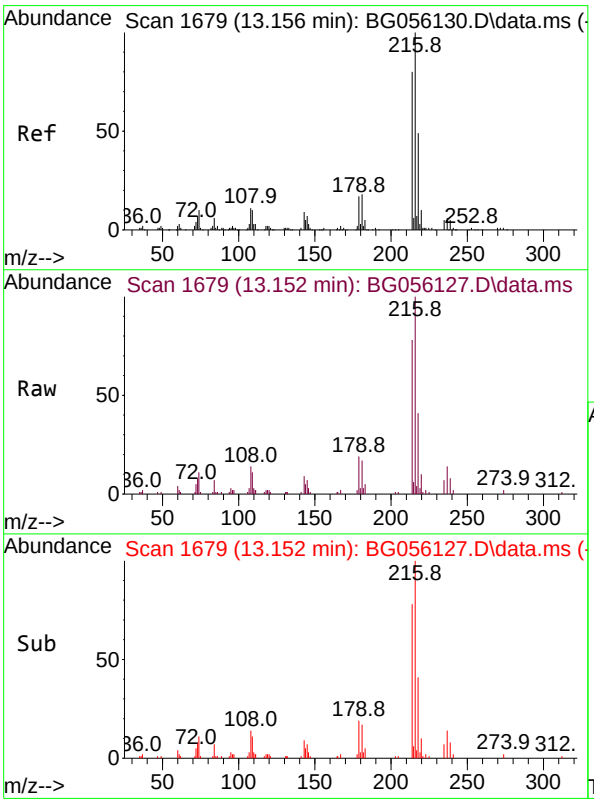
Ion	Ratio	Lower	Upper
164	100		
162	104.7	84.7	127.1
160	43.4	36.3	54.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

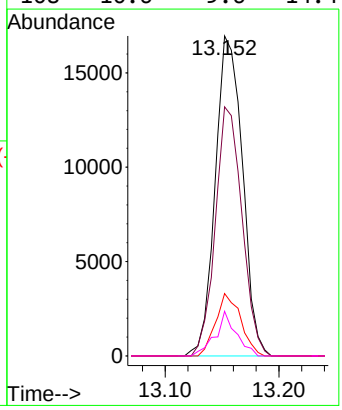
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

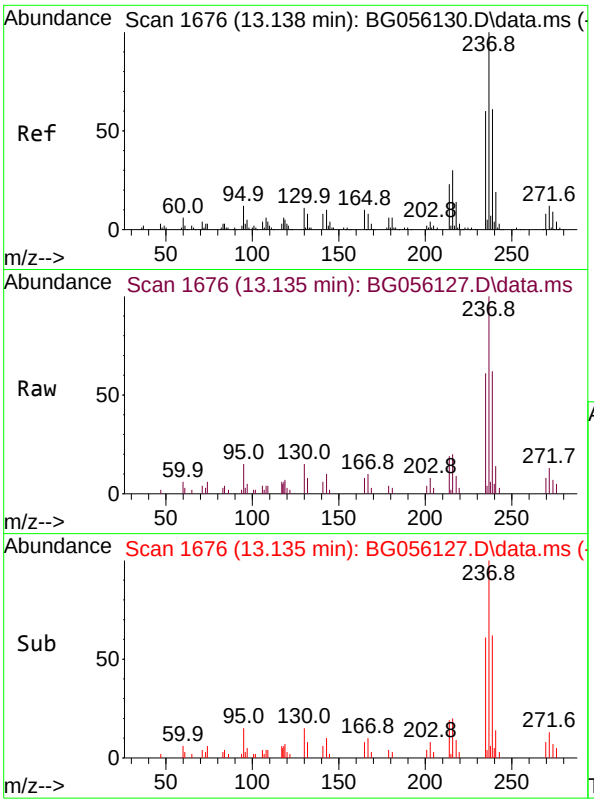


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.509 ng
RT: 13.152 min Scan# 1679
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:216 Resp: 28165

Ion	Ratio	Lower	Upper
216	100		
214	76.3	63.4	95.0
179	17.9	13.6	20.4
108	10.6	9.6	14.4





#41
Hexachlorocyclopentadiene
Concen: 4.010 ng
RT: 13.135 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

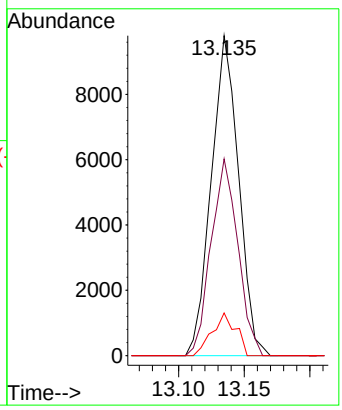
Tgt Ion:237 Resp: 1420

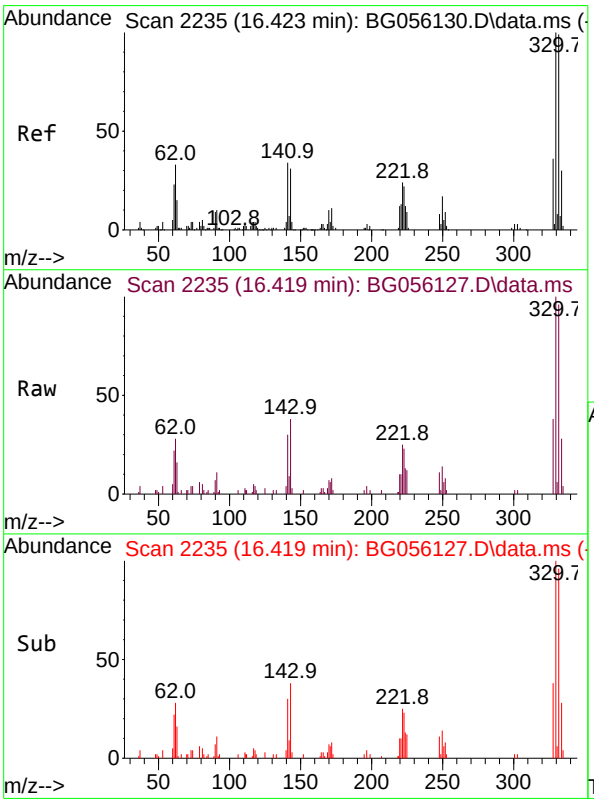
Ion	Ratio	Lower	Upper
237	100		
235	61.5	40.3	80.3
272	13.3	0.0	32.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

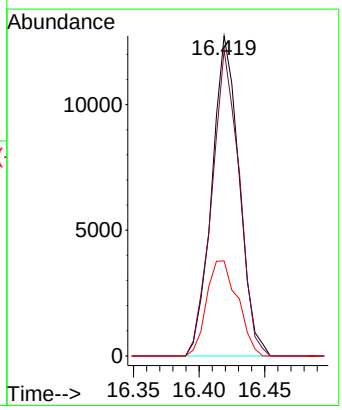


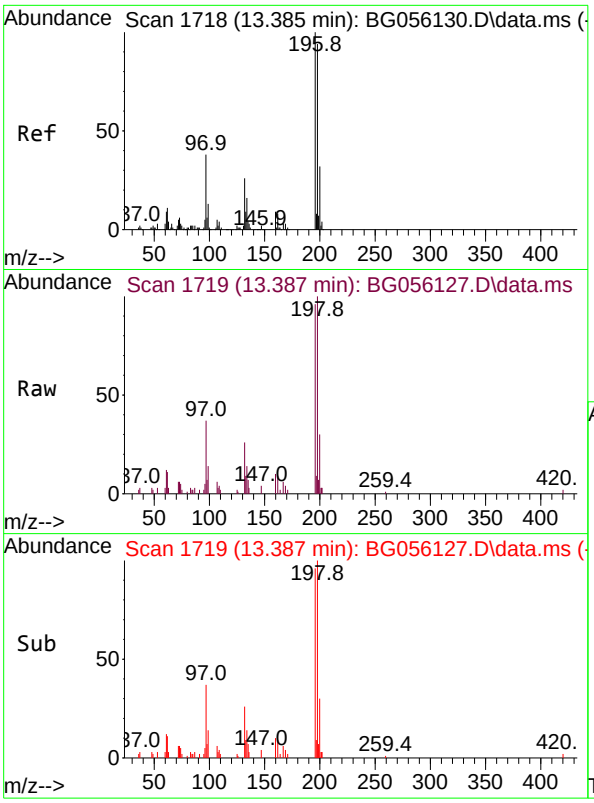


#42
2,4,6-Tribromophenol
Concen: 5.157 ng
RT: 16.419 min Scan# 2235
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:330 Resp: 18409

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.3	115.9
141	33.7	27.9	41.9

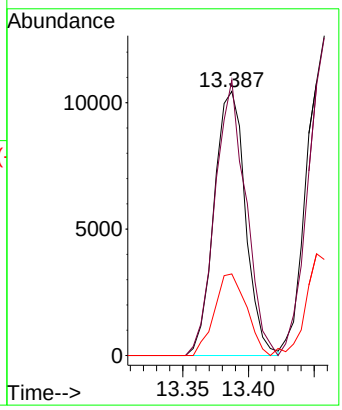




#43
2,4,6-Trichlorophenol
Concen: 4.705 ng
RT: 13.387 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:196 Resp: 1739

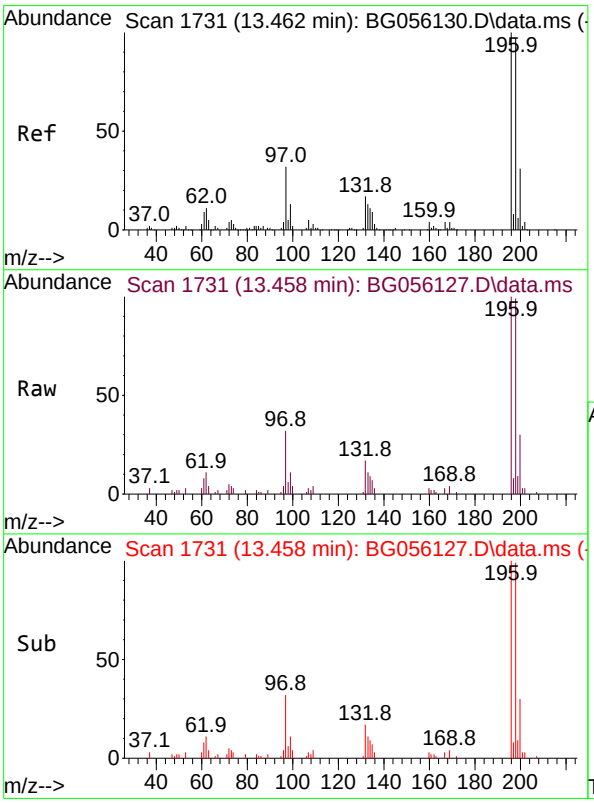
Ion	Ratio	Lower	Upper
196	100		
198	104.2	75.5	113.3
200	30.9	25.7	38.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

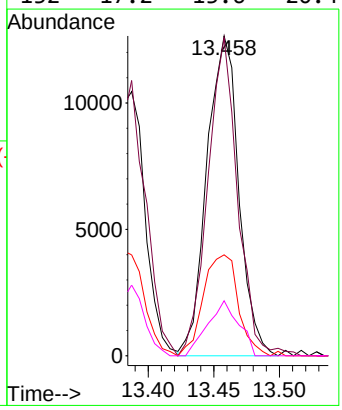
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

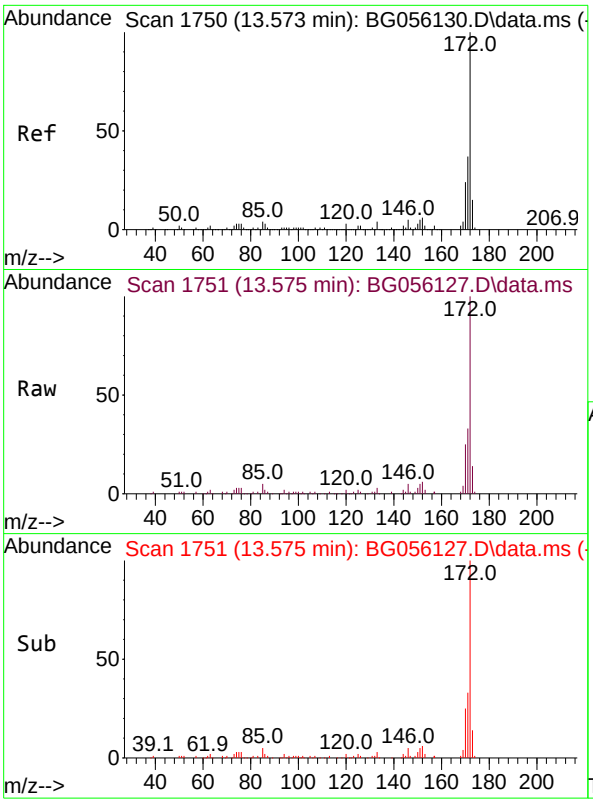


#44
2,4,5-Trichlorophenol
Concen: 5.139 ng
RT: 13.458 min Scan# 1731
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:196 Resp: 21422

Ion	Ratio	Lower	Upper
196	100		
198	99.4	78.0	117.0
97	31.6	25.7	38.5
132	17.2	13.6	20.4

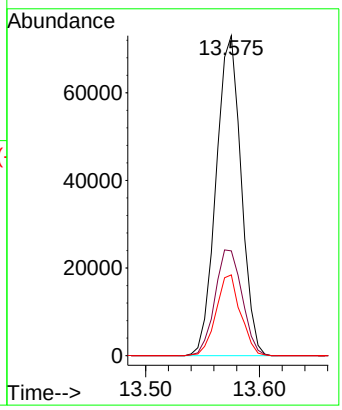




#45
2-Fluorobiphenyl
Concen: 10.557 ng
RT: 13.575 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:172 Resp: 11144

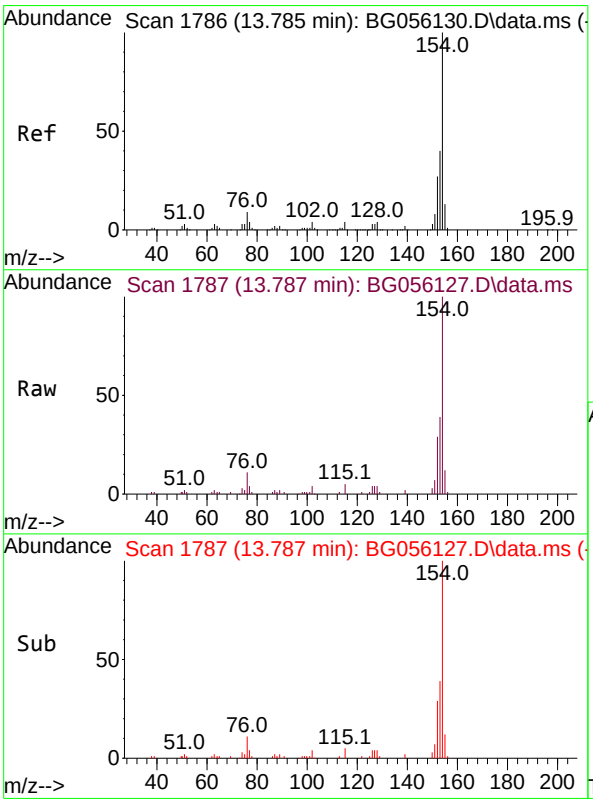
Ion	Ratio	Lower	Upper
172	100		
171	32.7	29.6	44.4
170	25.2	19.4	29.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

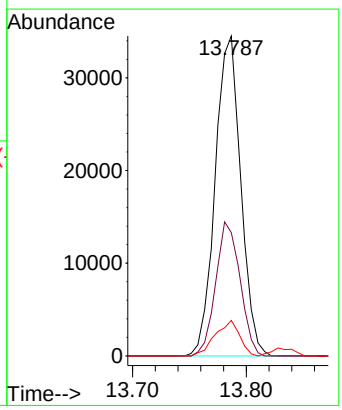
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

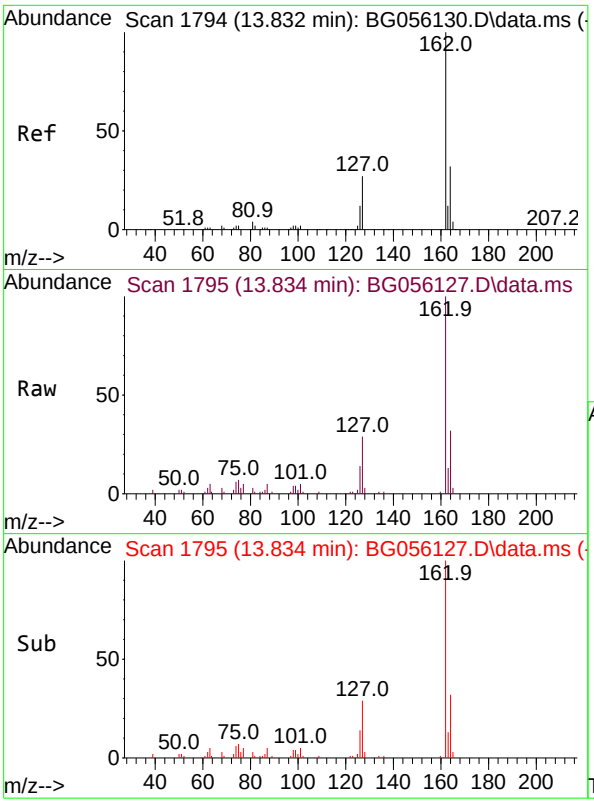


#46
1,1'-Biphenyl
Concen: 5.365 ng
RT: 13.787 min Scan# 1787
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:154 Resp: 53840

Ion	Ratio	Lower	Upper
154	100		
153	38.6	20.0	60.0
76	11.1	0.0	29.3

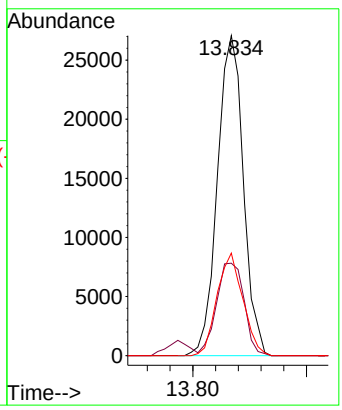




#47
2-Chloronaphthalene
Concen: 5.259 ng
RT: 13.834 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:162 Resp: 4287

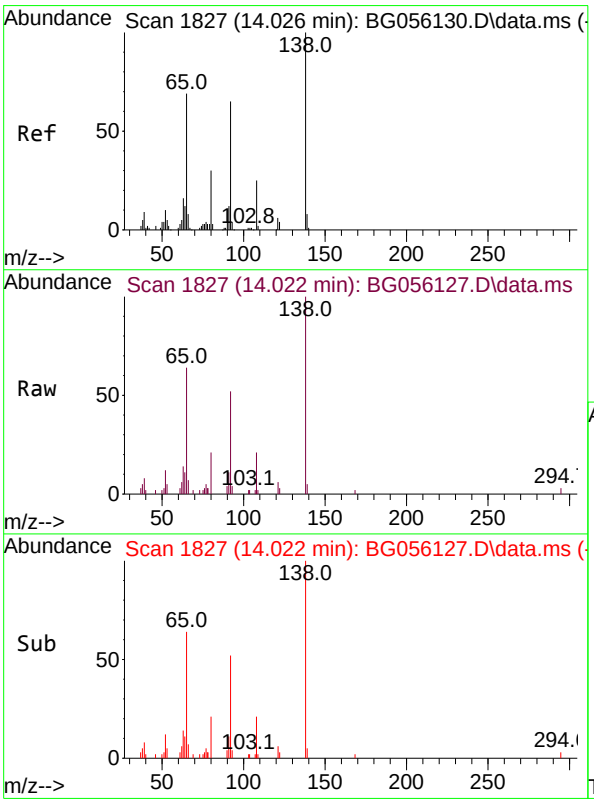
Ion	Ratio	Lower	Upper
162	100		
127	28.9	24.6	36.8
164	32.0	25.8	38.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

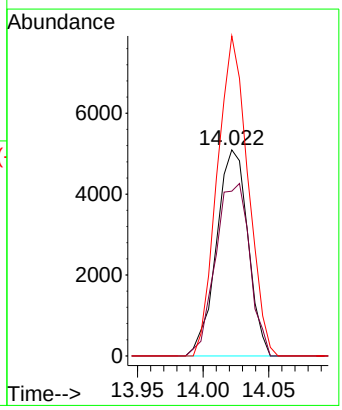
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

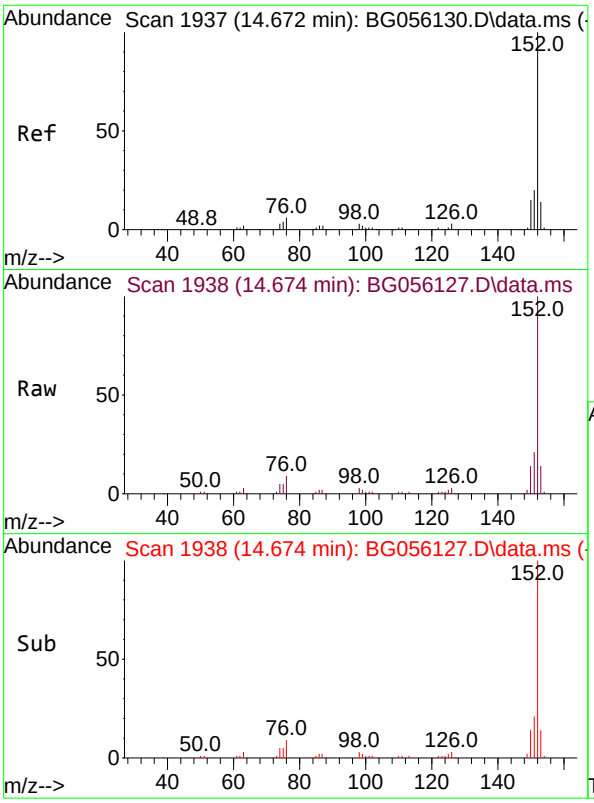


#48
2-Nitroaniline
Concen: 6.226 ng
RT: 14.022 min Scan# 1827
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 65 Resp: 8493

Ion	Ratio	Lower	Upper
65	100		
92	80.0	76.0	114.0
138	155.4	116.6	174.8





#49
Acenaphthylene
Concen: 5.369 ng
RT: 14.674 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

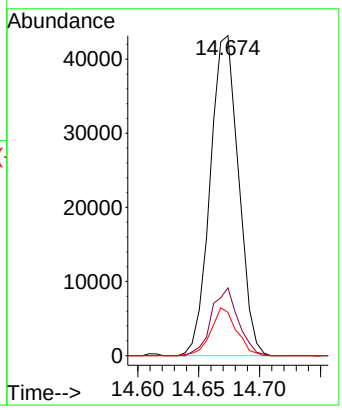
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

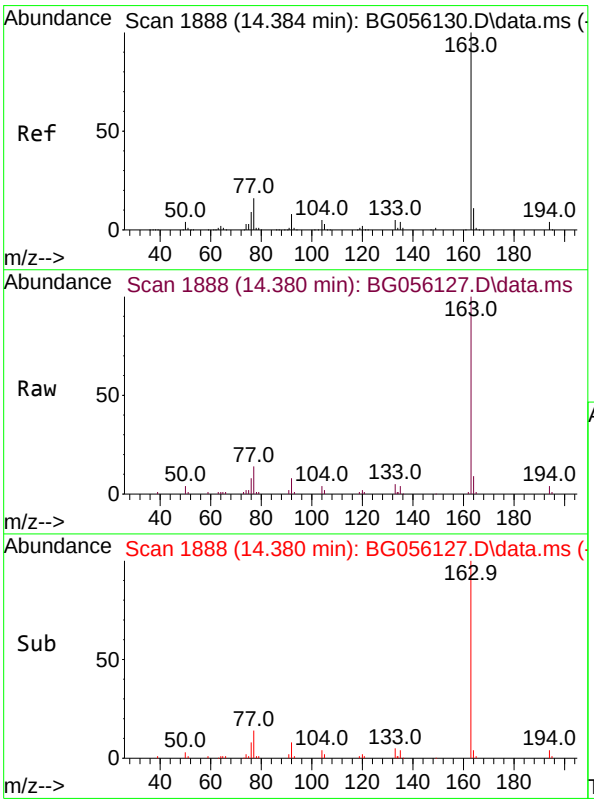
Tgt Ion:152 Resp: 6988

Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.0	24.0
153	13.5	11.0	16.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

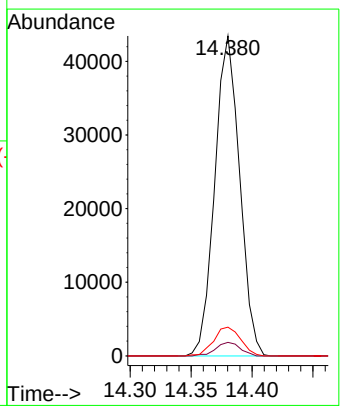


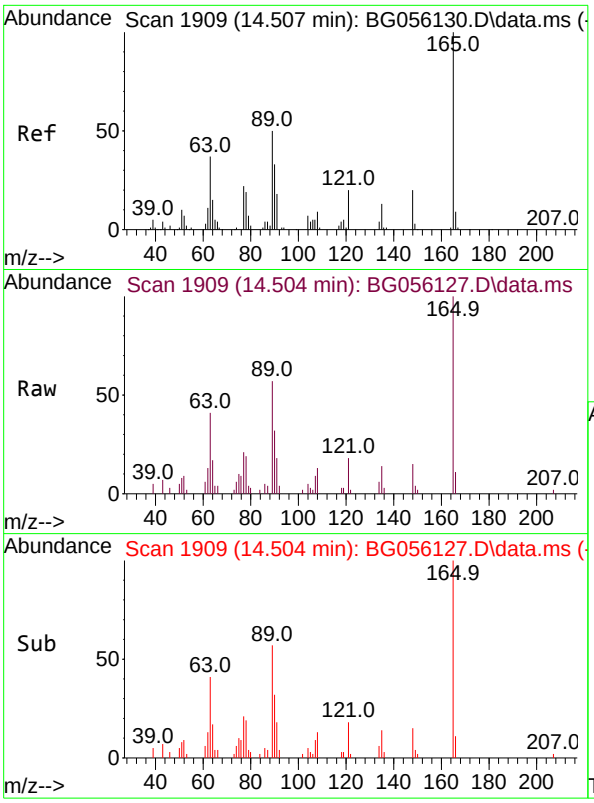


#50
Dimethylphthalate
Concen: 4.815 ng
RT: 14.380 min Scan# 1888
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:163 Resp: 61635

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	9.0	8.7	13.1

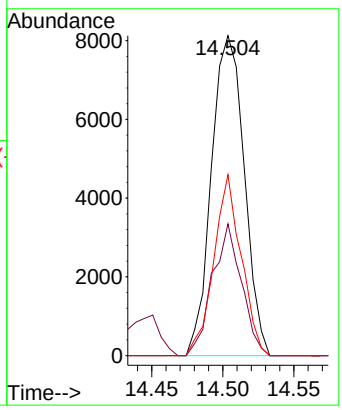




#51
2,6-Dinitrotoluene
Concen: 6.591 ng
RT: 14.504 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:165 Resp: 1305

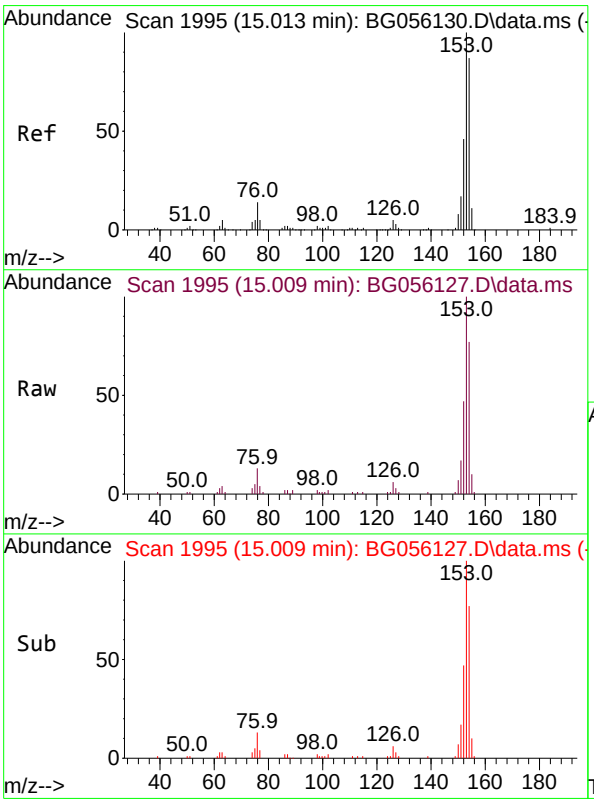
Ion	Ratio	Lower	Upper
165	100		
63	41.2	32.2	48.2
89	56.6	39.8	59.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

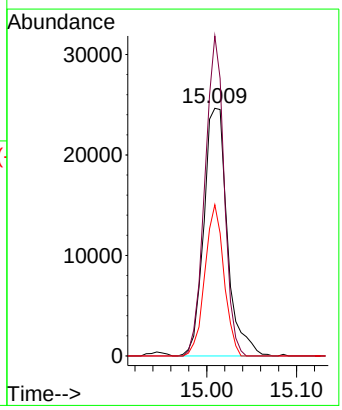
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

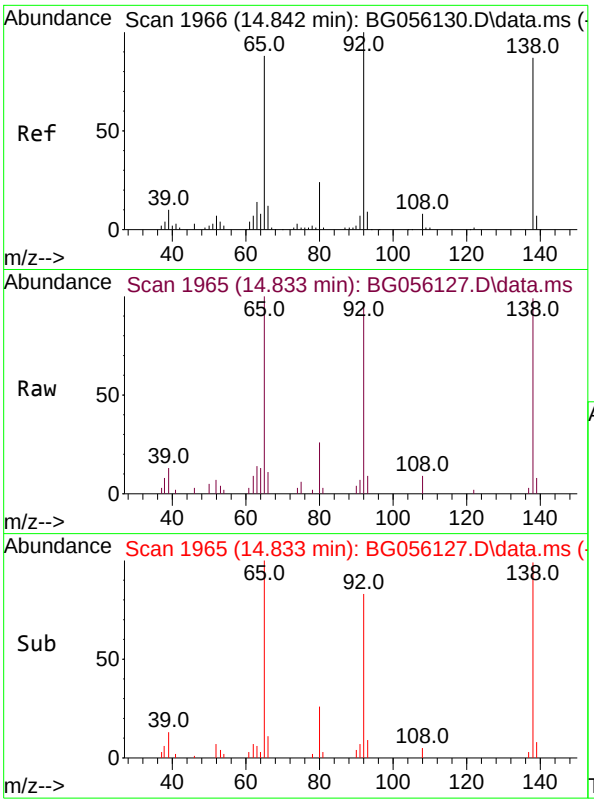


#52
Acenaphthene
Concen: 5.152 ng
RT: 15.009 min Scan# 1995
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:154 Resp: 45016

Ion	Ratio	Lower	Upper
154	100		
153	129.3	92.0	138.0
152	61.0	42.5	63.7

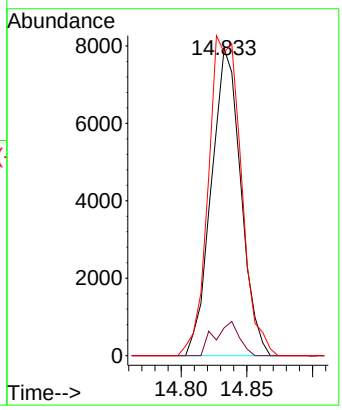




#53
3-Nitroaniline
Concen: 6.168 ng
RT: 14.833 min Scan# 19
Delta R.T. -0.010 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:138 Resp: 1242

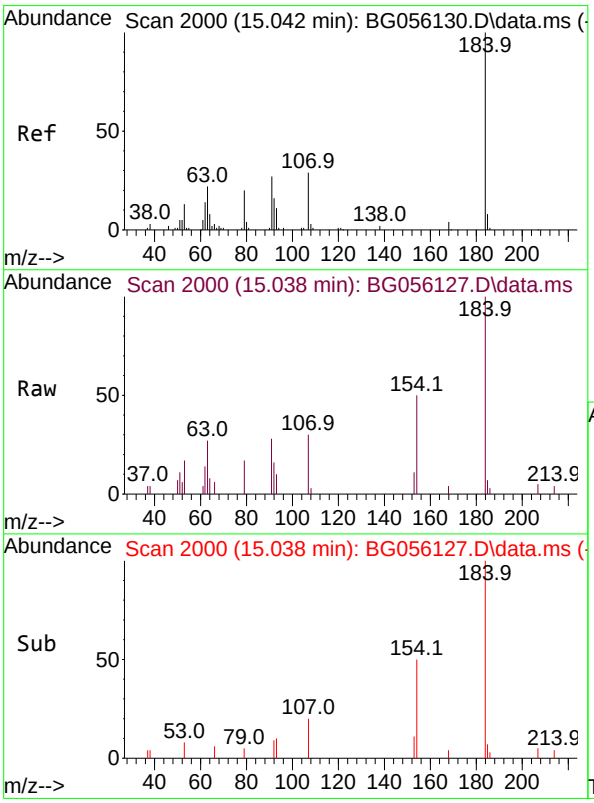
Ion	Ratio	Lower	Upper
138	100		
108	9.0	7.6	11.4
92	98.8	91.7	137.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

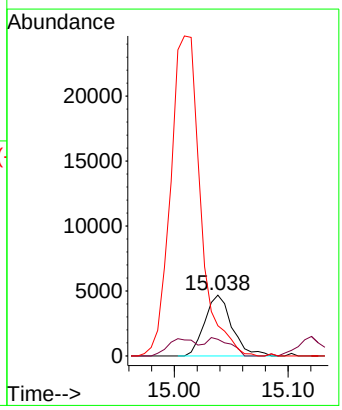
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

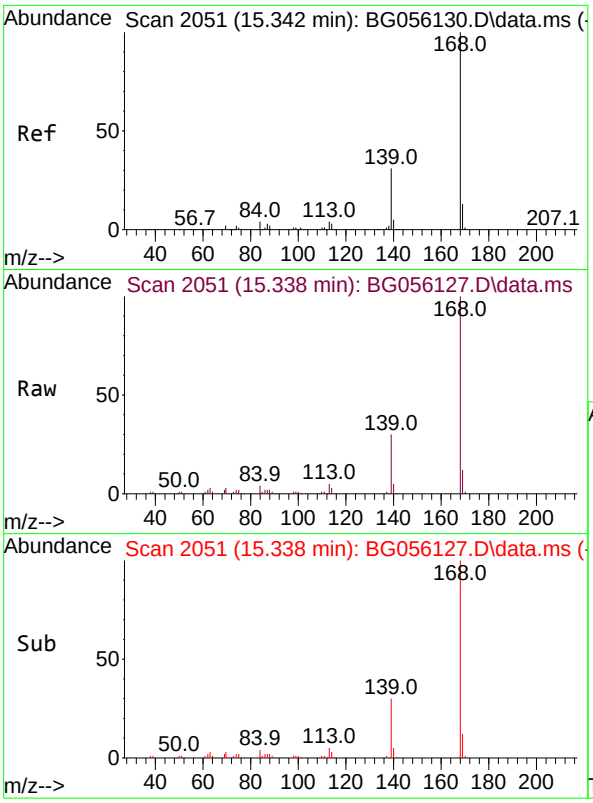


#54
2,4-Dinitrophenol
Concen: 5.260 ng
RT: 15.038 min Scan# 2000
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:184 Resp: 7746

Ion	Ratio	Lower	Upper
184	100		
63	27.2	24.0	36.0
154	49.8	45.4	68.0

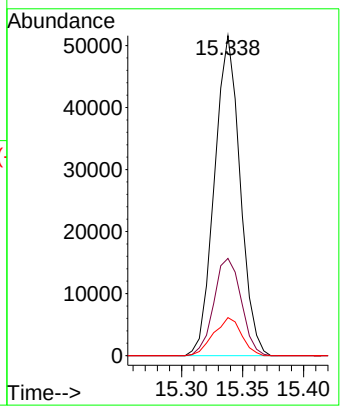




#55
Dibenzofuran
Concen: 5.133 ng
RT: 15.338 min Scan# 20
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:168 Resp: 7541

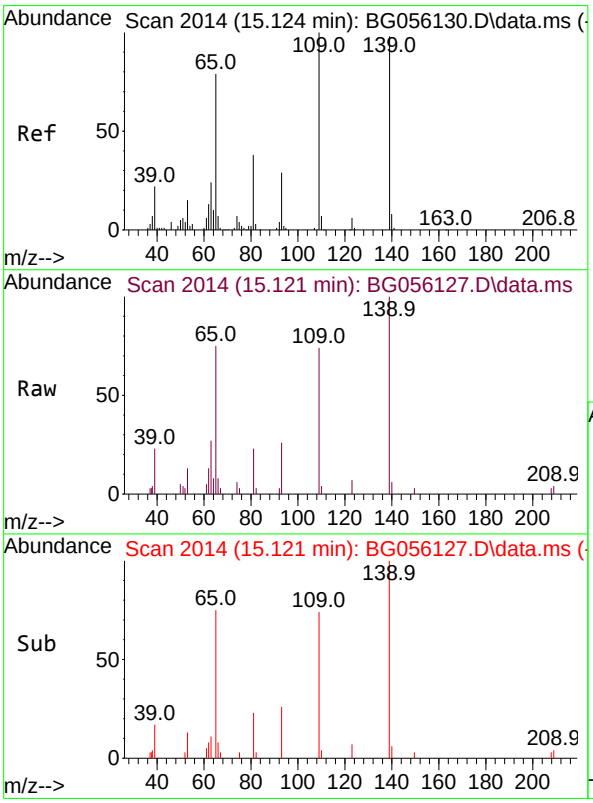
Ion	Ratio	Lower	Upper
168	100		
139	30.4	24.7	37.1
169	11.9	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

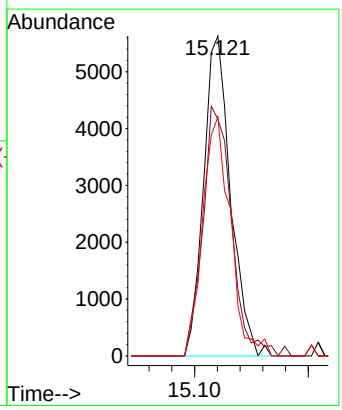
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

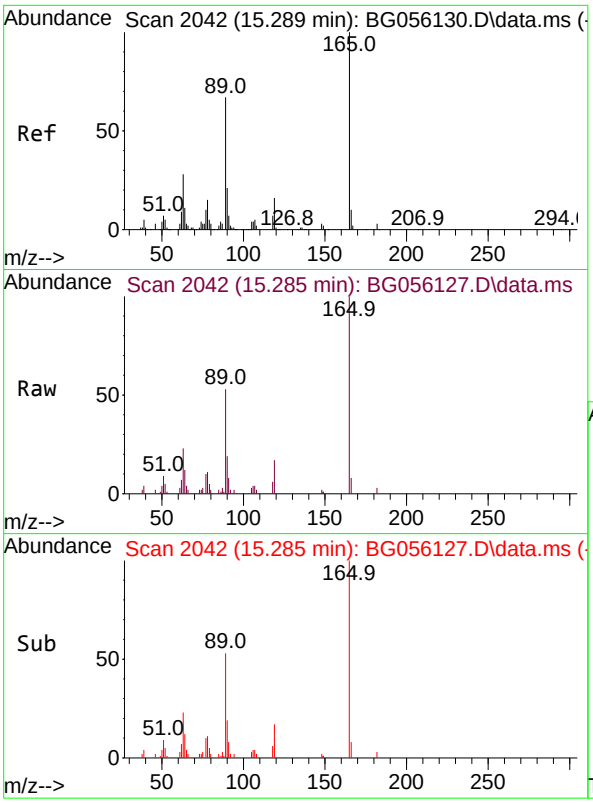


#56
4-Nitrophenol
Concen: 5.743 ng
RT: 15.121 min Scan# 2014
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:139 Resp: 9272

Ion	Ratio	Lower	Upper
139	100		
109	74.0	82.2	122.2#
65	74.7	60.6	100.6

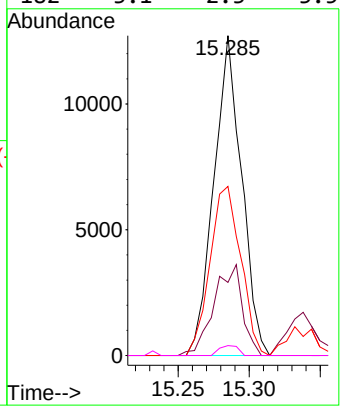




#57
2,4-Dinitrotoluene
Concen: 5.778 ng
RT: 15.285 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:165 Resp: 1727

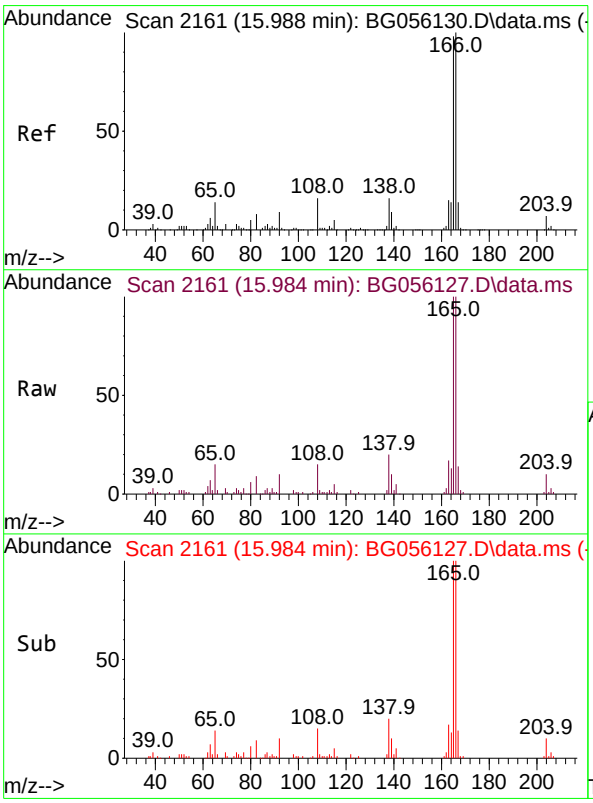
Ion	Ratio	Lower	Upper
165	100		
63	22.9	22.6	34.0
89	52.9	53.2	79.8#
182	3.1	2.3	3.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

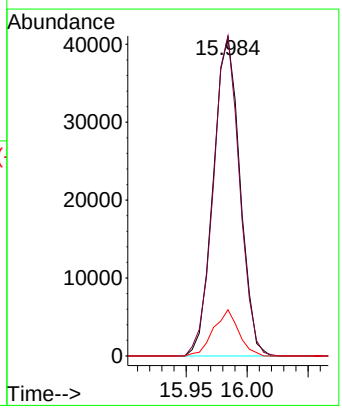
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

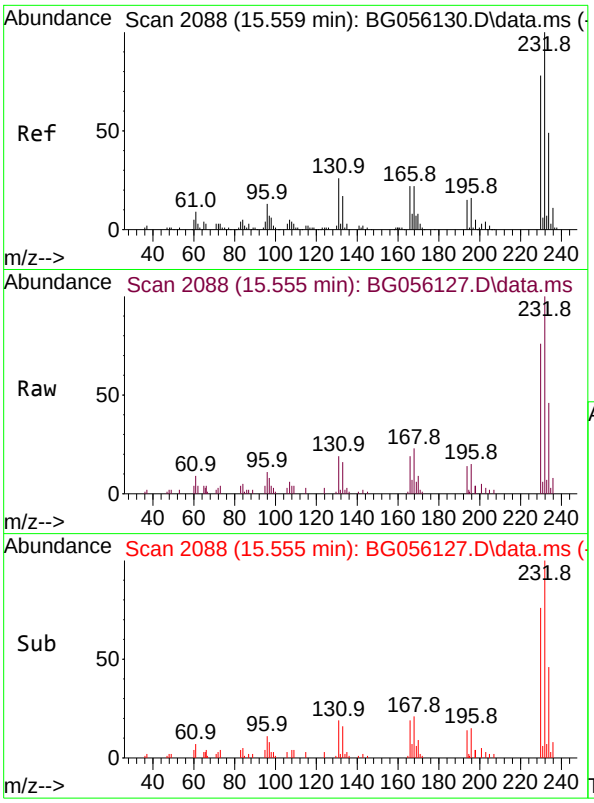


#58
Fluorene
Concen: 5.173 ng
RT: 15.984 min Scan# 2161
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:166 Resp: 62138

Ion	Ratio	Lower	Upper
166	100		
165	100.4	78.6	118.0
167	14.5	11.1	16.7

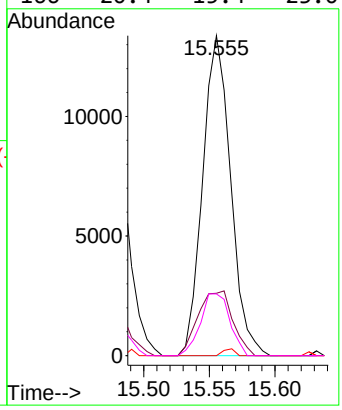




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.162 ng
RT: 15.555 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:232 Resp: 1981

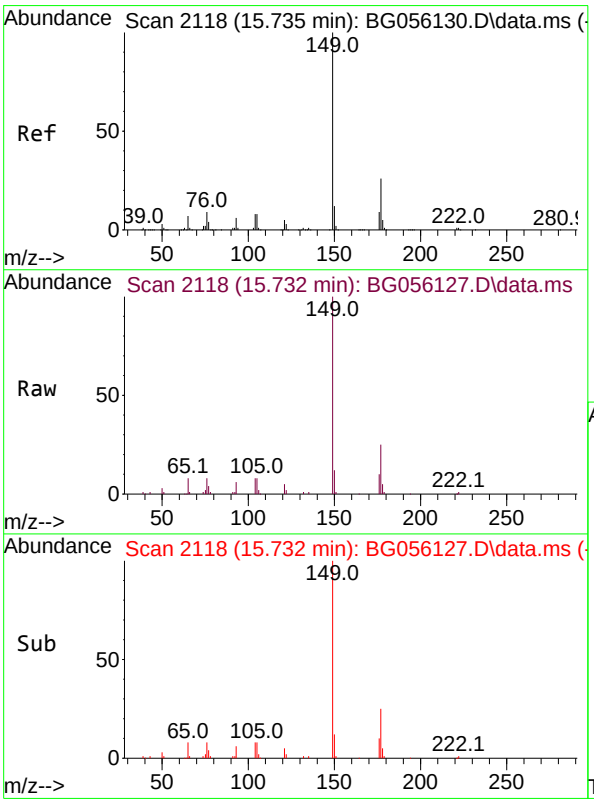
Ion	Ratio	Lower	Upper
232	100		
131	25.1	21.4	32.2
130	0.9	1.4	2.0#
166	20.4	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

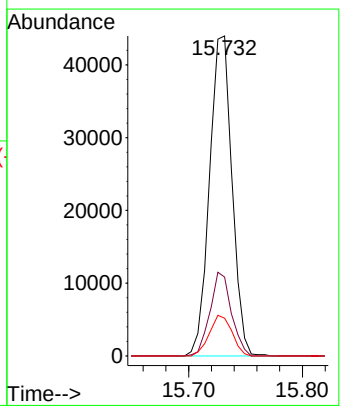
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

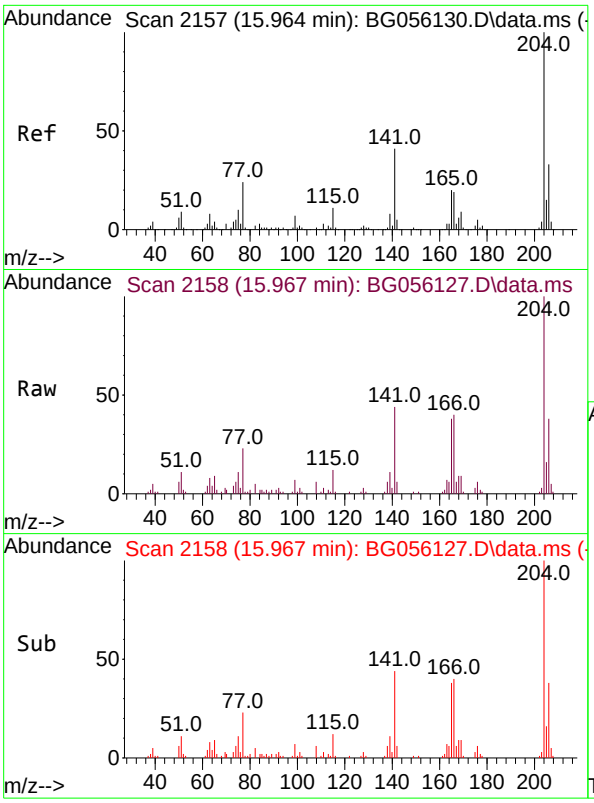


#60
Diethylphthalate
Concen: 4.832 ng
RT: 15.732 min Scan# 2118
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:149 Resp: 60456

Ion	Ratio	Lower	Upper
149	100		
177	24.6	20.6	31.0
150	11.8	9.9	14.9

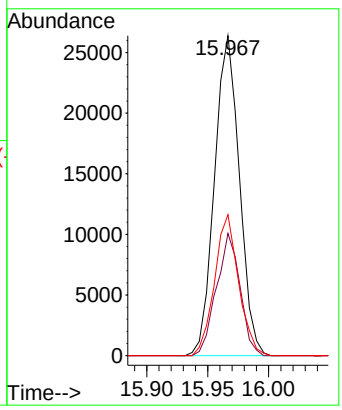




#61
4-Chlorophenyl-phenylether
Concen: 4.574 ng
RT: 15.967 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:204 Resp: 3742

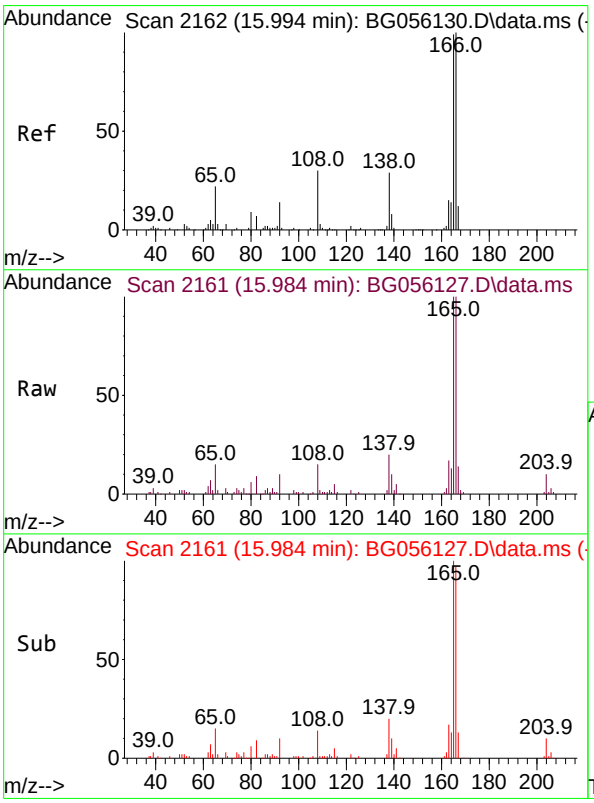
Ion	Ratio	Lower	Upper
204	100		
206	38.2	26.4	39.6
141	44.0	33.0	49.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

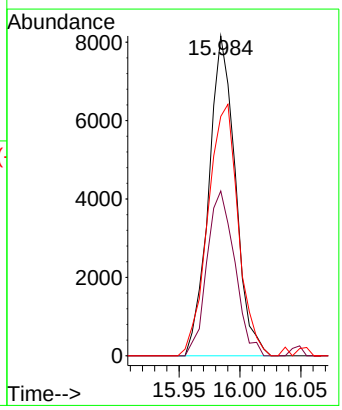
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

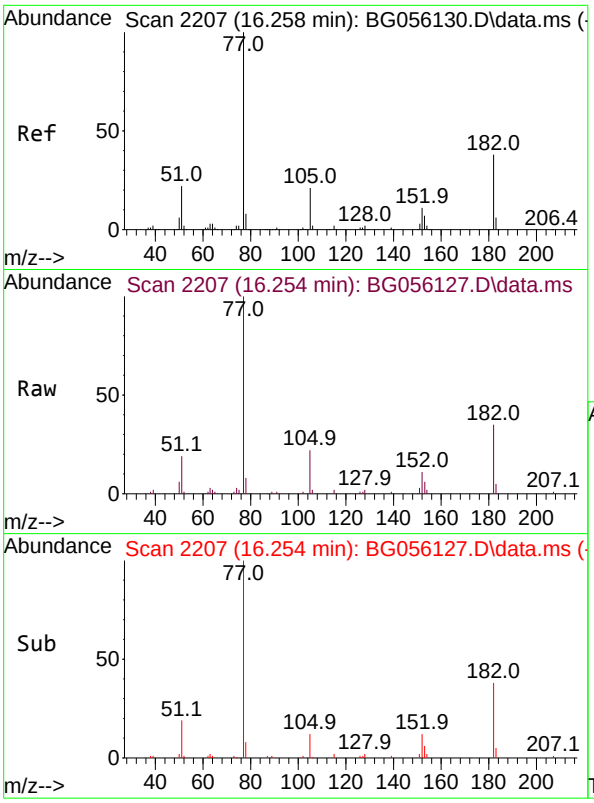


#62
4-Nitroaniline
Concen: 5.658 ng
RT: 15.984 min Scan# 2161
Delta R.T. -0.010 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:138 Resp: 12414

Ion	Ratio	Lower	Upper
138	100		
92	51.5	28.6	68.6
108	74.8	83.4	123.4#

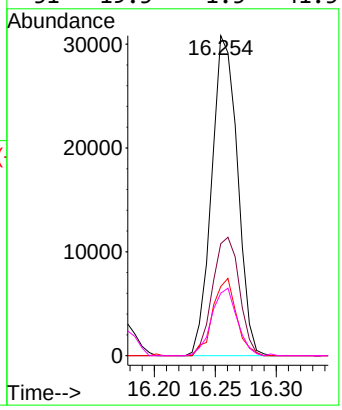




#63
Azobenzene
Concen: 5.964 ng
RT: 16.254 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion: 77 Resp: 4541

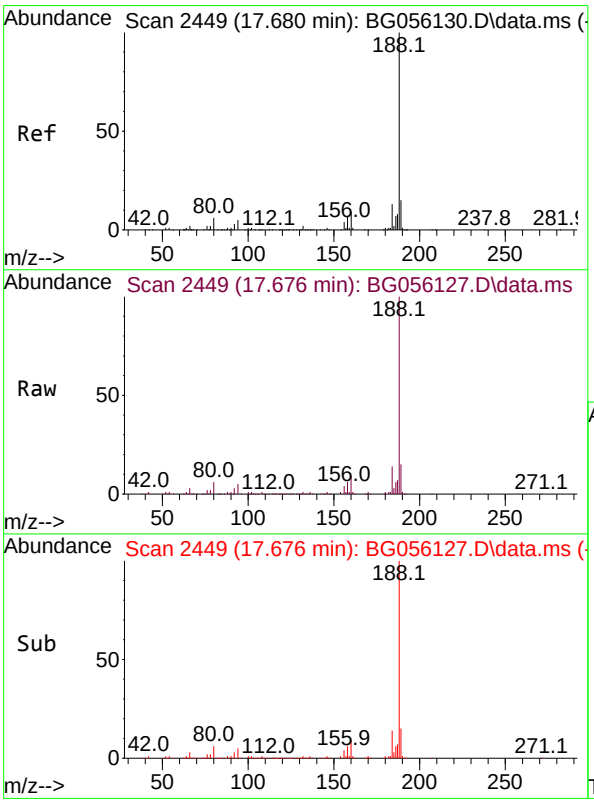
Ion	Ratio	Lower	Upper
77	100		
182	35.0	18.5	58.5
105	21.6	1.4	41.4
51	19.5	1.5	41.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

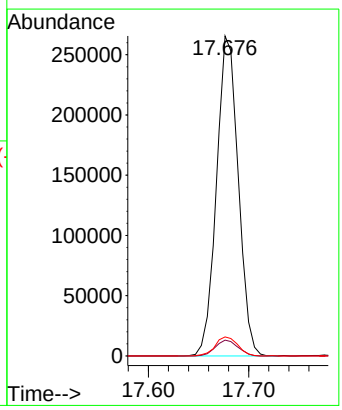
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

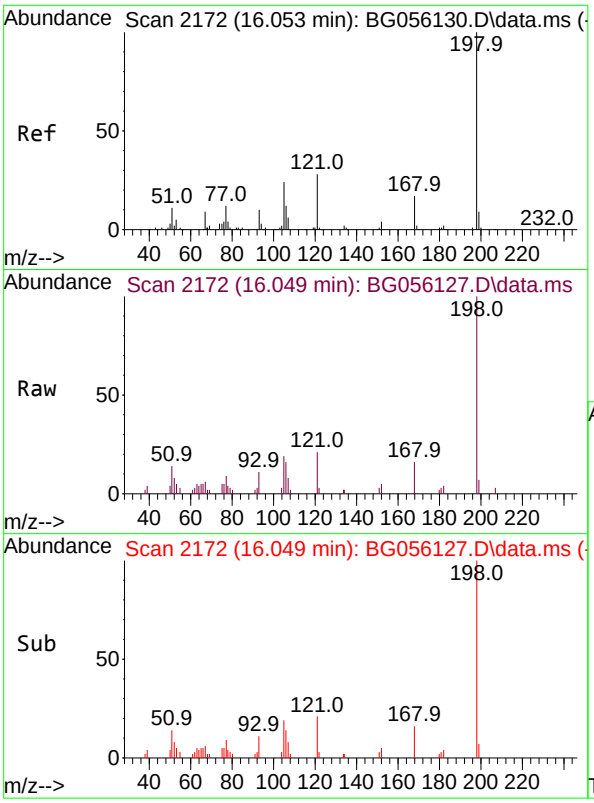


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.676 min Scan# 2449
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:188 Resp: 400254

Ion	Ratio	Lower	Upper
188	100		
94	4.9	4.2	6.2
80	5.9	5.0	7.4

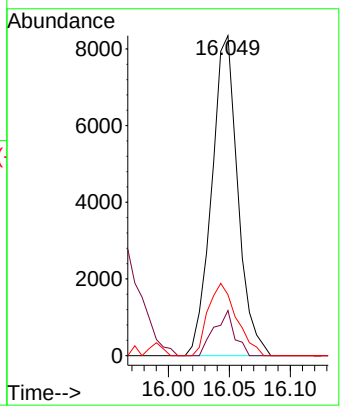




#65
4,6-Dinitro-2-methylphenol
Concen: 6.512 ng
RT: 16.049 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:198 Resp: 1245

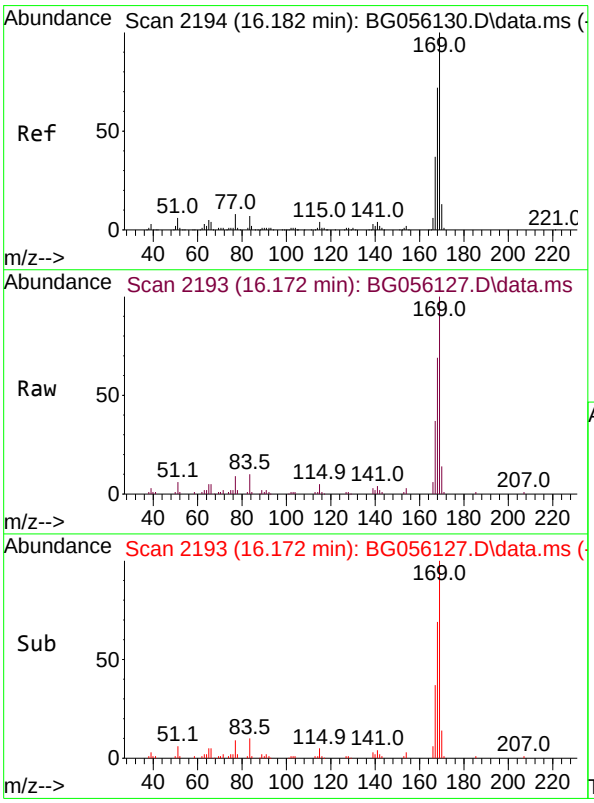
Ion	Ratio	Lower	Upper
198	100		
51	14.1	0.0	33.2
105	19.0	4.9	44.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

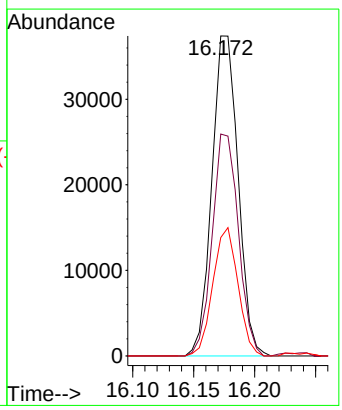
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

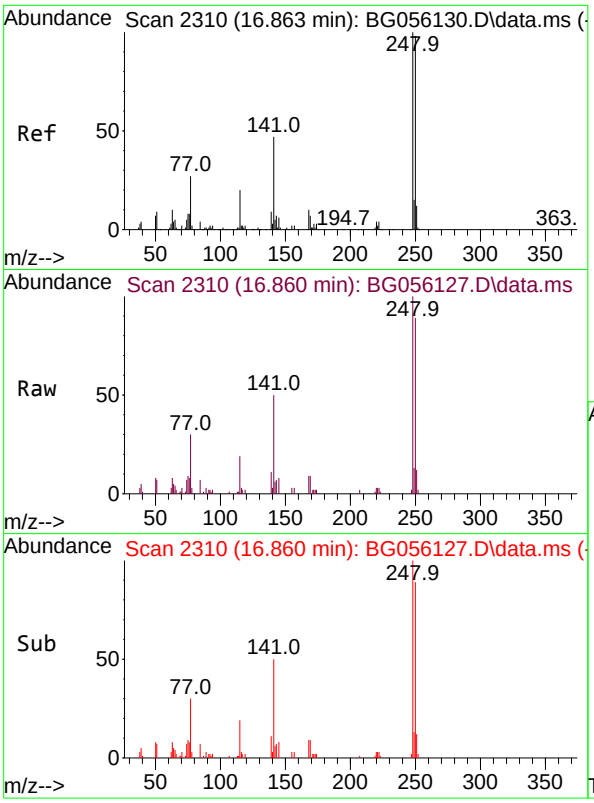


#66
n-Nitrosodiphenylamine
Concen: 5.333 ng
RT: 16.172 min Scan# 2193
Delta R.T. -0.010 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:169 Resp: 55941

Ion	Ratio	Lower	Upper
169	100		
168	69.3	58.0	87.0
167	37.0	30.0	45.0





#67
4-Bromophenyl-phenylether
Concen: 4.395 ng
RT: 16.860 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

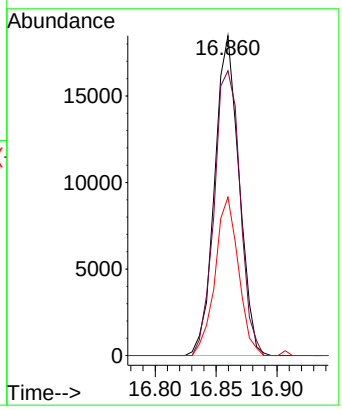
Tgt Ion:248 Resp: 2577

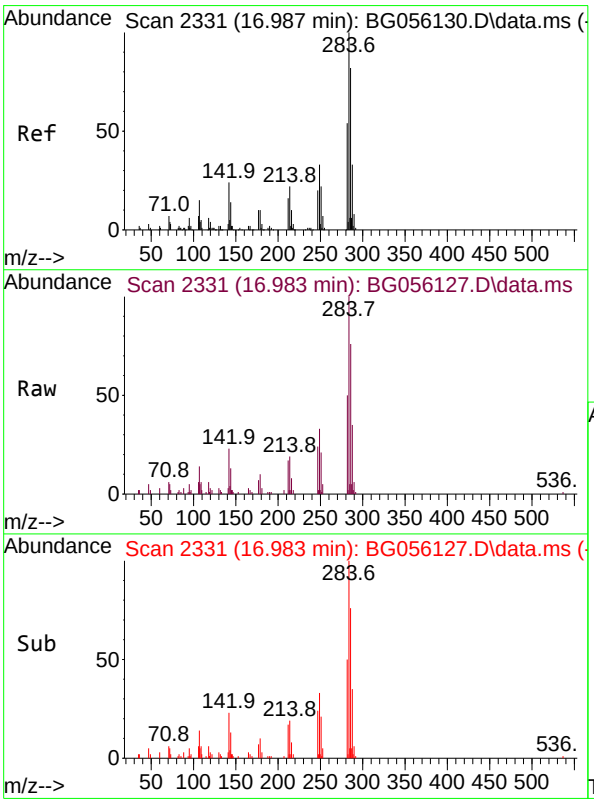
Ion	Ratio	Lower	Upper
248	100		
250	89.0	78.2	117.4
141	49.5	37.6	56.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

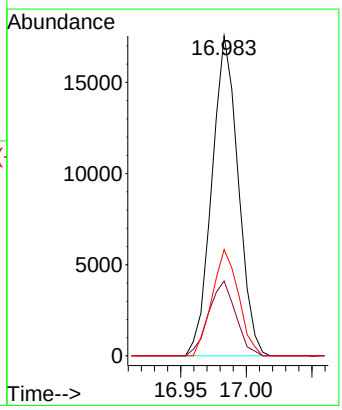


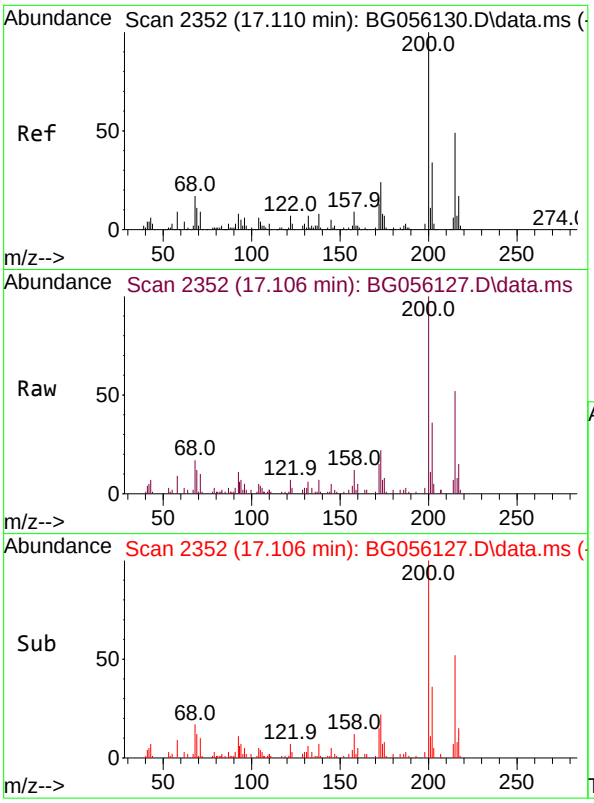


#68
Hexachlorobenzene
Concen: 3.394 ng
RT: 16.983 min Scan# 2331
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:284 Resp: 24520

Ion	Ratio	Lower	Upper
284	100		
142	23.4	19.0	28.6
249	34.9	26.6	39.8





#69
Atrazine
Concen: 4.817 ng
RT: 17.106 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

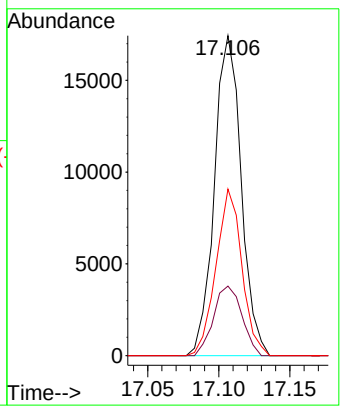
Tgt Ion:200 Resp: 2287

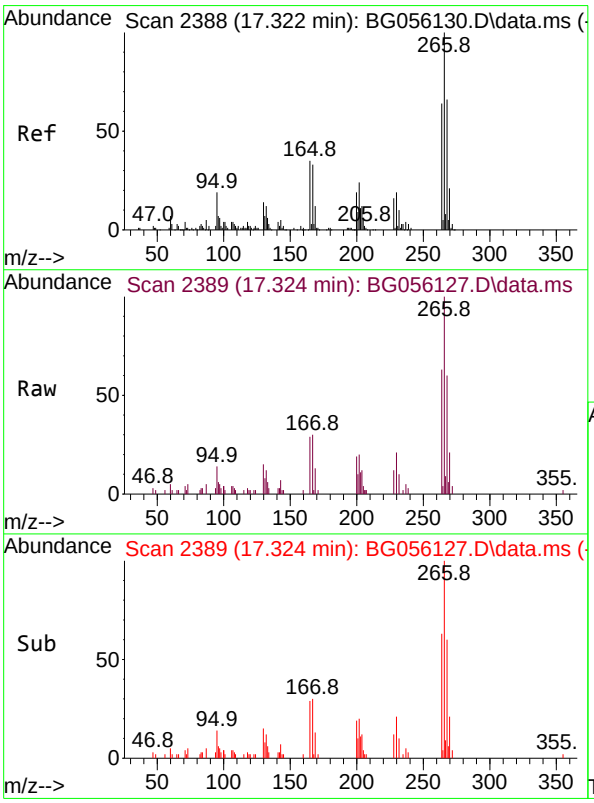
Ion	Ratio	Lower	Upper
200	100		
173	21.7	4.0	44.0
215	52.0	29.1	69.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

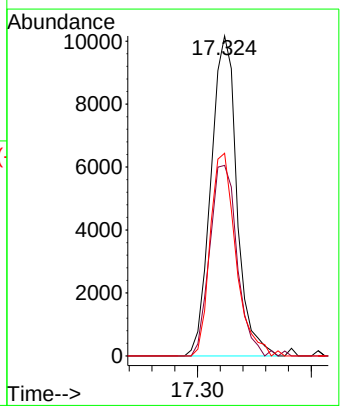


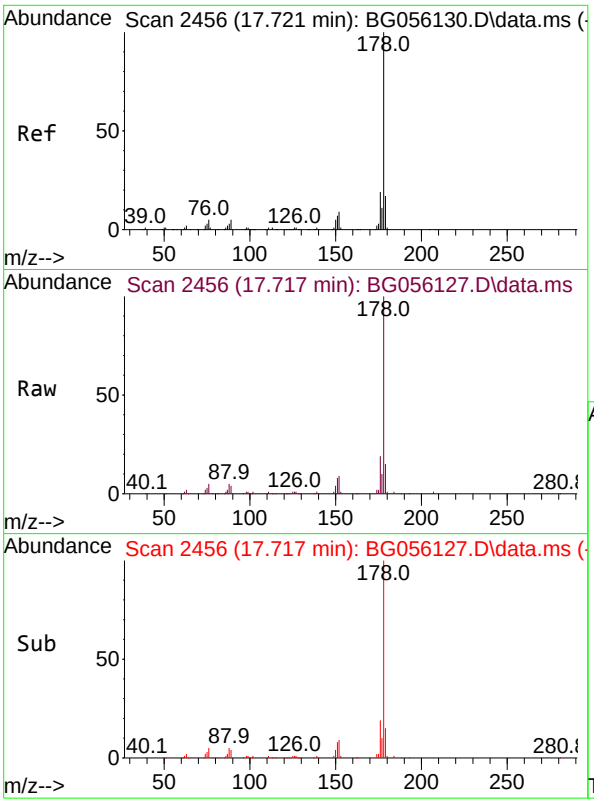


#70
Pentachlorophenol
Concen: 3.896 ng
RT: 17.324 min Scan# 2389
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:266 Resp: 16090

Ion	Ratio	Lower	Upper
266	100		
268	59.5	53.0	79.4
264	67.8	51.4	77.2

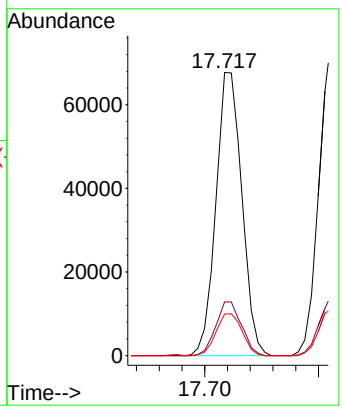




#71
Phenanthrene
Concen: 5.102 ng
RT: 17.717 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:178 Resp: 10701

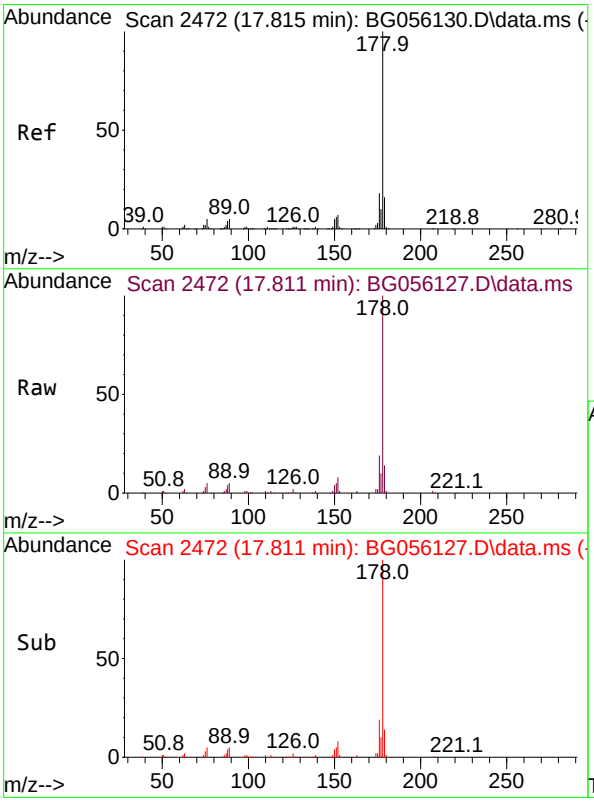
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	14.7	13.6	20.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

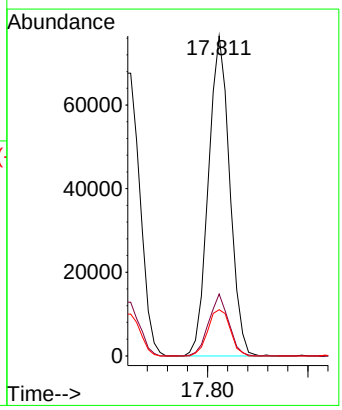
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

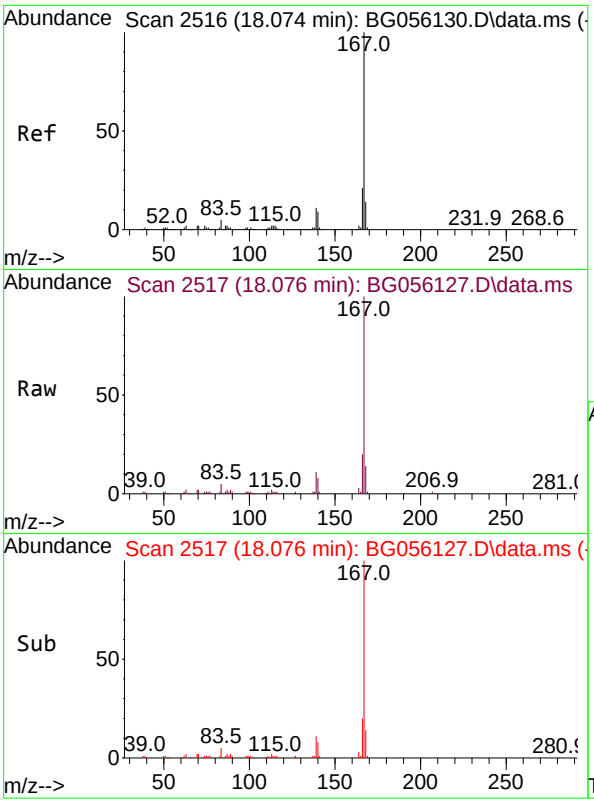


#72
Anthracene
Concen: 5.430 ng
RT: 17.811 min Scan# 2472
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:178 Resp: 112676

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.6	22.0
179	14.4	12.7	19.1

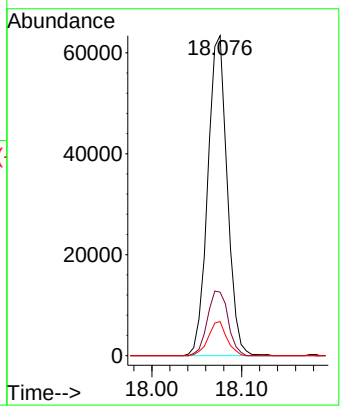




#73
Carbazole
Concen: 5.584 ng
RT: 18.076 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:167 Resp: 9556

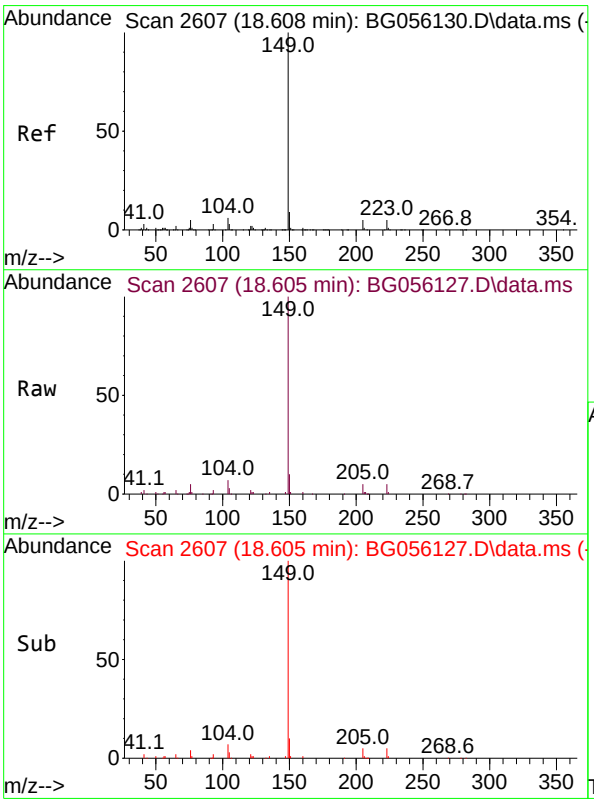
Ion	Ratio	Lower	Upper
167	100		
166	19.8	16.8	25.2
139	10.7	8.9	13.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

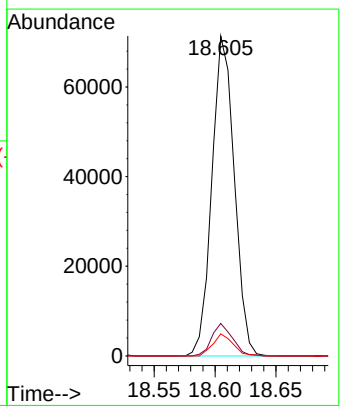
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

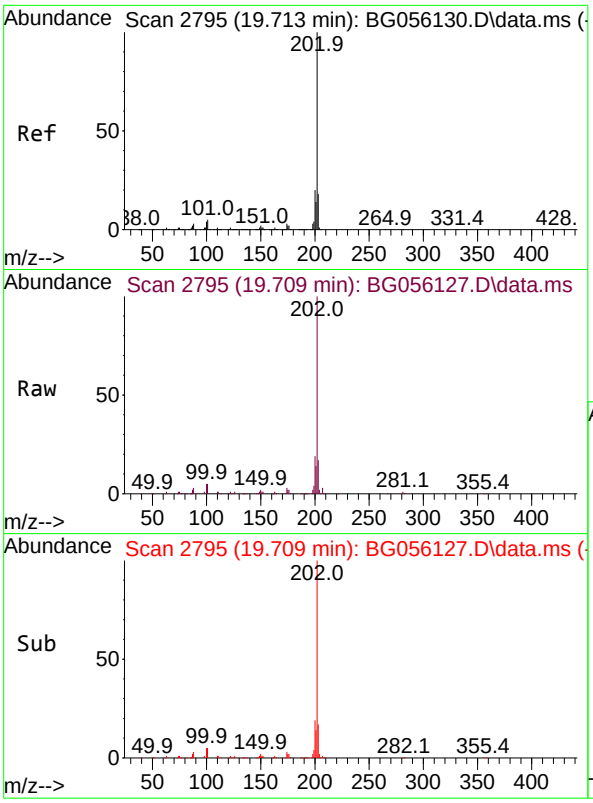


#74
Di-n-butylphthalate
Concen: 4.592 ng
RT: 18.605 min Scan# 2607
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:149 Resp: 91401

Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.4	11.2
104	6.9	4.4	6.6#

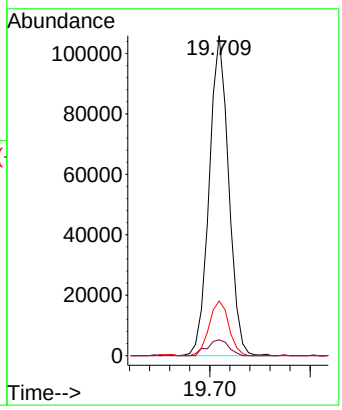




#75
Fluoranthene
Concen: 4.846 ng
RT: 19.709 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:202 Resp: 14232

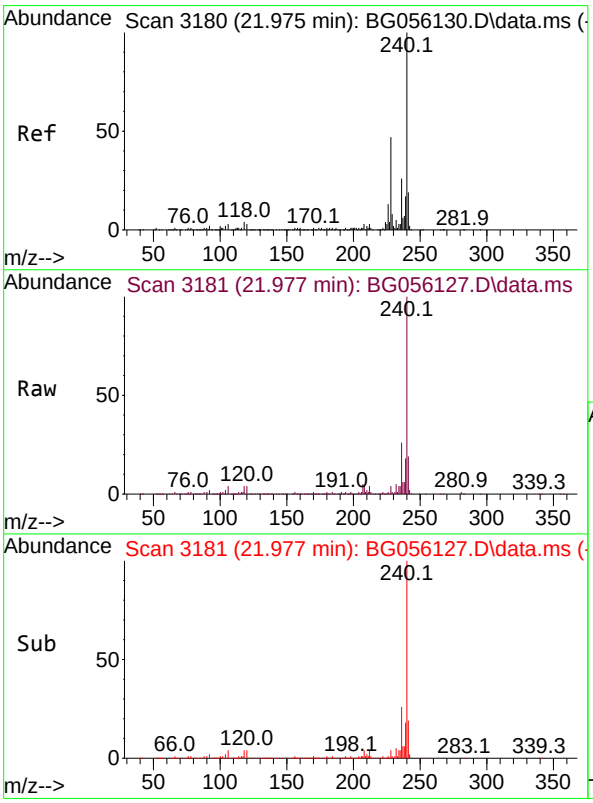
Ion	Ratio	Lower	Upper
202	100		
101	4.9	0.0	25.0
203	17.0	0.0	38.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

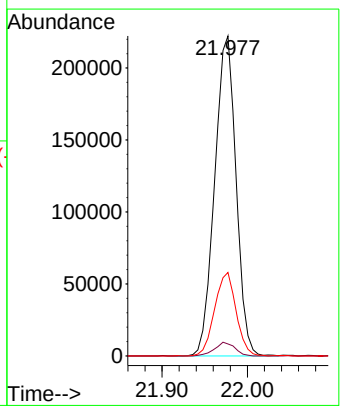
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

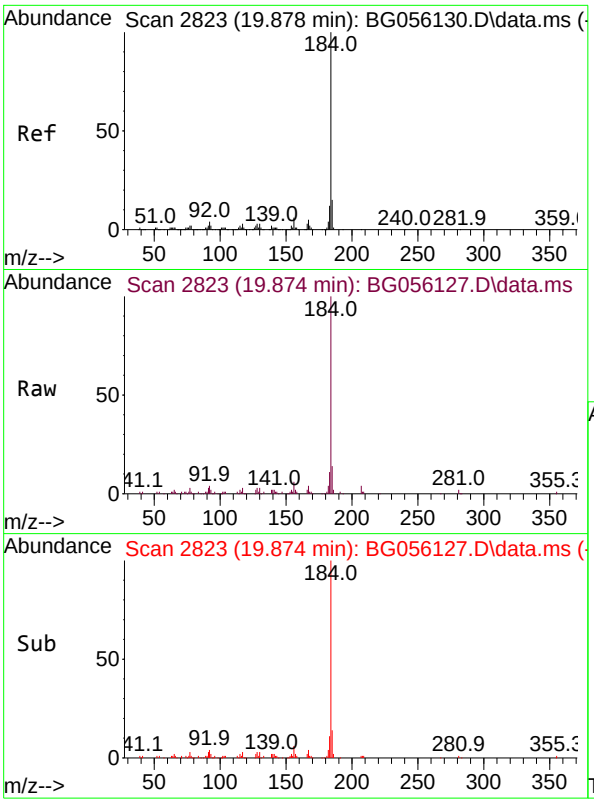


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.977 min Scan# 3181
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:240 Resp: 386697

Ion	Ratio	Lower	Upper
240	100		
120	3.7	2.6	4.0
236	26.1	20.8	31.2

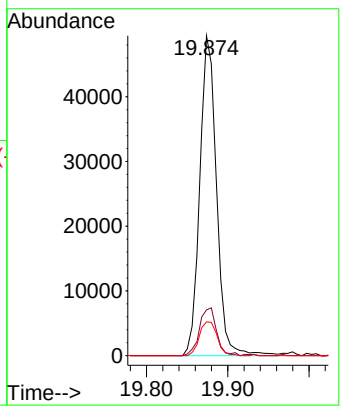




#77
Benzidine
Concen: 10.405 ng
RT: 19.874 min Scan# 28
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:184 Resp: 70659

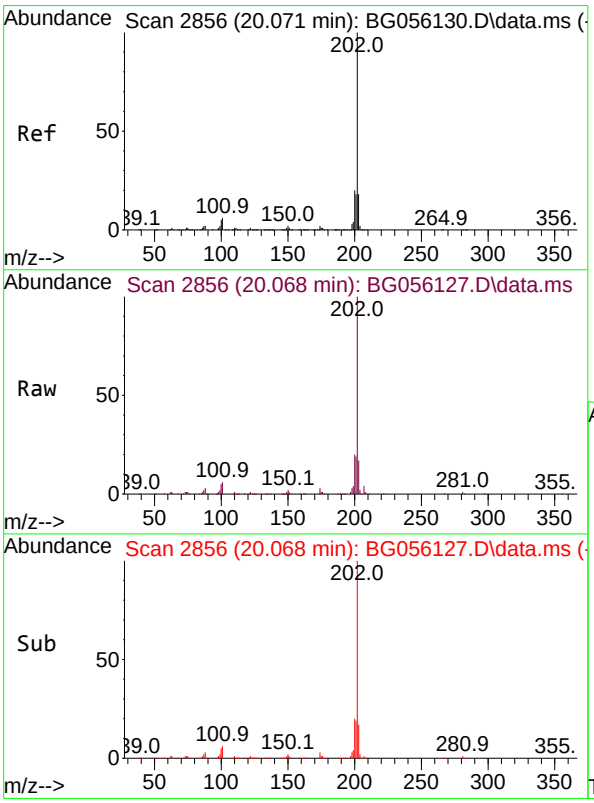
Ion	Ratio	Lower	Upper
184	100		
185	14.3	12.2	18.2
183	10.5	9.4	14.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

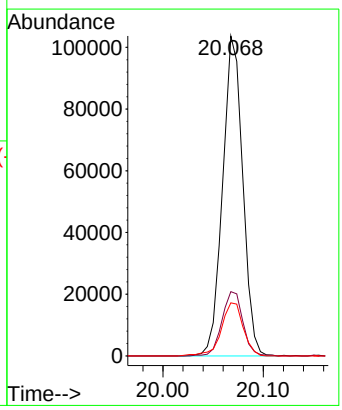
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

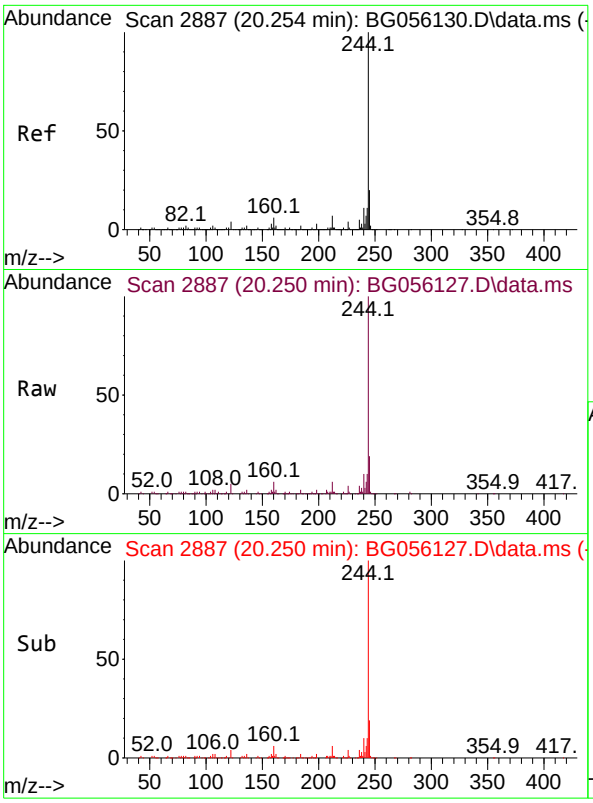


#78
Pyrene
Concen: 6.184 ng
RT: 20.068 min Scan# 2856
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:202 Resp: 144698

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.4	24.6
203	16.6	14.3	21.5

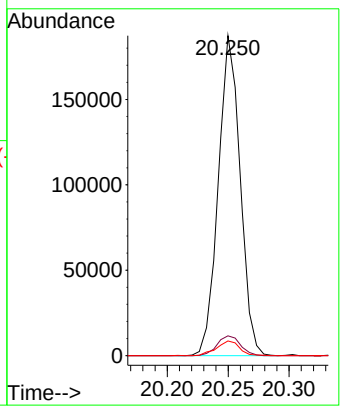




#79
Terphenyl-d14
Concen: 10.680 ng
RT: 20.250 min Scan# 28
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:244 Resp: 233668

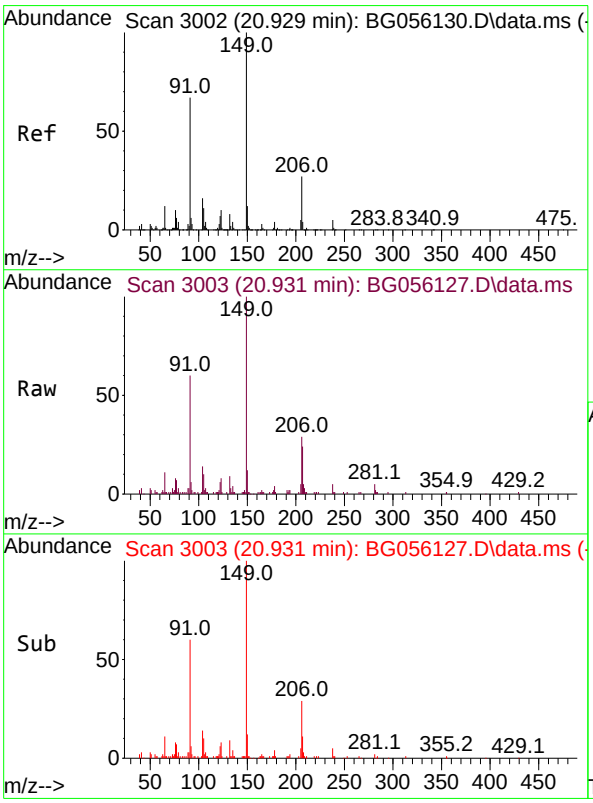
Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.7	8.5
122	4.6	3.5	5.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

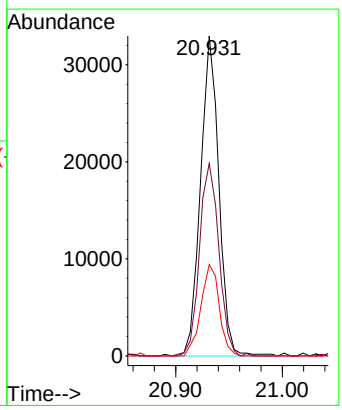
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

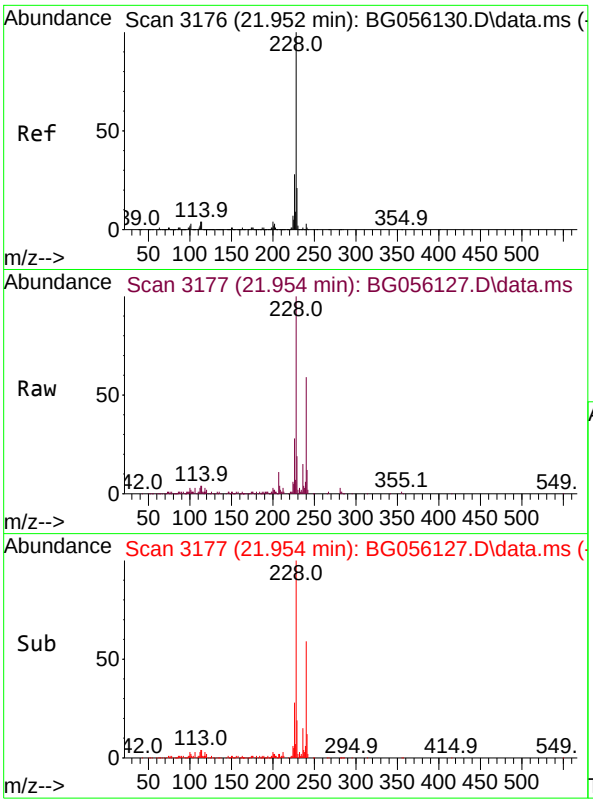


#80
Butylbenzylphthalate
Concen: 5.914 ng
RT: 20.931 min Scan# 3003
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:149 Resp: 39215

Ion	Ratio	Lower	Upper
149	100		
91	60.2	53.5	80.3
206	28.5	21.9	32.9

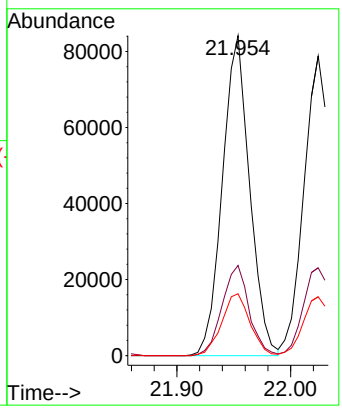




#81
Benzo(a)anthracene
Concen: 5.146 ng
RT: 21.954 min Scan# 31
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:228 Resp: 14003

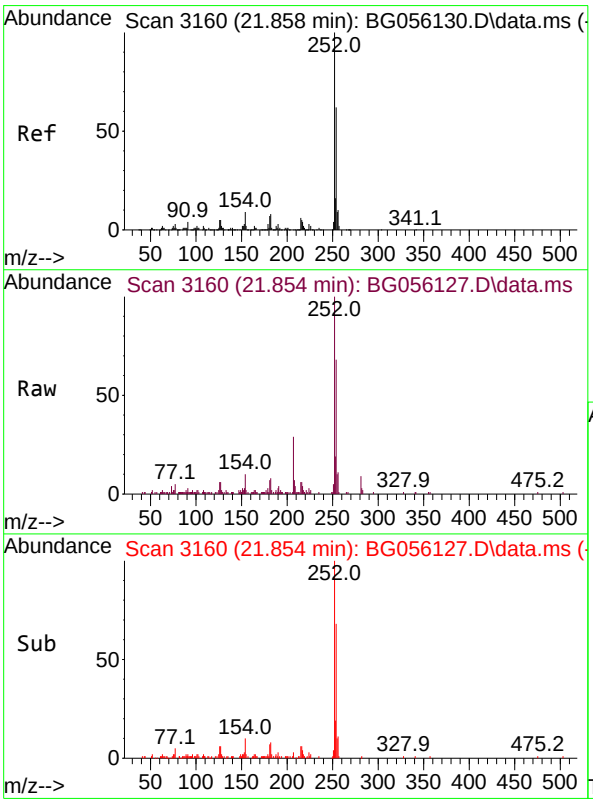
Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	34.0
229	19.3	16.9	25.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

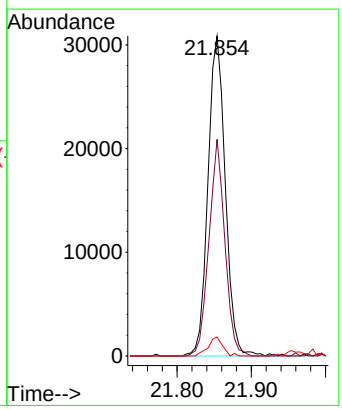
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

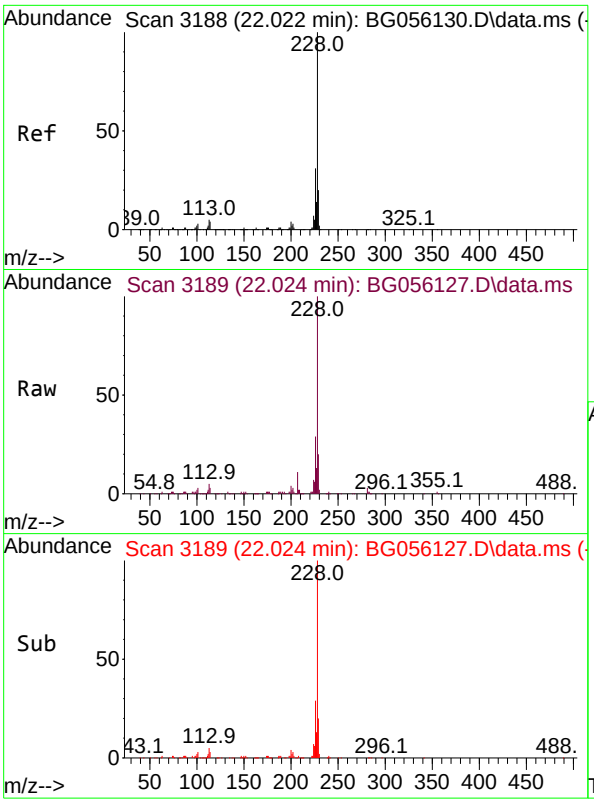


#82
3,3'-Dichlorobenzidine
Concen: 5.102 ng
RT: 21.854 min Scan# 3160
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:252 Resp: 49950

Ion	Ratio	Lower	Upper
252	100		
254	67.7	49.5	74.3
126	5.9	4.0	6.0

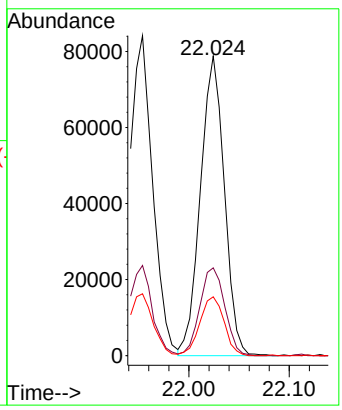




#83
Chrysene
Concen: 5.119 ng
RT: 22.024 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:228 Resp: 13055

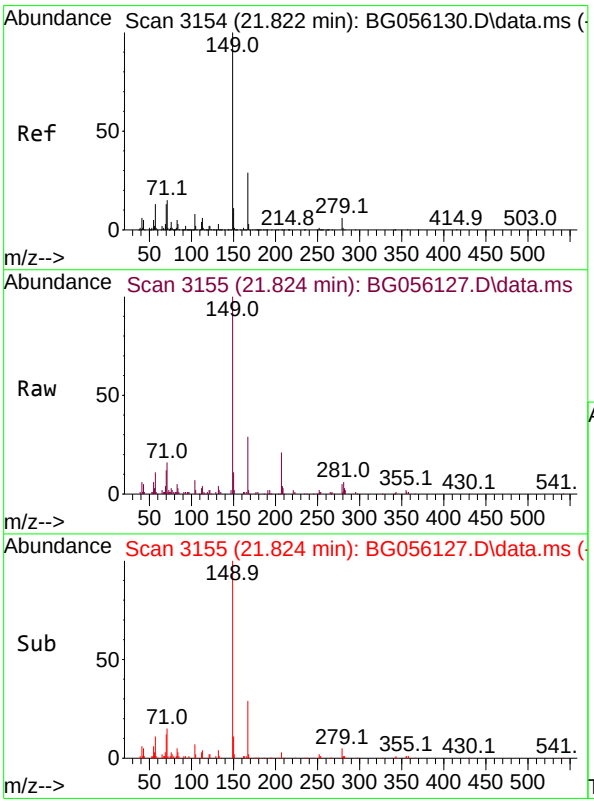
Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.6	36.8
229	19.7	15.8	23.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

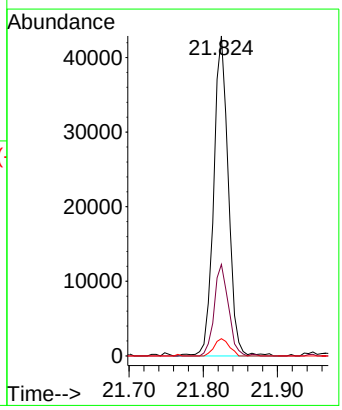
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

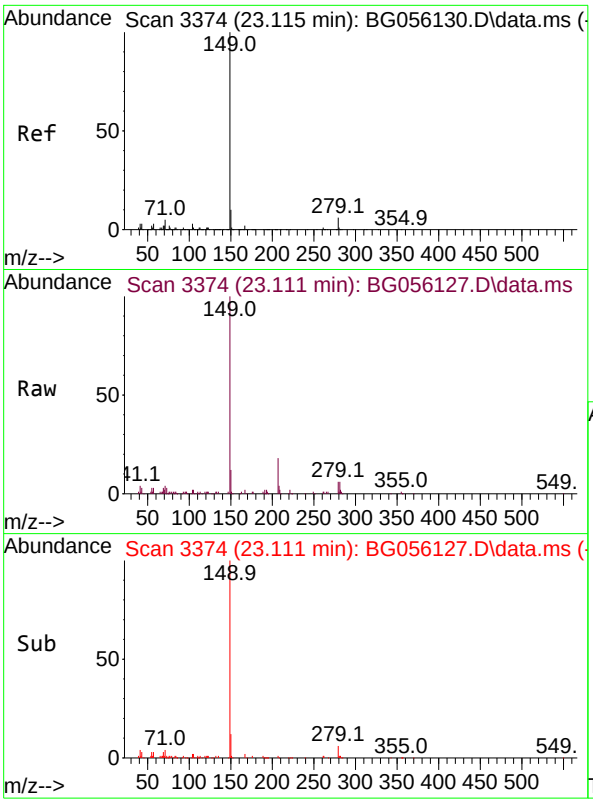


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.967 ng
RT: 21.824 min Scan# 3155
Delta R.T. 0.002 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:149 Resp: 58785

Ion	Ratio	Lower	Upper
149	100		
167	28.6	23.4	35.2
279	5.4	4.7	7.1

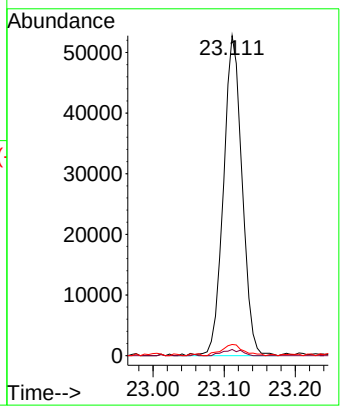




#85
Di-n-octyl phthalate
Concen: 5.751 ng
RT: 23.111 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:149 Resp: 9609

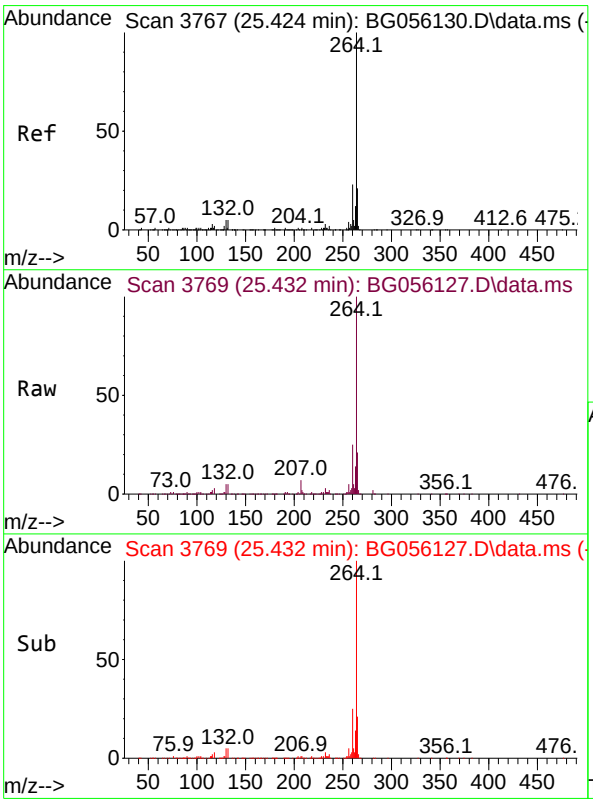
Ion	Ratio	Lower	Upper
149	100		
167	2.0	1.4	2.2
43	4.1	2.9	4.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

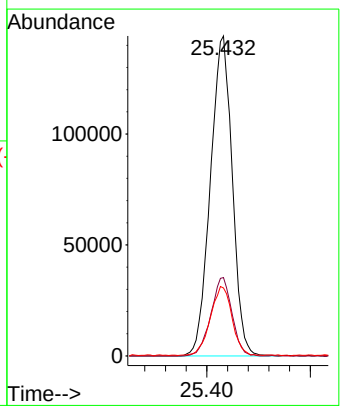
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

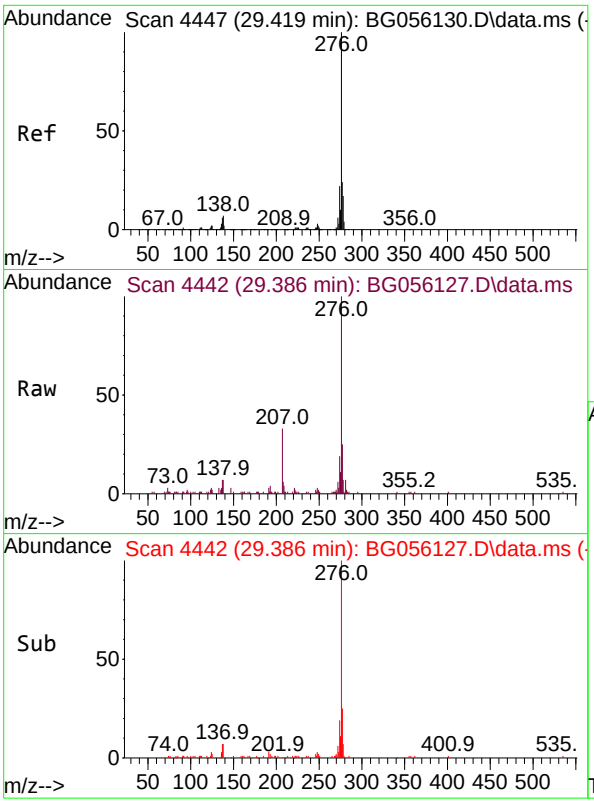


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.432 min Scan# 3769
Delta R.T. 0.008 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:264 Resp: 423911

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.6	28.0
265	21.2	16.7	25.1

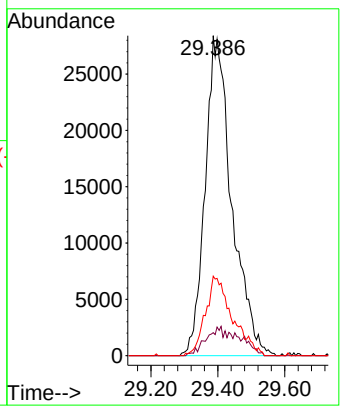




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.607 ng
RT: 29.386 min Scan# 44
Delta R.T. -0.033 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:276 Resp: 15705

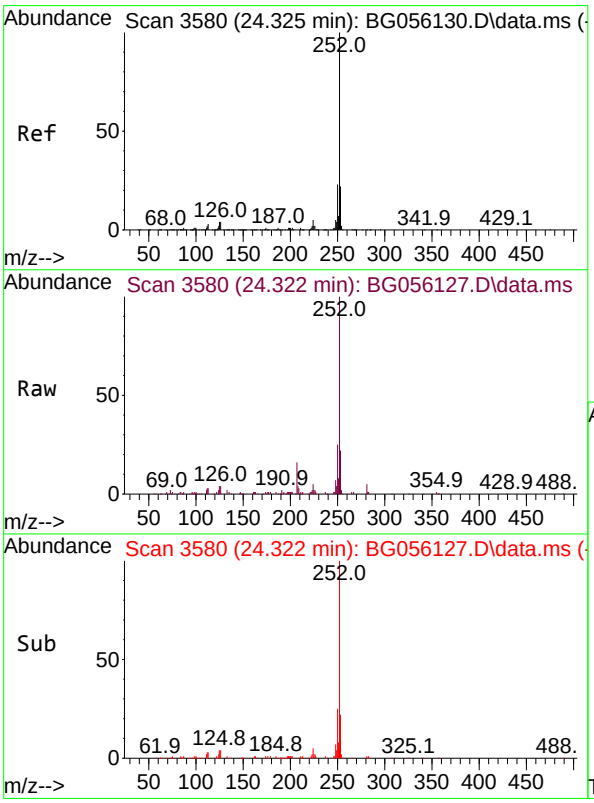
Ion	Ratio	Lower	Upper
276	100		
138	0.0	5.0	7.4
277	25.1	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

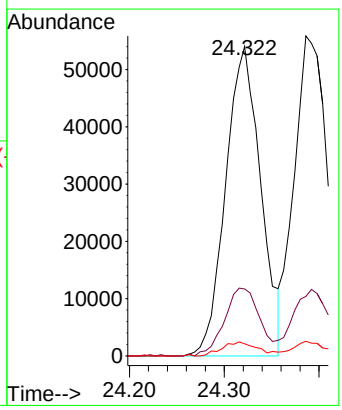
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

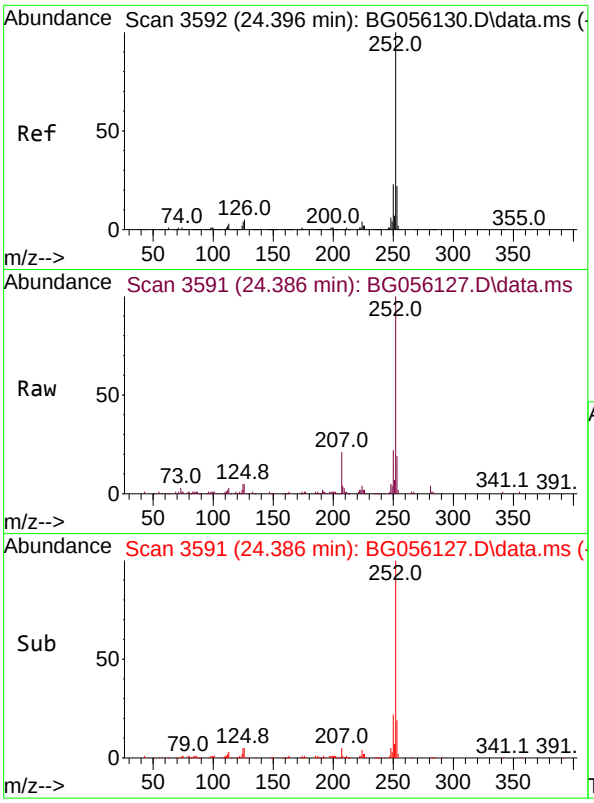


#88
Benzo(b)fluoranthene
Concen: 5.061 ng
RT: 24.322 min Scan# 3580
Delta R.T. -0.004 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:252 Resp: 138844

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	3.9	3.0	4.4

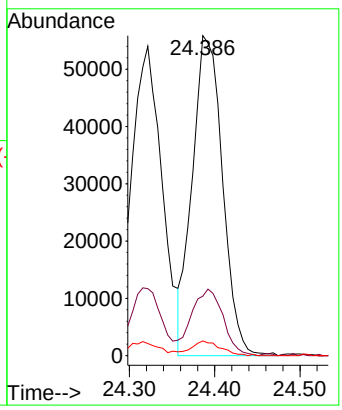




#89
Benzo(k)fluoranthene
Concen: 5.033 ng
RT: 24.386 min Scan# 3
Delta R.T. -0.010 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:252 Resp: 13777

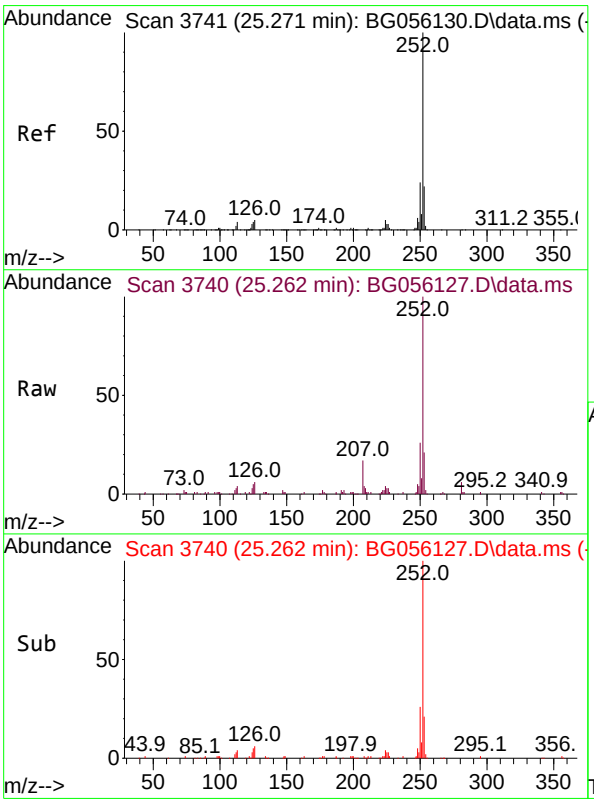
Ion	Ratio	Lower	Upper
252	100		
253	18.6	17.5	26.3
125	4.6	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

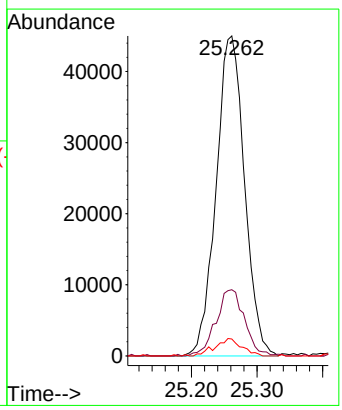
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

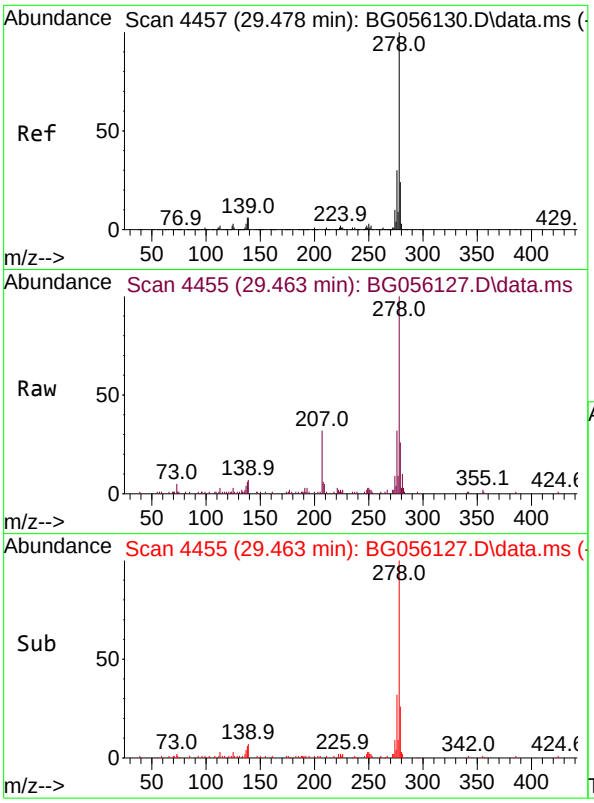


#90
Benzo(a)pyrene
Concen: 5.836 ng
RT: 25.262 min Scan# 3740
Delta R.T. -0.010 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:252 Resp: 135341

Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.4	26.2
125	5.3	3.2	4.8#





#91
Dibenzo(a,h)anthracene
Concen: 4.716 ng
RT: 29.463 min Scan# 44
Delta R.T. -0.016 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

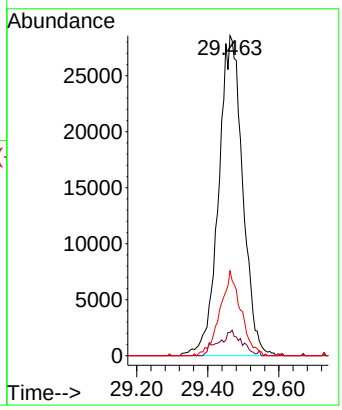
Tgt Ion:278 Resp: 134554

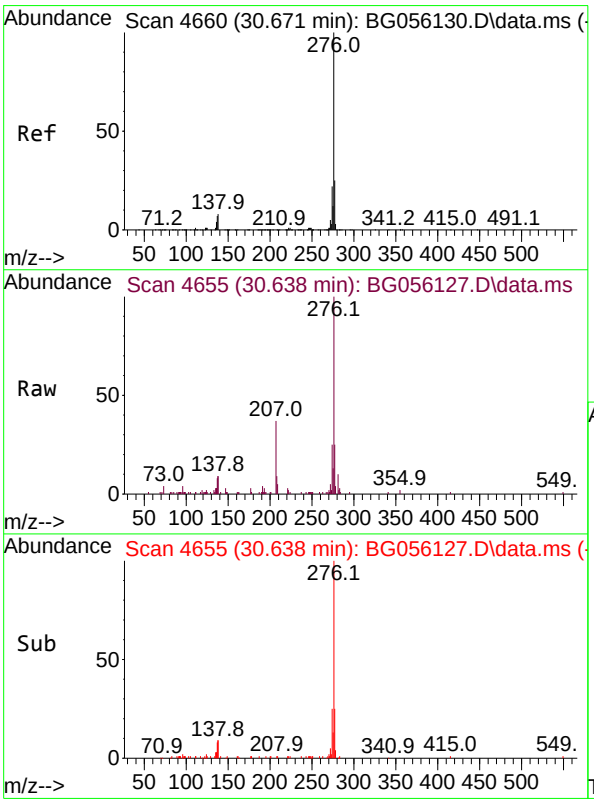
Ion	Ratio	Lower	Upper
278	100		
139	7.2	4.8	7.2#
279	26.4	19.0	28.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

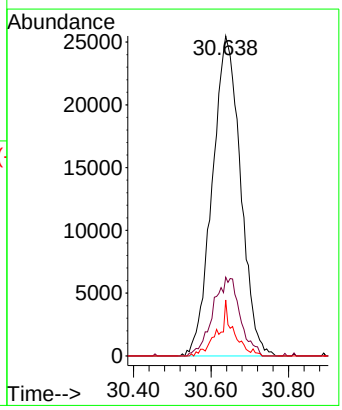




#92
Benzo(g,h,i)perylene
Concen: 4.666 ng
RT: 30.638 min Scan# 4655
Delta R.T. -0.033 min
Lab File: BG056127.D
Acq: 27 Dec 2022 15:36

Tgt Ion:276 Resp: 128711

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.7	29.5
138	17.5	6.7	10.1#



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056128.D
Acq On : 27 Dec 2022 16:17
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 28 04:53:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.336	152	42891	20.000	ng		0.00
21) Naphthalene-d8	11.168	136	167757	20.000	ng	#	0.00
39) Acenaphthene-d10	14.945	164	151521	20.000	ng		0.00
64) Phenanthrene-d10	17.678	188	411709	20.000	ng		0.00
76) Chrysene-d12	21.973	240	400467	20.000	ng		0.00
86) Perylene-d12	25.427	264	440912	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.856	112	50141	27.416	ng		0.00
7) Phenol-d6	7.466	99	74566	31.700	ng		0.00
23) Nitrobenzene-d5	9.505	82	64939	27.051	ng		0.00
42) 2,4,6-Tribromophenol	16.420	330	37767	10.337	ng		0.00
45) 2-Fluorobiphenyl	13.571	172	217093	20.094	ng		0.00
79) Terphenyl-d14	20.251	244	458622	20.240	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.676	88	11850m	22.264	ng		
3) Pyridine	4.099	79	33336	19.032	ng	#	92
4) n-Nitrosodimethylamine	4.005	42	6670	4.236	ng	#	91
6) Aniline	7.648	93	50560	17.953	ng		96
8) 2-Chlorophenol	7.889	128	24107	10.217	ng		93
9) Benzaldehyde	7.460	77	24676	16.704	ng		84
10) Phenol	7.495	94	38773	15.061	ng		99
11) bis(2-Chloroethyl)ether	7.736	93	26768	15.963	ng		90
12) 1,3-Dichlorobenzene	8.224	146	31855	10.437	ng		97
13) 1,4-Dichlorobenzene	8.371	146	30625	9.818	ng		92
14) 1,2-Dichlorobenzene	8.700	146	29252	9.813	ng		98
15) Benzyl Alcohol	8.565	79	26398	10.801	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.847	45	4861m	2.227	ng		
17) 2-Methylphenol	8.759	107	27325	13.490	ng		99
18) Hexachloroethane	9.440	117	9164	9.678	ng		93
19) n-Nitroso-di-n-propyla...	9.135	70	23623	14.011	ng		96
20) 3+4-Methylphenols	9.088	107	37792	13.075	ng		93
22) Acetophenone	9.164	105	48952	11.771	ng	#	97
24) Nitrobenzene	9.546	77	32429	13.421	ng		94
25) Isophorone	10.069	82	70616	14.028	ng		97
26) 2-Nitrophenol	10.269	139	16181	11.312	ng	#	87
27) 2,4-Dimethylphenol	10.310	122	31979	13.312	ng		96
28) bis(2-Chloroethoxy)met...	10.545	93	35824	16.103	ng		96
29) 2,4-Dichlorophenol	10.803	162	32289	9.470	ng		99
30) 1,2,4-Trichlorobenzene	11.027	180	38035	8.581	ng		96
31) Naphthalene	11.220	128	87332	9.866	ng		97
32) Benzoic acid	10.374	122	19692m	10.626	ng		
33) 4-Chloroaniline	11.314	127	41139	10.841	ng		98
34) Hexachlorobutadiene	11.497	225	27372	6.569	ng		94
35) Caprolactam	12.061	113	11316	11.912	ng		98
36) 4-Chloro-3-methylphenol	12.407	107	32248	10.086	ng		98
37) 2-Methylnaphthalene	12.795	142	74947	9.584	ng		95
38) 1-Methylnaphthalene	13.012	142	69133	9.074	ng		94
40) 1,2,4,5-Tetrachloroben...	13.153	216	54500	8.525	ng		99
41) Hexachlorocyclopentadiene	13.136	237	28110	7.751	ng		99
43) 2,4,6-Trichlorophenol	13.383	196	35016	9.253	ng		93

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056128.D
Acq On : 27 Dec 2022 16:17
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

Quant Time: Dec 28 04:53:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.453	196	43189	10.124	ng		95
46) 1,1'-Biphenyl	13.782	154	105921	10.313	ng		97
47) 2-Chloronaphthalene	13.835	162	83754	10.036	ng		95
48) 2-Nitroaniline	14.023	65	17159	12.292	ng		97
49) Acenaphthylene	14.669	152	137004	10.285	ng		96
50) Dimethylphthalate	14.381	163	123025	9.391	ng		99
51) 2,6-Dinitrotoluene	14.505	165	25939	12.796	ng		94
52) Acenaphthene	15.010	154	85336	9.543	ng		93
53) 3-Nitroaniline	14.834	138	23334	11.316	ng	#	76
54) 2,4-Dinitrophenol	15.039	184	17349	11.512	ng	#	85
55) Dibenzofuran	15.339	168	146888	9.768	ng		94
56) 4-Nitrophenol	15.122	139	18218	11.025	ng		98
57) 2,4-Dinitrotoluene	15.286	165	34942	11.419	ng		89
58) Fluorene	15.985	166	120341	9.790	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.557	232	40204m	8.250	ng		
60) Diethylphthalate	15.727	149	115070	8.987	ng		98
61) 4-Chlorophenyl-phenyle...	15.968	204	73853	8.819	ng		95
62) 4-Nitroaniline	15.985	138	25481	11.347	ng		88
63) Azobenzene	16.262	77	90864	11.659	ng		96
65) 4,6-Dinitro-2-methylph...	16.044	198	24763	12.591	ng		96
66) n-Nitrosodiphenylamine	16.179	169	112233	10.403	ng		95
67) 4-Bromophenyl-phenylether	16.861	248	50994	8.453	ng		96
68) Hexachlorobenzene	16.984	284	47192	6.351	ng		98
69) Atrazine	17.108	200	48390	9.906	ng		97
70) Pentachlorophenol	17.325	266	34788	8.189	ng		95
71) Phenanthrene	17.719	178	213851	9.912	ng		96
72) Anthracene	17.813	178	219066	10.263	ng		99
73) Carbazole	18.077	167	185738	10.551	ng		98
74) Di-n-butylphthalate	18.606	149	181879	8.884	ng		100
75) Fluoranthene	19.710	202	281952	9.332	ng		98
77) Benzidine	19.875	184	140168	19.930	ng		99
78) Pyrene	20.069	202	286541	11.825	ng		98
80) Butylbenzylphthalate	20.933	149	77622	11.304	ng		98
81) Benzo(a)anthracene	21.955	228	279946	9.934	ng		97
82) 3,3'-Dichlorobenzidine	21.855	252	99837	9.847	ng		97
83) Chrysene	22.025	228	262534	9.940	ng		98
84) Bis(2-ethylhexyl)phtha...	21.826	149	113450	11.121	ng		98
85) Di-n-octyl phthalate	23.112	149	194744	11.254	ng		100
87) Indeno(1,2,3-cd)pyrene	29.399	276	315023	8.885	ng	#	96
88) Benzo(b)fluoranthene	24.317	252	272349	9.544	ng		98
89) Benzo(k)fluoranthene	24.387	252	283075	9.943	ng		99
90) Benzo(a)pyrene	25.257	252	271843	11.270	ng		98
91) Dibenzo(a,h)anthracene	29.470	278	269355	9.077	ng		97
92) Benzo(g,h,i)perylene	30.645	276	256170	8.928	ng		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

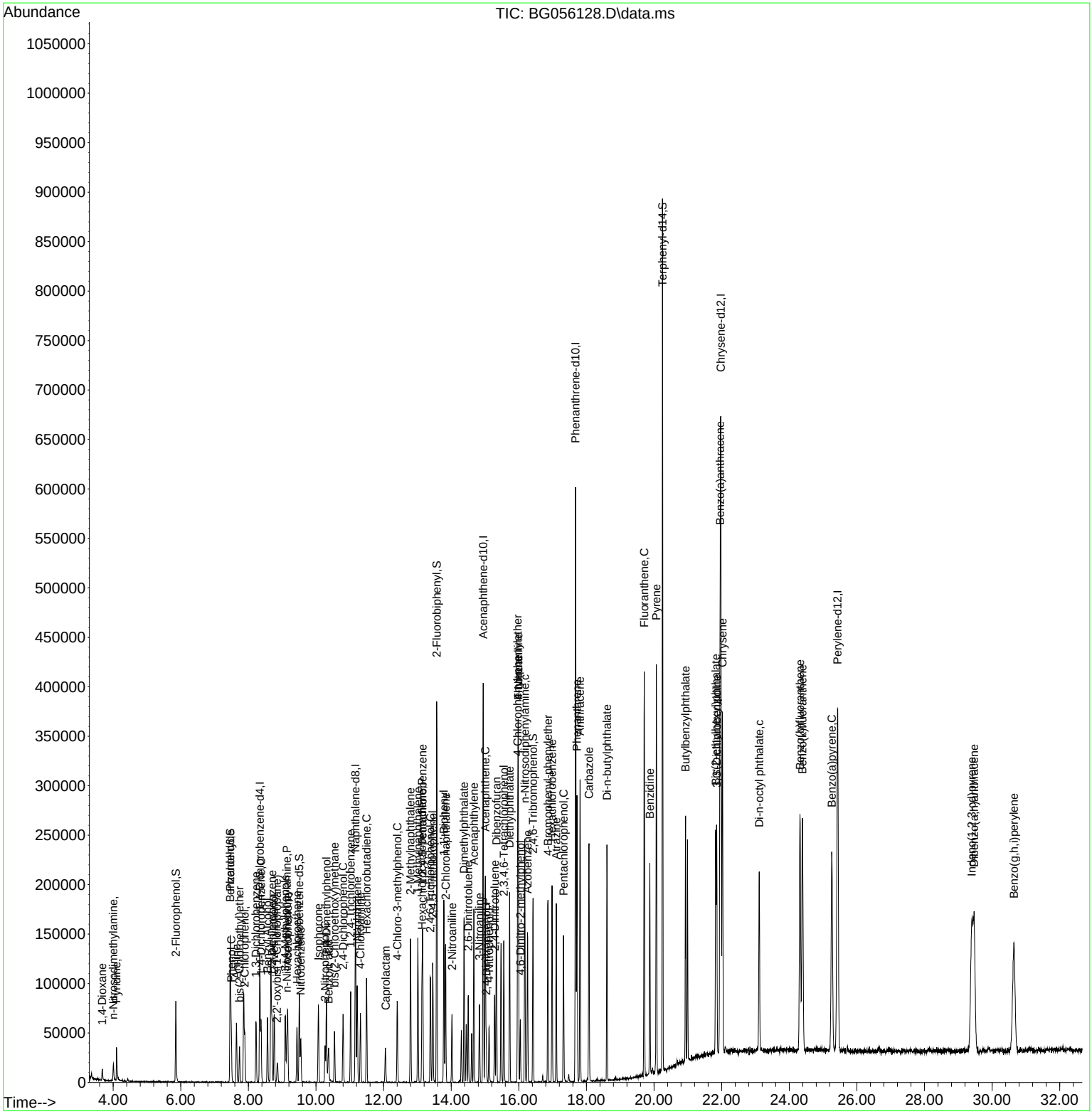
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056128.D
Acq On : 27 Dec 2022 16:17
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

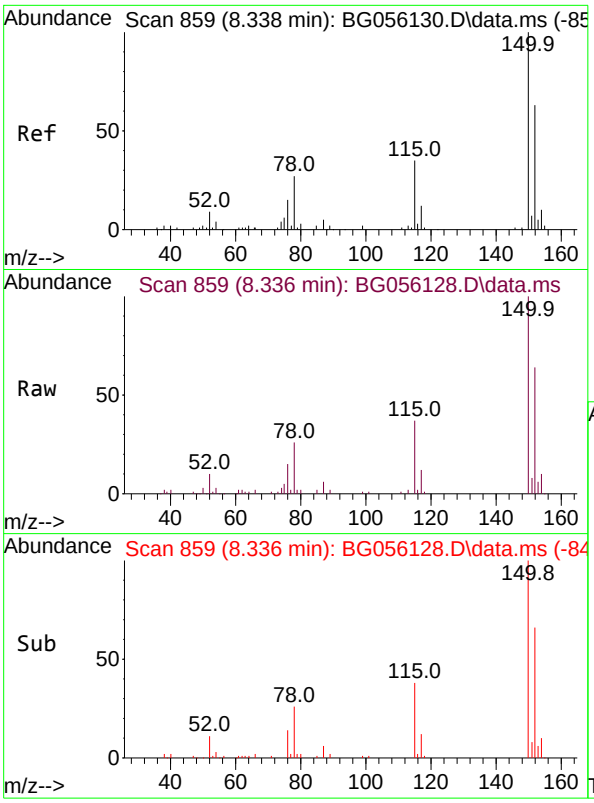
Quant Time: Dec 28 04:53:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

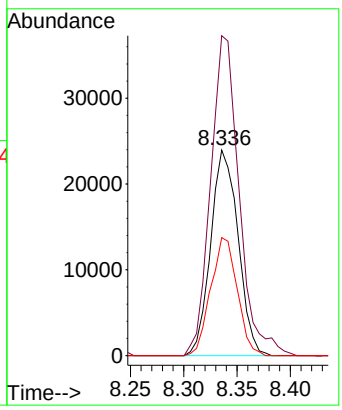




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.336 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:152 Resp: 4289

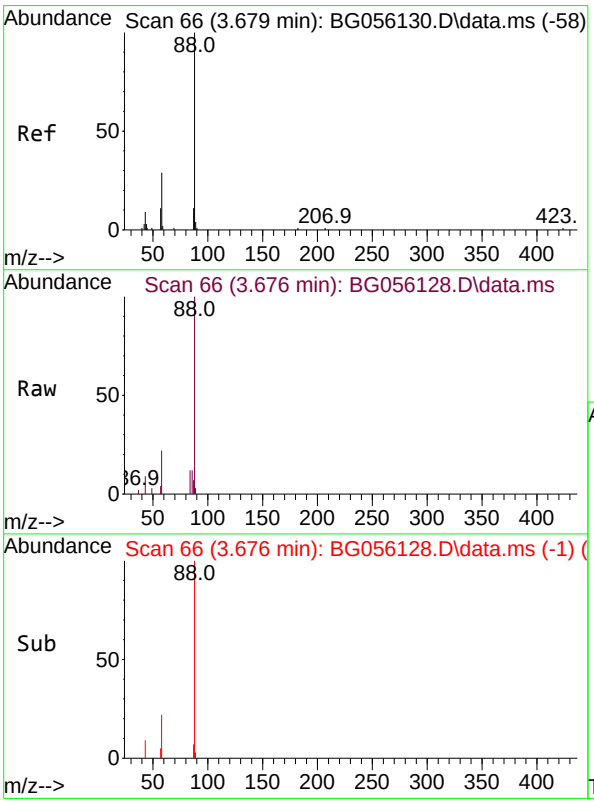
Ion	Ratio	Lower	Upper
152	100		
150	155.6	127.9	191.9
115	57.4	44.2	66.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

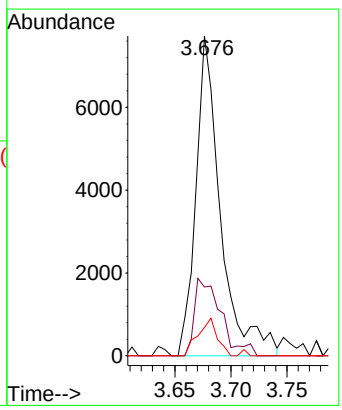
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

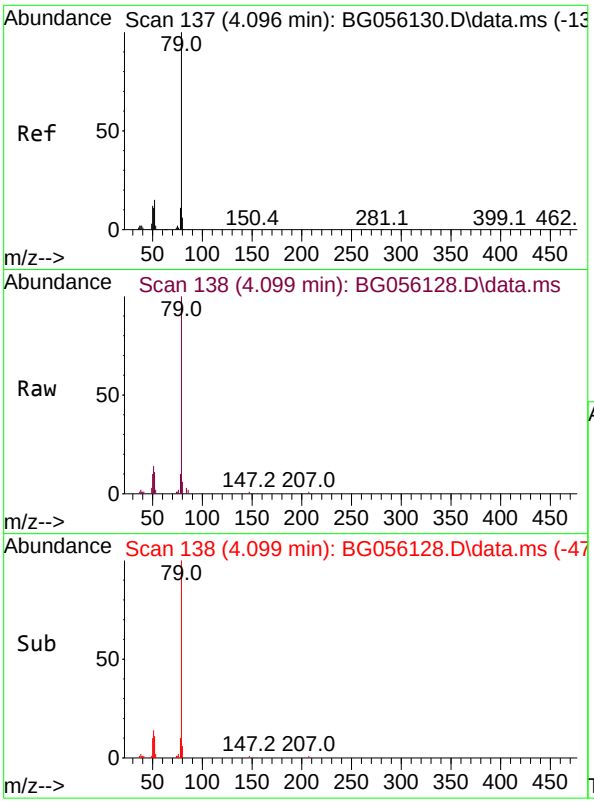


#2
1,4-Dioxane
Concen: 22.264 ng m
RT: 3.676 min Scan# 66
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 88 Resp: 11850

Ion	Ratio	Lower	Upper
88	100		
58	26.0	21.4	32.0
43	9.2	7.1	10.7

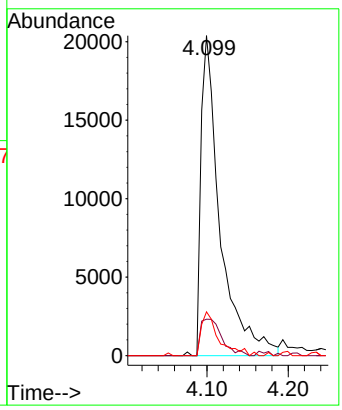




#3
Pyridine
Concen: 19.032 ng
RT: 4.099 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 79 Resp: 3333

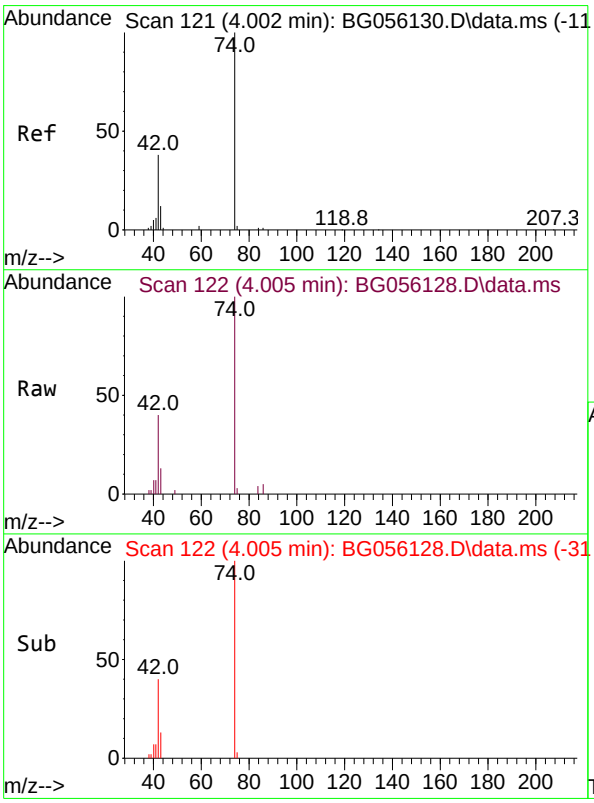
Ion	Ratio	Lower	Upper
79	100		
52	11.4	11.8	17.6#
51	13.7	8.8	13.2#



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

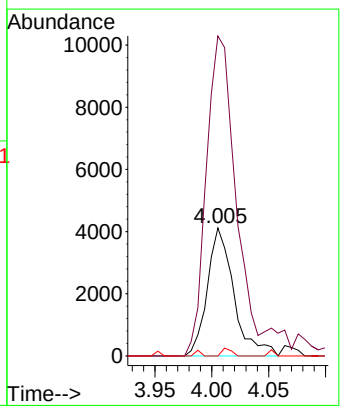
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

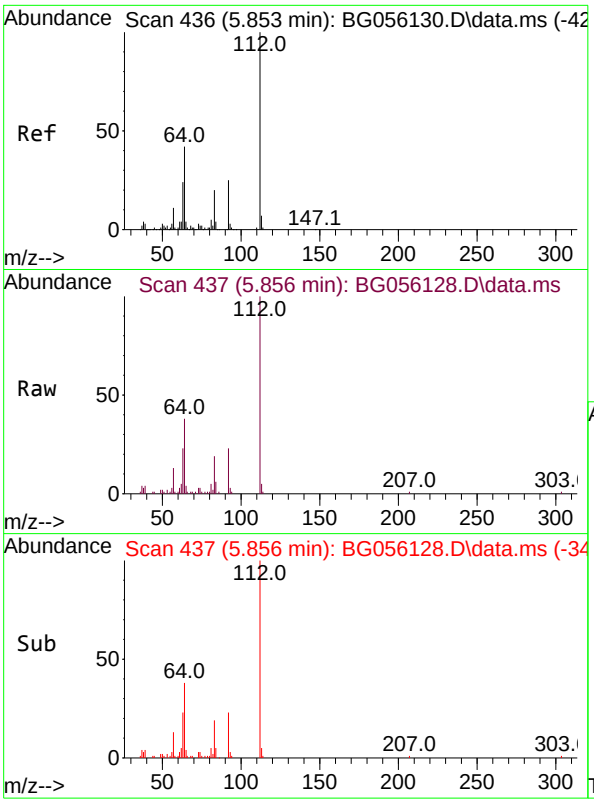


#4
n-Nitrosodimethylamine
Concen: 4.236 ng
RT: 4.005 min Scan# 122
Delta R.T. 0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 42 Resp: 6670

Ion	Ratio	Lower	Upper
42	100		
74	250.3	212.6	319.0
44	0.0	2.6	3.8#





#5
2-Fluorophenol
Concen: 27.416 ng
RT: 5.856 min Scan# 4
Delta R.T. 0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

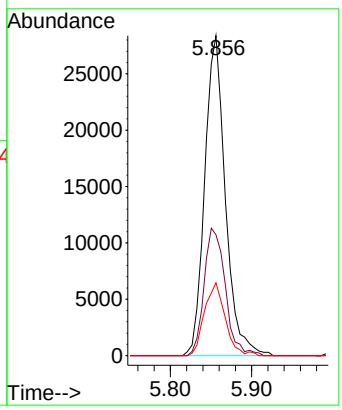
Tgt Ion:112 Resp: 5014

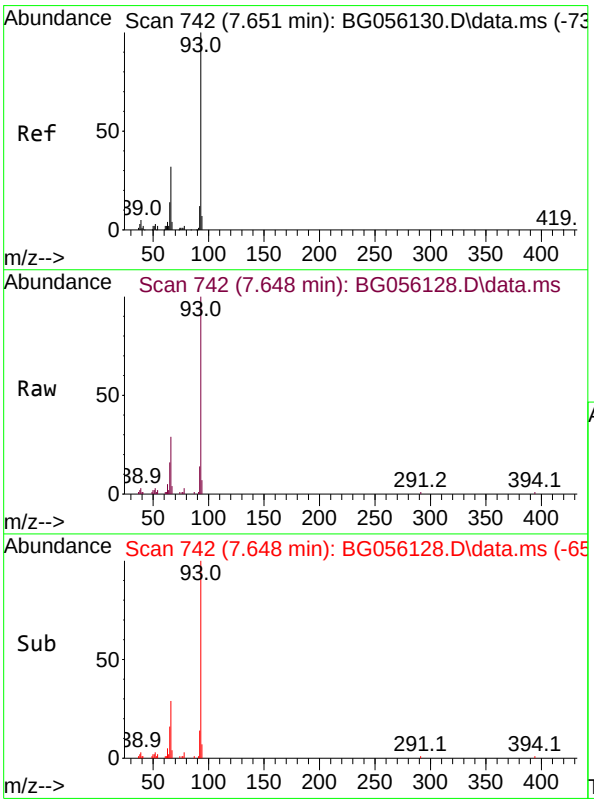
Ion	Ratio	Lower	Upper
112	100		
64	37.8	33.3	49.9
63	22.8	19.0	28.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

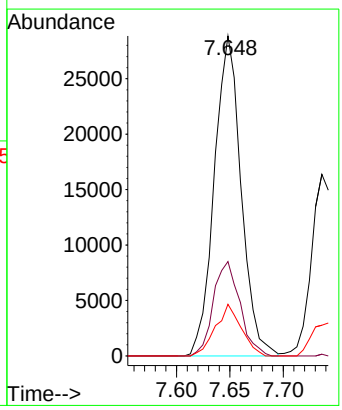


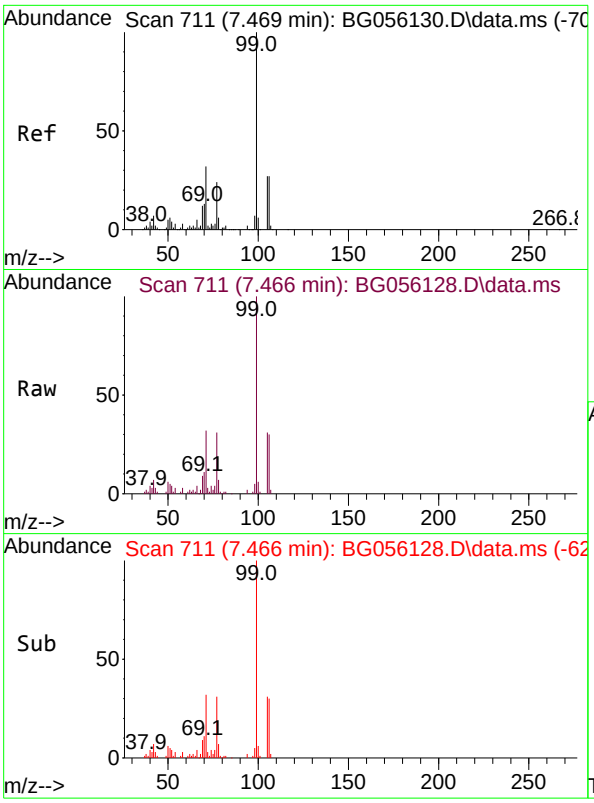


#6
Aniline
Concen: 17.953 ng
RT: 7.648 min Scan# 742
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 93 Resp: 50560

Ion	Ratio	Lower	Upper
93	100		
66	29.5	25.4	38.2
65	16.1	11.4	17.2

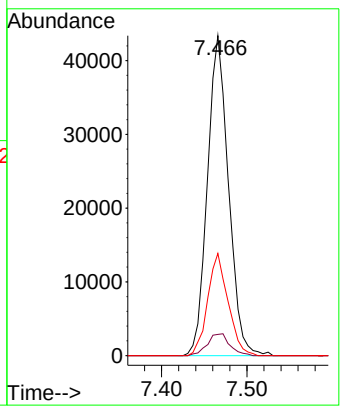




#7
Phenol-d6
Concen: 31.700 ng
RT: 7.466 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 99 Resp: 7456

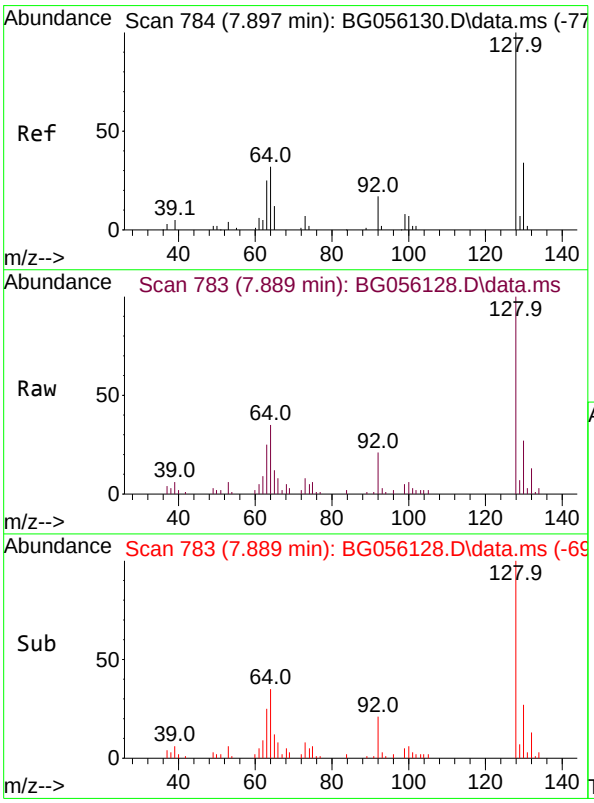
Ion	Ratio	Lower	Upper
99	100		
42	6.6	5.9	8.9
71	31.9	25.4	38.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

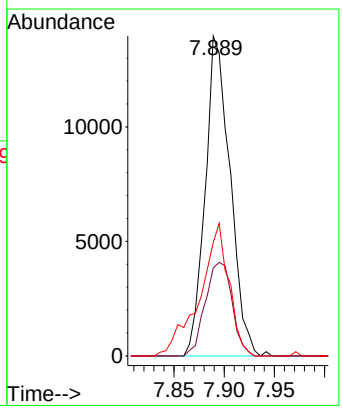
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

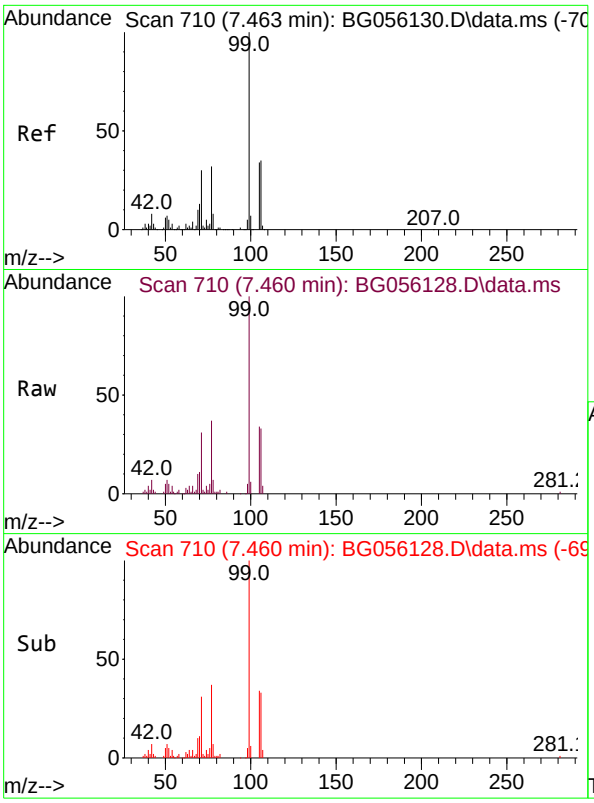


#8
2-Chlorophenol
Concen: 10.217 ng
RT: 7.889 min Scan# 783
Delta R.T. -0.008 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:128 Resp: 24107

Ion	Ratio	Lower	Upper
128	100		
130	27.5	13.5	53.5
64	35.4	18.0	58.0

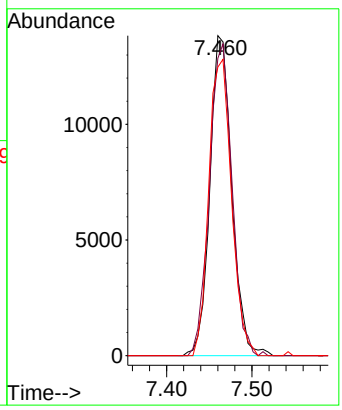




#9
Benzaldehyde
Concen: 16.704 ng
RT: 7.460 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 77 Resp: 2467

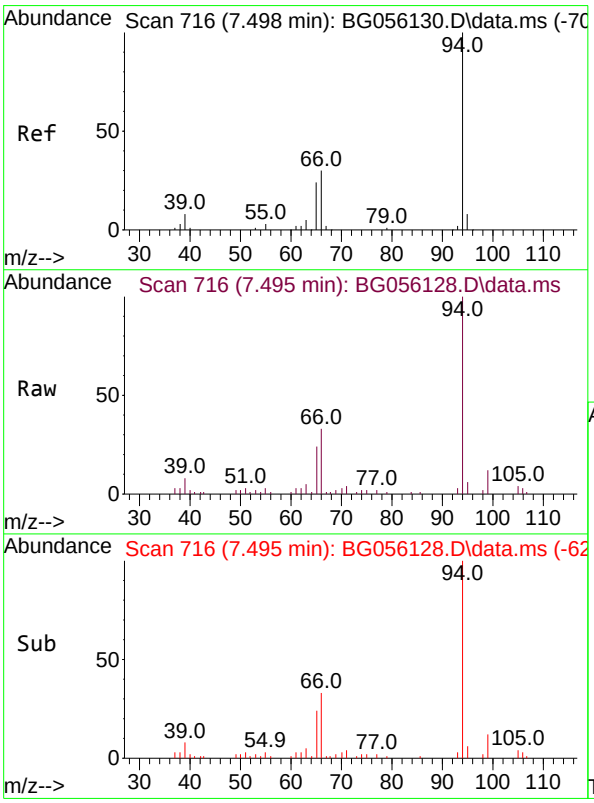
Ion	Ratio	Lower	Upper
77	100		
105	92.9	86.8	126.8
106	90.2	89.3	129.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

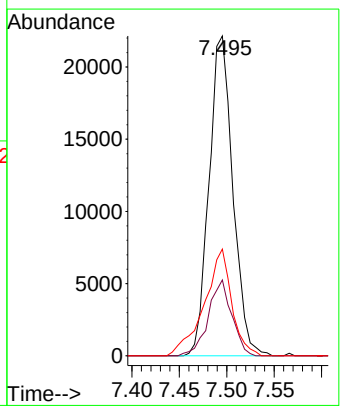
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

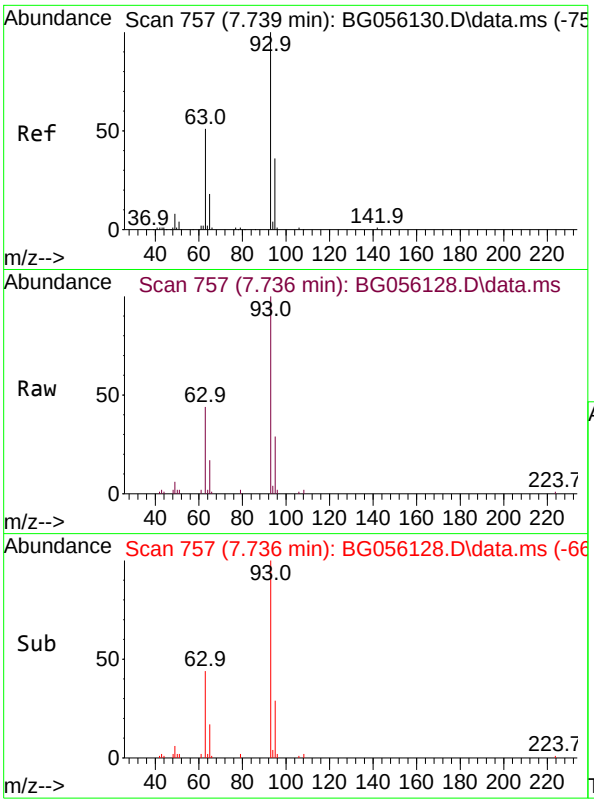


#10
Phenol
Concen: 15.061 ng
RT: 7.495 min Scan# 716
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 94 Resp: 38773

Ion	Ratio	Lower	Upper
94	100		
65	23.7	4.3	44.3
66	33.4	13.2	53.2

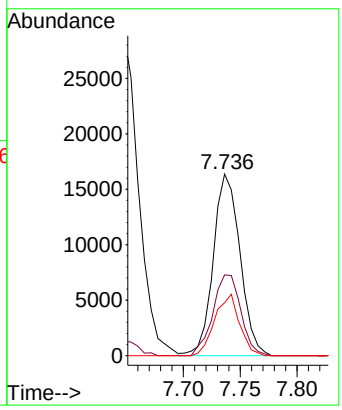




#11
bis(2-Chloroethyl)ether
Concen: 15.963 ng
RT: 7.736 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 93 Resp: 2676

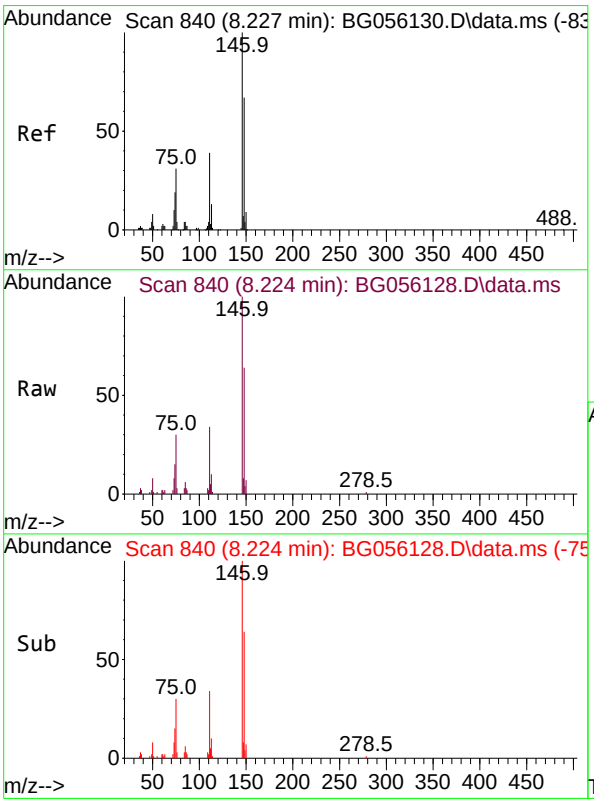
Ion	Ratio	Lower	Upper
93	100		
63	44.5	30.5	70.5
95	29.1	15.9	55.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

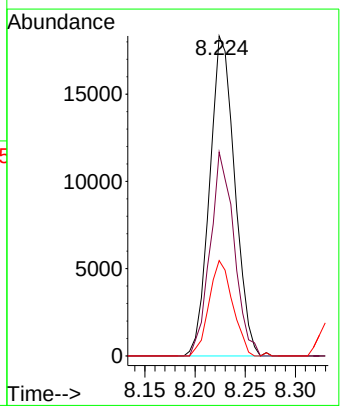
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

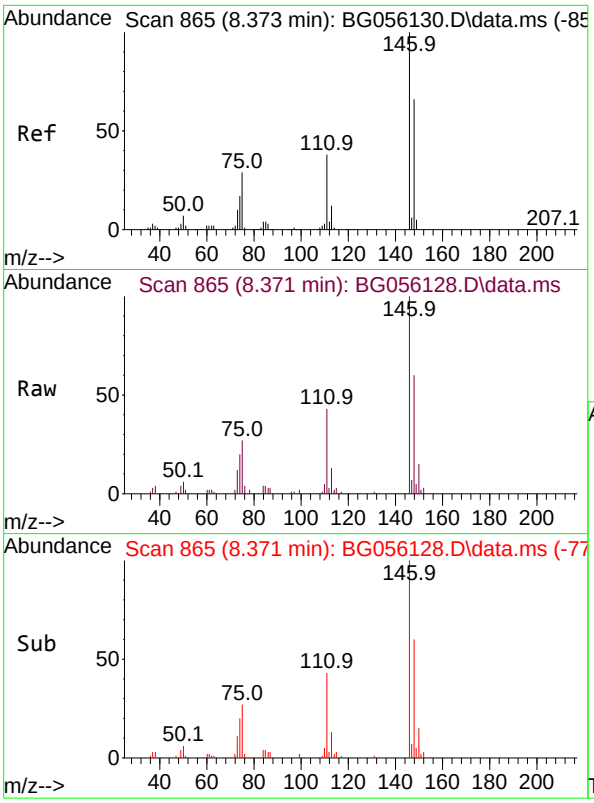


#12
1,3-Dichlorobenzene
Concen: 10.437 ng
RT: 8.224 min Scan# 840
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:146 Resp: 31855

Ion	Ratio	Lower	Upper
146	100		
148	63.7	53.5	80.3
75	29.8	24.8	37.2

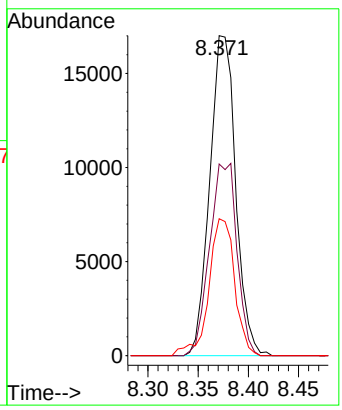




#13
1,4-Dichlorobenzene
Concen: 9.818 ng
RT: 8.371 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:146 Resp: 3062

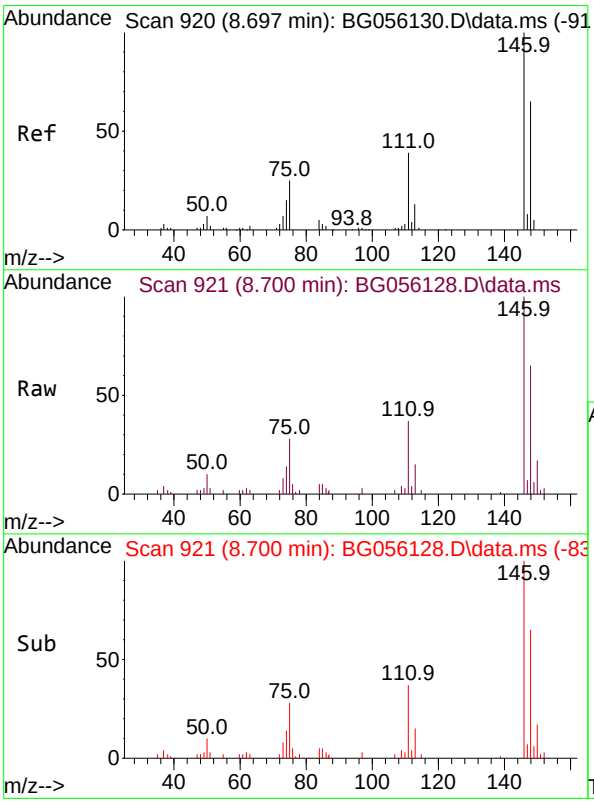
Ion	Ratio	Lower	Upper
146	100		
148	59.9	52.8	79.2
111	42.8	30.5	45.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

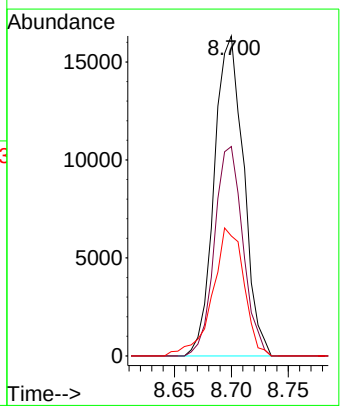
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

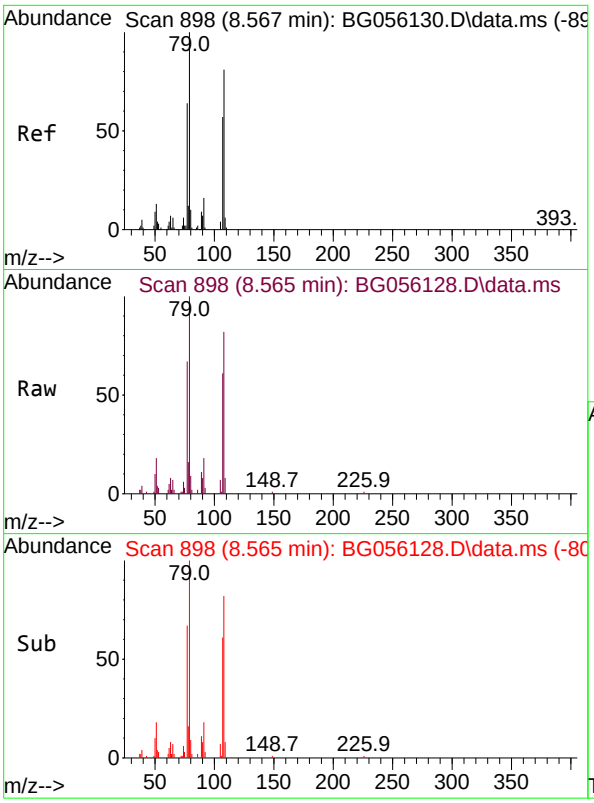


#14
1,2-Dichlorobenzene
Concen: 9.813 ng
RT: 8.700 min Scan# 921
Delta R.T. 0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:146 Resp: 29252

Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.7	77.5
111	37.5	31.5	47.3

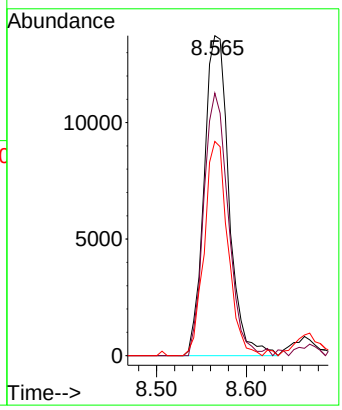




#15
Benzyl Alcohol
Concen: 10.801 ng
RT: 8.565 min Scan# 89
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 79 Resp: 2639

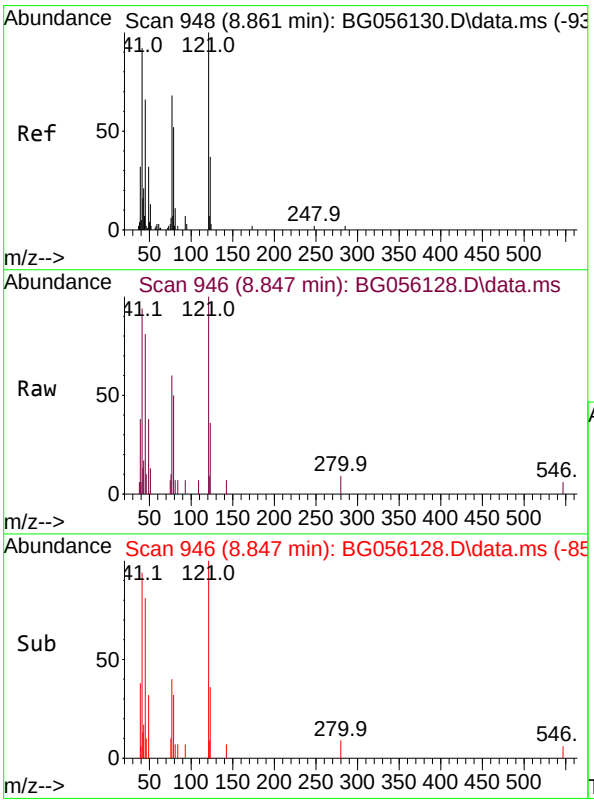
Ion	Ratio	Lower	Upper
79	100		
108	82.0	64.7	97.1
77	66.9	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

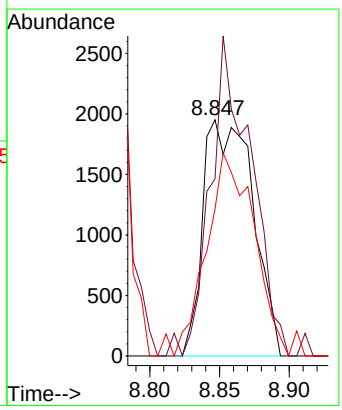
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

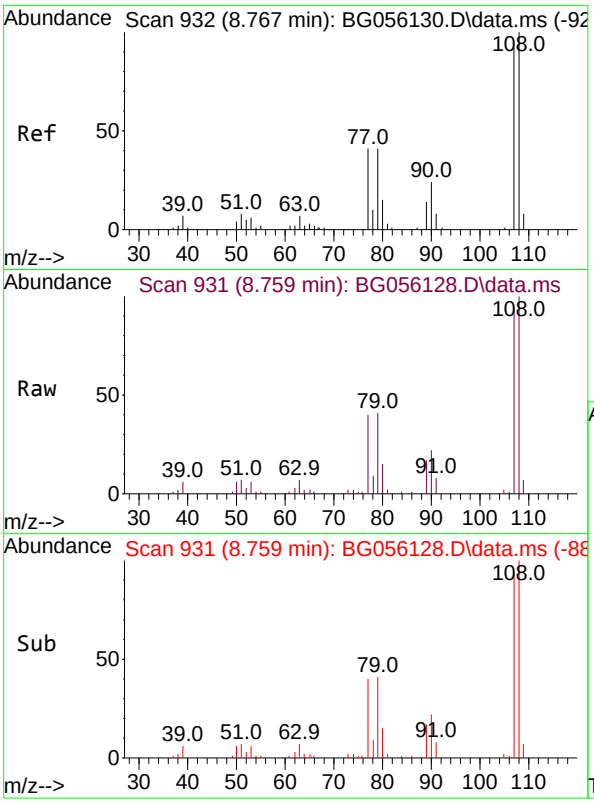


#16
2,2'-oxybis(1-Chloropropane)
Concen: 2.227 ng m
RT: 8.847 min Scan# 946
Delta R.T. -0.014 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 45 Resp: 4861

Ion	Ratio	Lower	Upper
45	100		
77	74.9	88.2	128.2#
79	62.2	61.2	101.2

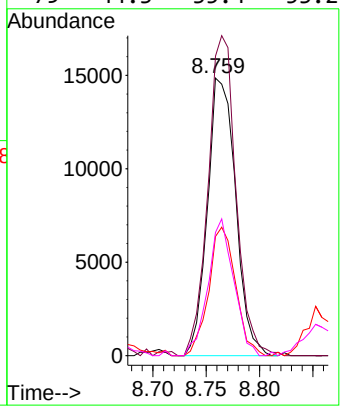




#17
2-Methylphenol
Concen: 13.490 ng
RT: 8.759 min Scan# 9
Delta R.T. -0.008 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:107 Resp: 2732

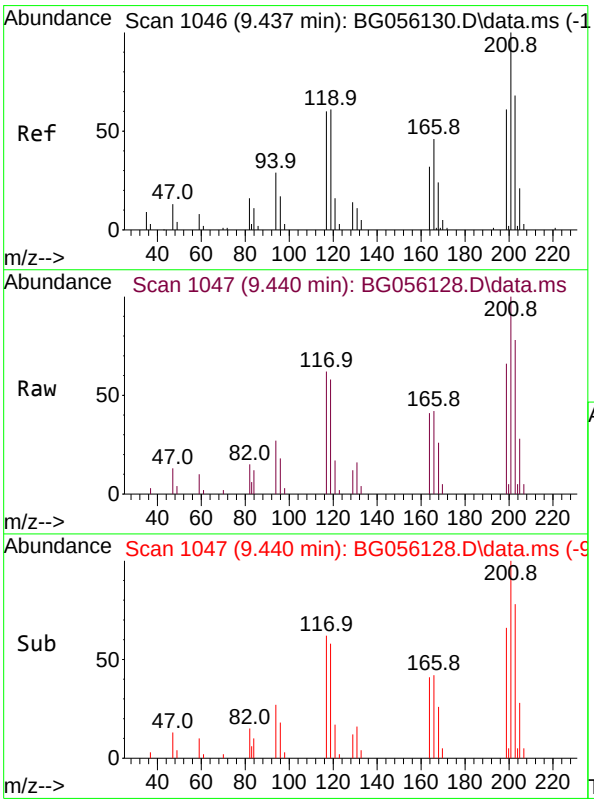
Ion	Ratio	Lower	Upper
107	100		
108	107.9	86.6	129.8
77	42.9	35.4	53.2
79	44.3	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

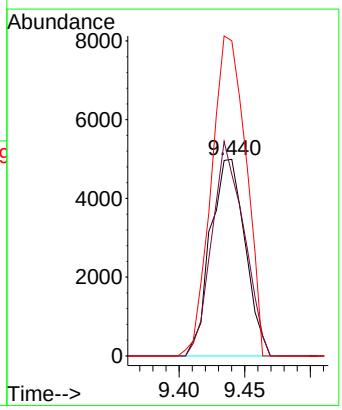
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

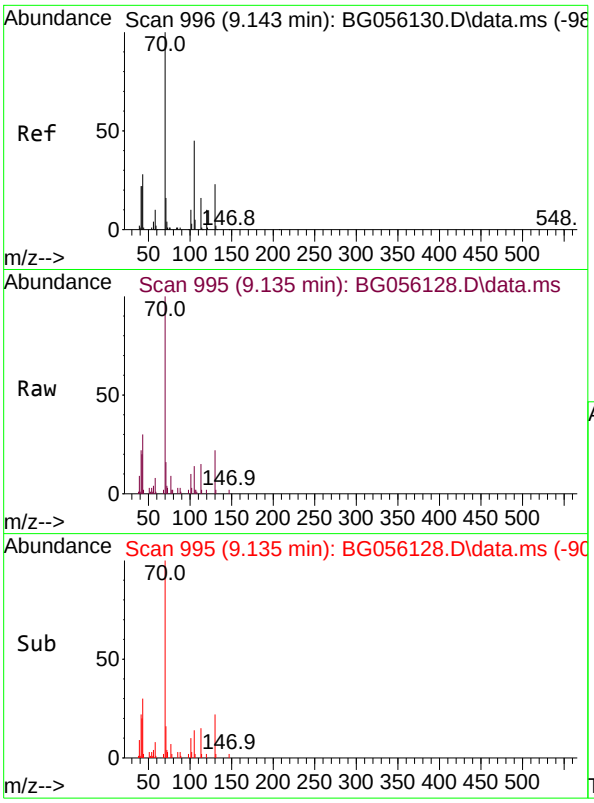


#18
Hexachloroethane
Concen: 9.678 ng
RT: 9.440 min Scan# 1047
Delta R.T. 0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:117 Resp: 9164

Ion	Ratio	Lower	Upper
117	100		
119	92.4	81.8	122.6
201	160.4	134.2	201.2

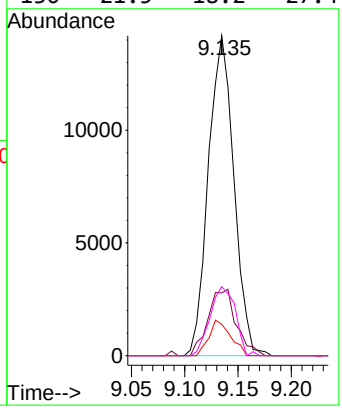




#19
n-Nitroso-di-n-propylamine
Concen: 14.011 ng
RT: 9.135 min Scan# 99
Delta R.T. -0.008 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 70 Resp: 2362

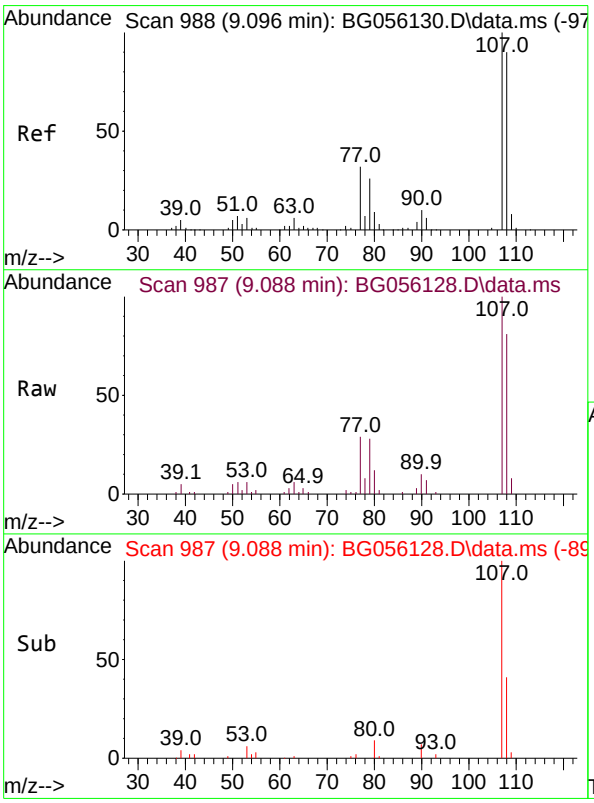
Ion	Ratio	Lower	Upper
70	100		
42	19.6	18.2	27.2
101	9.8	8.3	12.5
130	21.5	18.2	27.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

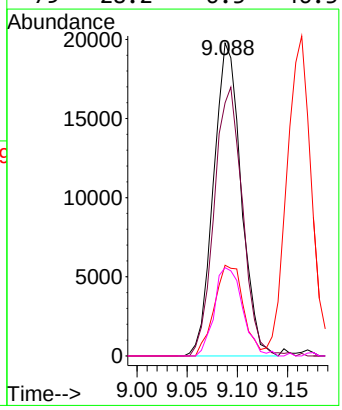
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

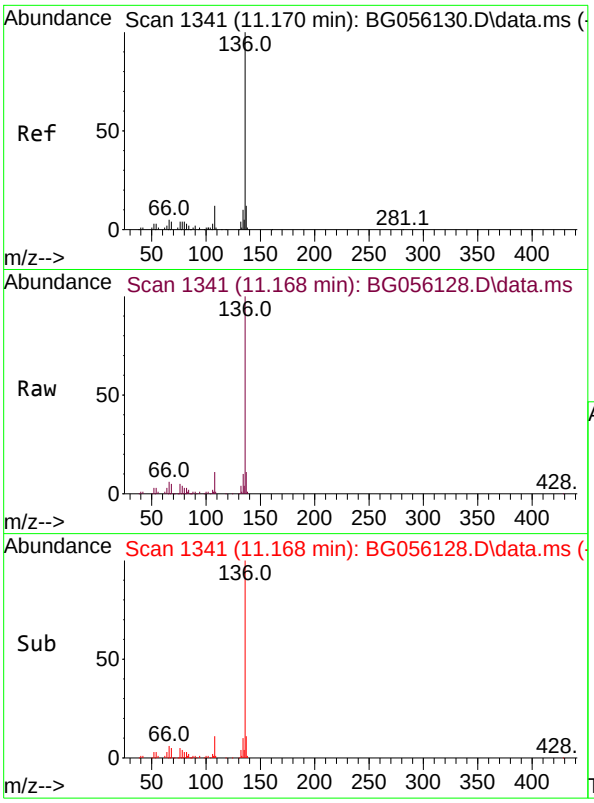


#20
3+4-Methylphenols
Concen: 13.075 ng
RT: 9.088 min Scan# 987
Delta R.T. -0.008 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:107 Resp: 37792

Ion	Ratio	Lower	Upper
107	100		
108	80.9	69.6	109.6
77	29.0	11.7	51.7
79	28.2	6.3	46.3

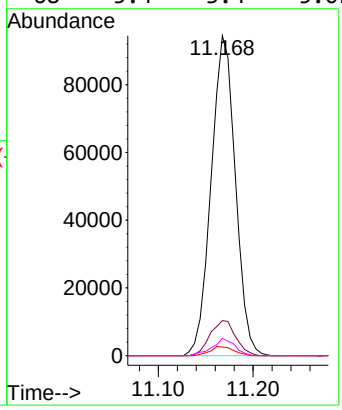




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.168 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:136 Resp: 16775

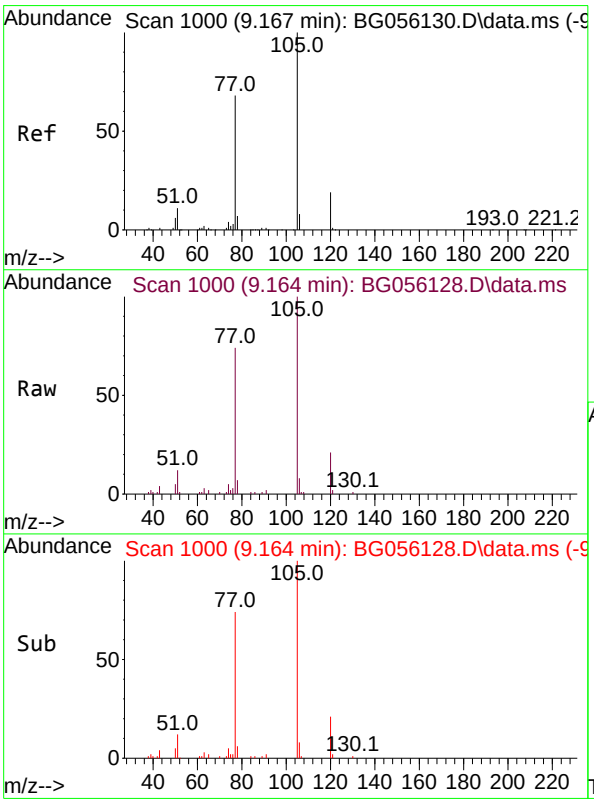
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.4	14.0
54	2.7	2.2	3.2
68	5.4	3.4	5.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

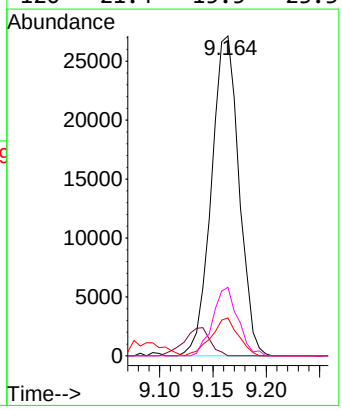
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

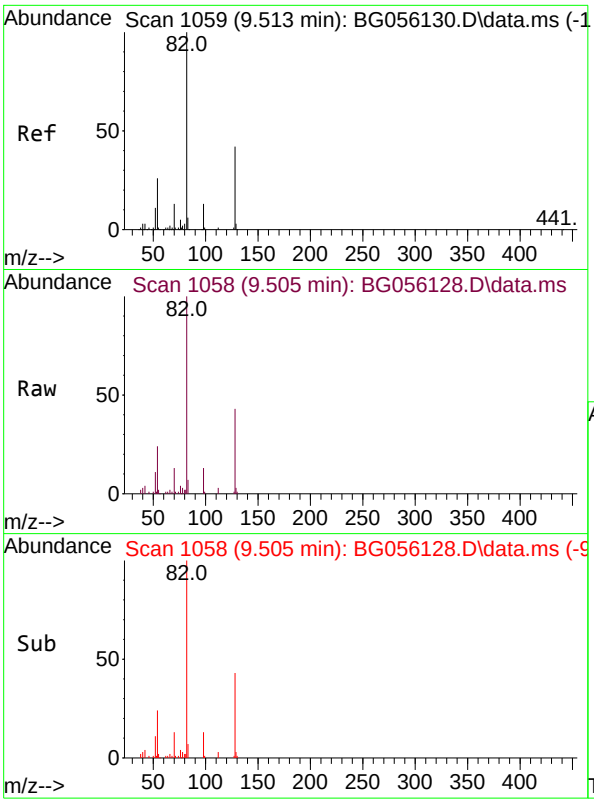


#22
Acetophenone
Concen: 11.771 ng
RT: 9.164 min Scan# 1000
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:105 Resp: 48952

Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.5	0.7#
51	11.9	9.3	13.9
120	21.4	15.5	23.3

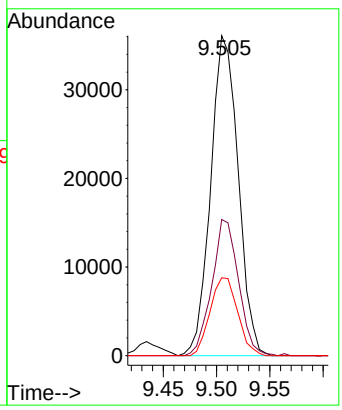




#23
Nitrobenzene-d5
Concen: 27.051 ng
RT: 9.505 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 82 Resp: 6493

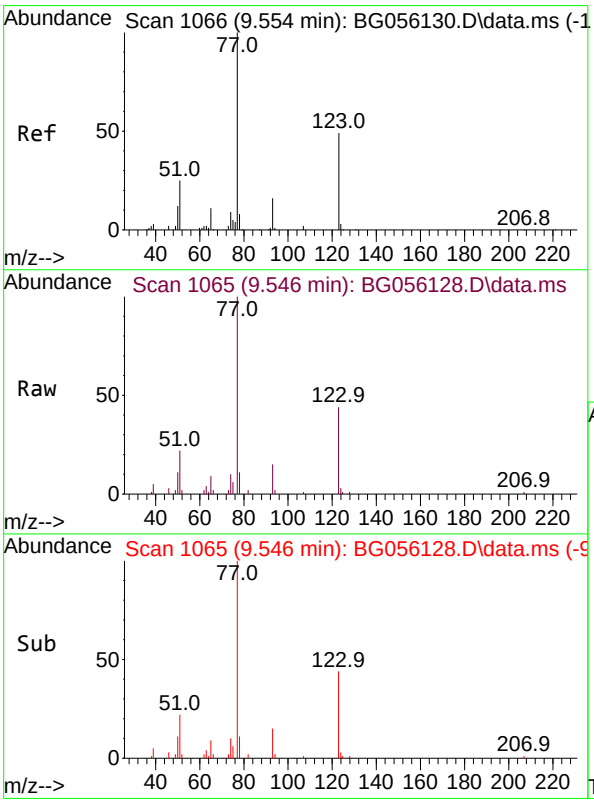
Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.4	50.2
54	24.3	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

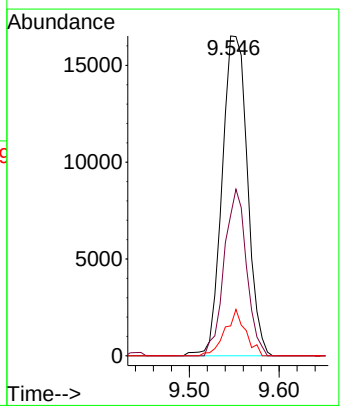
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

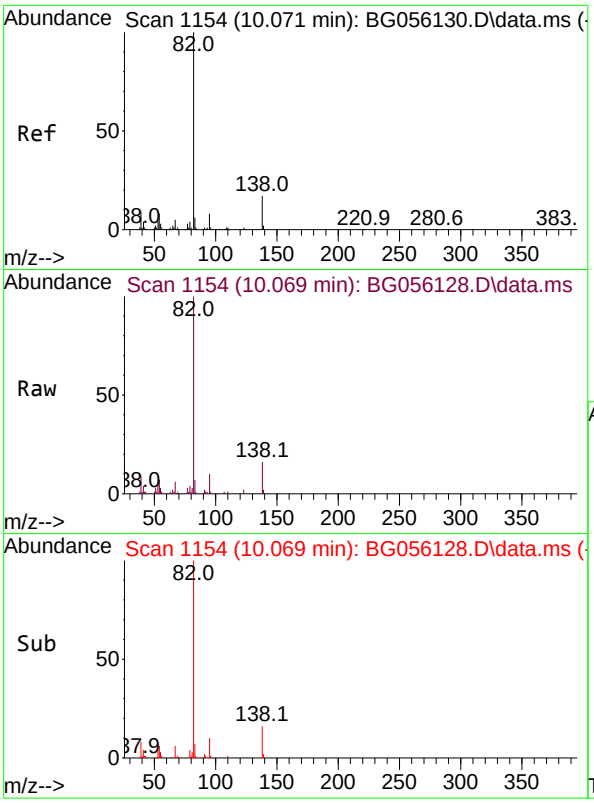


#24
Nitrobenzene
Concen: 13.421 ng
RT: 9.546 min Scan# 1065
Delta R.T. -0.008 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 77 Resp: 32429

Ion	Ratio	Lower	Upper
77	100		
123	44.0	38.8	58.2
65	9.4	9.1	13.7

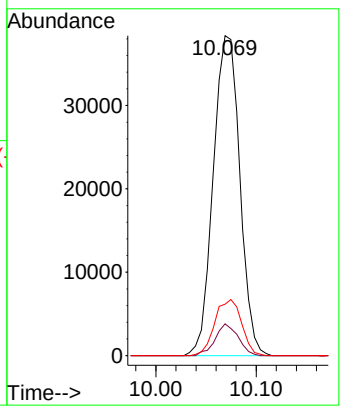




#25
Isophorone
Concen: 14.028 ng
RT: 10.069 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 82 Resp: 7061

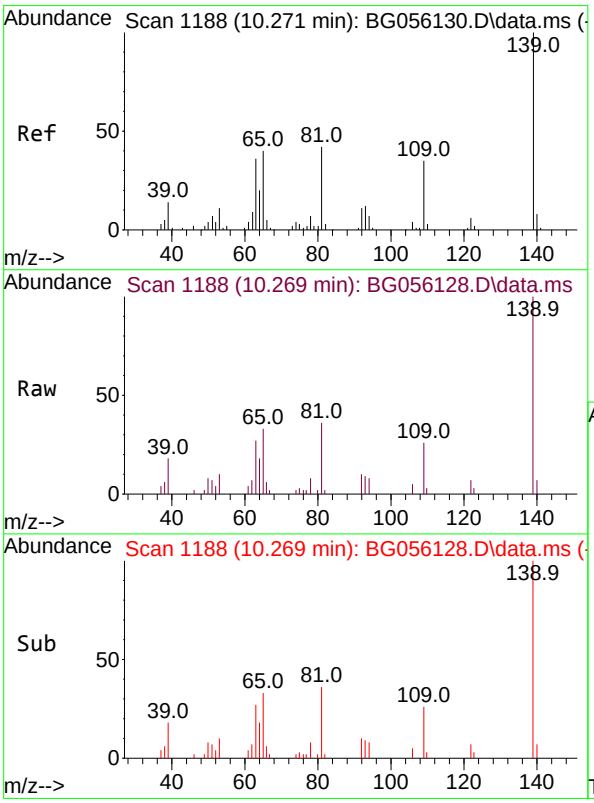
Ion	Ratio	Lower	Upper
82	100		
95	9.9	6.7	10.1
138	16.1	13.7	20.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

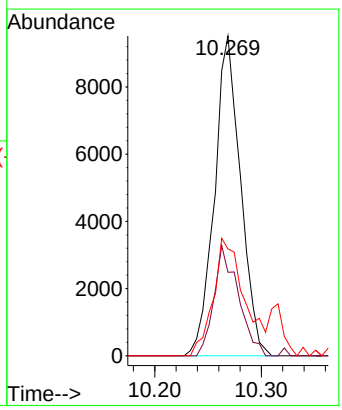
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

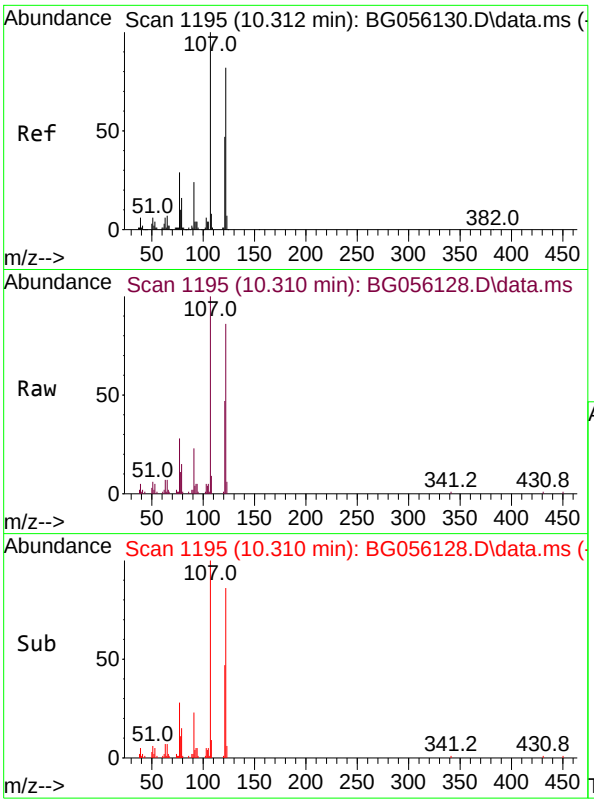


#26
2-Nitrophenol
Concen: 11.312 ng
RT: 10.269 min Scan# 1188
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:139 Resp: 16181

Ion	Ratio	Lower	Upper
139	100		
109	26.1	28.4	42.6#
65	33.4	32.1	48.1





#27
2,4-Dimethylphenol
Concen: 13.312 ng
RT: 10.310 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

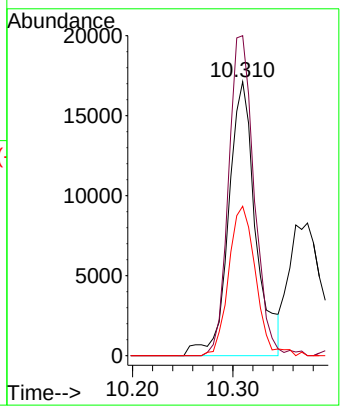
Tgt Ion:122 Resp: 3197

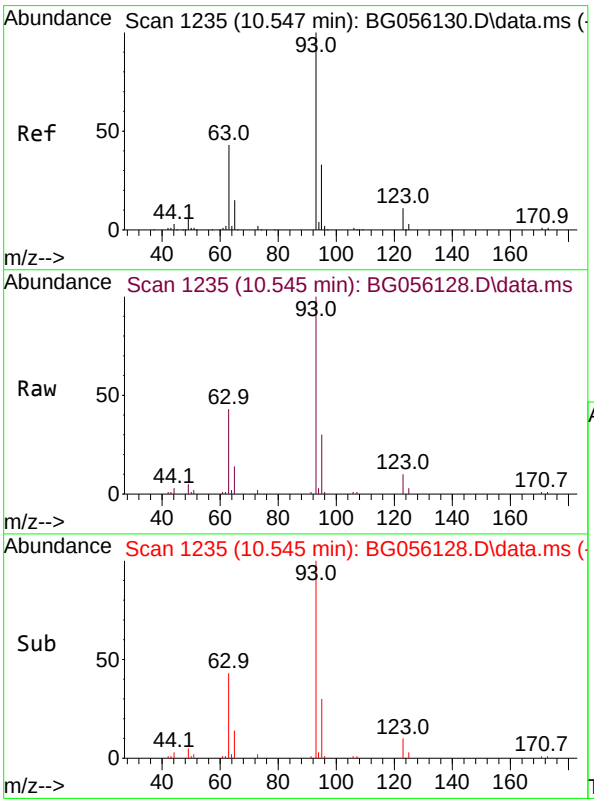
Ion	Ratio	Lower	Upper
122	100		
107	116.9	97.5	146.3
121	54.6	45.9	68.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

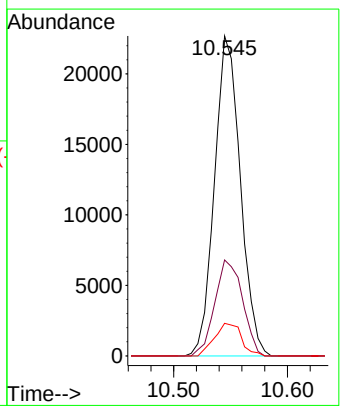


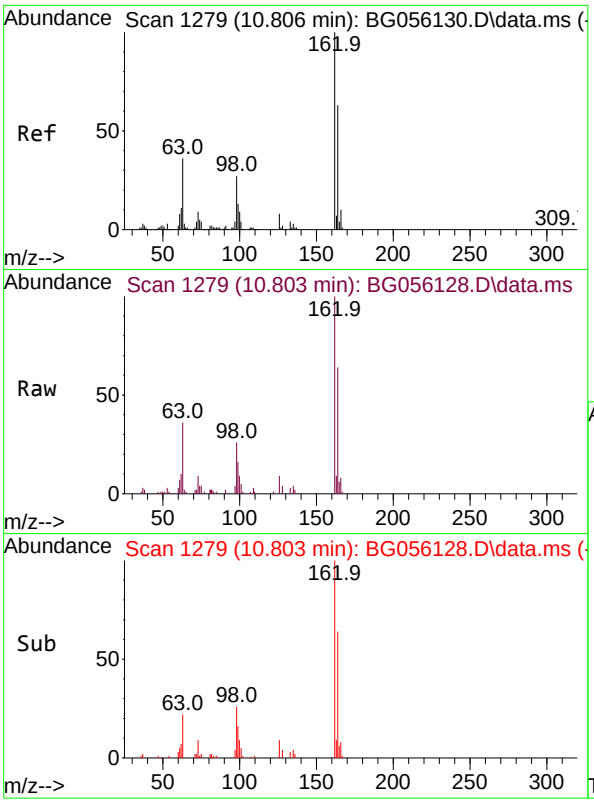


#28
bis(2-Chloroethoxy)methane
Concen: 16.103 ng
RT: 10.545 min Scan# 1235
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 93 Resp: 35824

Ion	Ratio	Lower	Upper
93	100		
95	30.0	26.2	39.2
123	10.2	9.0	13.6

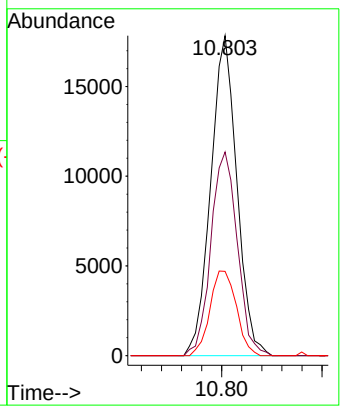




#29
2,4-Dichlorophenol
Concen: 9.470 ng
RT: 10.803 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:162 Resp: 3228

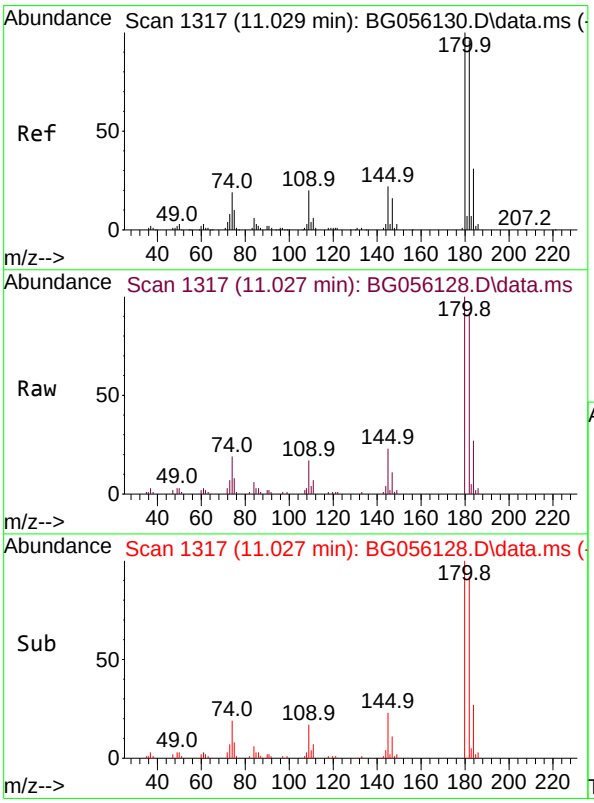
Ion	Ratio	Lower	Upper
162	100		
164	63.6	43.3	83.3
98	26.3	6.8	46.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

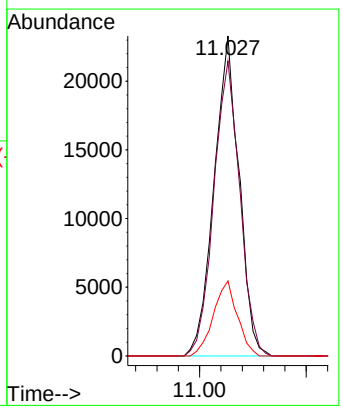
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

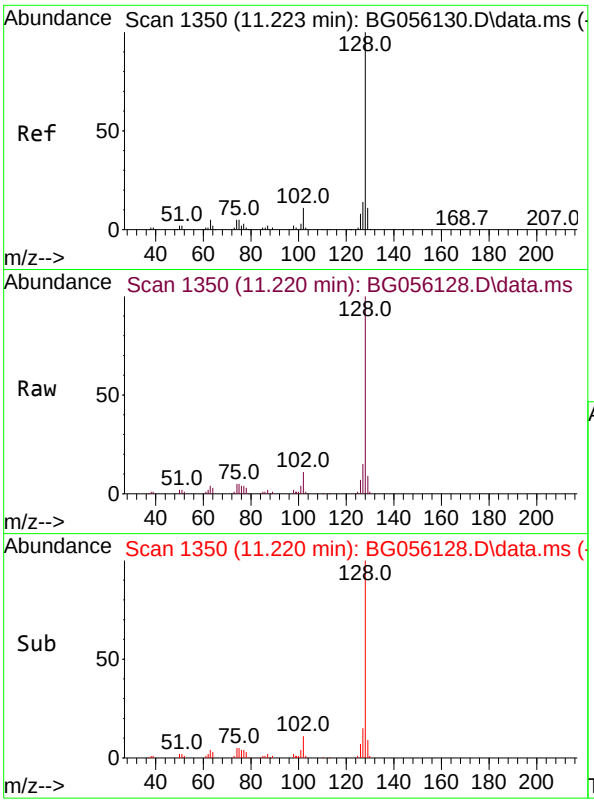


#30
1,2,4-Trichlorobenzene
Concen: 8.581 ng
RT: 11.027 min Scan# 1317
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:180 Resp: 38035

Ion	Ratio	Lower	Upper
180	100		
182	92.1	77.0	115.4
145	23.4	17.4	26.2

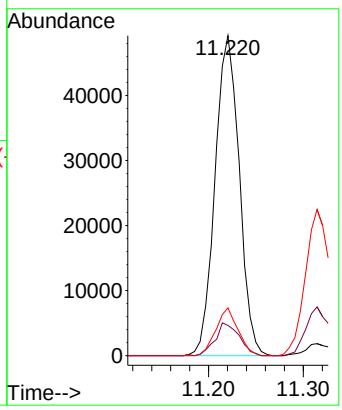




#31
Naphthalene
Concen: 9.866 ng
RT: 11.220 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:128 Resp: 8733

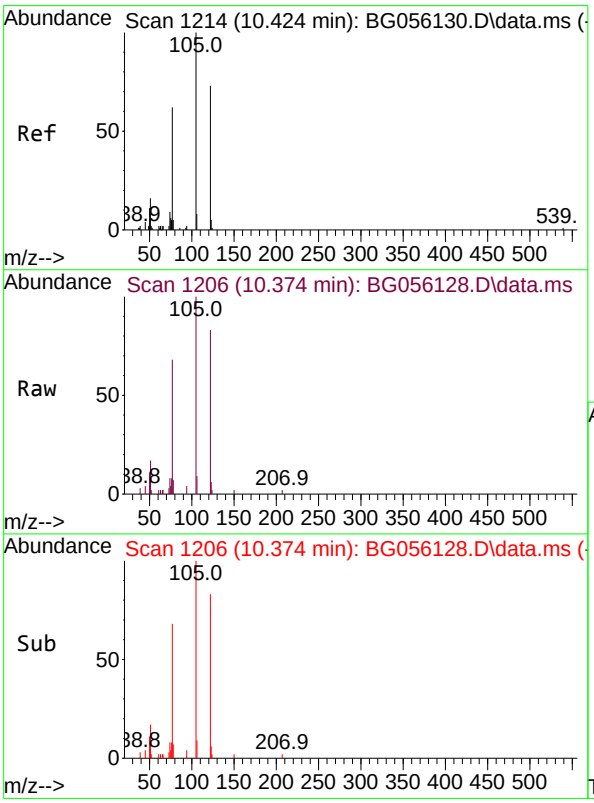
Ion	Ratio	Lower	Upper
128	100		
129	9.4	8.9	13.3
127	14.9	11.2	16.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

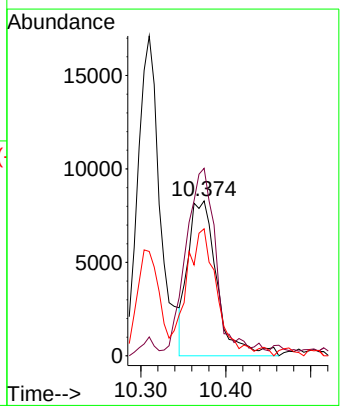
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

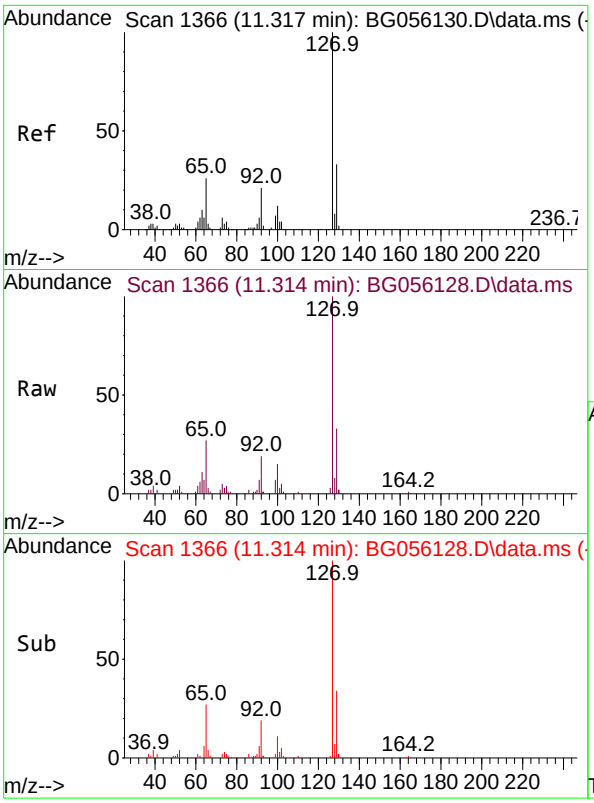


#32
Benzoic acid
Concen: 10.626 ng m
RT: 10.374 min Scan# 1206
Delta R.T. -0.050 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:122 Resp: 19692

Ion	Ratio	Lower	Upper
122	100		
105	121.1	109.0	149.0
77	82.0	63.1	103.1

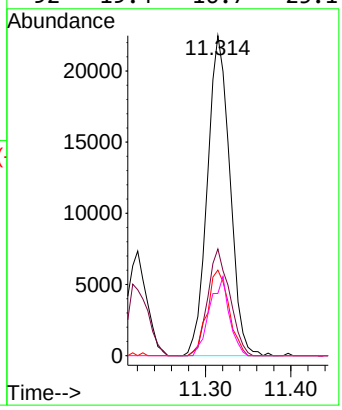




#33
4-Chloroaniline
Concen: 10.841 ng
RT: 11.314 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:127 Resp: 4113

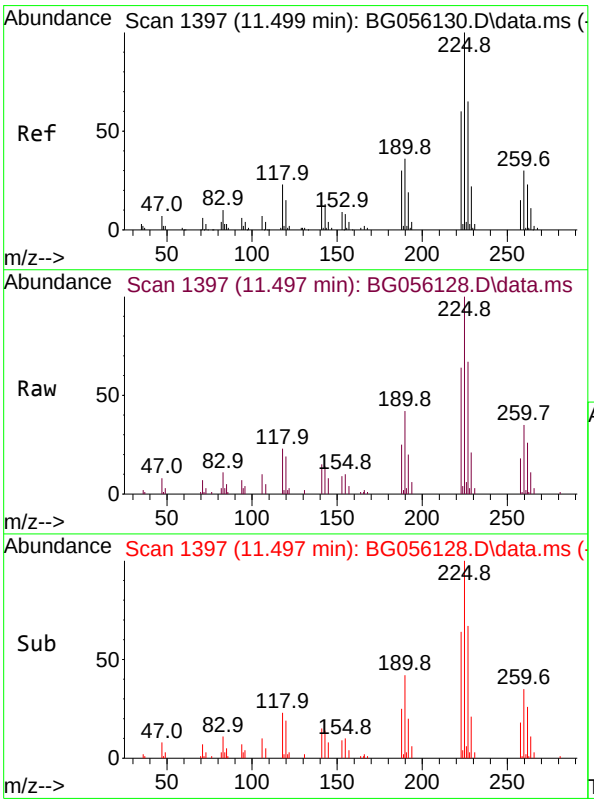
Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.1	39.1
65	26.7	20.9	31.3
92	19.4	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

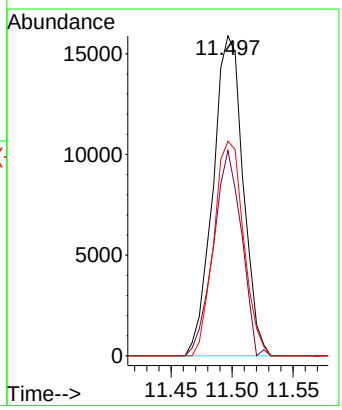
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

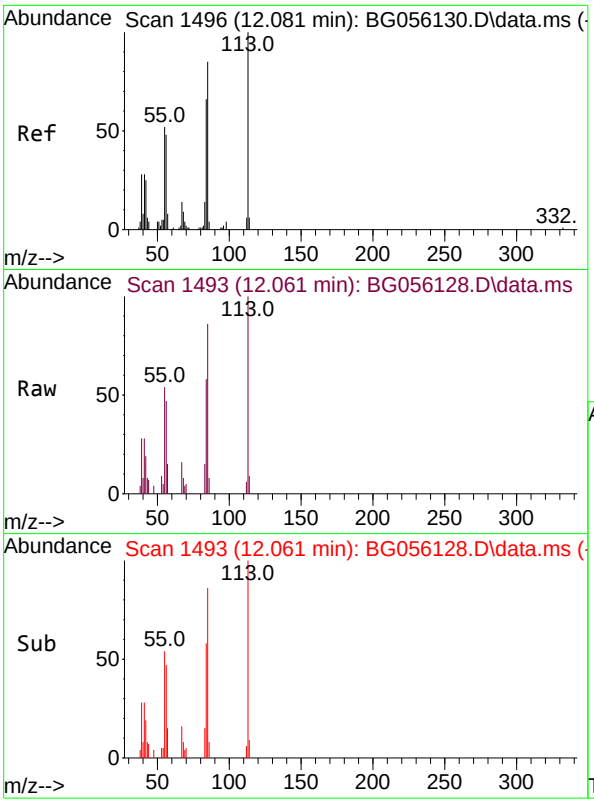


#34
Hexachlorobutadiene
Concen: 6.569 ng
RT: 11.497 min Scan# 1397
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:225 Resp: 27372

Ion	Ratio	Lower	Upper
225	100		
223	68.0	47.7	71.5
227	67.1	52.3	78.5

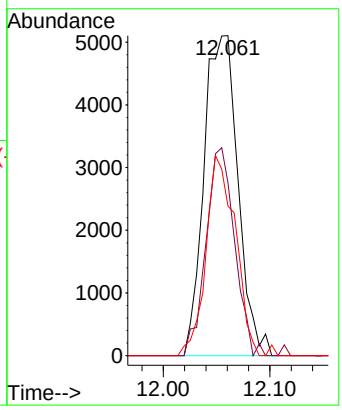




#35
Caprolactam
Concen: 11.912 ng
RT: 12.061 min Scan# 14
Delta R.T. -0.020 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:113 Resp: 1131

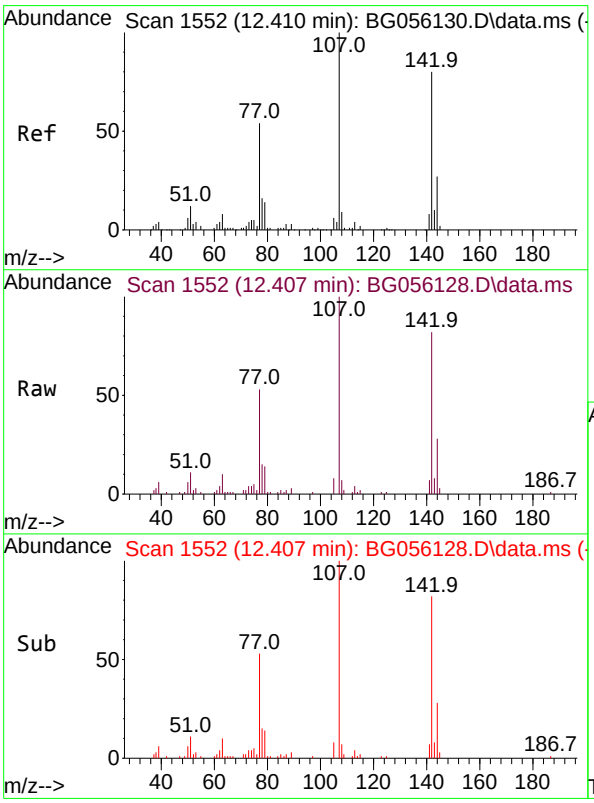
Ion	Ratio	Lower	Upper
113	100		
55	54.1	31.9	71.9
56	46.7	27.6	67.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

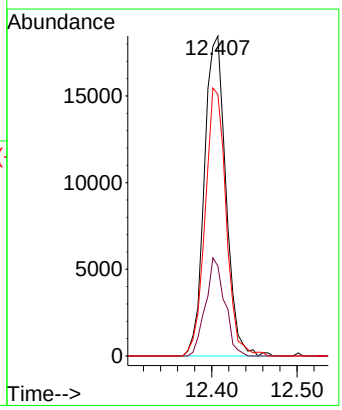
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

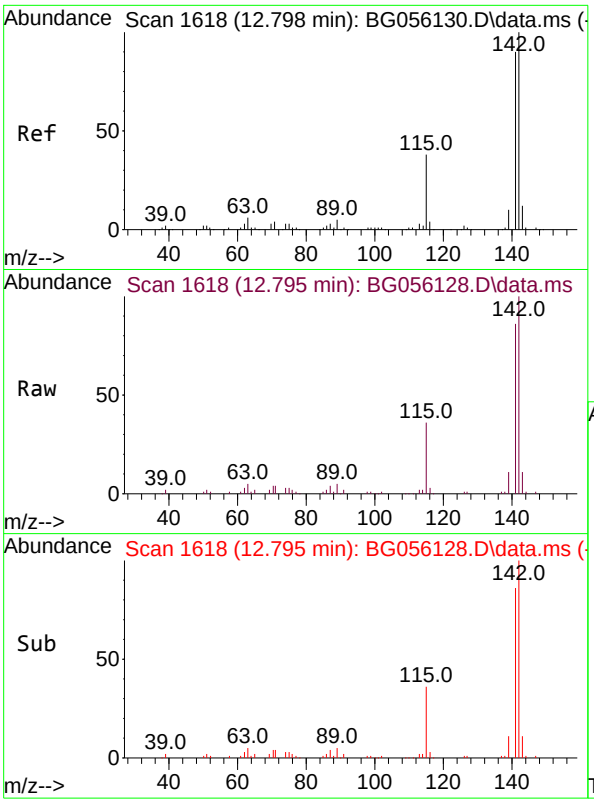


#36
4-Chloro-3-methylphenol
Concen: 10.086 ng
RT: 12.407 min Scan# 1552
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:107 Resp: 32248

Ion	Ratio	Lower	Upper
107	100		
144	28.1	21.5	32.3
142	81.7	63.8	95.6

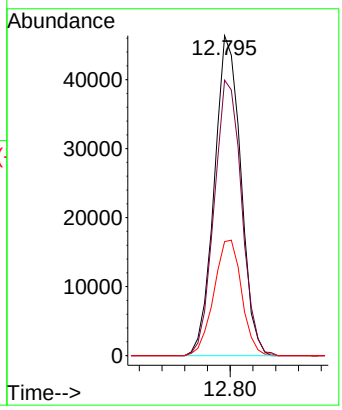




#37
2-Methylnaphthalene
Concen: 9.584 ng
RT: 12.795 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:142 Resp: 7494

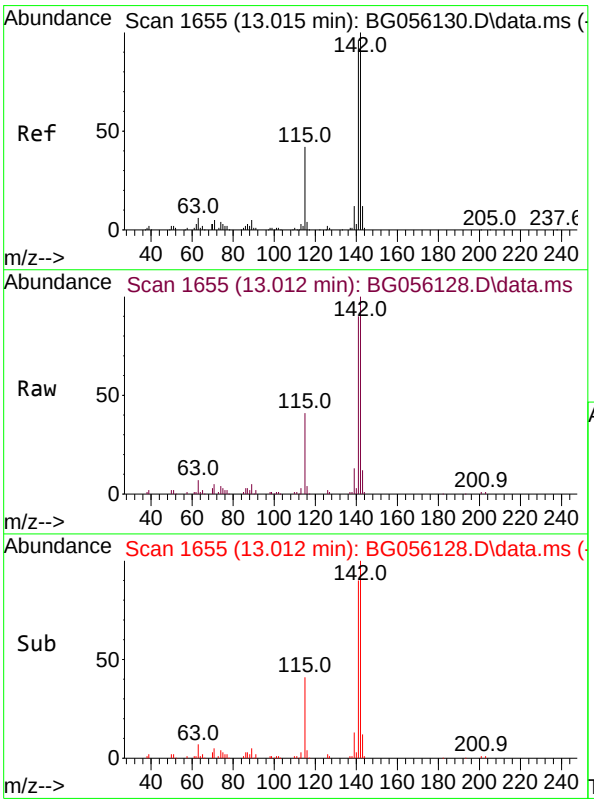
Ion	Ratio	Lower	Upper
142	100		
141	86.1	72.2	108.4
115	35.6	30.7	46.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

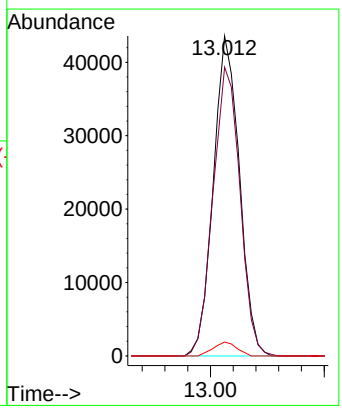
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

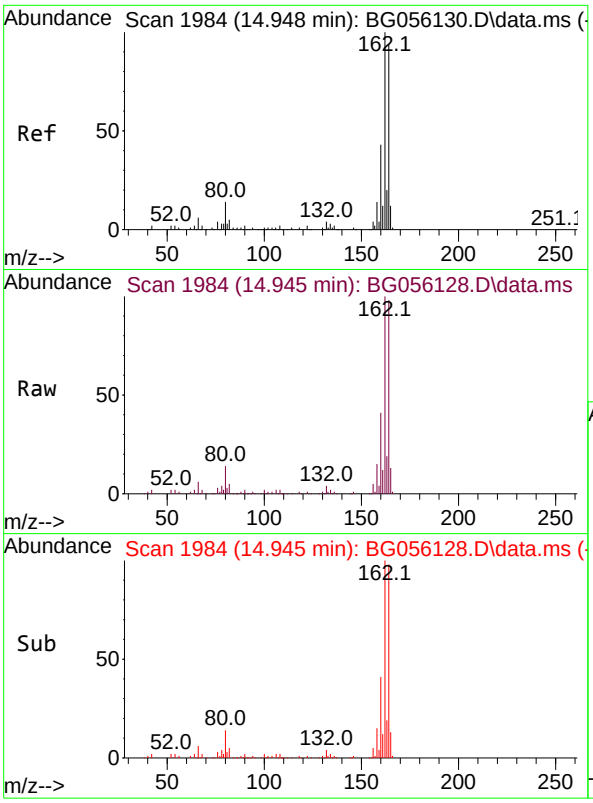


#38
1-Methylnaphthalene
Concen: 9.074 ng
RT: 13.012 min Scan# 1655
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:142 Resp: 69133

Ion	Ratio	Lower	Upper
142	100		
141	90.2	77.0	115.6
116	4.3	3.6	5.4

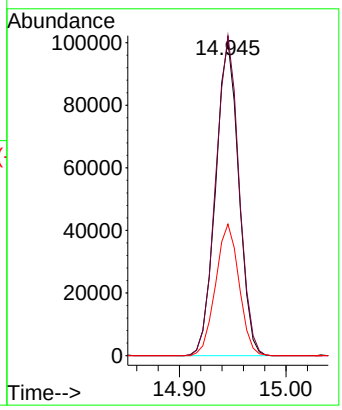




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.945 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:164 Resp: 15152

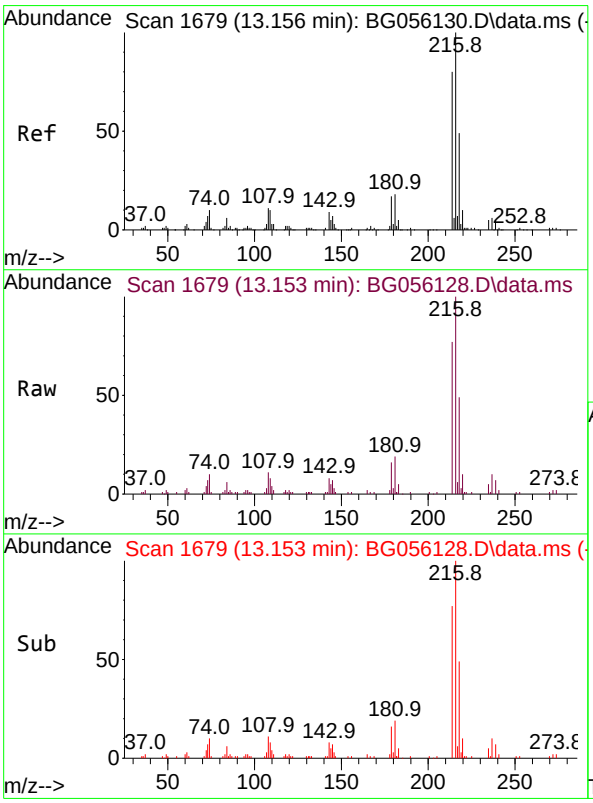
Ion	Ratio	Lower	Upper
164	100		
162	101.8	84.7	127.1
160	41.9	36.3	54.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

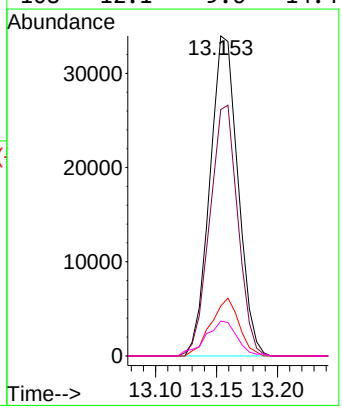
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

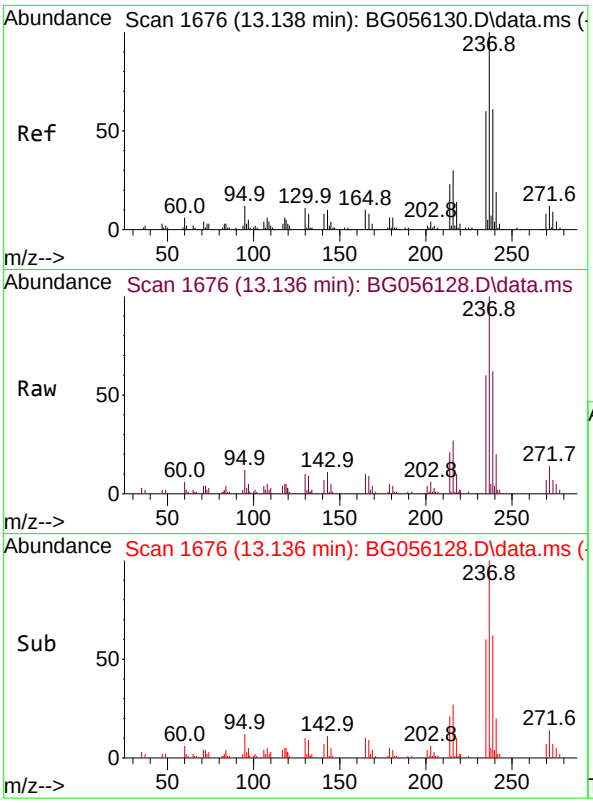


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.525 ng
RT: 13.153 min Scan# 1679
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:216 Resp: 54500

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.4	95.0
179	18.0	13.6	20.4
108	12.1	9.6	14.4

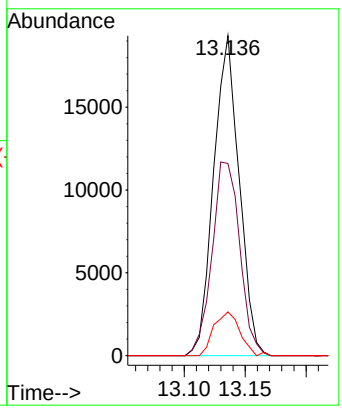




#41
Hexachlorocyclopentadiene
Concen: 7.751 ng
RT: 13.136 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:237 Resp: 2811

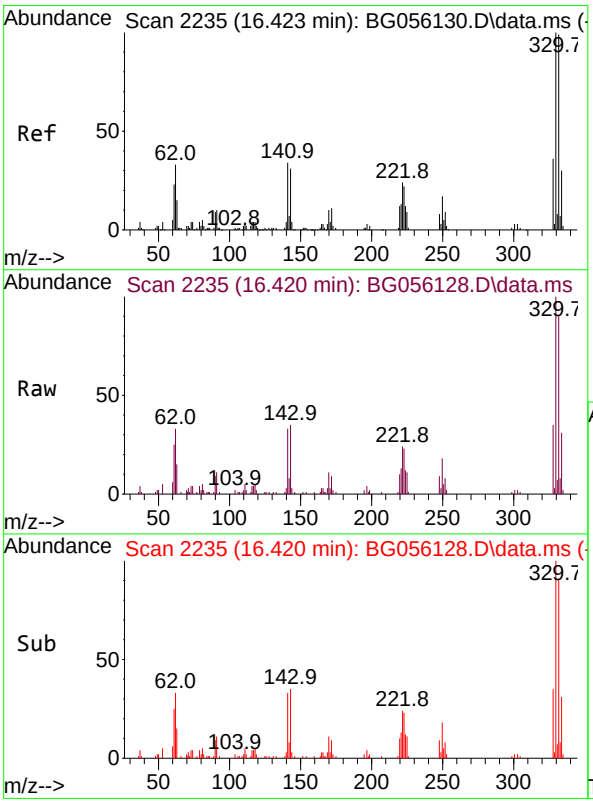
Ion	Ratio	Lower	Upper
237	100		
235	60.0	40.3	80.3
272	13.7	0.0	32.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

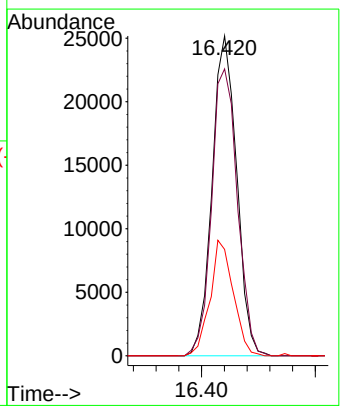
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

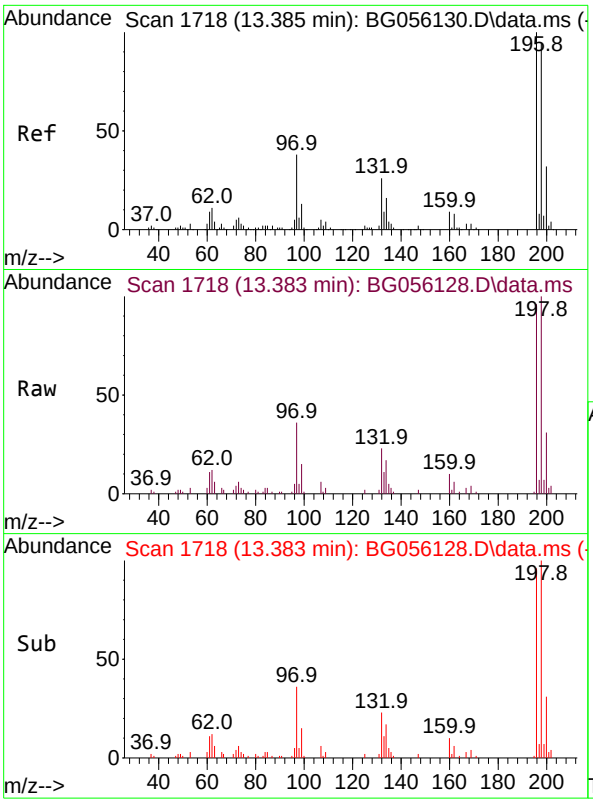


#42
2,4,6-Tribromophenol
Concen: 10.337 ng
RT: 16.420 min Scan# 2235
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:330 Resp: 37767

Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.3	115.9
141	34.2	27.9	41.9

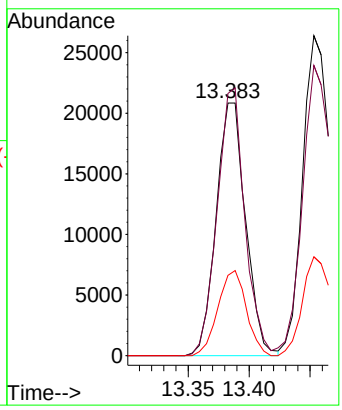




#43
2,4,6-Trichlorophenol
Concen: 9.253 ng
RT: 13.383 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:196 Resp: 3501

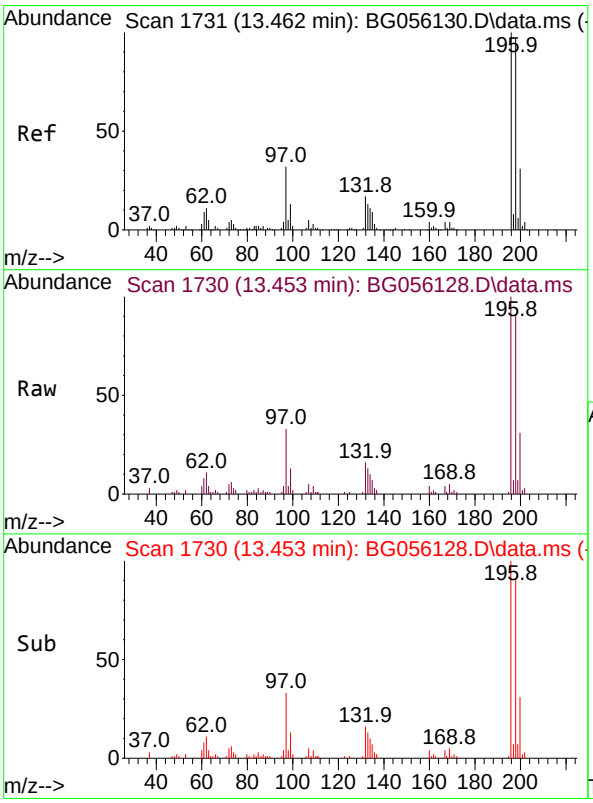
Ion	Ratio	Lower	Upper
196	100		
198	103.8	75.5	113.3
200	31.8	25.7	38.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

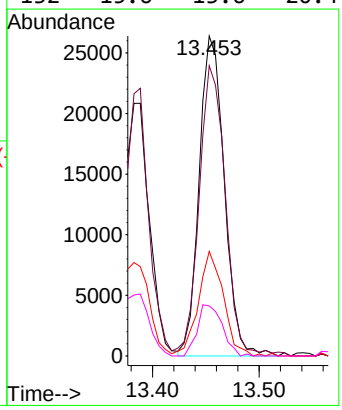
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

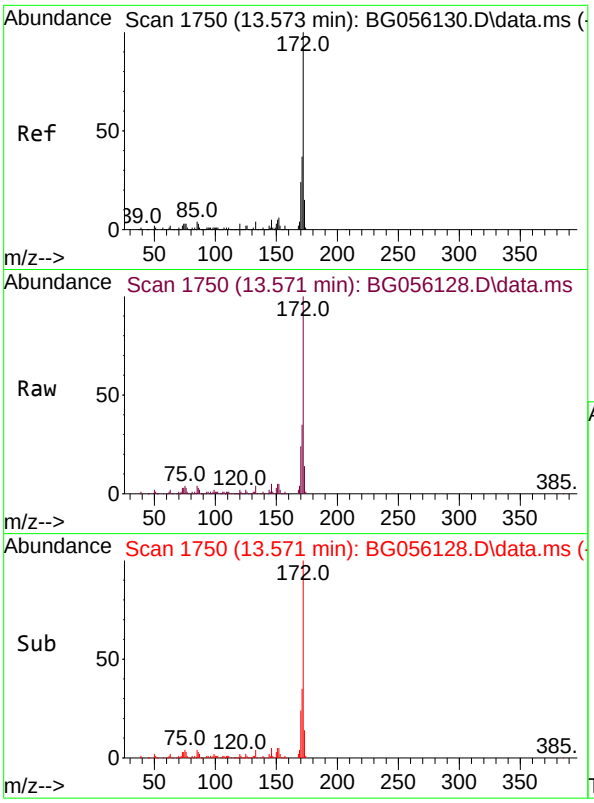


#44
2,4,5-Trichlorophenol
Concen: 10.124 ng
RT: 13.453 min Scan# 1730
Delta R.T. -0.008 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:196 Resp: 43189

Ion	Ratio	Lower	Upper
196	100		
198	90.7	78.0	117.0
97	32.6	25.7	38.5
132	15.6	13.6	20.4

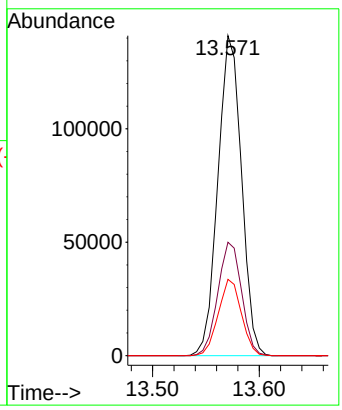




#45
2-Fluorobiphenyl
Concen: 20.094 ng
RT: 13.571 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:172 Resp: 21709

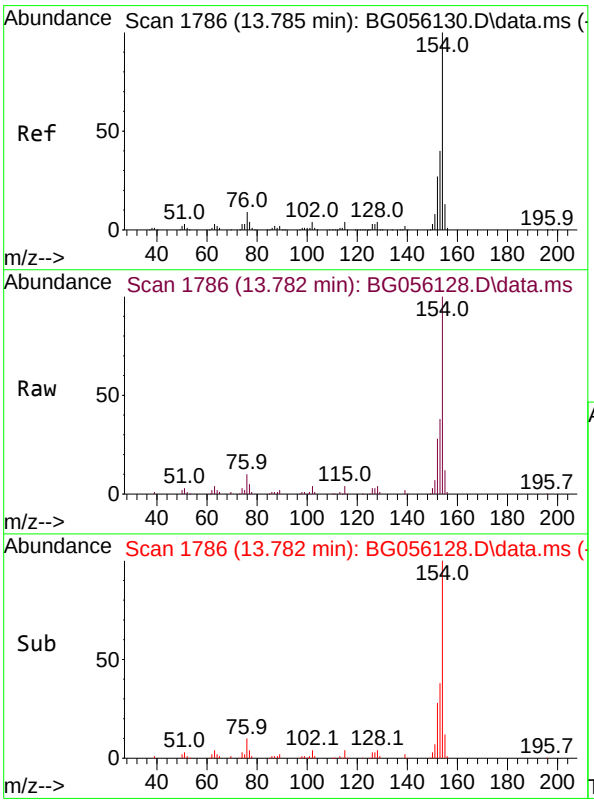
Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.8	19.4	29.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

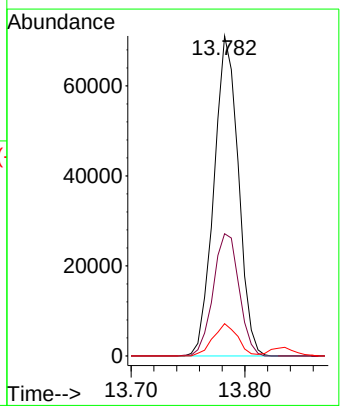
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

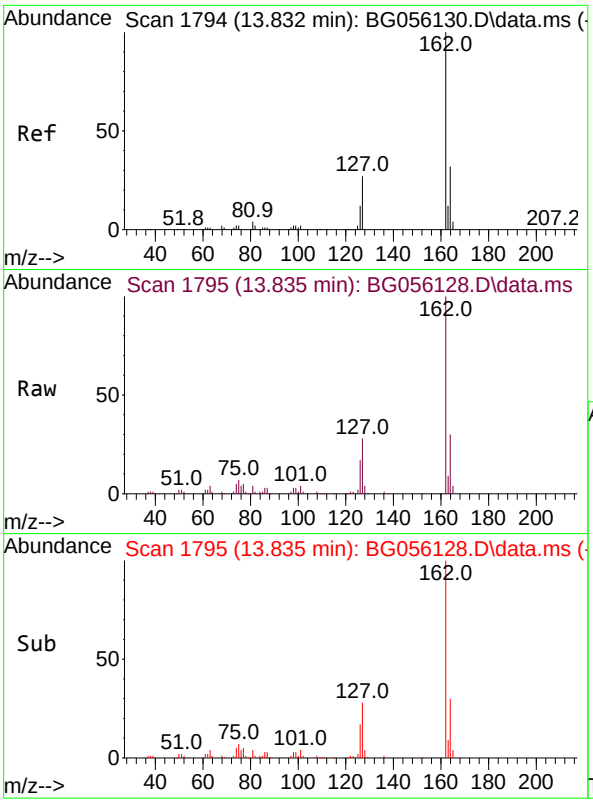


#46
1,1'-Biphenyl
Concen: 10.313 ng
RT: 13.782 min Scan# 1786
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:154 Resp: 105921

Ion	Ratio	Lower	Upper
154	100		
153	38.2	20.0	60.0
76	10.1	0.0	29.3

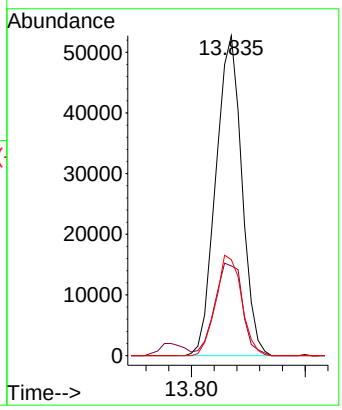




#47
2-Chloronaphthalene
Concen: 10.036 ng
RT: 13.835 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:162 Resp: 8375

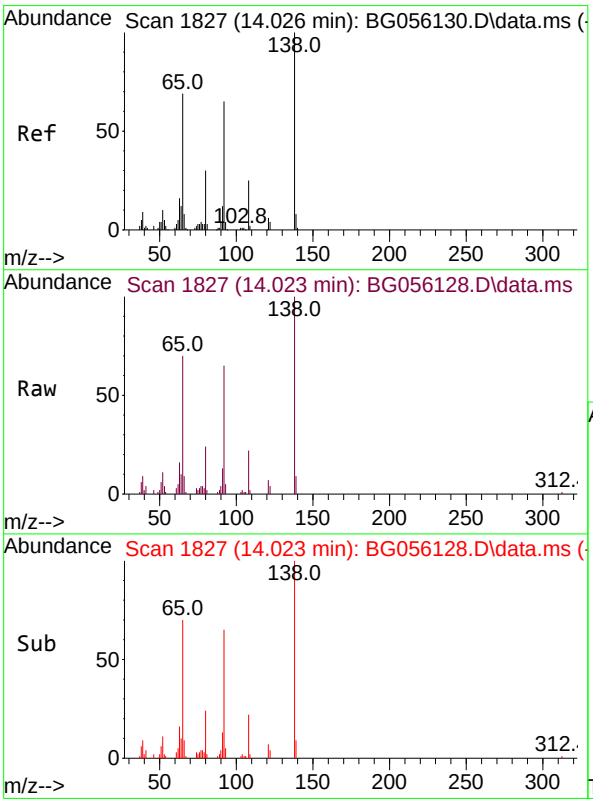
Ion	Ratio	Lower	Upper
162	100		
127	28.0	24.6	36.8
164	30.0	25.8	38.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

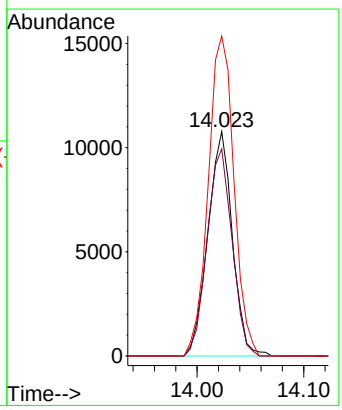
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

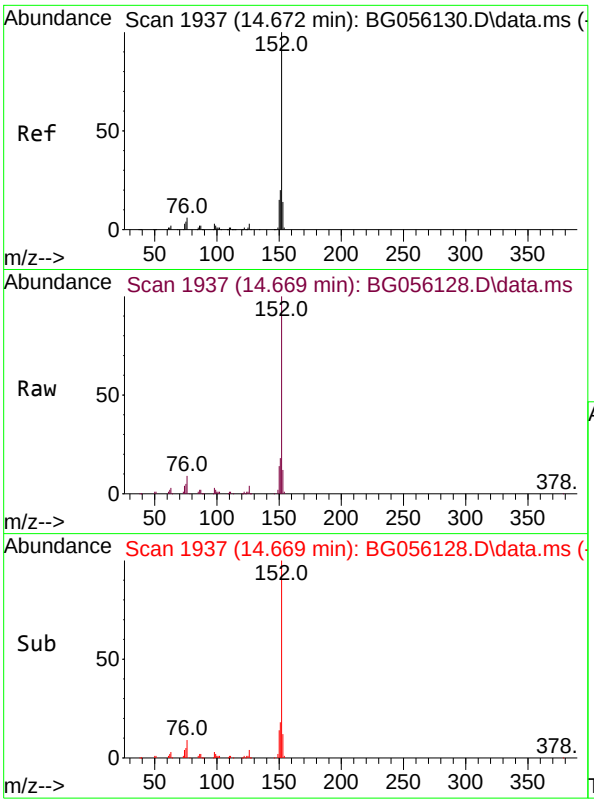


#48
2-Nitroaniline
Concen: 12.292 ng
RT: 14.023 min Scan# 1827
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 65 Resp: 17159

Ion	Ratio	Lower	Upper
65	100		
92	92.3	76.0	114.0
138	142.7	116.6	174.8

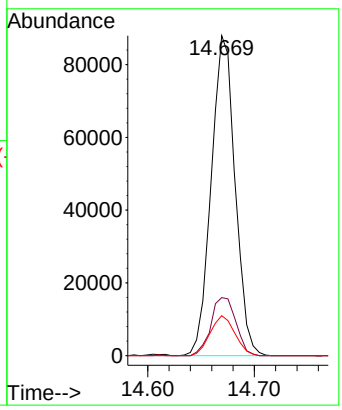




#49
Acenaphthylene
Concen: 10.285 ng
RT: 14.669 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:152 Resp: 13700

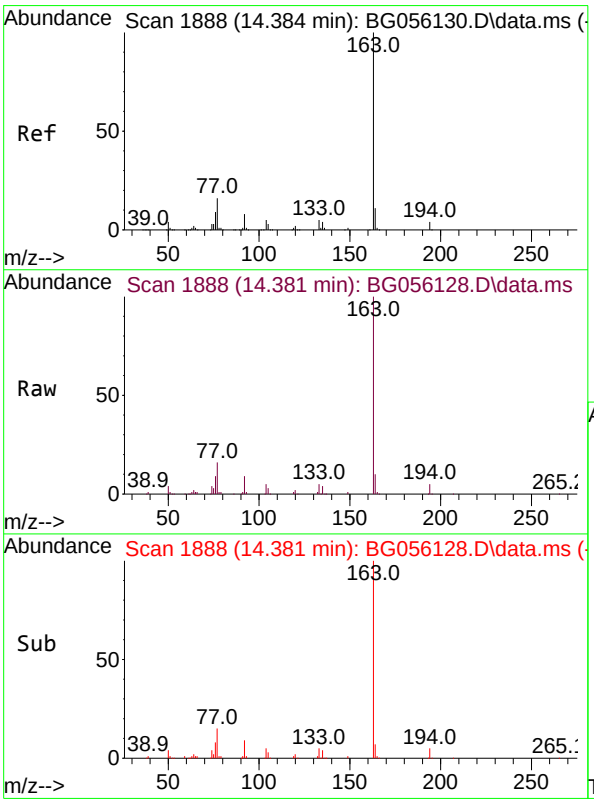
Ion	Ratio	Lower	Upper
152	100		
151	18.1	16.0	24.0
153	12.5	11.0	16.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

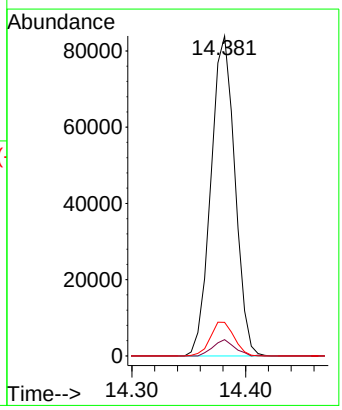
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

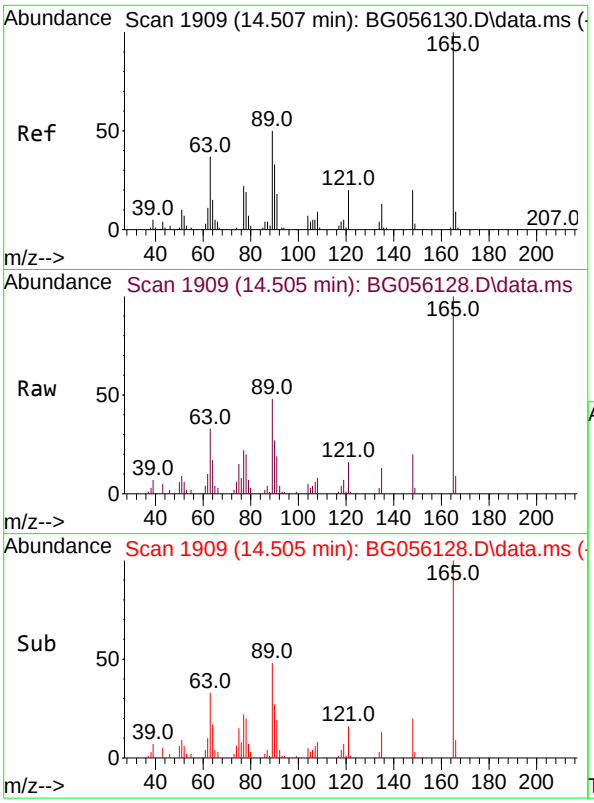


#50
Dimethylphthalate
Concen: 9.391 ng
RT: 14.381 min Scan# 1888
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:163 Resp: 123025

Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.5	5.3
164	10.5	8.7	13.1

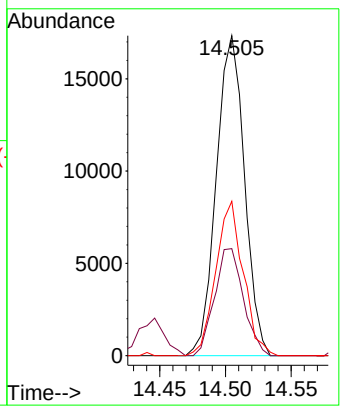




#51
2,6-Dinitrotoluene
Concen: 12.796 ng
RT: 14.505 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:165 Resp: 2593

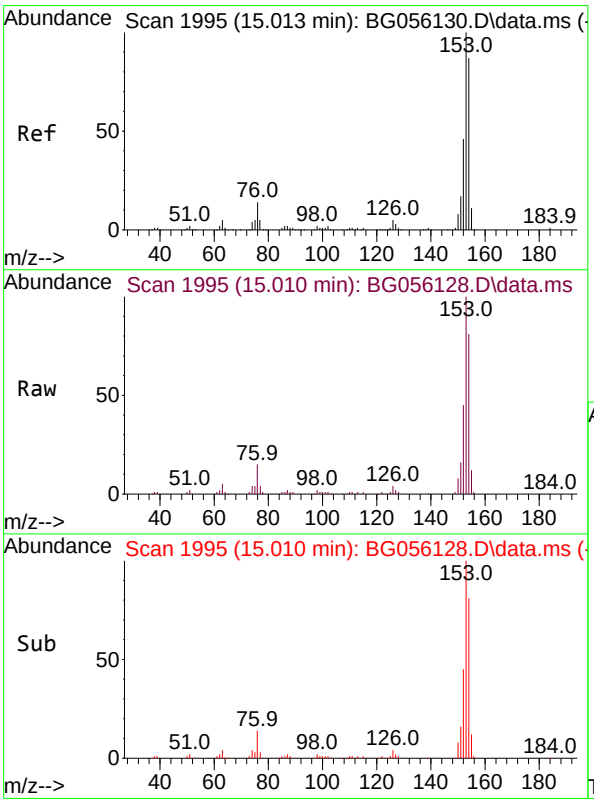
Ion	Ratio	Lower	Upper
165	100		
63	33.4	32.2	48.2
89	48.2	39.8	59.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

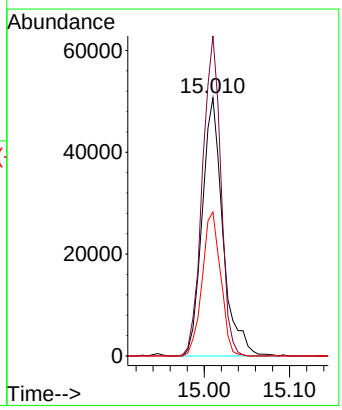
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

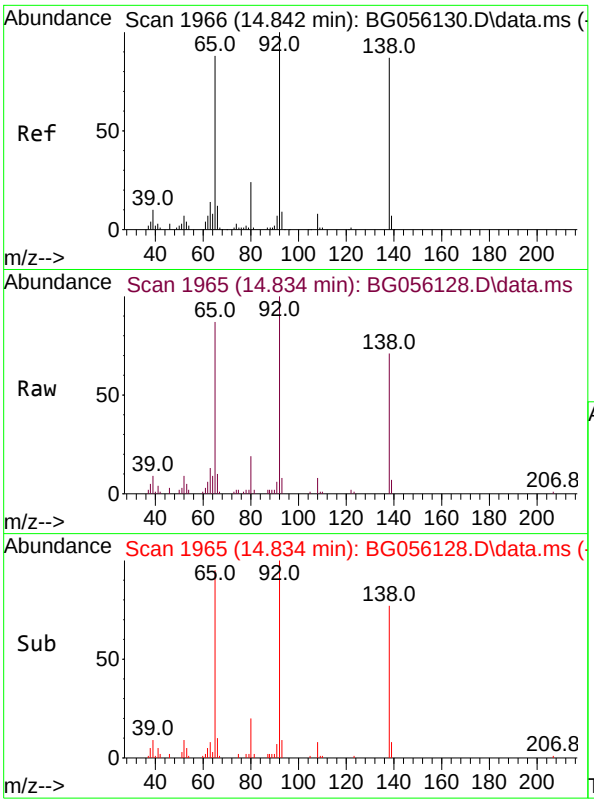


#52
Acenaphthene
Concen: 9.543 ng
RT: 15.010 min Scan# 1995
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:154 Resp: 85336

Ion	Ratio	Lower	Upper
154	100		
153	124.1	92.0	138.0
152	55.8	42.5	63.7





#53
3-Nitroaniline
Concen: 11.316 ng
RT: 14.834 min Scan# 19
Delta R.T. -0.008 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

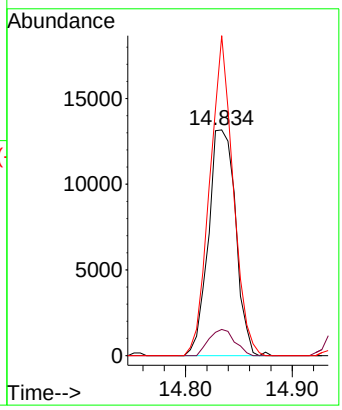
Tgt Ion:138 Resp: 2333

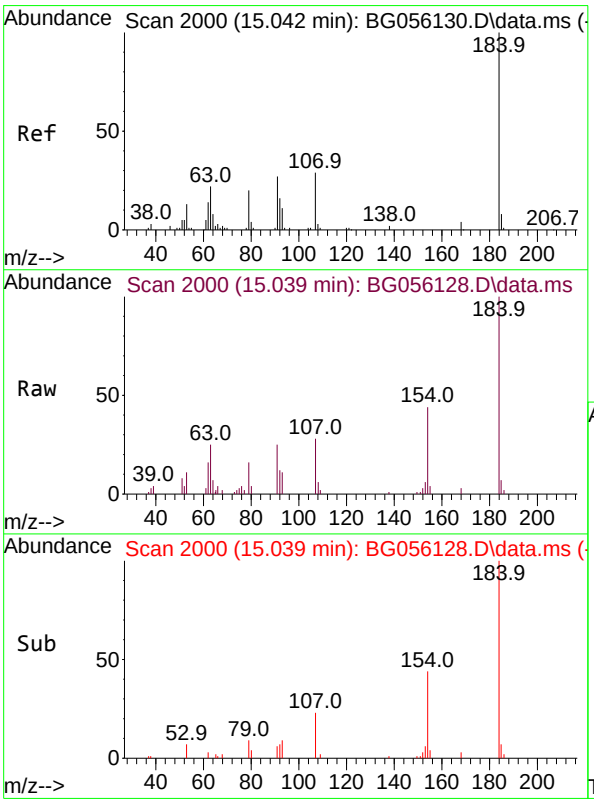
Ion	Ratio	Lower	Upper
138	100		
108	11.6	7.6	11.4#
92	141.8	91.7	137.5#

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

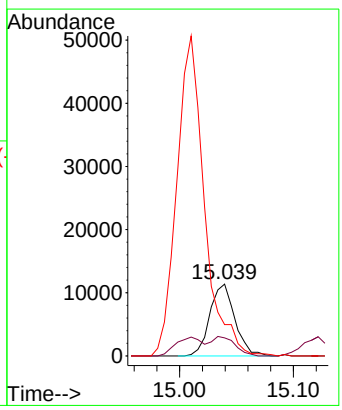


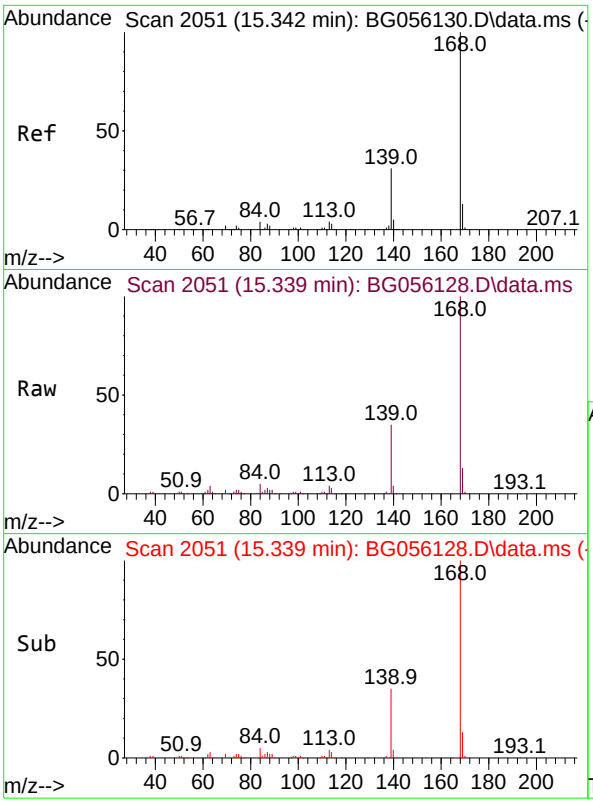


#54
2,4-Dinitrophenol
Concen: 11.512 ng
RT: 15.039 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:184 Resp: 17349

Ion	Ratio	Lower	Upper
184	100		
63	25.0	24.0	36.0
154	43.5	45.4	68.0#

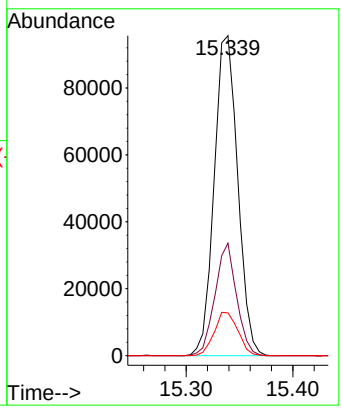




#55
Dibenzofuran
Concen: 9.768 ng
RT: 15.339 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:168 Resp: 14688

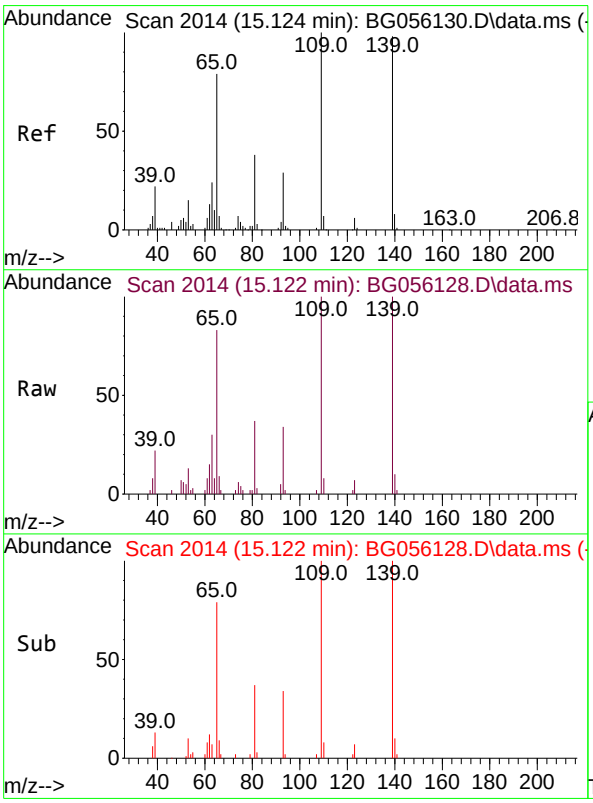
Ion	Ratio	Lower	Upper
168	100		
139	35.1	24.7	37.1
169	13.4	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

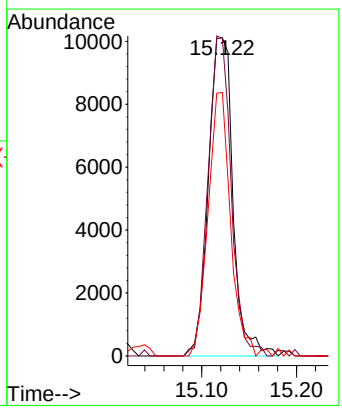
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

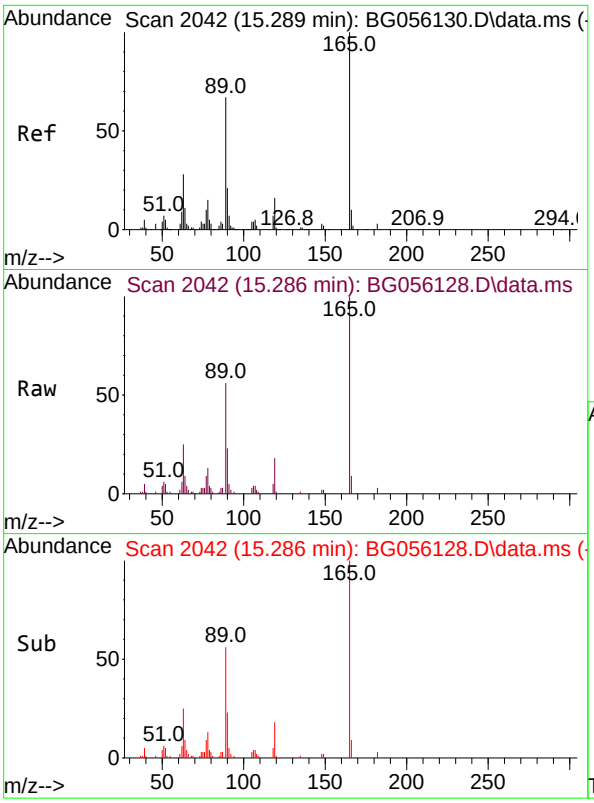


#56
4-Nitrophenol
Concen: 11.025 ng
RT: 15.122 min Scan# 2014
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:139 Resp: 18218

Ion	Ratio	Lower	Upper
139	100		
109	99.8	82.2	122.2
65	82.8	60.6	100.6

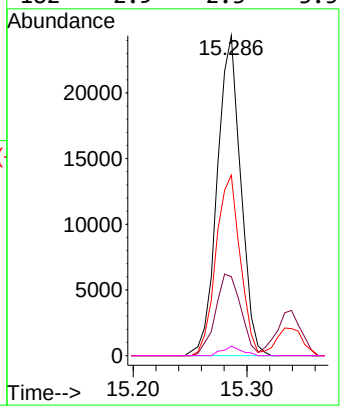




#57
2,4-Dinitrotoluene
Concen: 11.419 ng
RT: 15.286 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:165 Resp: 3494

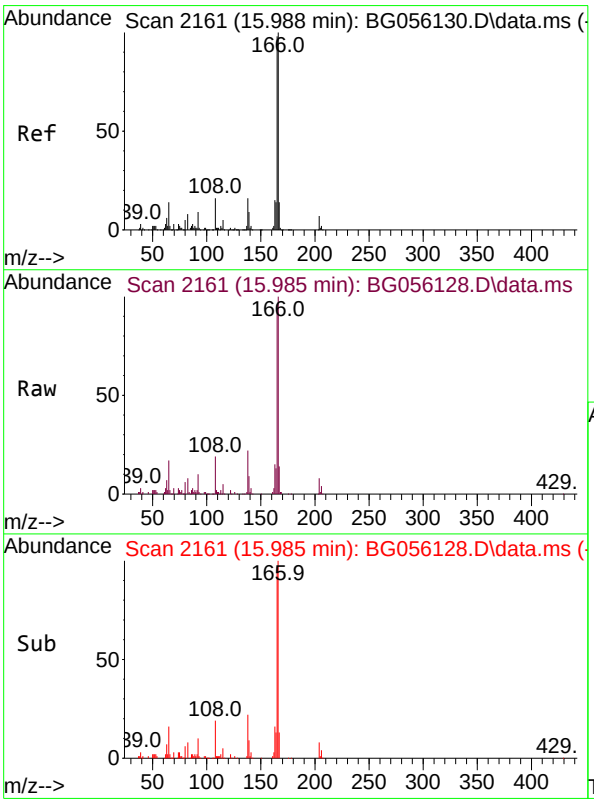
Ion	Ratio	Lower	Upper
165	100		
63	24.7	22.6	34.0
89	56.4	53.2	79.8
182	2.9	2.3	3.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

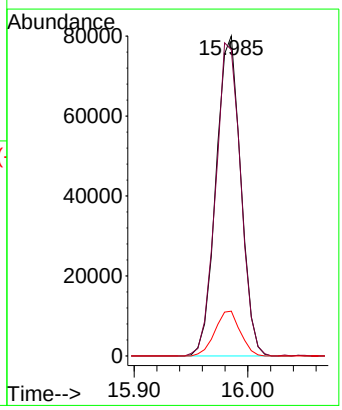
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

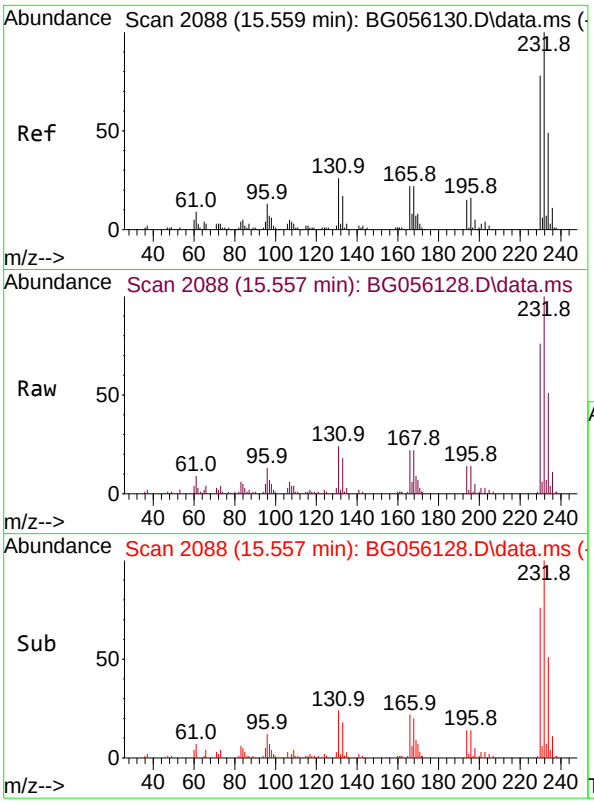


#58
Fluorene
Concen: 9.790 ng
RT: 15.985 min Scan# 2161
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:166 Resp: 120341

Ion	Ratio	Lower	Upper
166	100		
165	95.7	78.6	118.0
167	14.0	11.1	16.7

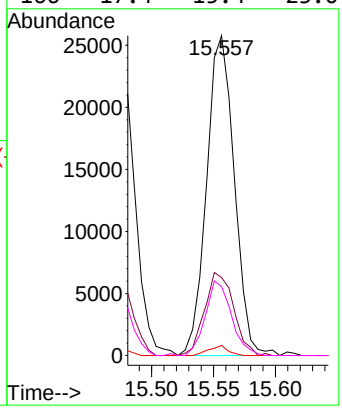




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.250 ng m
RT: 15.557 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:232 Resp: 4020

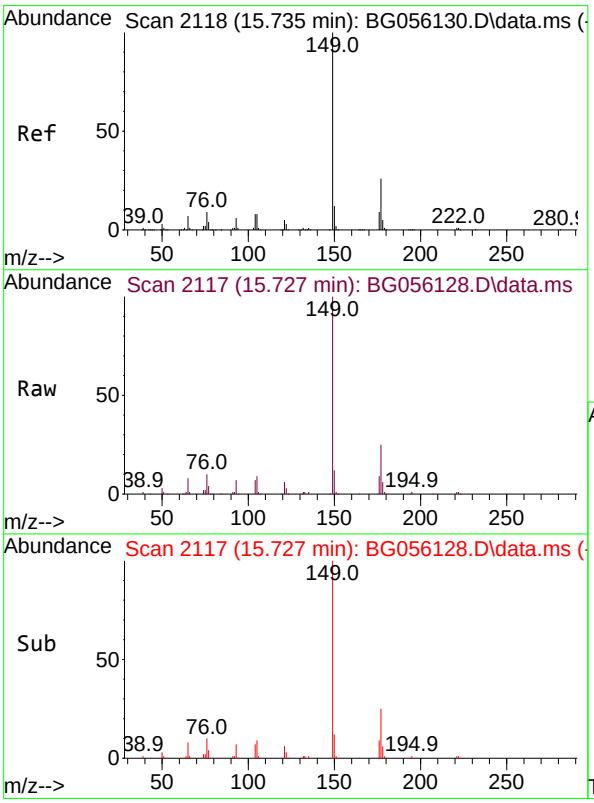
Ion	Ratio	Lower	Upper
232	100		
131	24.6	21.4	32.2
130	1.6	1.4	2.0
166	17.4	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

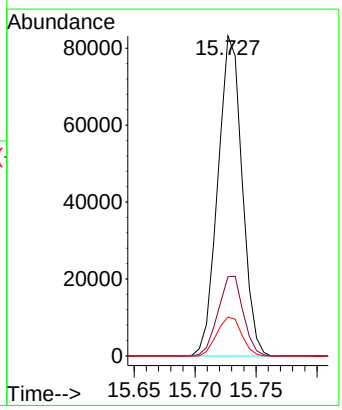
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

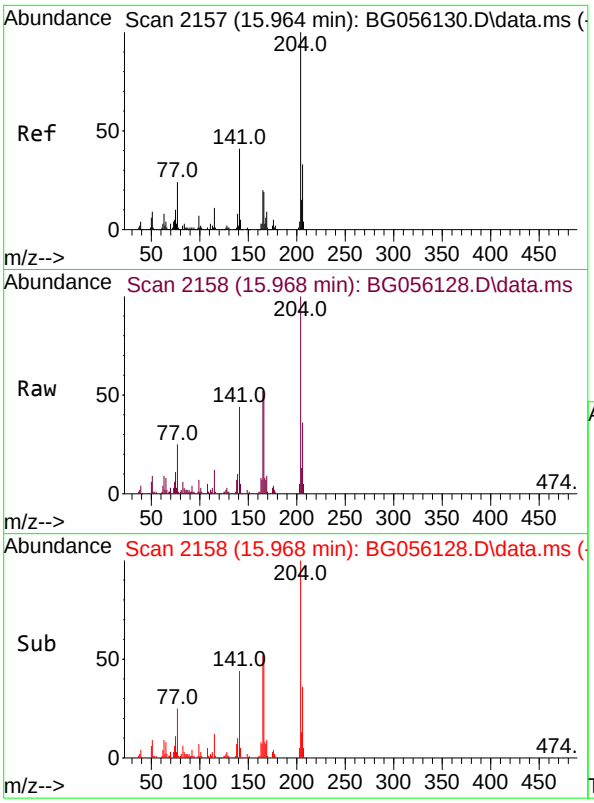


#60
Diethylphthalate
Concen: 8.987 ng
RT: 15.727 min Scan# 2117
Delta R.T. -0.008 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:149 Resp: 115070

Ion	Ratio	Lower	Upper
149	100		
177	24.7	20.6	31.0
150	12.1	9.9	14.9

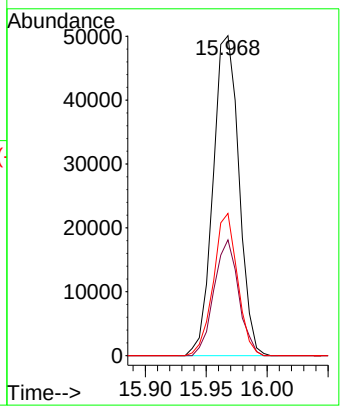




#61
4-Chlorophenyl-phenylether
Concen: 8.819 ng
RT: 15.968 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:204 Resp: 7385

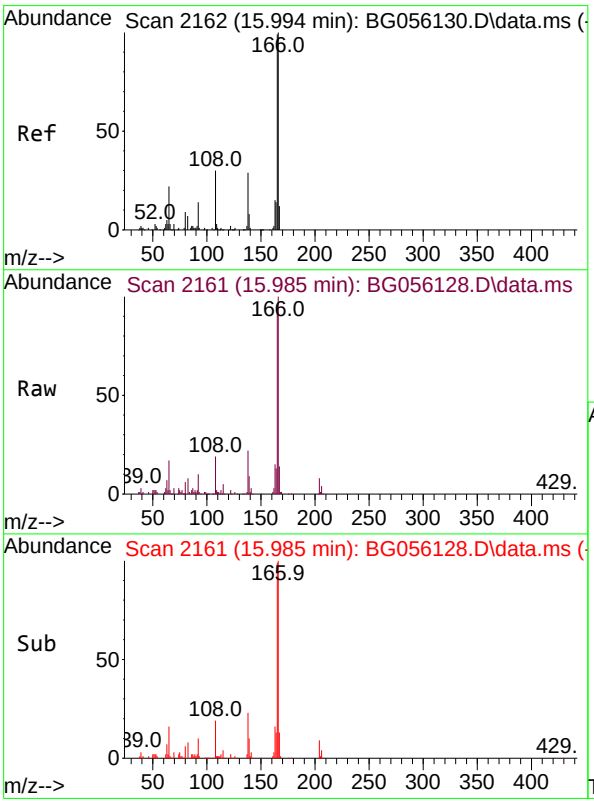
Ion	Ratio	Lower	Upper
204	100		
206	36.2	26.4	39.6
141	44.4	33.0	49.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

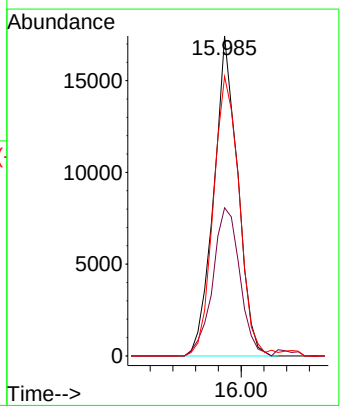
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

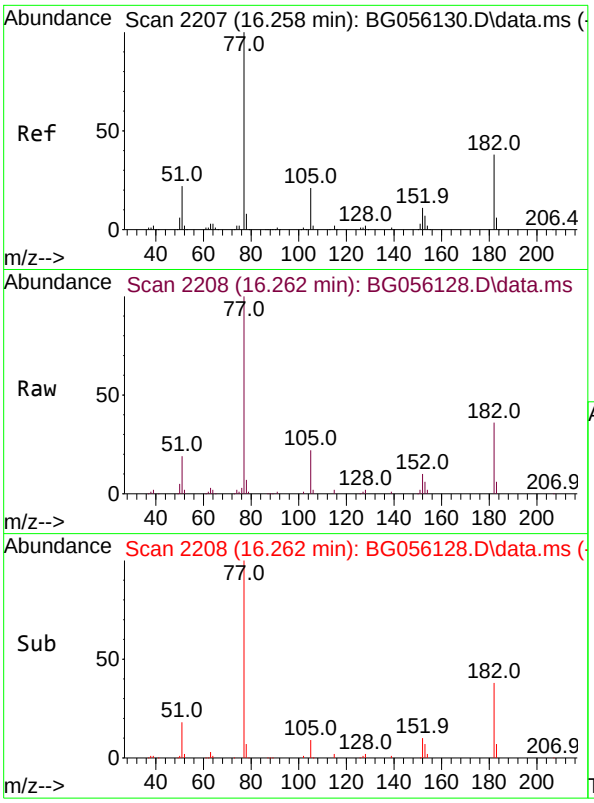


#62
4-Nitroaniline
Concen: 11.347 ng
RT: 15.985 min Scan# 2161
Delta R.T. -0.008 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:138 Resp: 25481

Ion	Ratio	Lower	Upper
138	100		
92	46.3	28.6	68.6
108	87.3	83.4	123.4

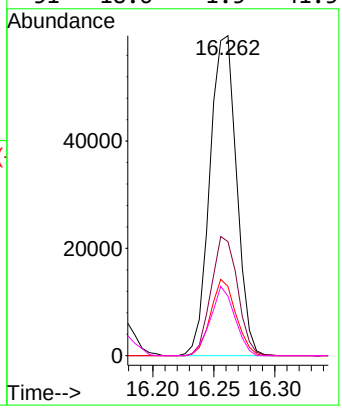




#63
Azobenzene
Concen: 11.659 ng
RT: 16.262 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion: 77 Resp: 9086

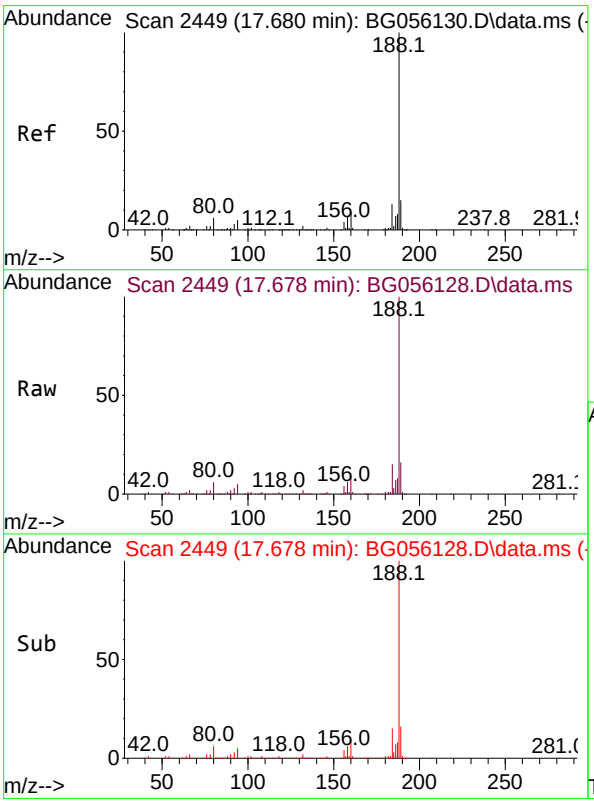
Ion	Ratio	Lower	Upper
77	100		
182	35.6	18.5	58.5
105	21.6	1.4	41.4
51	18.6	1.5	41.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

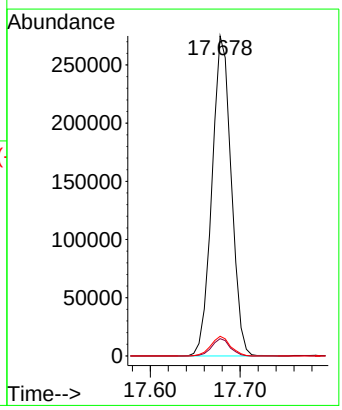
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

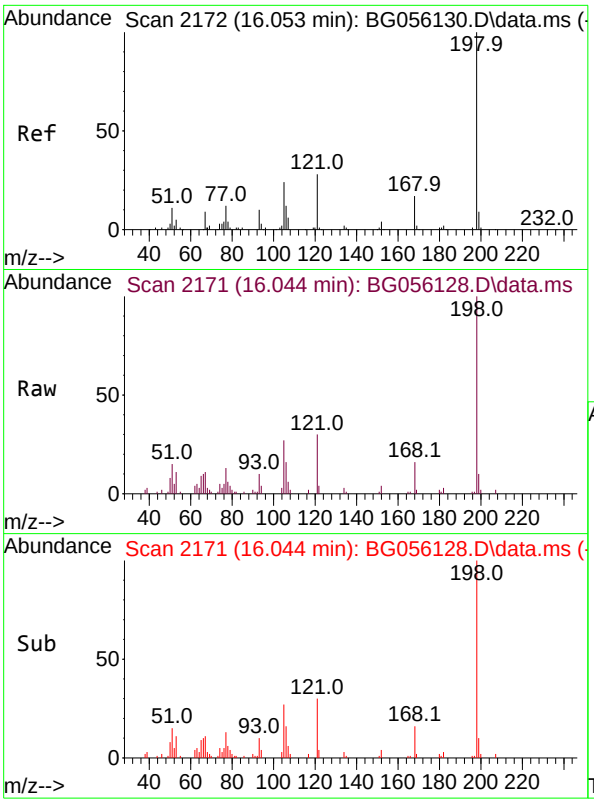


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.678 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:188 Resp: 411709

Ion	Ratio	Lower	Upper
188	100		
94	5.4	4.2	6.2
80	6.1	5.0	7.4

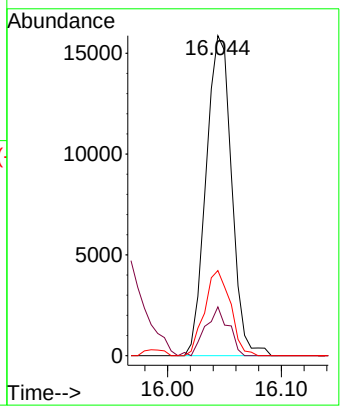




#65
4,6-Dinitro-2-methylphenol
Concen: 12.591 ng
RT: 16.044 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:198 Resp: 2476

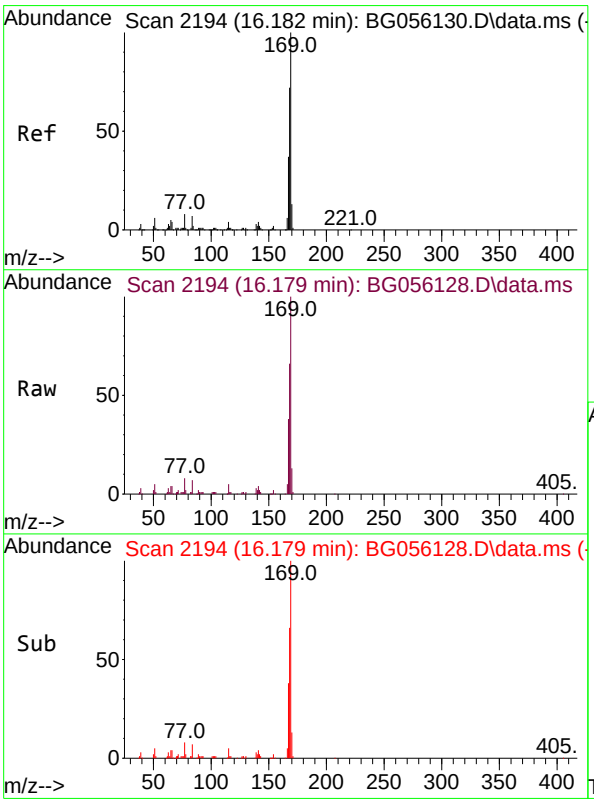
Ion	Ratio	Lower	Upper
198	100		
51	15.3	0.0	33.2
105	26.6	4.9	44.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

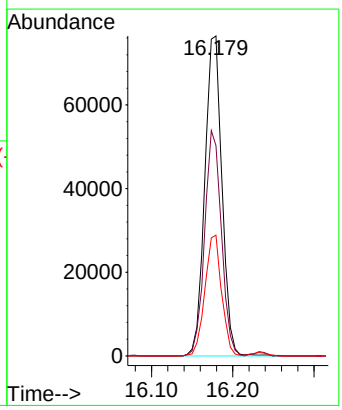
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

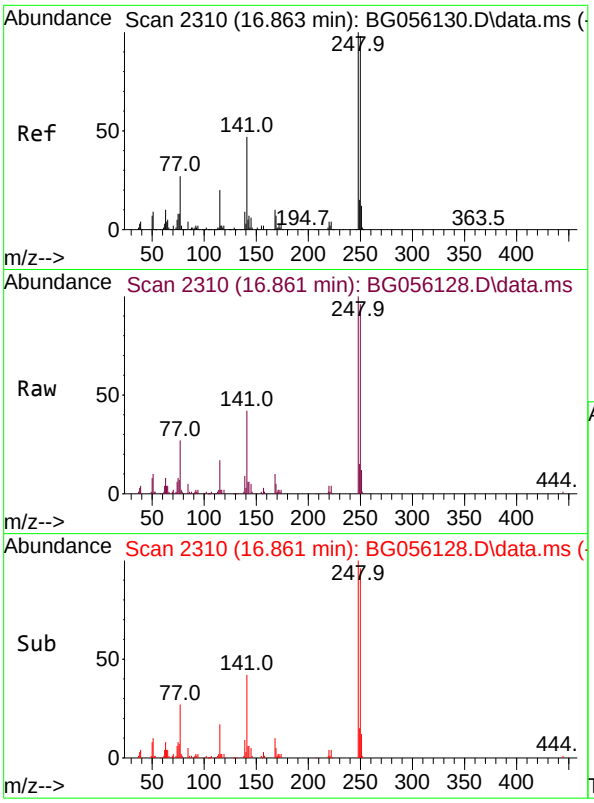


#66
n-Nitrosodiphenylamine
Concen: 10.403 ng
RT: 16.179 min Scan# 2194
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:169 Resp: 112233

Ion	Ratio	Lower	Upper
169	100		
168	65.7	58.0	87.0
167	37.7	30.0	45.0

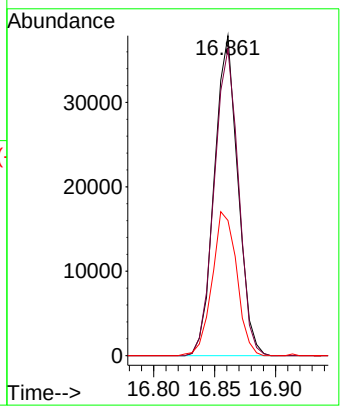




#67
4-Bromophenyl-phenylether
Concen: 8.453 ng
RT: 16.861 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:248 Resp: 5099

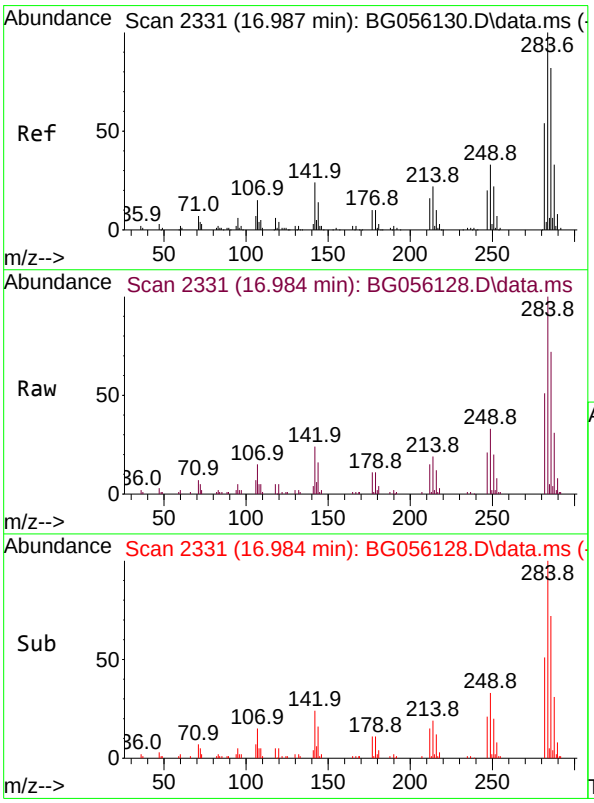
Ion	Ratio	Lower	Upper
248	100		
250	95.8	78.2	117.4
141	42.2	37.6	56.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

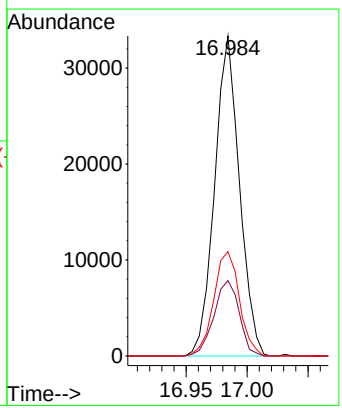
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

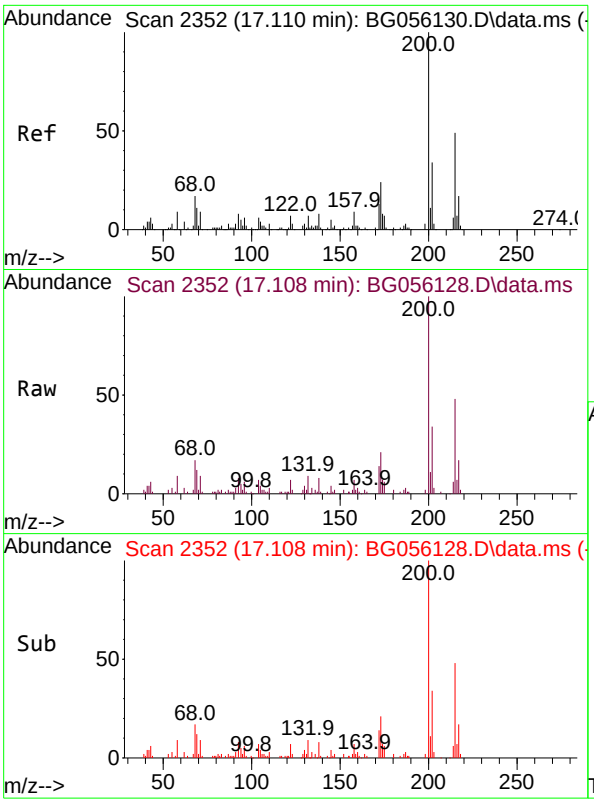


#68
Hexachlorobenzene
Concen: 6.351 ng
RT: 16.984 min Scan# 2331
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:284 Resp: 47192

Ion	Ratio	Lower	Upper
284	100		
142	23.5	19.0	28.6
249	35.1	26.6	39.8





#69
Atrazine
Concen: 9.906 ng
RT: 17.108 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

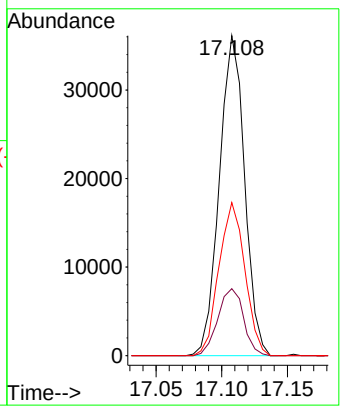
Tgt Ion:200 Resp: 4839

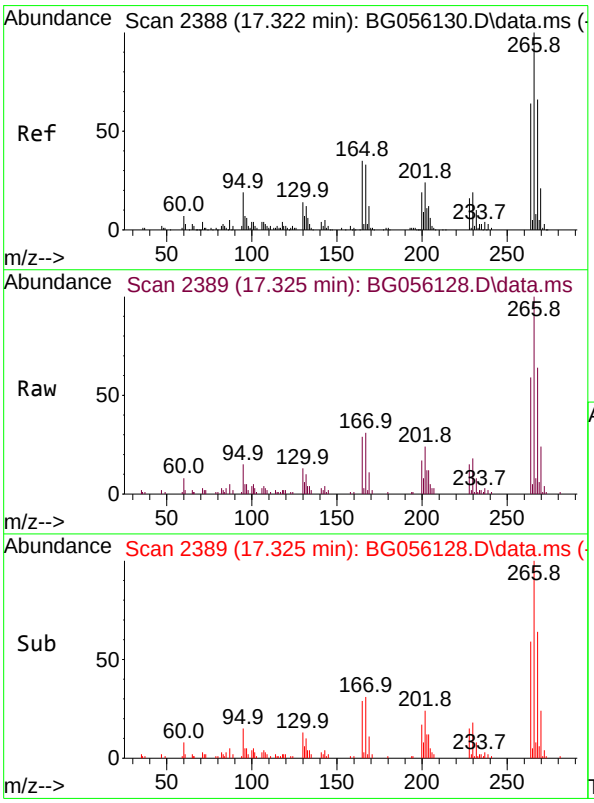
Ion	Ratio	Lower	Upper
200	100		
173	20.9	4.0	44.0
215	47.8	29.1	69.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

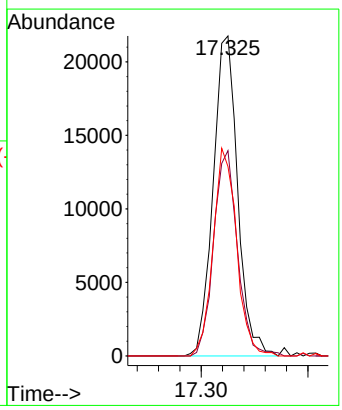


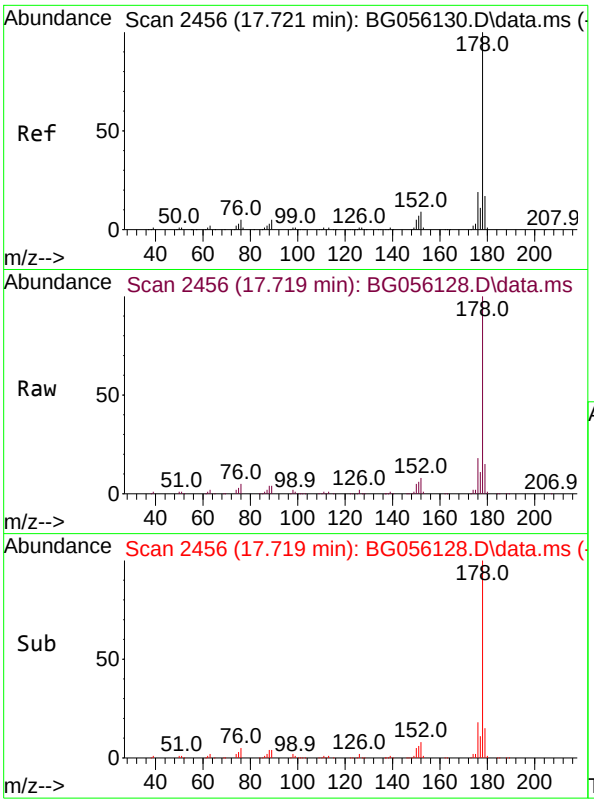


#70
Pentachlorophenol
Concen: 8.189 ng
RT: 17.325 min Scan# 2389
Delta R.T. 0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:266 Resp: 34788

Ion	Ratio	Lower	Upper
266	100		
268	64.1	53.0	79.4
264	59.2	51.4	77.2

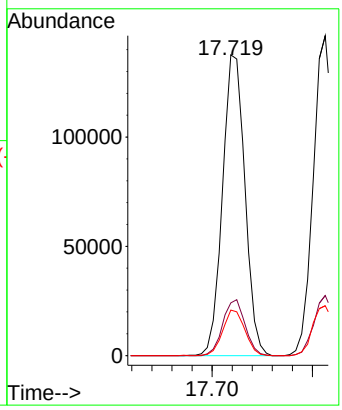




#71
Phenanthrene
Concen: 9.912 ng
RT: 17.719 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:178 Resp: 213851

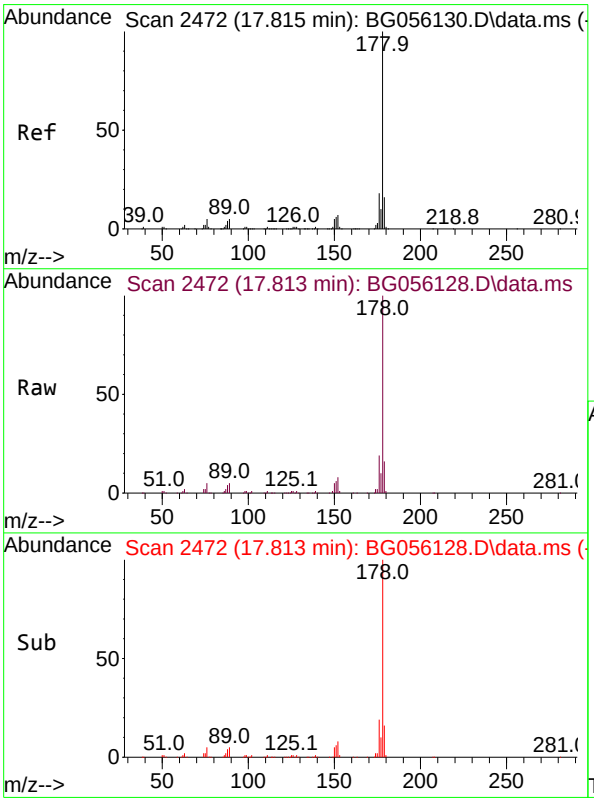
Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.0
179	15.1	13.6	20.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

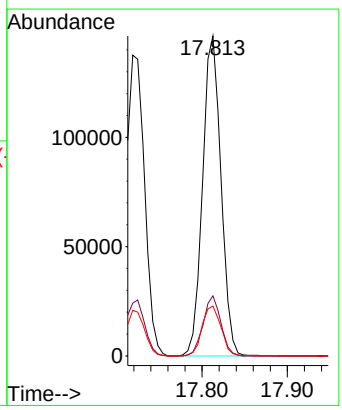
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

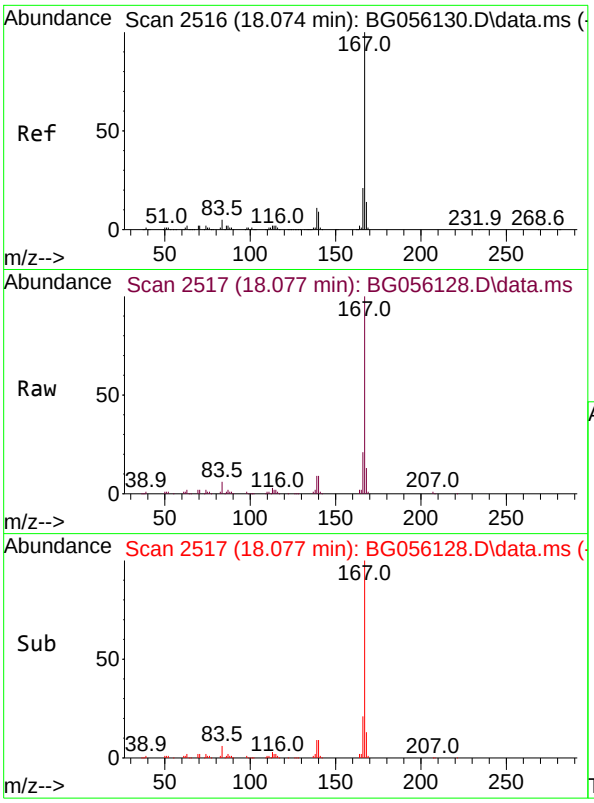


#72
Anthracene
Concen: 10.263 ng
RT: 17.813 min Scan# 2472
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:178 Resp: 219066

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	15.6	12.7	19.1

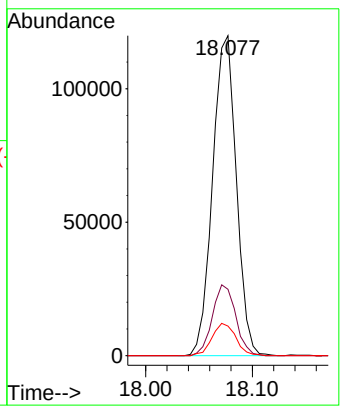




#73
Carbazole
Concen: 10.551 ng
RT: 18.077 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:167 Resp: 18573

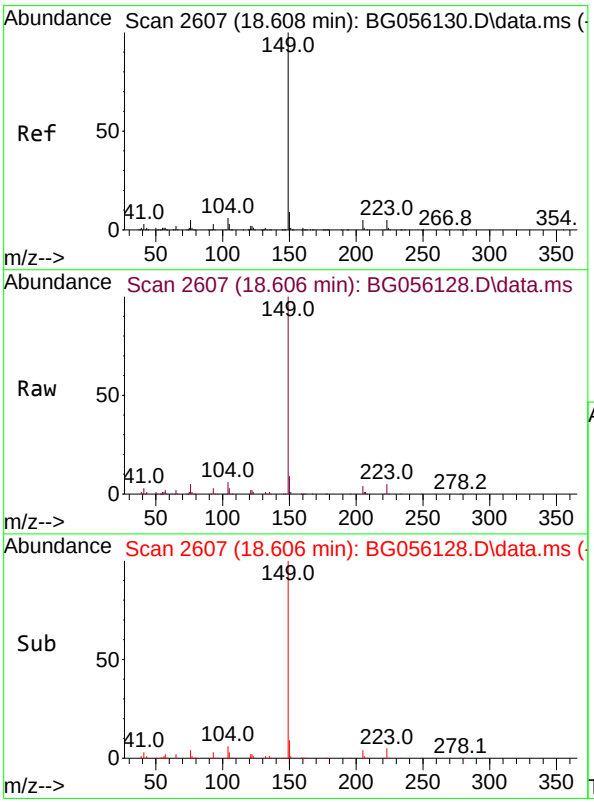
Ion	Ratio	Lower	Upper
167	100		
166	20.7	16.8	25.2
139	9.2	8.9	13.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

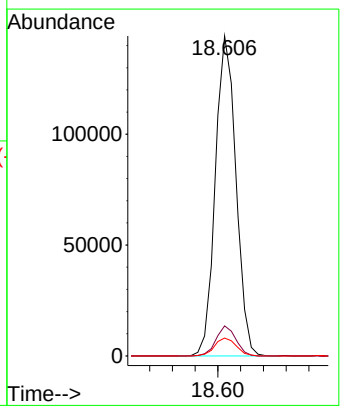
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

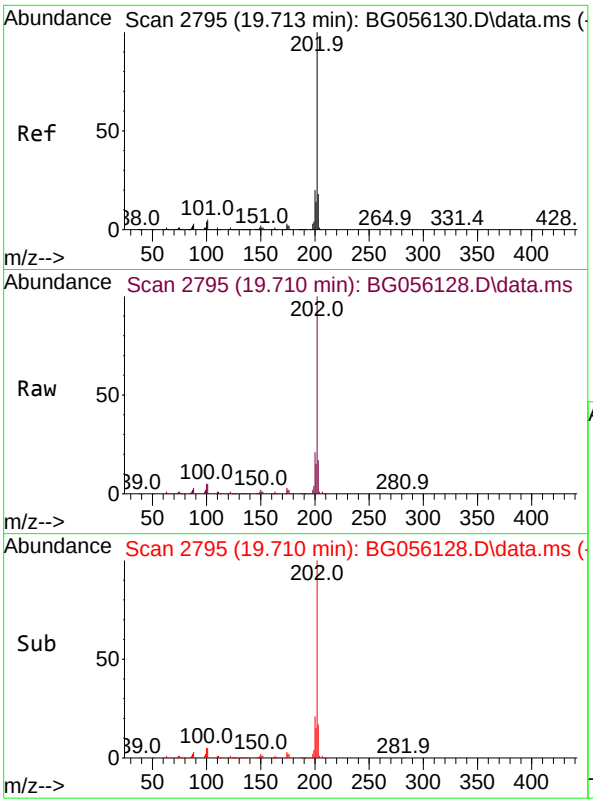


#74
Di-n-butylphthalate
Concen: 8.884 ng
RT: 18.606 min Scan# 2607
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:149 Resp: 181879

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.6	4.4	6.6

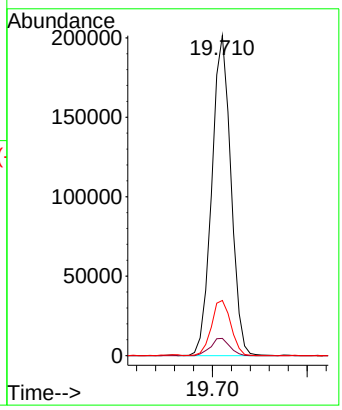




#75
Fluoranthene
Concen: 9.332 ng
RT: 19.710 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:202 Resp: 28195

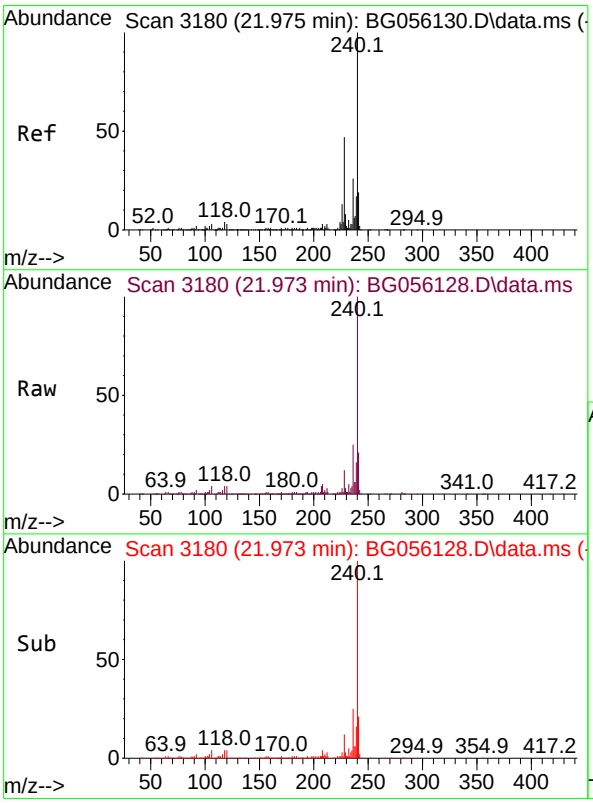
Ion	Ratio	Lower	Upper
202	100		
101	5.4	0.0	25.0
203	17.2	0.0	38.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

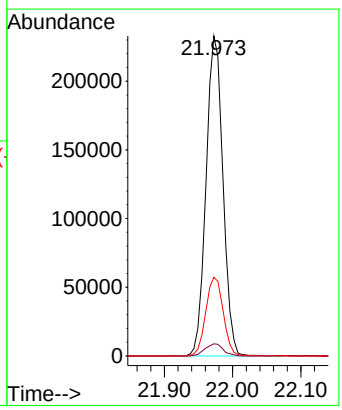
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

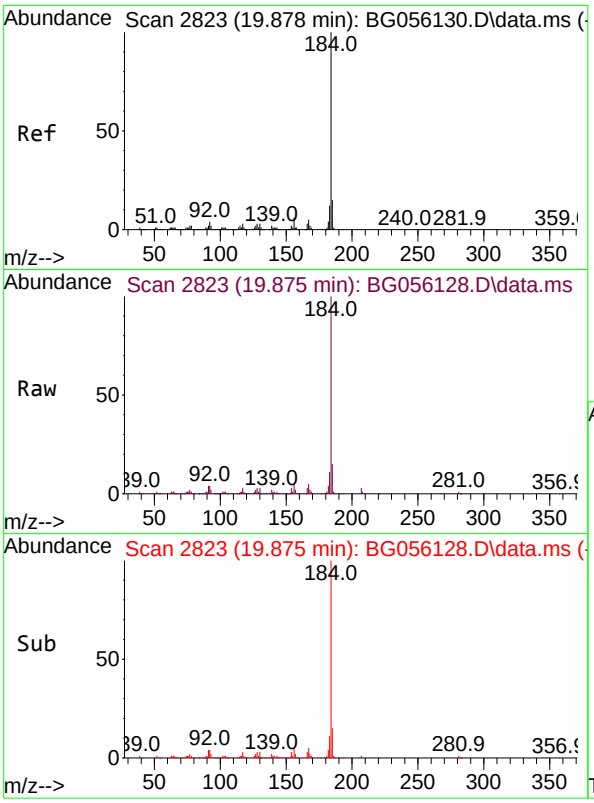


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.973 min Scan# 3180
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:240 Resp: 400467

Ion	Ratio	Lower	Upper
240	100		
120	3.8	2.6	4.0
236	24.6	20.8	31.2

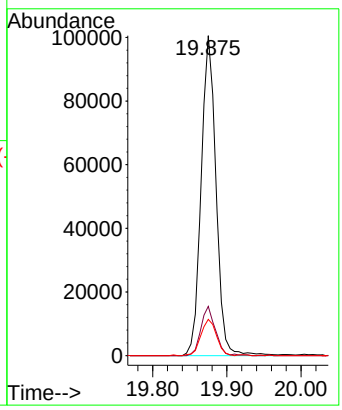




#77
Benzidine
Concen: 19.930 ng
RT: 19.875 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:184 Resp: 140168

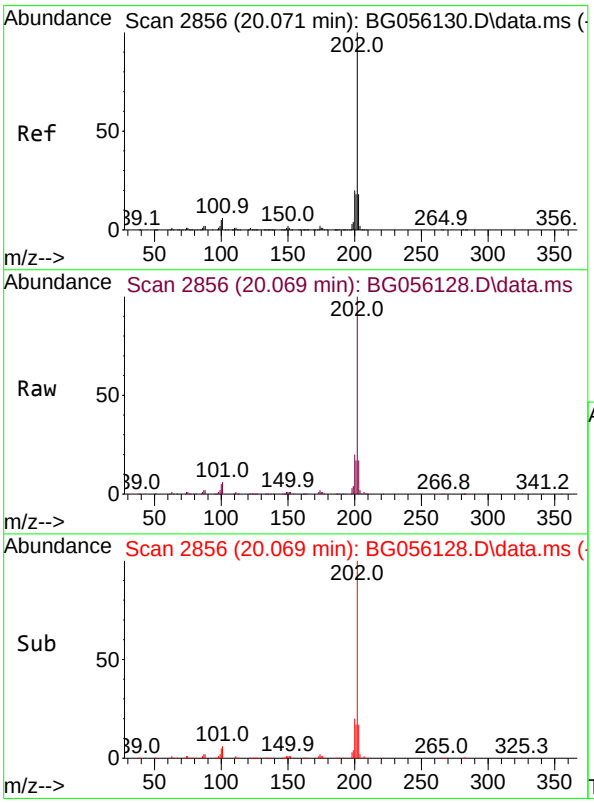
Ion	Ratio	Lower	Upper
184	100		
185	15.4	12.2	18.2
183	11.3	9.4	14.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

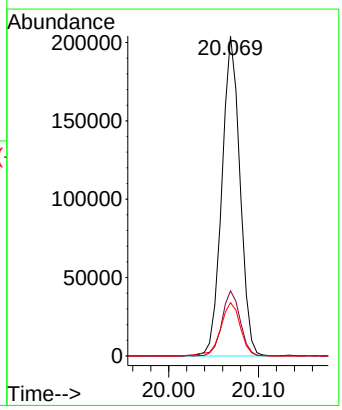
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

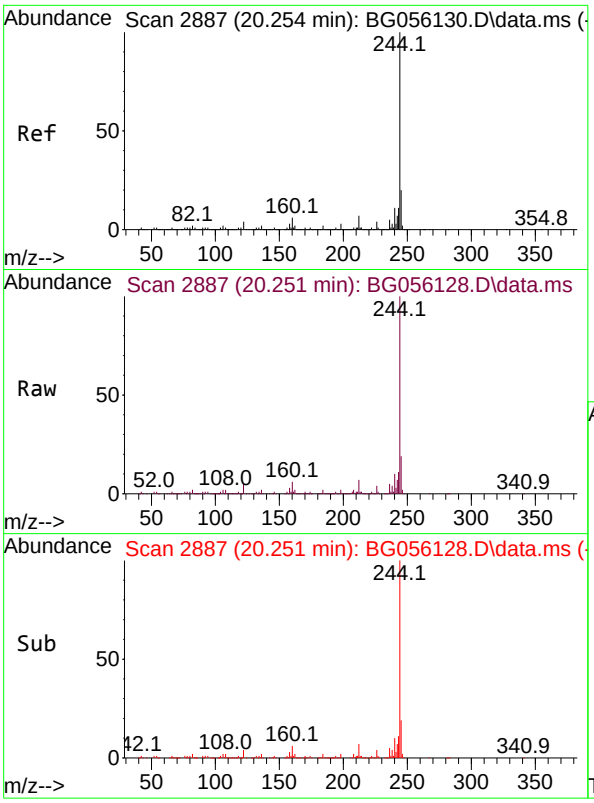


#78
Pyrene
Concen: 11.825 ng
RT: 20.069 min Scan# 2856
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:202 Resp: 286541

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.4	24.6
203	16.6	14.3	21.5

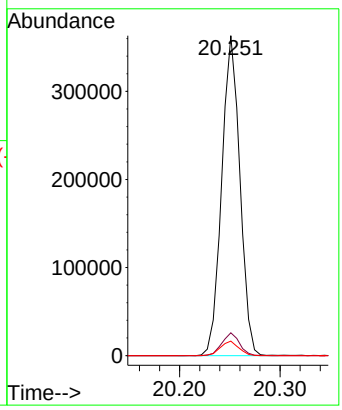




#79
Terphenyl-d14
Concen: 20.240 ng
RT: 20.251 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:244 Resp: 45862

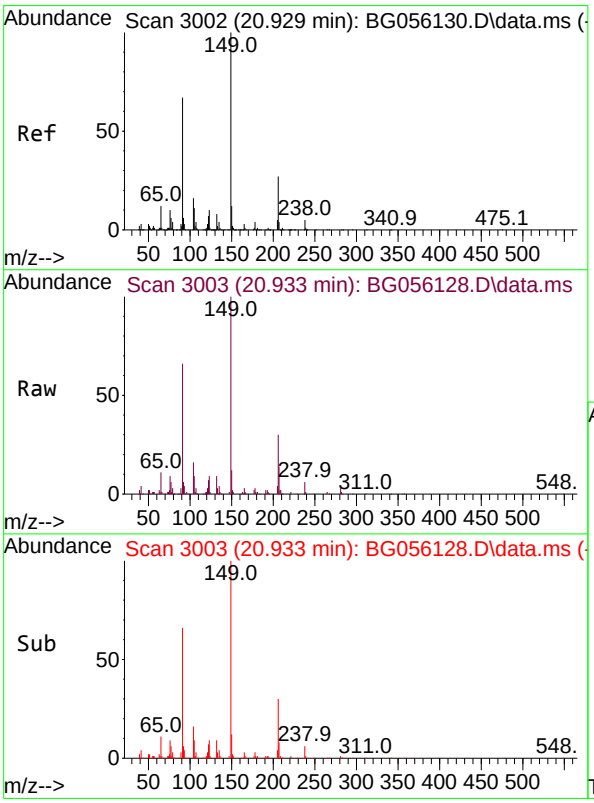
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	4.5	3.5	5.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

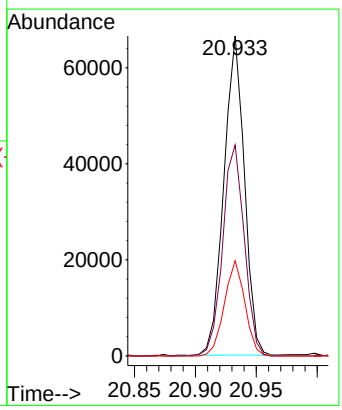
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

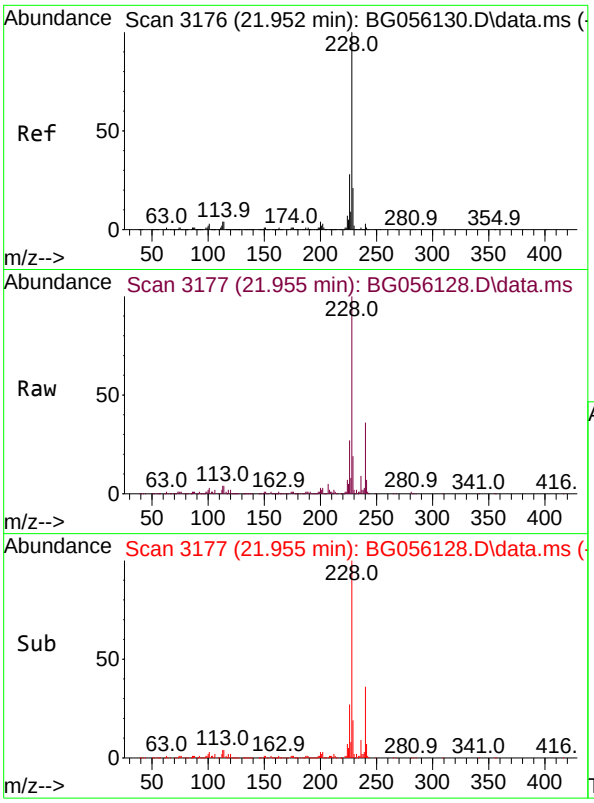


#80
Butylbenzylphthalate
Concen: 11.304 ng
RT: 20.933 min Scan# 3003
Delta R.T. 0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:149 Resp: 77622

Ion	Ratio	Lower	Upper
149	100		
91	65.9	53.5	80.3
206	29.8	21.9	32.9

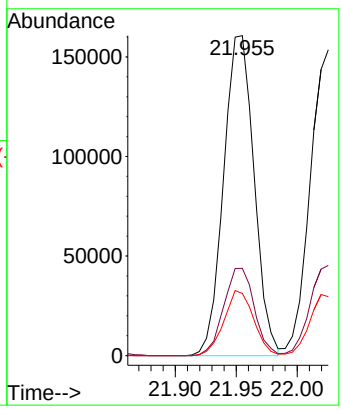




#81
Benzo(a)anthracene
Concen: 9.934 ng
RT: 21.955 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:228 Resp: 27994

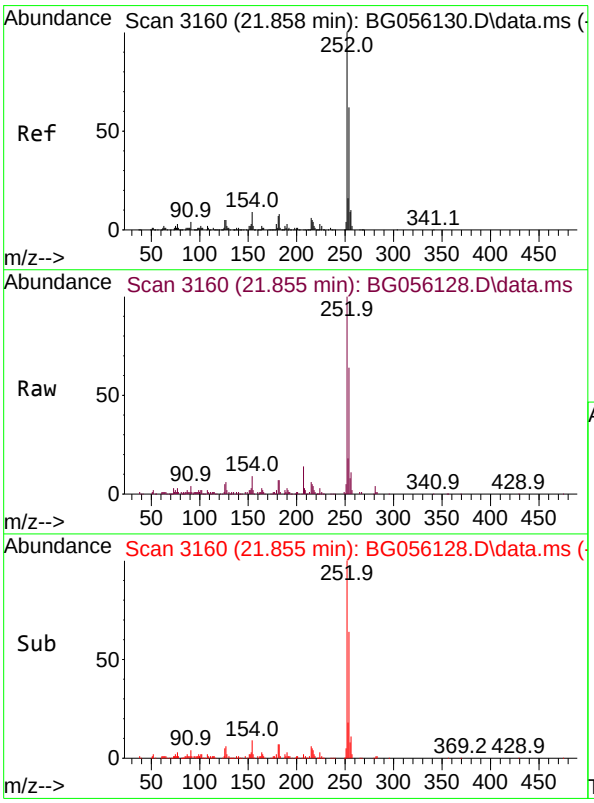
Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	34.0
229	19.4	16.9	25.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

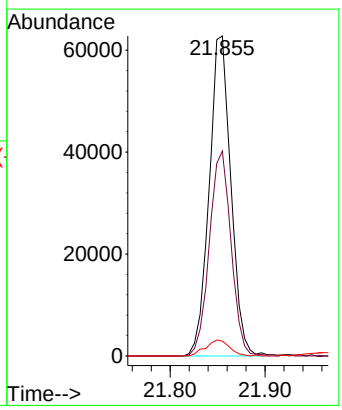
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

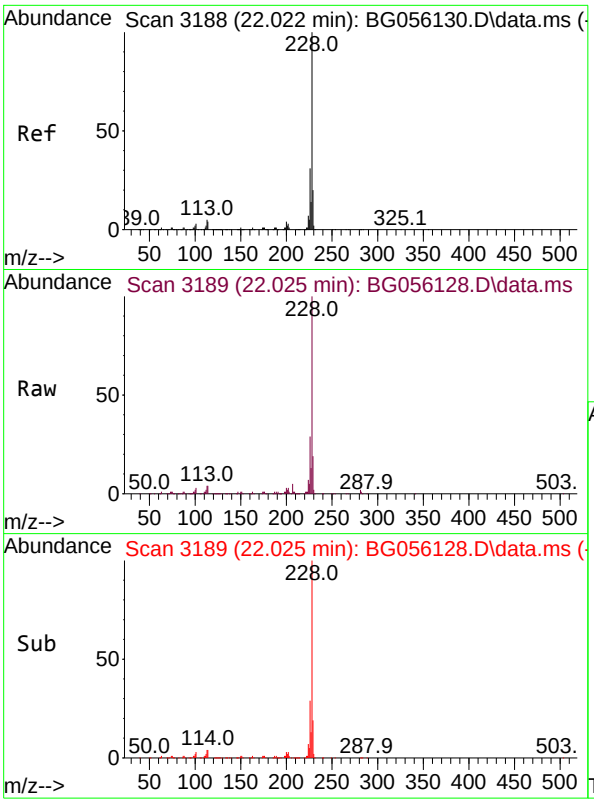


#82
3,3'-Dichlorobenzidine
Concen: 9.847 ng
RT: 21.855 min Scan# 3160
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:252 Resp: 99837

Ion	Ratio	Lower	Upper
252	100		
254	64.0	49.5	74.3
126	4.6	4.0	6.0

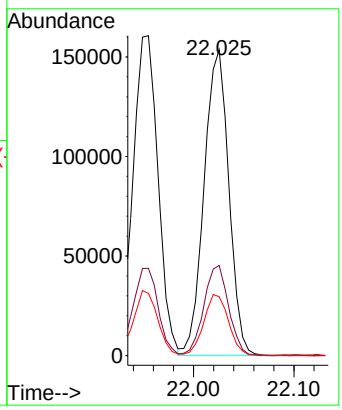




#83
Chrysene
Concen: 9.940 ng
RT: 22.025 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:228 Resp: 26253

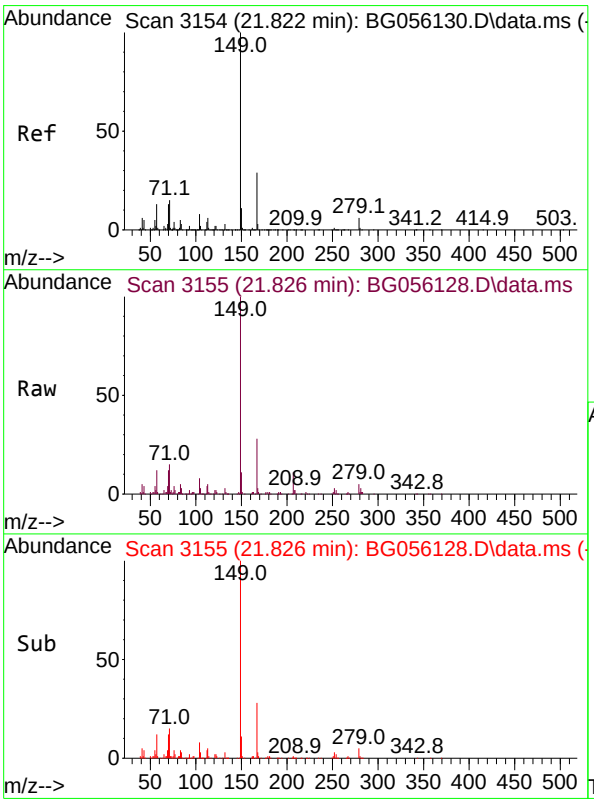
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.6	36.8
229	19.3	15.8	23.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

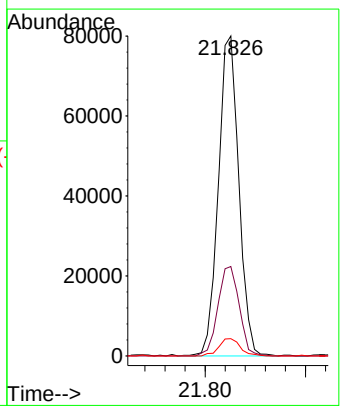
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

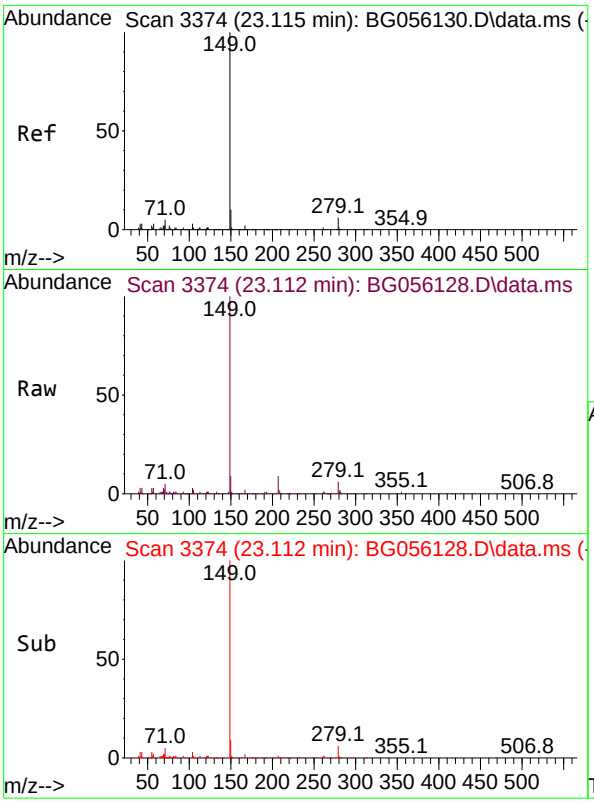


#84
Bis(2-ethylhexyl)phthalate
Concen: 11.121 ng
RT: 21.826 min Scan# 3155
Delta R.T. 0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:149 Resp: 113450

Ion	Ratio	Lower	Upper
149	100		
167	27.9	23.4	35.2
279	5.4	4.7	7.1





#85
Di-n-octyl phthalate
Concen: 11.254 ng
RT: 23.112 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

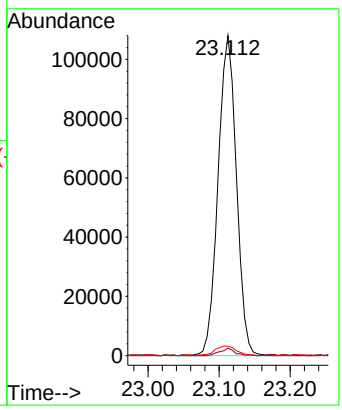
Tgt Ion:149 Resp: 19474

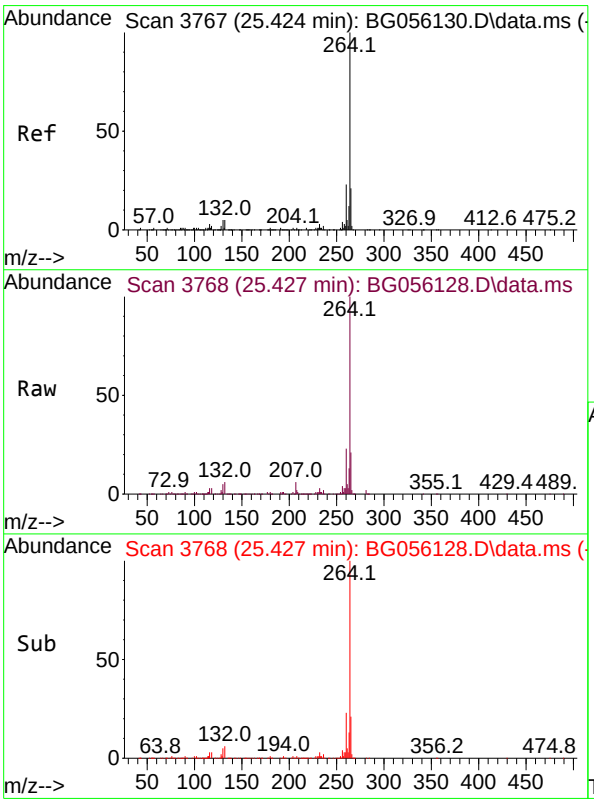
Ion	Ratio	Lower	Upper
149	100		
167	1.9	1.4	2.2
43	3.6	2.9	4.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

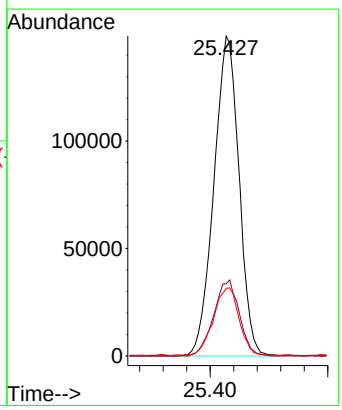


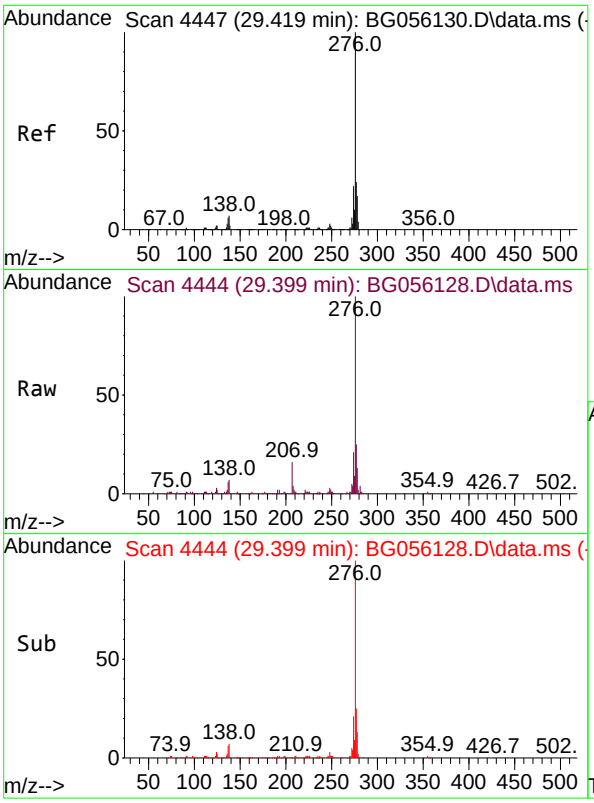


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.427 min Scan# 3768
Delta R.T. 0.003 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:264 Resp: 440912

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.6	28.0
265	21.1	16.7	25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.885 ng
RT: 29.399 min Scan# 44
Delta R.T. -0.020 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

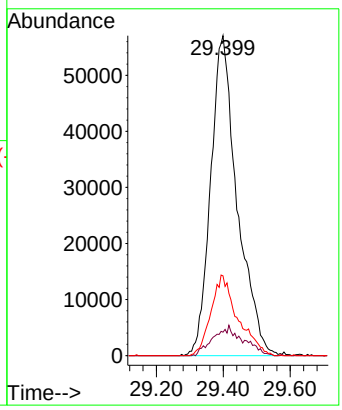
Tgt Ion:276 Resp: 31502

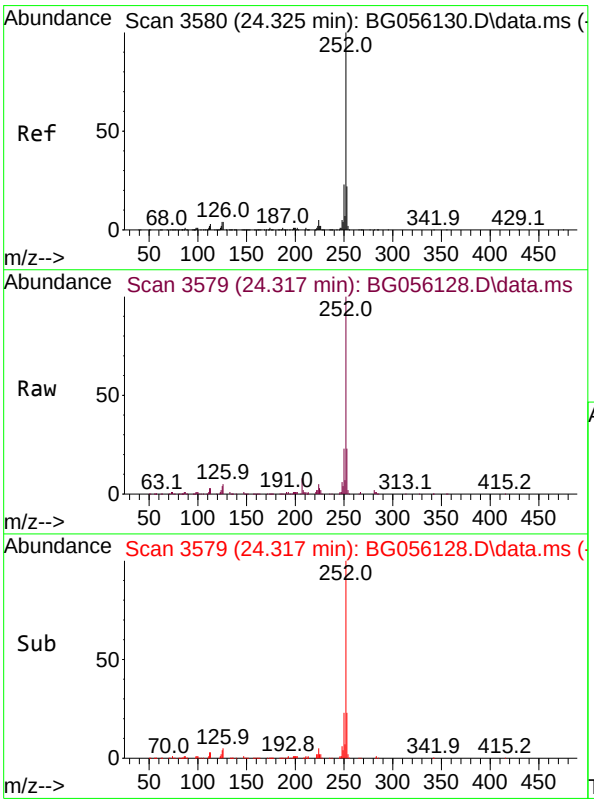
Ion	Ratio	Lower	Upper
276	100		
138	0.0	5.0	7.4
277	25.3	20.5	30.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

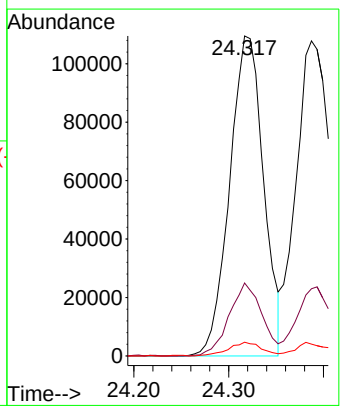


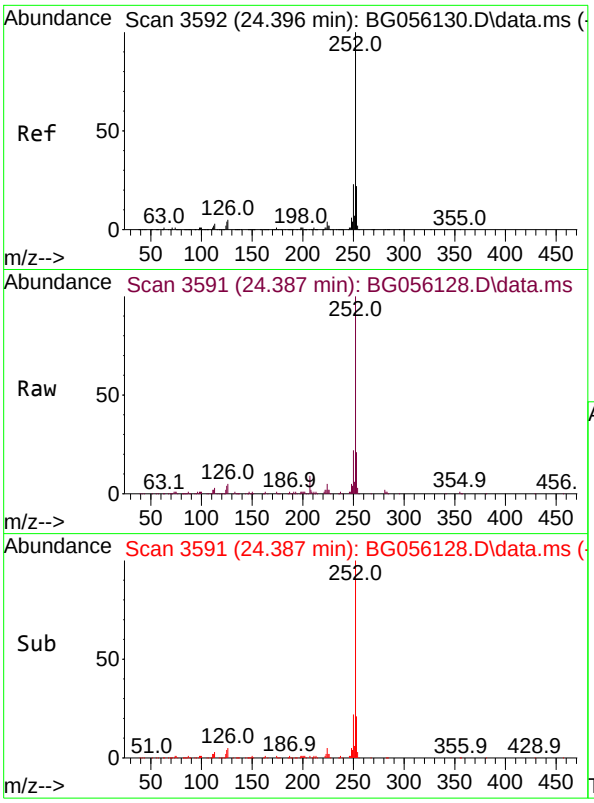


#88
Benzo(b)fluoranthene
Concen: 9.544 ng
RT: 24.317 min Scan# 3579
Delta R.T. -0.008 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:252 Resp: 272349

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	4.3	3.0	4.4

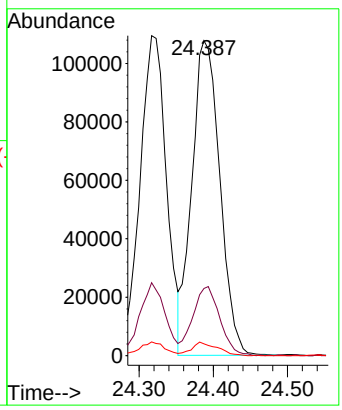




#89
Benzo(k)fluoranthene
Concen: 9.943 ng
RT: 24.387 min Scan# 3
Delta R.T. -0.008 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:252 Resp: 28307

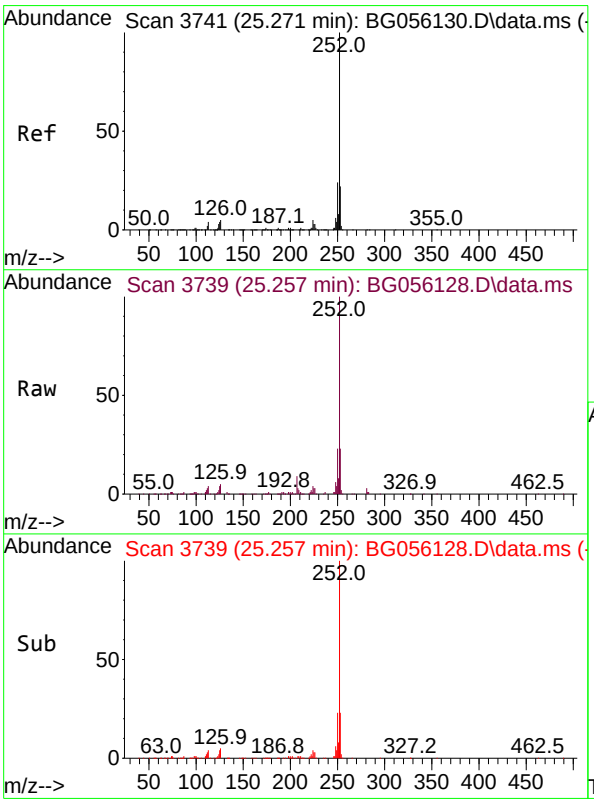
Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.5	26.3
125	3.7	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

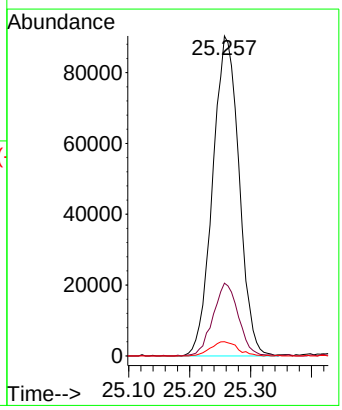
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

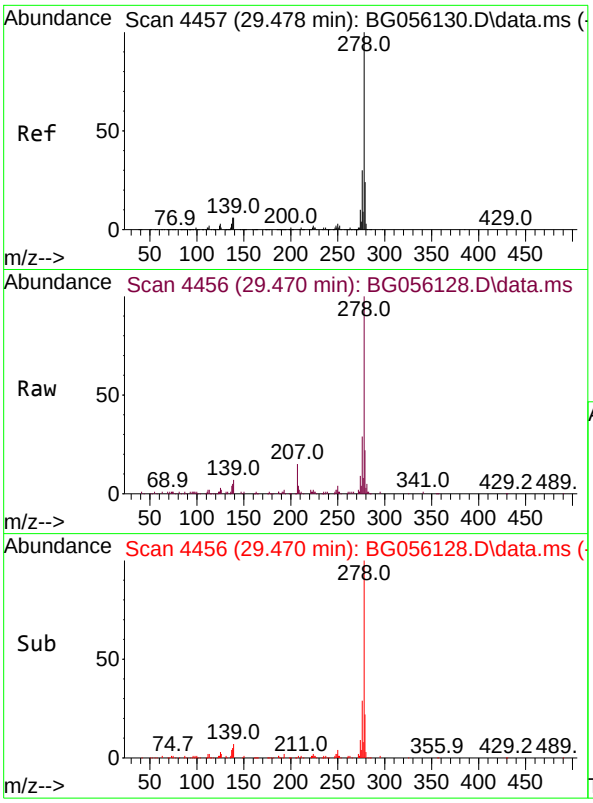


#90
Benzo(a)pyrene
Concen: 11.270 ng
RT: 25.257 min Scan# 3739
Delta R.T. -0.014 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:252 Resp: 271843

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	4.4	3.2	4.8

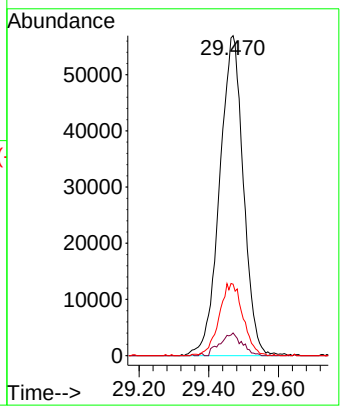




#91
Dibenzo(a,h)anthracene
Concen: 9.077 ng
RT: 29.470 min Scan# 44
Delta R.T. -0.008 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:278 Resp: 26935

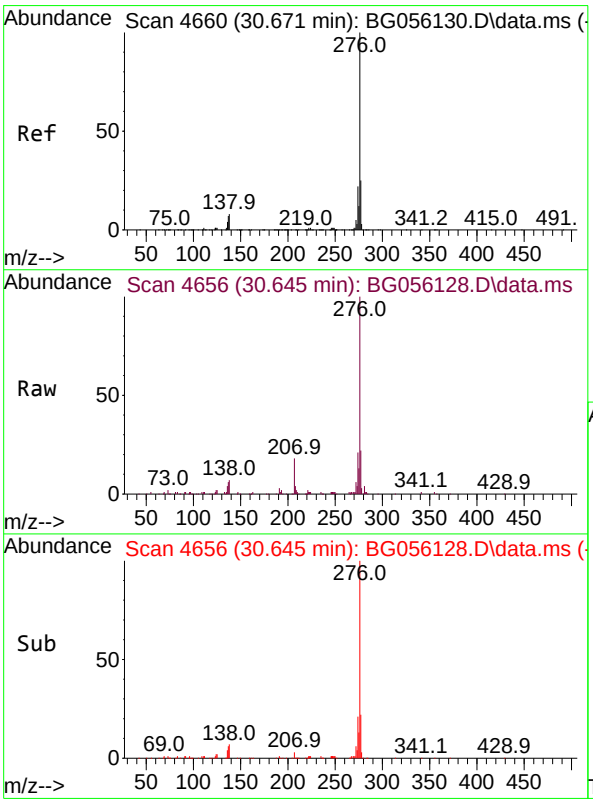
Ion	Ratio	Lower	Upper
278	100		
139	7.1	4.8	7.2
279	22.3	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

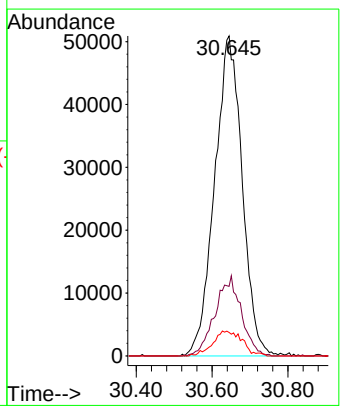
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#92
Benzo(g,h,i)perylene
Concen: 8.928 ng
RT: 30.645 min Scan# 4656
Delta R.T. -0.026 min
Lab File: BG056128.D
Acq: 27 Dec 2022 16:17

Tgt Ion:276 Resp: 256170

Ion	Ratio	Lower	Upper
276	100		
277	21.7	19.7	29.5
138	7.3	6.7	10.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056129.D
Acq On : 27 Dec 2022 16:58
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

Quant Time: Dec 28 04:54:06 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.338	152	40608	20.000	ng		0.00
21) Naphthalene-d8	11.169	136	162329	20.000	ng		0.00
39) Acenaphthene-d10	14.947	164	143990	20.000	ng		0.00
64) Phenanthrene-d10	17.679	188	389214	20.000	ng		0.00
76) Chrysene-d12	21.974	240	380242	20.000	ng		0.00
86) Perylene-d12	25.423	264	417769	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.852	112	93989	54.280	ng		0.00
7) Phenol-d6	7.468	99	144629	64.943	ng		0.00
23) Nitrobenzene-d5	9.513	82	130103	56.009	ng		0.00
42) 2,4,6-Tribromophenol	16.422	330	74388	21.425	ng		0.00
45) 2-Fluorobiphenyl	13.573	172	417747	40.689	ng		0.00
79) Terphenyl-d14	20.253	244	866677	40.284	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.678	88	21725m	43.113	ng		
3) Pyridine	4.095	79	68207	41.129	ng		96
4) n-Nitrosodimethylamine	4.007	42	13404	8.991	ng	#	97
6) Aniline	7.650	93	94653	35.499	ng		98
8) 2-Chlorophenol	7.891	128	46957	21.020	ng		93
9) Benzaldehyde	7.462	77	44981	32.161	ng		98
10) Phenol	7.491	94	73308	30.077	ng		94
11) bis(2-Chloroethyl)ether	7.738	93	52185	32.870	ng		98
12) 1,3-Dichlorobenzene	8.226	146	56188	19.444	ng		94
13) 1,4-Dichlorobenzene	8.373	146	56599	19.165	ng		96
14) 1,2-Dichlorobenzene	8.696	146	55812	19.775	ng		97
15) Benzyl Alcohol	8.567	79	52386	22.638	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.855	45	8759	4.239	ng		89
17) 2-Methylphenol	8.766	107	53905	28.109	ng		93
18) Hexachloroethane	9.436	117	17452	19.468	ng		92
19) n-Nitroso-di-n-propyla...	9.137	70	44170	27.670	ng		98
20) 3+4-Methylphenols	9.090	107	74649	27.278	ng		98
22) Acetophenone	9.160	105	92836	23.070	ng		97
24) Nitrobenzene	9.548	77	63241	27.048	ng		99
25) Isophorone	10.071	82	134386	27.590	ng		99
26) 2-Nitrophenol	10.265	139	31704	22.905	ng		99
27) 2,4-Dimethylphenol	10.312	122	60320	25.949	ng		97
28) bis(2-Chloroethoxy)met...	10.547	93	73122	33.967	ng	#	98
29) 2,4-Dichlorophenol	10.799	162	64460	19.537	ng		98
30) 1,2,4-Trichlorobenzene	11.028	180	73297	17.090	ng		99
31) Naphthalene	11.222	128	172775	20.172	ng		98
32) Benzoic acid	10.394	122	46134	25.727	ng		95
33) 4-Chloroaniline	11.316	127	81286	22.138	ng		99
34) Hexachlorobutadiene	11.498	225	53071	13.162	ng		98
35) Caprolactam	12.063	113	23561	25.630	ng		95
36) 4-Chloro-3-methylphenol	12.403	107	67704	21.884	ng		96
37) 2-Methylnaphthalene	12.803	142	142586	18.842	ng		99
38) 1-Methylnaphthalene	13.014	142	136981	18.581	ng		95
40) 1,2,4,5-Tetrachloroben...	13.155	216	108015	17.780	ng		99
41) Hexachlorocyclopentadiene	13.138	237	59739	17.333	ng		96
43) 2,4,6-Trichlorophenol	13.385	196	71184	19.794	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056129.D
Acq On : 27 Dec 2022 16:58
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

Quant Time: Dec 28 04:54:06 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.455	196	83267	20.540	ng		99
46) 1,1'-Biphenyl	13.784	154	208463	21.359	ng		99
47) 2-Chloronaphthalene	13.837	162	160877	20.286	ng		99
48) 2-Nitroaniline	14.025	65	35104	26.462	ng		97
49) Acenaphthylene	14.671	152	265093	20.942	ng		99
50) Dimethylphthalate	14.383	163	241055	19.364	ng		97
51) 2,6-Dinitrotoluene	14.507	165	49255	25.568	ng		96
52) Acenaphthene	15.012	154	173041	20.362	ng		99
53) 3-Nitroaniline	14.836	138	47310	24.144	ng		95
54) 2,4-Dinitrophenol	15.036	184	35907	25.072	ng		96
55) Dibenzofuran	15.335	168	290124	20.302	ng		99
56) 4-Nitrophenol	15.118	139	36868	23.479	ng		89
57) 2,4-Dinitrotoluene	15.288	165	70249	24.158	ng		94
58) Fluorene	15.987	166	233762	20.011	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.558	232	81990	17.704	ng	#	98
60) Diethylphthalate	15.729	149	220798	18.146	ng		99
61) 4-Chlorophenyl-phenyle...	15.964	204	144980	18.218	ng		96
62) 4-Nitroaniline	15.987	138	49914	23.391	ng		92
63) Azobenzene	16.258	77	173725	23.458	ng		97
65) 4,6-Dinitro-2-methylph...	16.046	198	52373	28.168	ng		97
66) n-Nitrosodiphenylamine	16.175	169	216417	21.218	ng		98
67) 4-Bromophenyl-phenylether	16.857	248	98820	17.327	ng		96
68) Hexachlorobenzene	16.986	284	91566	13.035	ng		100
69) Atrazine	17.110	200	90393	19.573	ng		99
70) Pentachlorophenol	17.321	266	70361	17.520	ng		96
71) Phenanthrene	17.721	178	406188	19.914	ng		99
72) Anthracene	17.815	178	423455	20.985	ng		98
73) Carbazole	18.073	167	352090	21.156	ng		99
74) Di-n-butylphthalate	18.608	149	355389	18.362	ng		99
75) Fluoranthene	19.712	202	539062	18.874	ng		99
77) Benzidine	19.877	184	265540	39.765	ng		99
78) Pyrene	20.071	202	541364	23.529	ng		99
80) Butylbenzylphthalate	20.929	149	152503	23.391	ng		96
81) Benzo(a)anthracene	21.951	228	532675	19.908	ng		99
82) 3,3'-Dichlorobenzidine	21.851	252	191986	19.943	ng		98
83) Chrysene	22.021	228	499820	19.931	ng		99
84) Bis(2-ethylhexyl)phtha...	21.822	149	214945	22.190	ng		98
85) Di-n-octyl phthalate	23.108	149	371119	22.586	ng		100
87) Indeno(1,2,3-cd)pyrene	29.407	276	604461	17.993	ng	#	97
88) Benzo(b)fluoranthene	24.319	252	536655m	19.849	ng		
89) Benzo(k)fluoranthene	24.395	252	520150	19.282	ng		100
90) Benzo(a)pyrene	25.259	252	513781	22.481	ng		97
91) Dibenzo(a,h)anthracene	29.472	278	510236	18.146	ng		98
92) Benzo(g,h,i)perylene	30.647	276	492382	18.111	ng		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

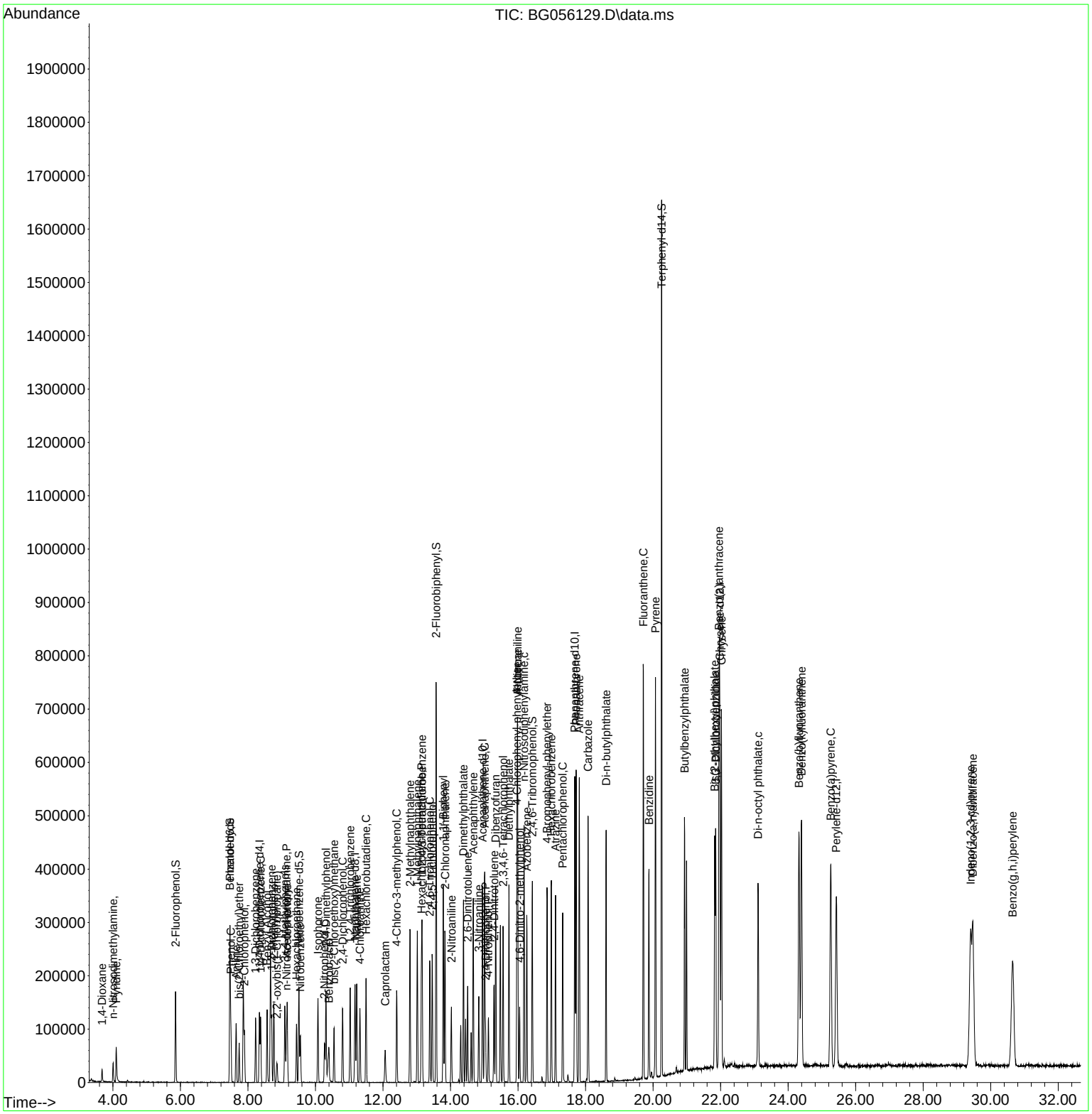
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056129.D
Acq On : 27 Dec 2022 16:58
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

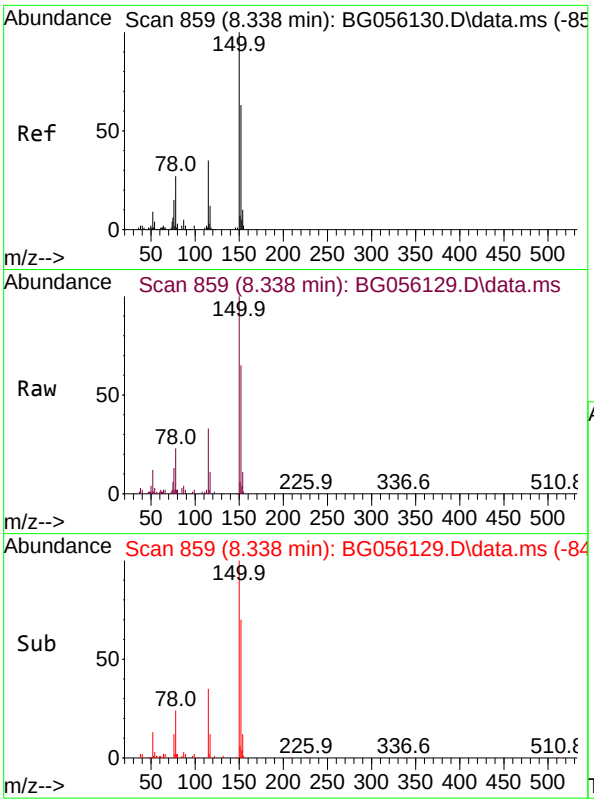
Quant Time: Dec 28 04:54:06 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

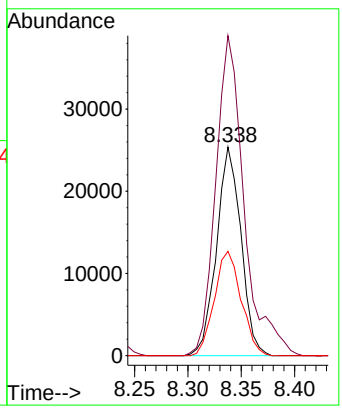




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.338 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:152 Resp: 4060

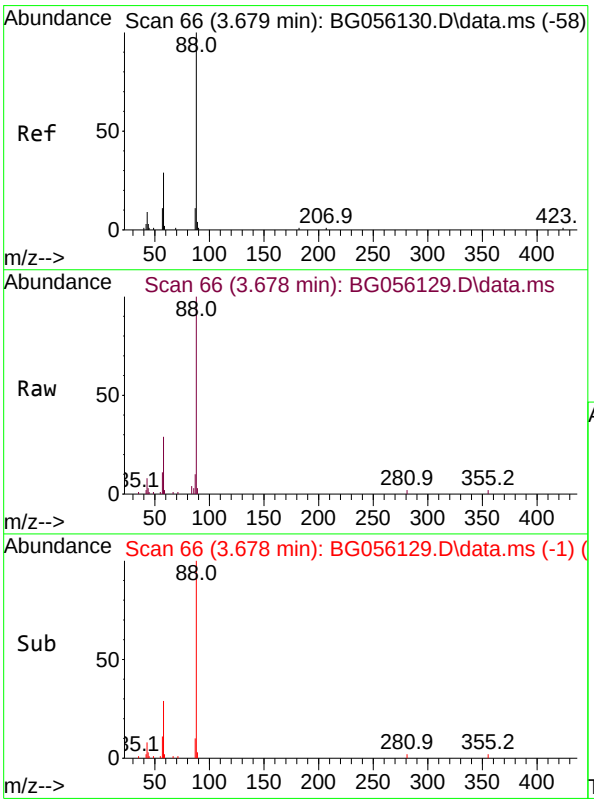
Ion	Ratio	Lower	Upper
152	100		
150	153.5	127.9	191.9
115	50.0	44.2	66.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

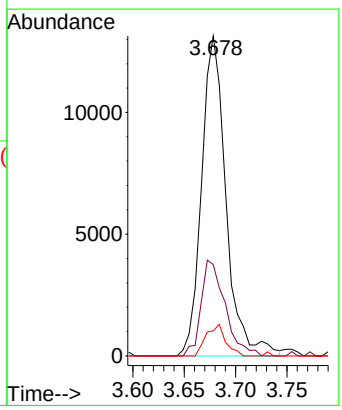
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

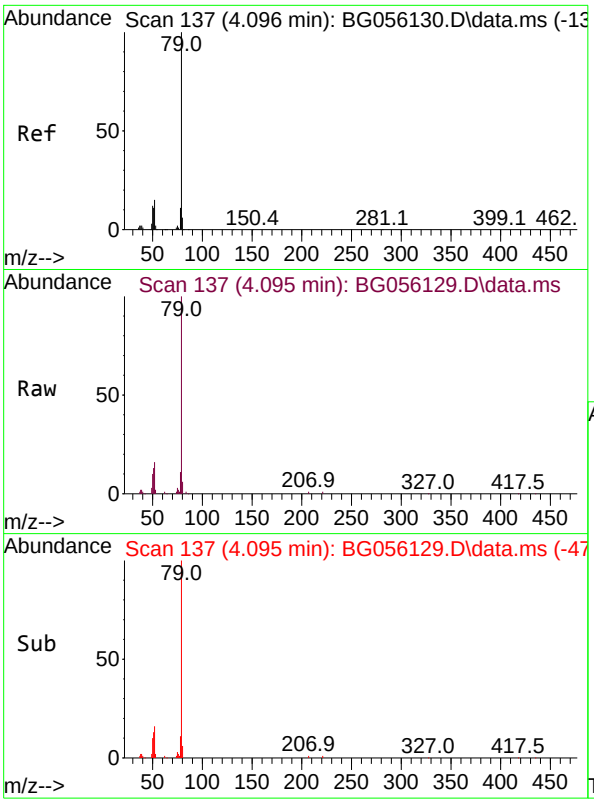


#2
1,4-Dioxane
Concen: 43.113 ng m
RT: 3.678 min Scan# 66
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 88 Resp: 21725

Ion	Ratio	Lower	Upper
88	100		
58	29.3	21.4	32.0
43	7.8	7.1	10.7

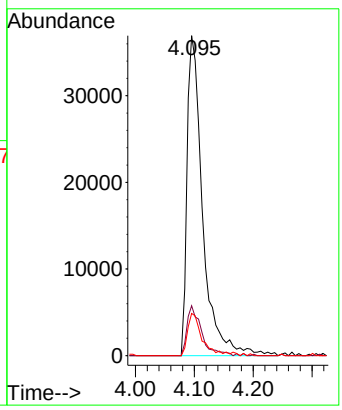




#3
Pyridine
Concen: 41.129 ng
RT: 4.095 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 79 Resp: 6820

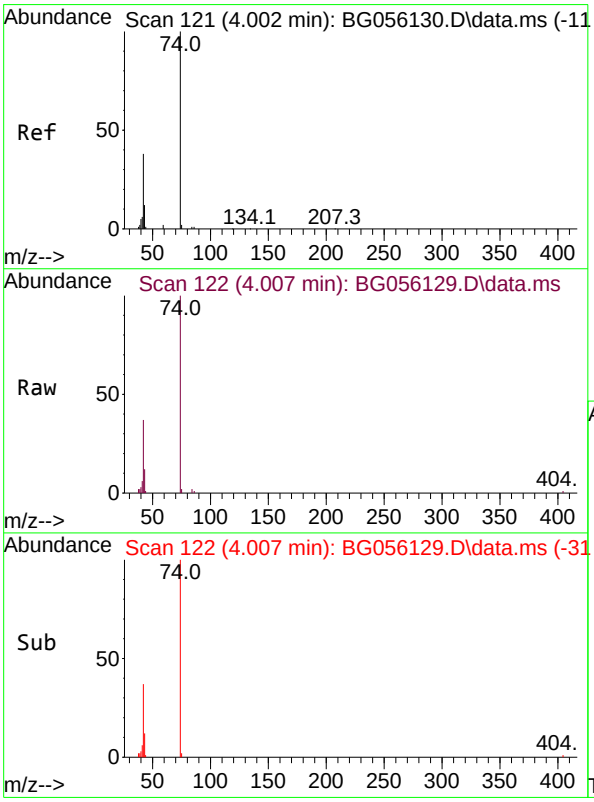
Ion	Ratio	Lower	Upper
79	100		
52	15.6	11.8	17.6
51	13.2	8.8	13.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

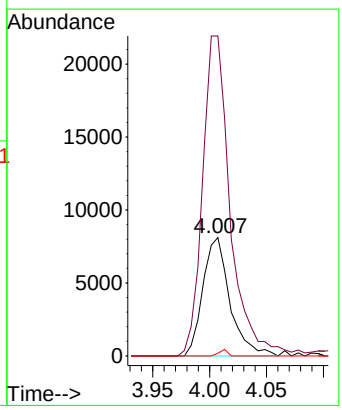
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

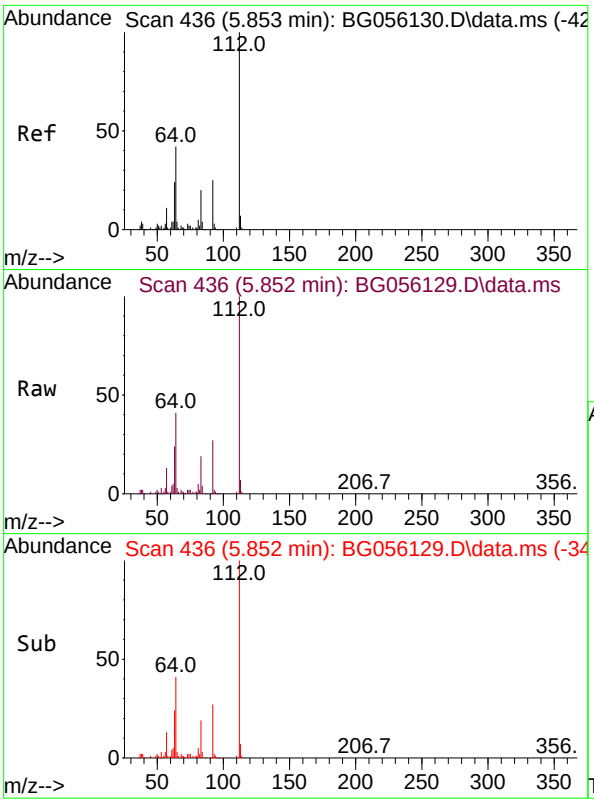


#4
n-Nitrosodimethylamine
Concen: 8.991 ng
RT: 4.007 min Scan# 122
Delta R.T. 0.005 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 42 Resp: 13404

Ion	Ratio	Lower	Upper
42	100		
74	270.6	212.6	319.0
44	2.2	2.6	3.8#

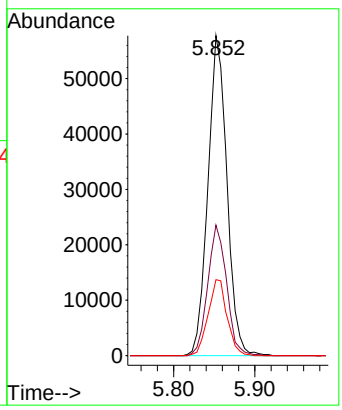




#5
2-Fluorophenol
Concen: 54.280 ng
RT: 5.852 min Scan# 4
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:112 Resp: 9398

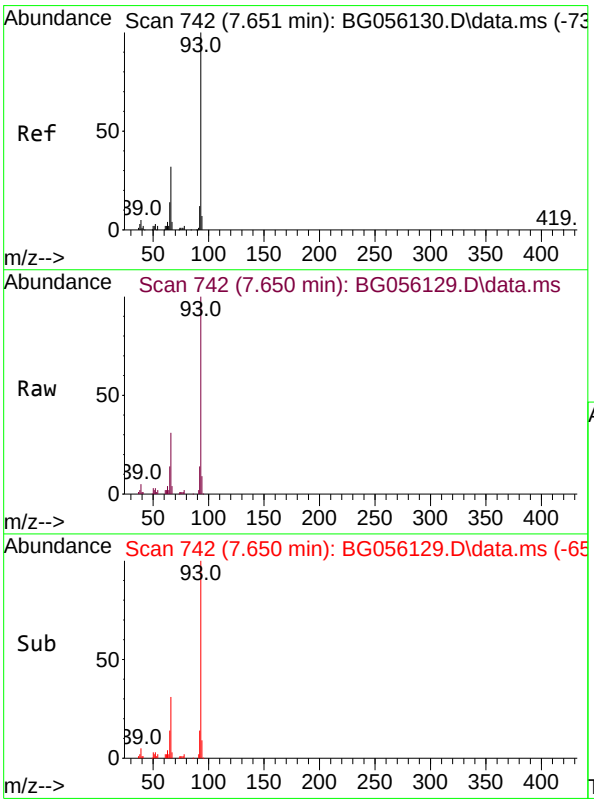
Ion	Ratio	Lower	Upper
112	100		
64	40.8	33.3	49.9
63	23.7	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

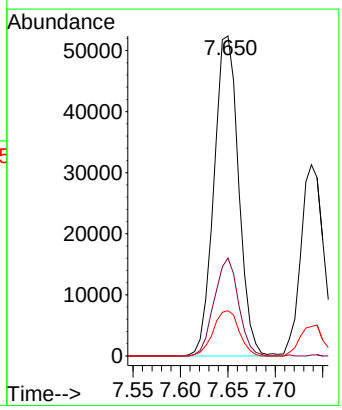
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

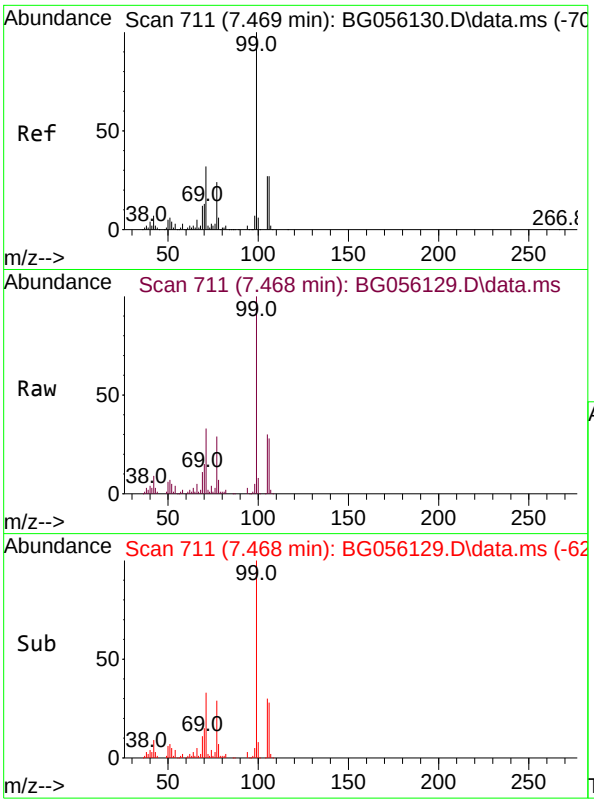


#6
Aniline
Concen: 35.499 ng
RT: 7.650 min Scan# 742
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 93 Resp: 94653

Ion	Ratio	Lower	Upper
93	100		
66	30.6	25.4	38.2
65	14.2	11.4	17.2

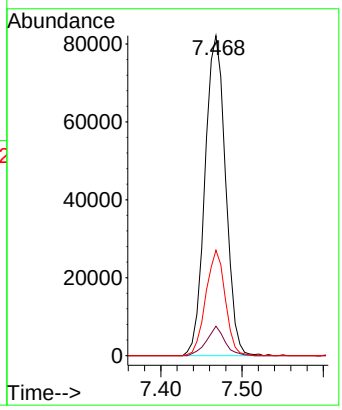




#7
Phenol-d6
Concen: 64.943 ng
RT: 7.468 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 99 Resp: 14462

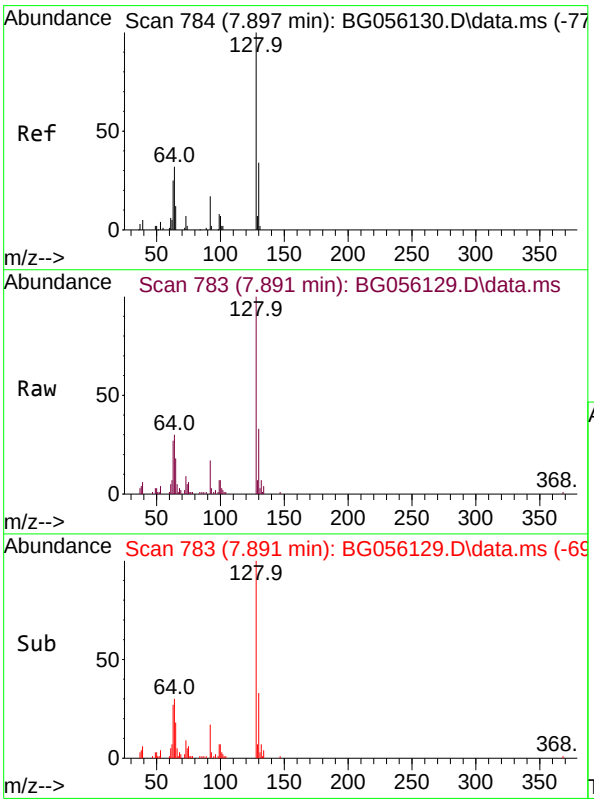
Ion	Ratio	Lower	Upper
99	100		
42	9.2	5.9	8.9
71	32.9	25.4	38.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

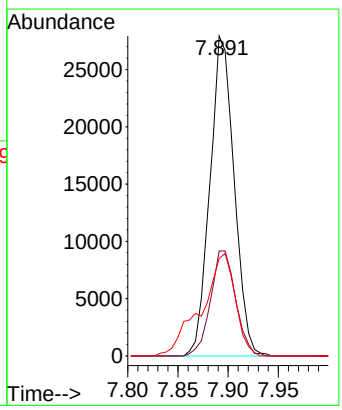
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

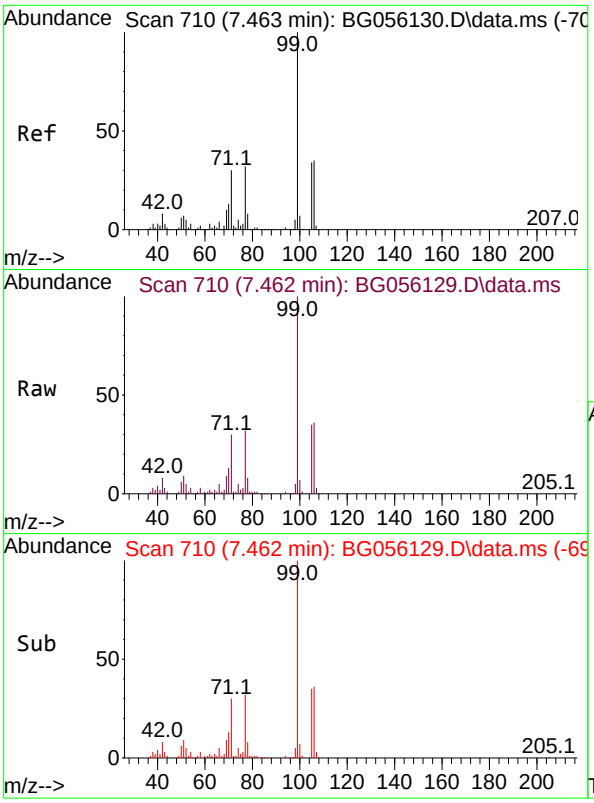


#8
2-Chlorophenol
Concen: 21.020 ng
RT: 7.891 min Scan# 783
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:128 Resp: 46957

Ion	Ratio	Lower	Upper
128	100		
130	32.8	13.5	53.5
64	30.5	18.0	58.0

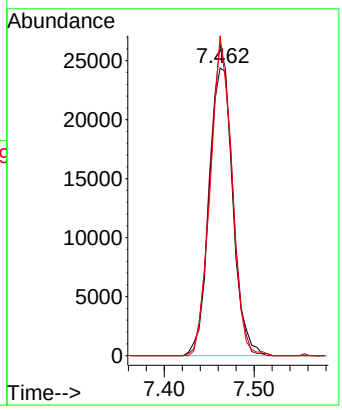




#9
Benzaldehyde
Concen: 32.161 ng
RT: 7.462 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 77 Resp: 4498

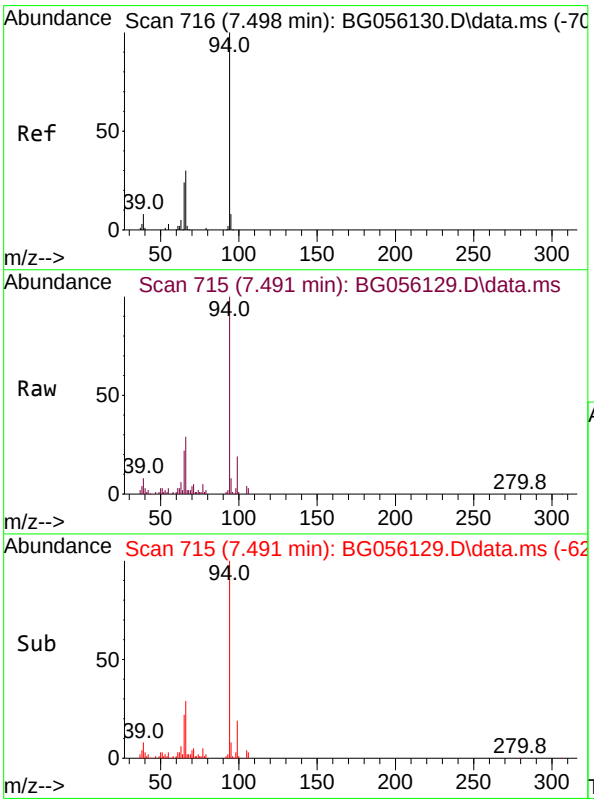
Ion	Ratio	Lower	Upper
77	100		
105	108.2	86.8	126.8
106	111.3	89.3	129.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

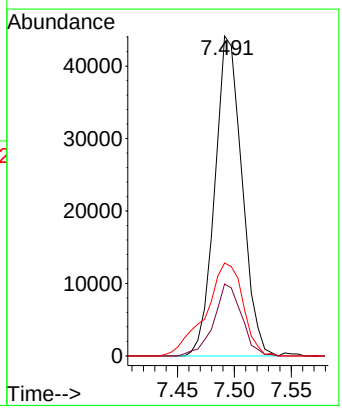
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

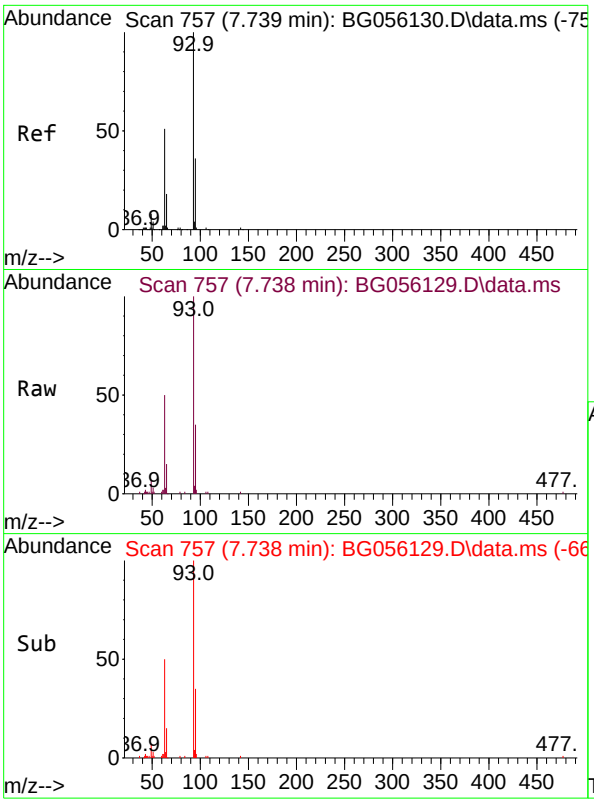


#10
Phenol
Concen: 30.077 ng
RT: 7.491 min Scan# 715
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 94 Resp: 73308

Ion	Ratio	Lower	Upper
94	100		
65	22.5	4.3	44.3
66	29.0	13.2	53.2

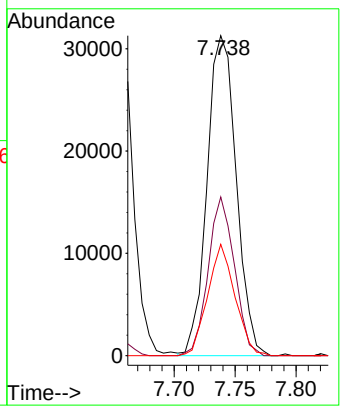




#11
bis(2-Chloroethyl)ether
Concen: 32.870 ng
RT: 7.738 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 93 Resp: 5218

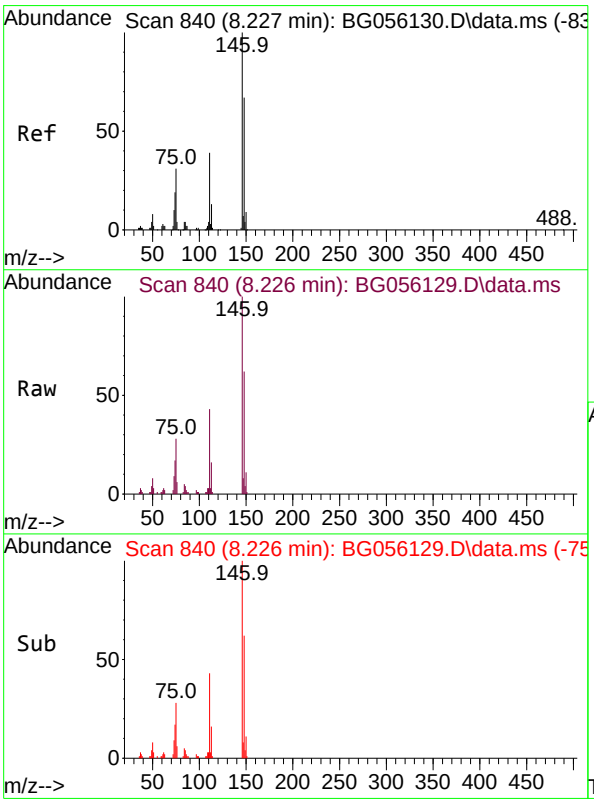
Ion	Ratio	Lower	Upper
93	100		
63	49.6	30.5	70.5
95	34.8	15.9	55.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

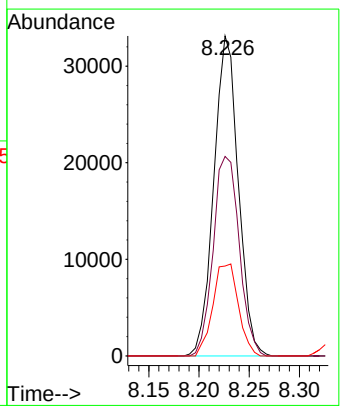
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

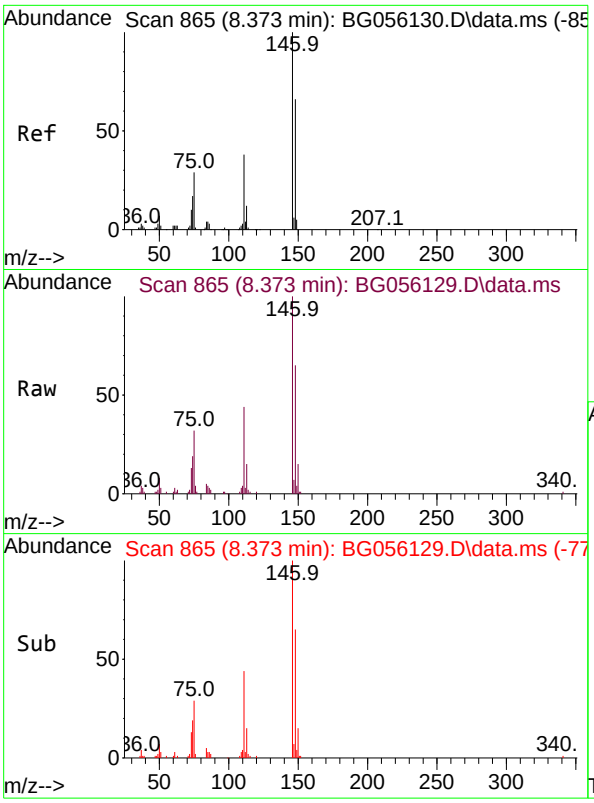


#12
1,3-Dichlorobenzene
Concen: 19.444 ng
RT: 8.226 min Scan# 840
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:146 Resp: 56188

Ion	Ratio	Lower	Upper
146	100		
148	62.3	53.5	80.3
75	28.1	24.8	37.2





#13
1,4-Dichlorobenzene
Concen: 19.165 ng
RT: 8.373 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

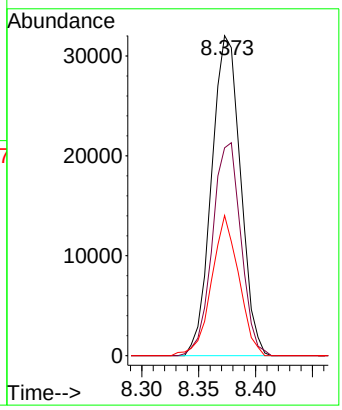
Tgt Ion:146 Resp: 5659

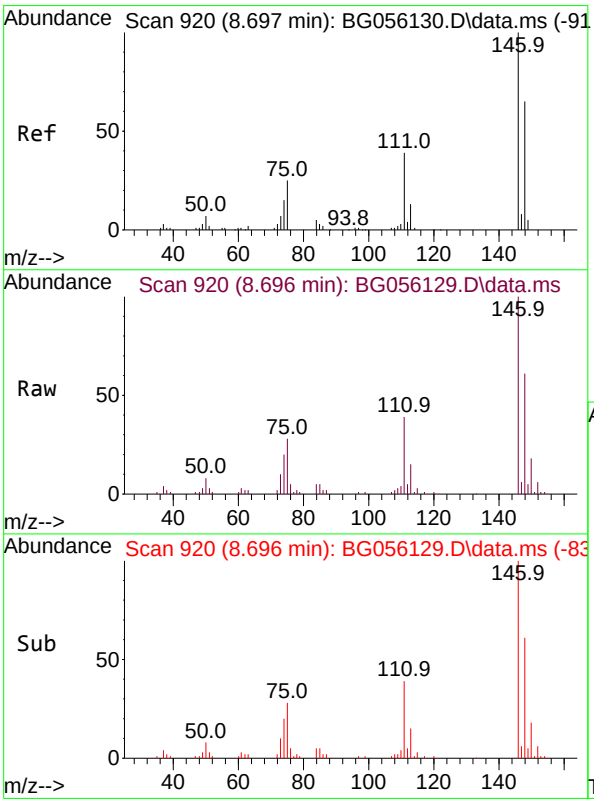
Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.8	79.2
111	43.8	30.5	45.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

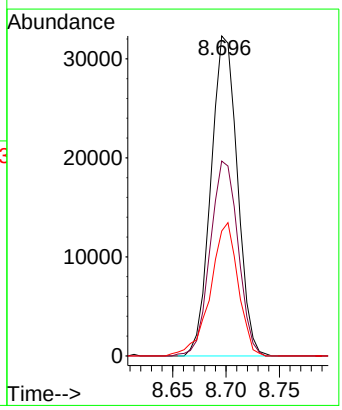


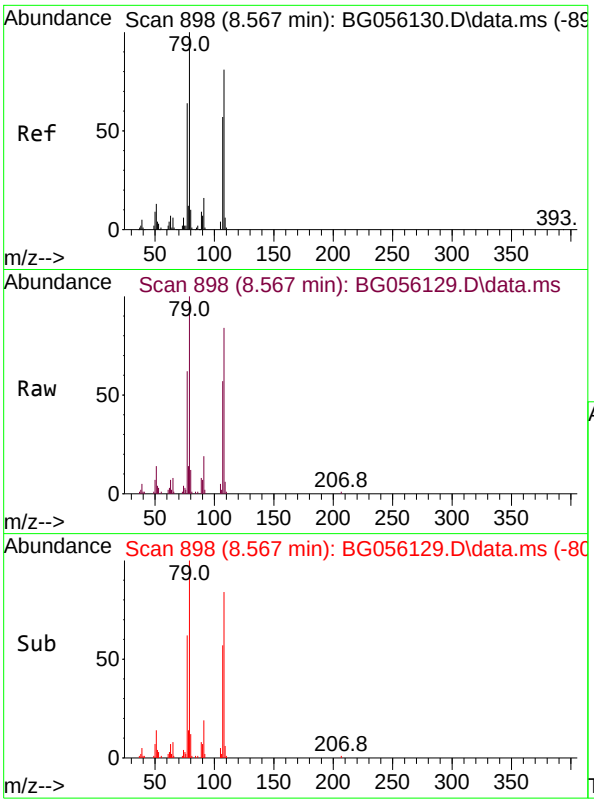


#14
1,2-Dichlorobenzene
Concen: 19.775 ng
RT: 8.696 min Scan# 920
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:146 Resp: 55812

Ion	Ratio	Lower	Upper
146	100		
148	60.9	51.7	77.5
111	39.0	31.5	47.3

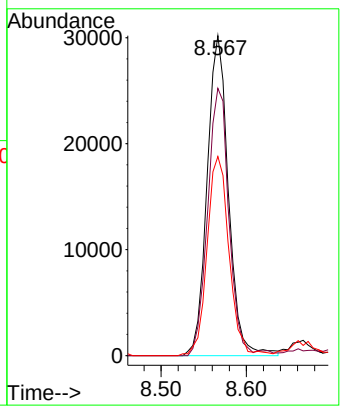




#15
Benzyl Alcohol
Concen: 22.638 ng
RT: 8.567 min Scan# 89
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 79 Resp: 5238

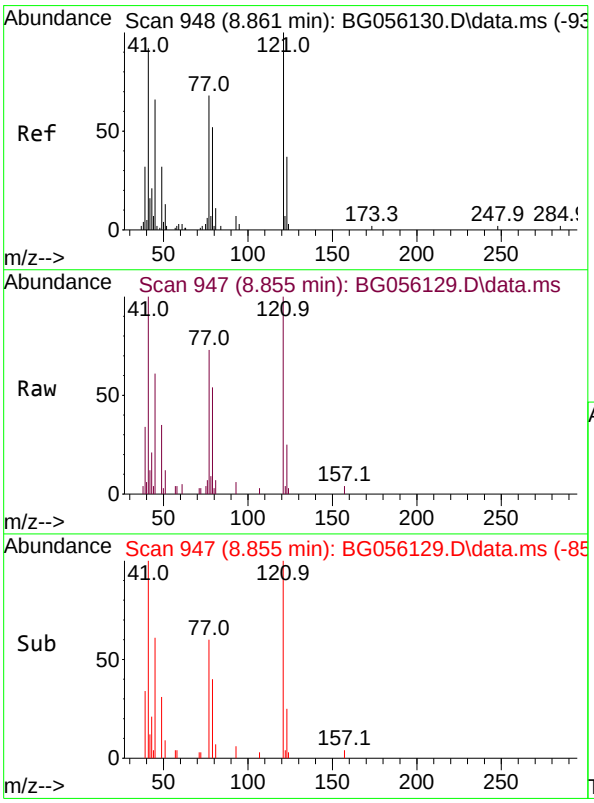
Ion	Ratio	Lower	Upper
79	100		
108	83.5	64.7	97.1
77	62.2	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

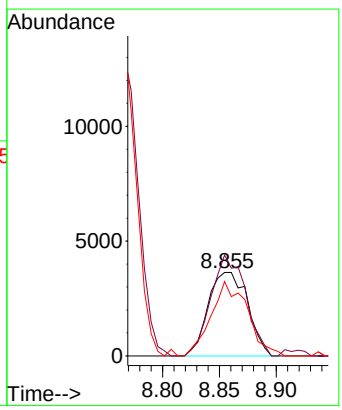
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

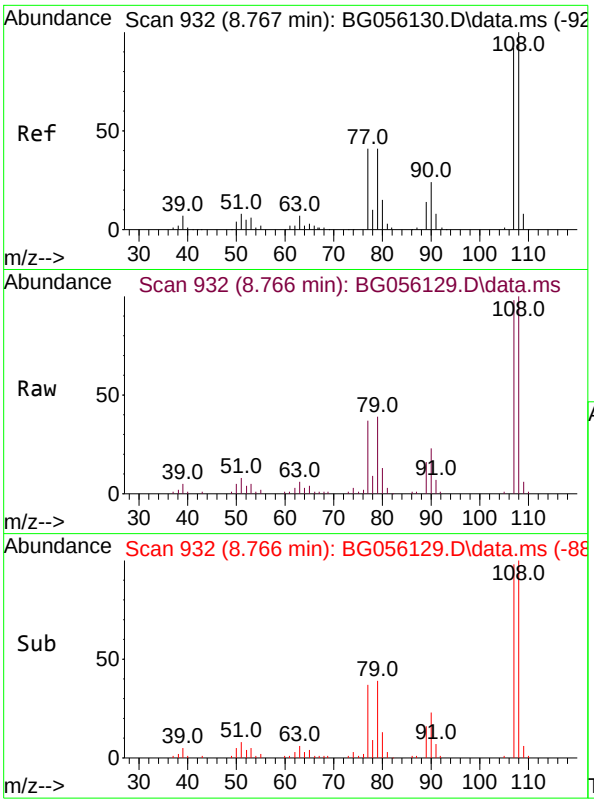


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.239 ng
RT: 8.855 min Scan# 947
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 45 Resp: 8759

Ion	Ratio	Lower	Upper
45	100		
77	121.0	88.2	128.2
79	89.1	61.2	101.2

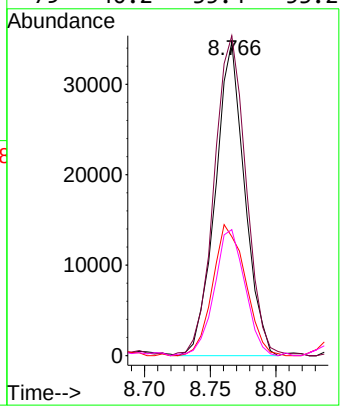




#17
2-Methylphenol
Concen: 28.109 ng
RT: 8.766 min Scan# 9
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:107 Resp: 5390

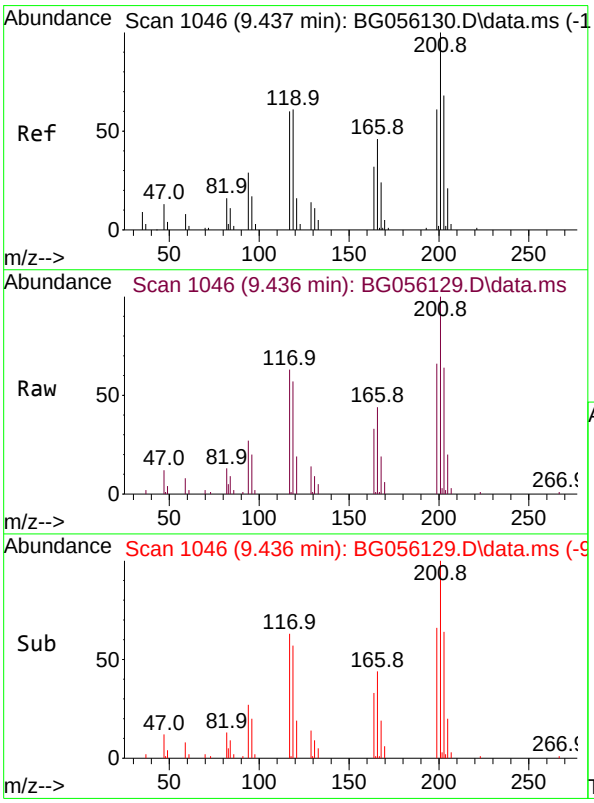
Ion	Ratio	Lower	Upper
107	100		
108	102.1	86.6	129.8
77	37.9	35.4	53.2
79	40.2	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

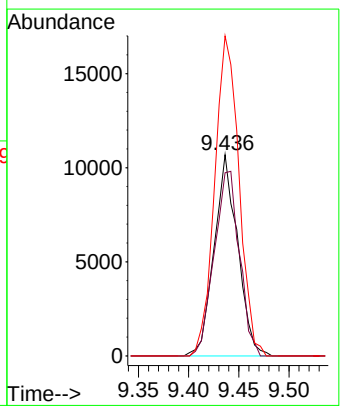
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

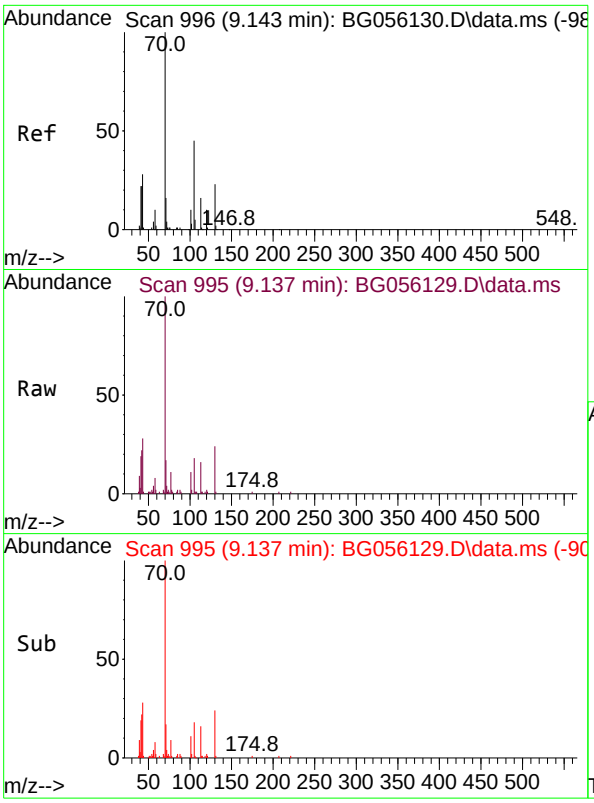


#18
Hexachloroethane
Concen: 19.468 ng
RT: 9.436 min Scan# 1046
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:117 Resp: 17452

Ion	Ratio	Lower	Upper
117	100		
119	89.7	81.8	122.6
201	160.9	134.2	201.2

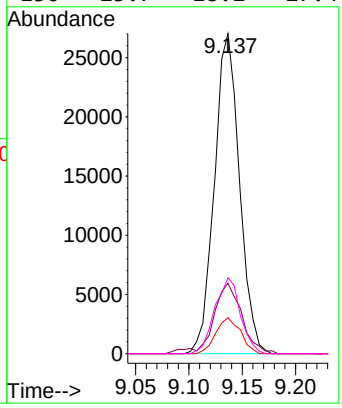




#19
n-Nitroso-di-n-propylamine
Concen: 27.670 ng
RT: 9.137 min Scan# 99
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 70 Resp: 4417

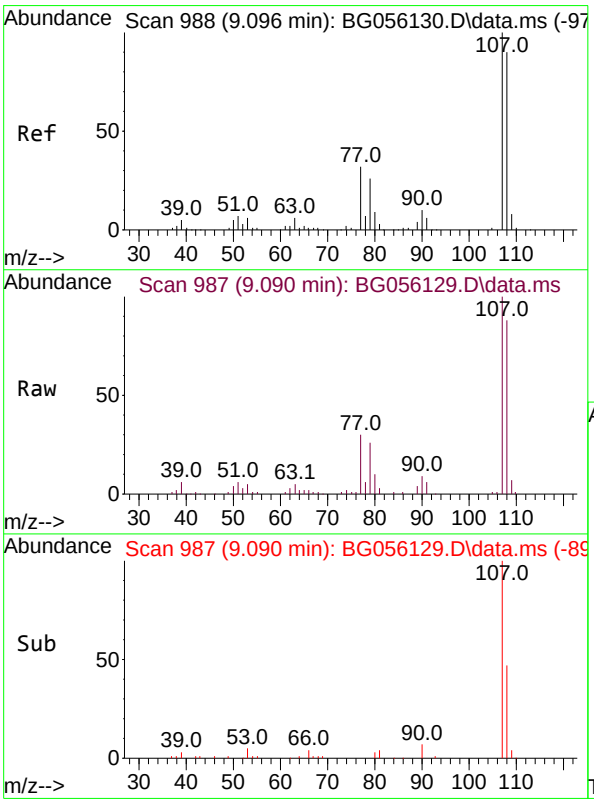
Ion	Ratio	Lower	Upper
70	100		
42	22.0	18.2	27.2
101	11.2	8.3	12.5
130	23.7	18.2	27.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

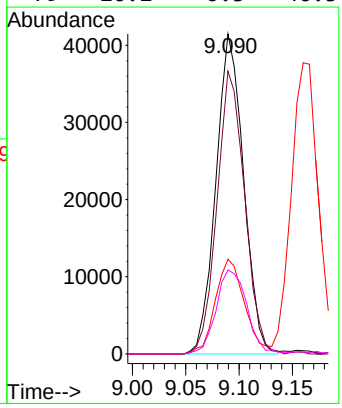
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

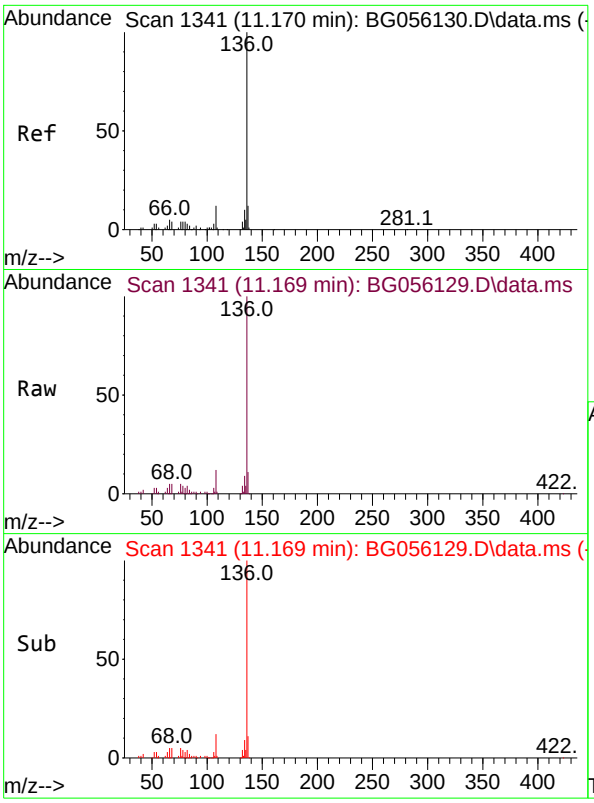


#20
3+4-Methylphenols
Concen: 27.278 ng
RT: 9.090 min Scan# 987
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:107 Resp: 74649

Ion	Ratio	Lower	Upper
107	100		
108	88.3	69.6	109.6
77	29.6	11.7	51.7
79	26.2	6.3	46.3

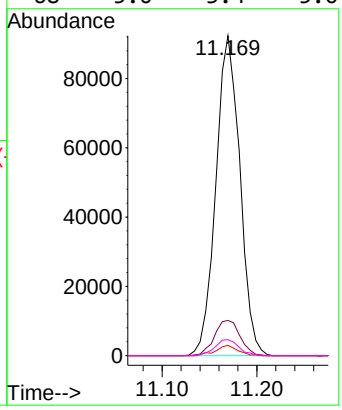




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.169 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:136 Resp: 16232

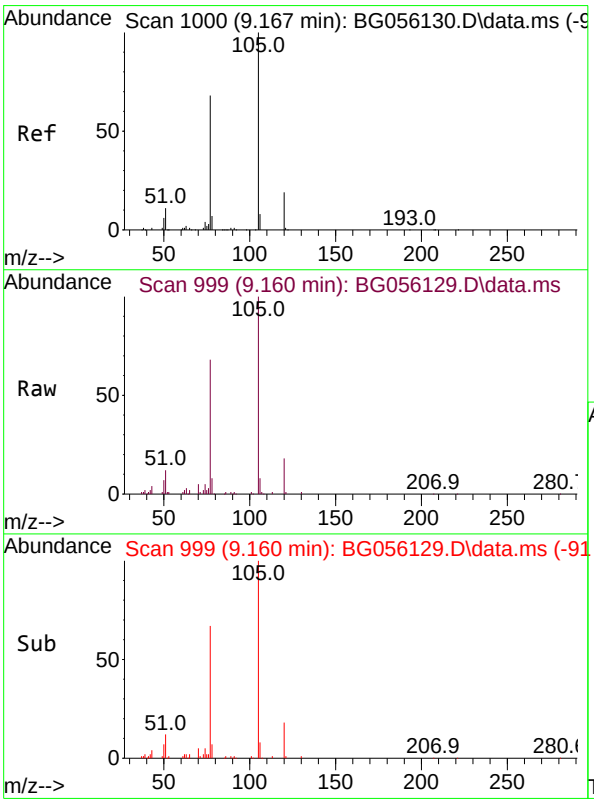
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.4	14.0
54	3.2	2.2	3.2
68	5.0	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

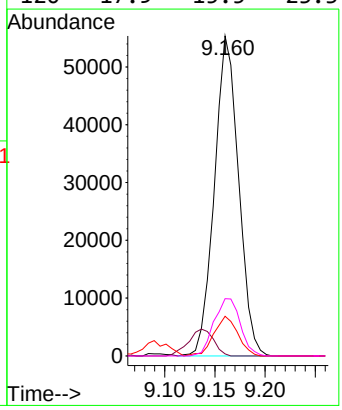
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

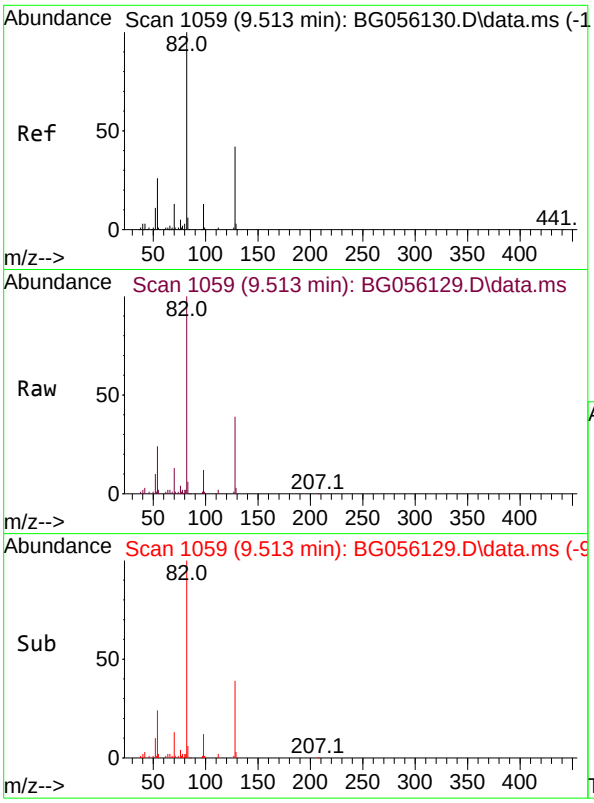


#22
Acetophenone
Concen: 23.070 ng
RT: 9.160 min Scan# 999
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:105 Resp: 92836

Ion	Ratio	Lower	Upper
105	100		
71	0.6	0.5	0.7
51	12.4	9.3	13.9
120	17.9	15.5	23.3

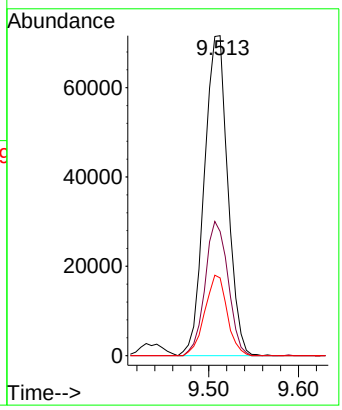




#23
Nitrobenzene-d5
Concen: 56.009 ng
RT: 9.513 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 82 Resp: 13010

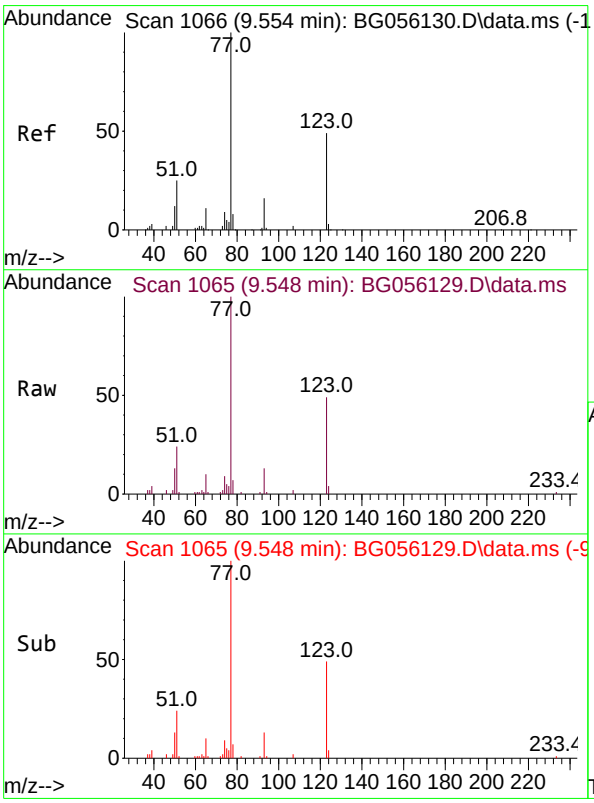
Ion	Ratio	Lower	Upper
82	100		
128	38.8	33.4	50.2
54	24.3	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

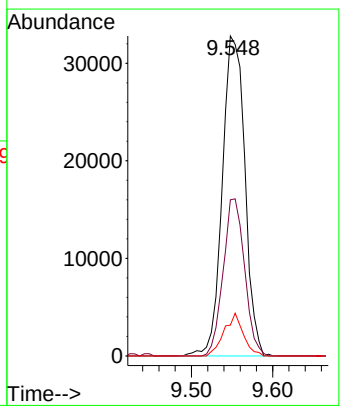
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

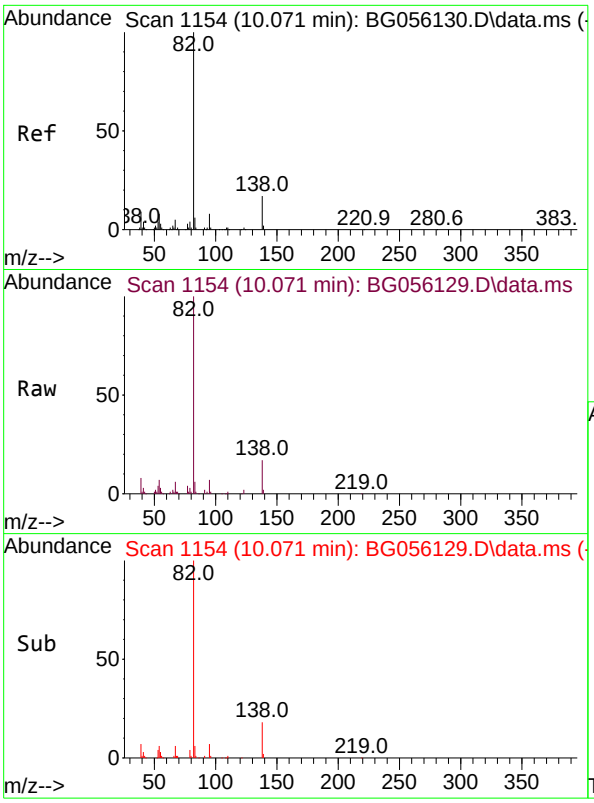


#24
Nitrobenzene
Concen: 27.048 ng
RT: 9.548 min Scan# 1065
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 77 Resp: 63241

Ion	Ratio	Lower	Upper
77	100		
123	48.8	38.8	58.2
65	9.6	9.1	13.7

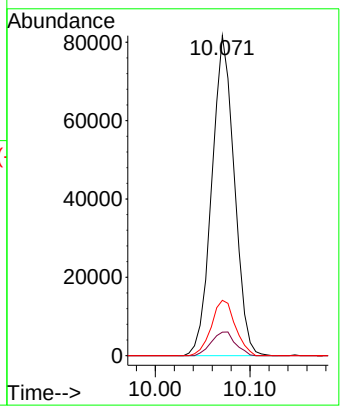




#25
Isophorone
Concen: 27.590 ng
RT: 10.071 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 82 Resp: 13438

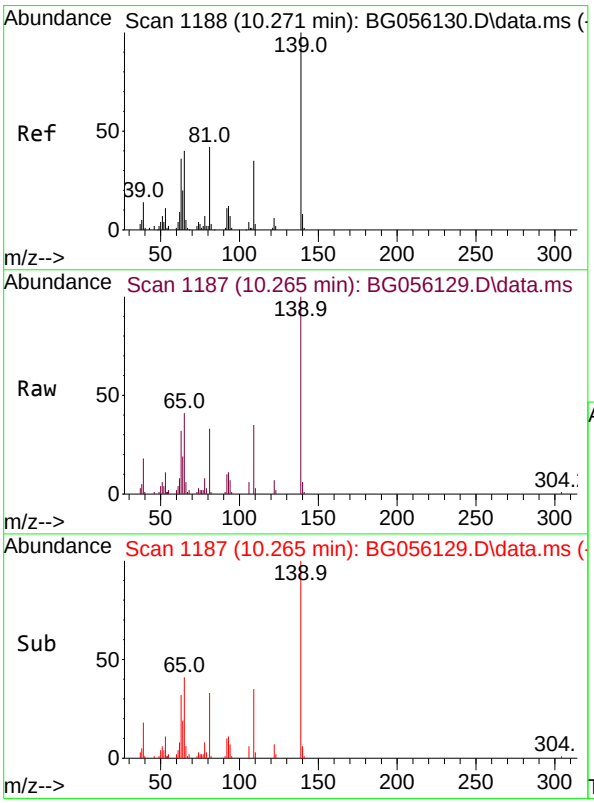
Ion	Ratio	Lower	Upper
82	100		
95	7.3	6.7	10.1
138	17.3	13.7	20.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

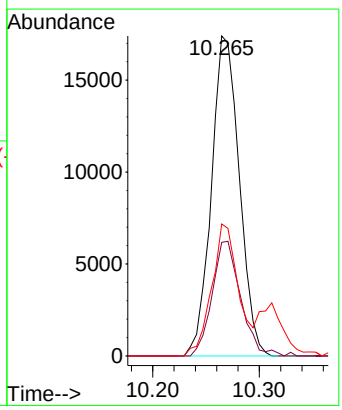
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

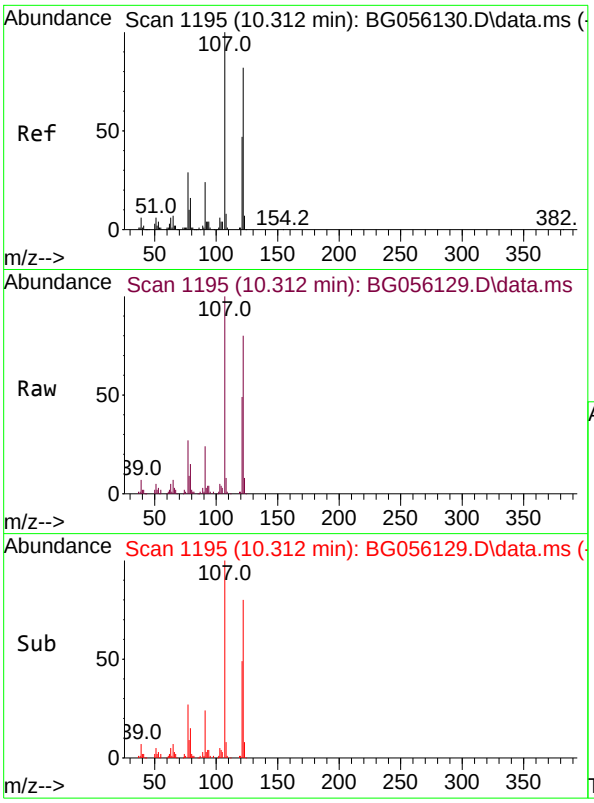


#26
2-Nitrophenol
Concen: 22.905 ng
RT: 10.265 min Scan# 1187
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:139 Resp: 31704

Ion	Ratio	Lower	Upper
139	100		
109	35.5	28.4	42.6
65	41.3	32.1	48.1





#27
2,4-Dimethylphenol
Concen: 25.949 ng
RT: 10.312 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

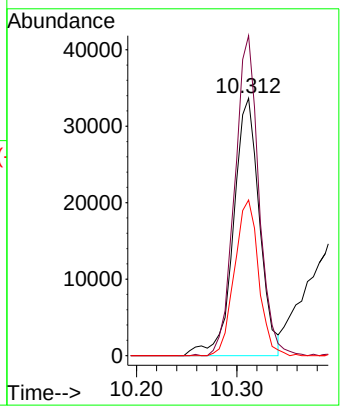
Tgt Ion:122 Resp: 6032

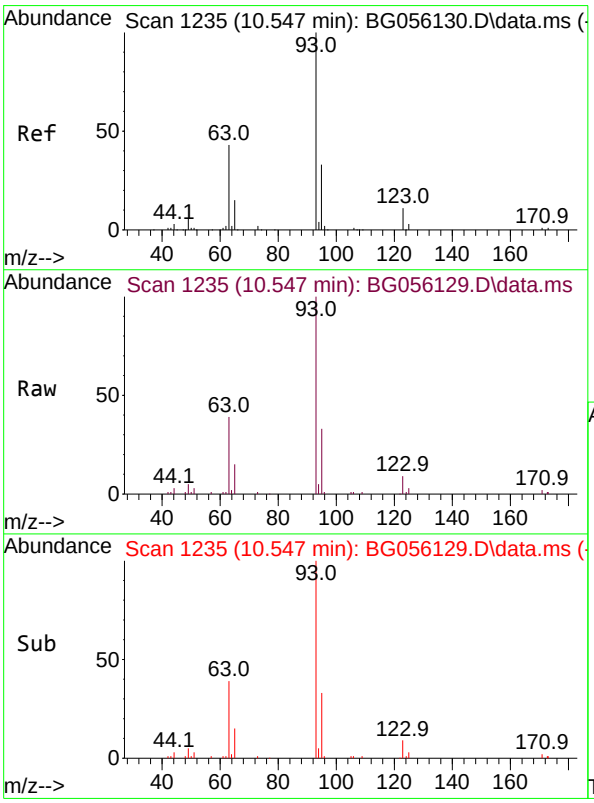
Ion	Ratio	Lower	Upper
122	100		
107	124.4	97.5	146.3
121	60.4	45.9	68.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

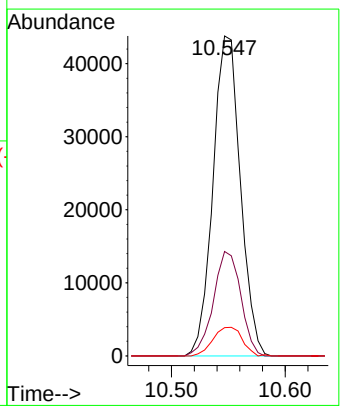


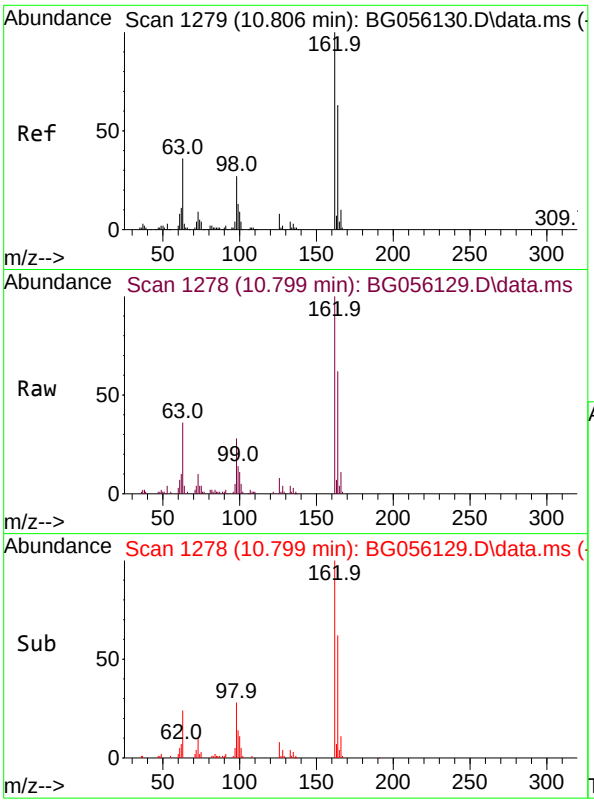


#28
bis(2-Chloroethoxy)methane
Concen: 33.967 ng
RT: 10.547 min Scan# 1235
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 93 Resp: 73122

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	8.8	9.0	13.6#

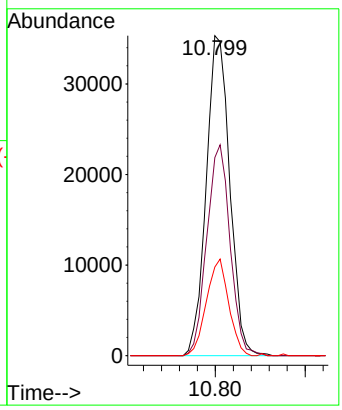




#29
2,4-Dichlorophenol
Concen: 19.537 ng
RT: 10.799 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:162 Resp: 6446

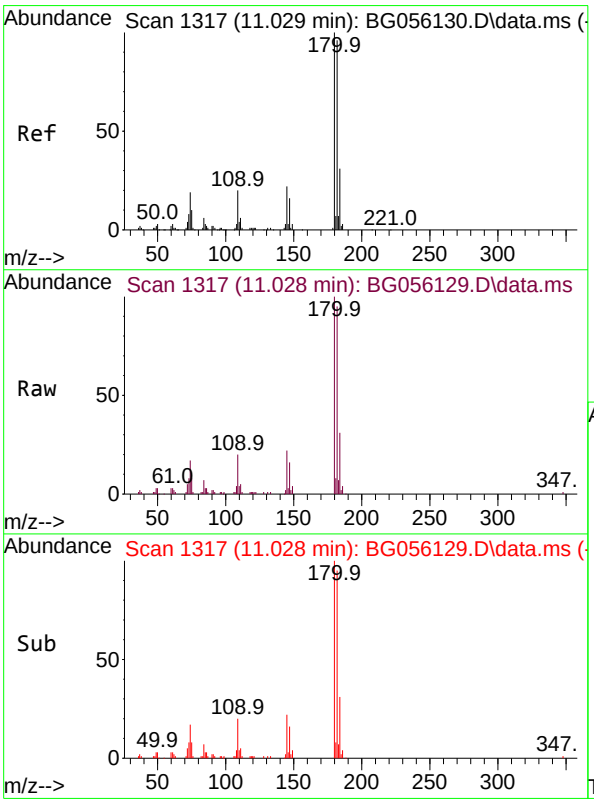
Ion	Ratio	Lower	Upper
162	100		
164	61.9	43.3	83.3
98	27.7	6.8	46.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

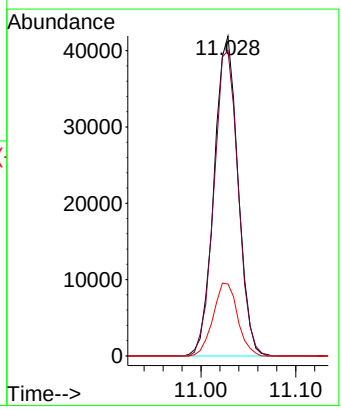
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

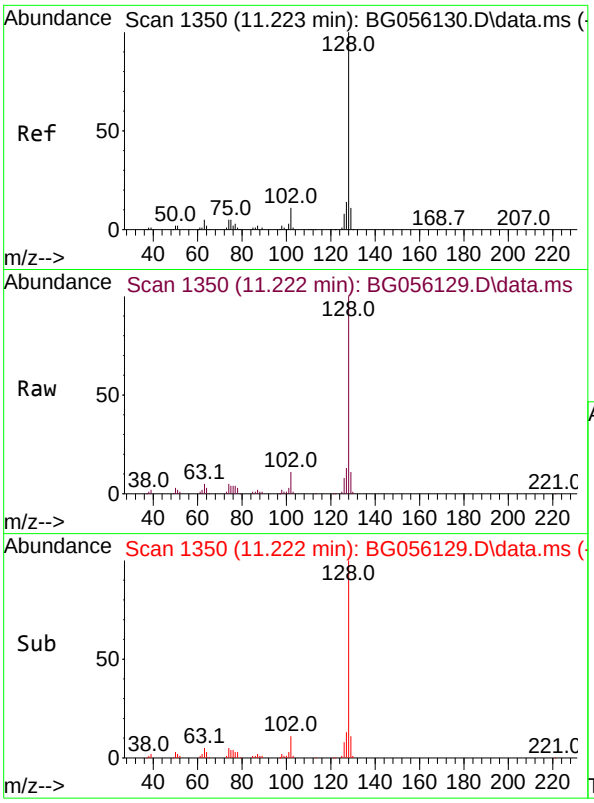


#30
1,2,4-Trichlorobenzene
Concen: 17.090 ng
RT: 11.028 min Scan# 1317
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:180 Resp: 73297

Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.0	115.4
145	22.5	17.4	26.2

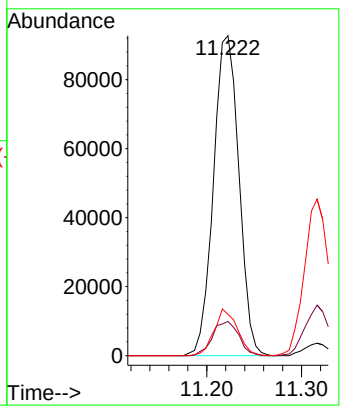




#31
Naphthalene
Concen: 20.172 ng
RT: 11.222 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:128 Resp: 17277

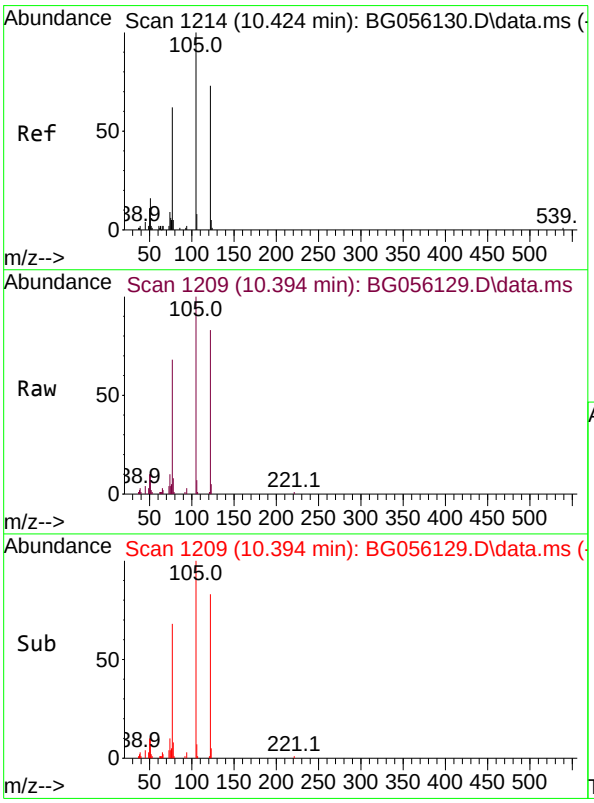
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	12.9	11.2	16.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

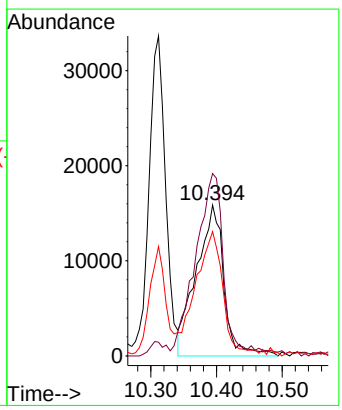
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

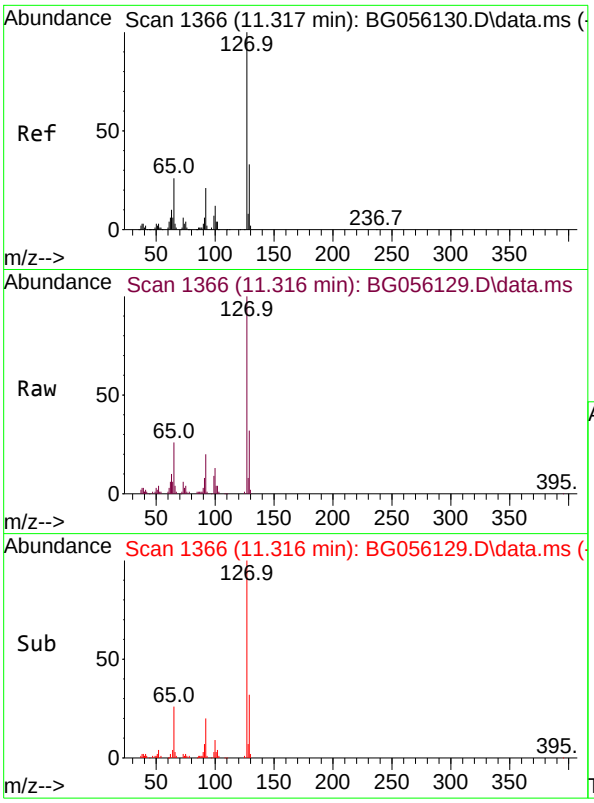


#32
Benzoic acid
Concen: 25.727 ng
RT: 10.394 min Scan# 1209
Delta R.T. -0.030 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:122 Resp: 46134

Ion	Ratio	Lower	Upper
122	100		
105	121.0	109.0	149.0
77	82.4	63.1	103.1

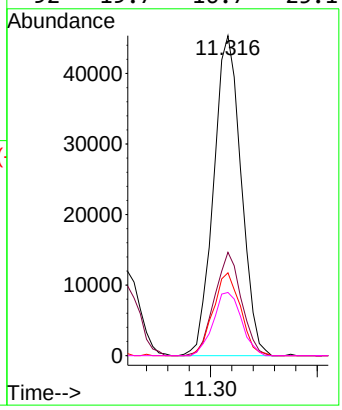




#33
4-Chloroaniline
Concen: 22.138 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:127 Resp: 8128

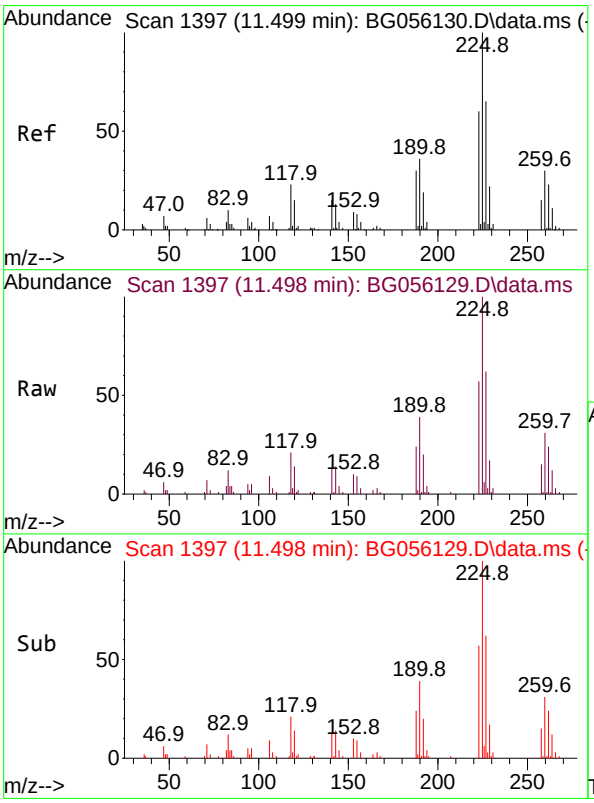
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	25.9	20.9	31.3
92	19.7	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

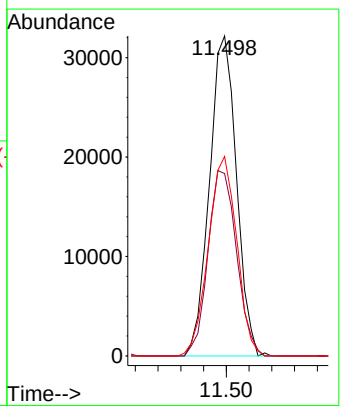
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

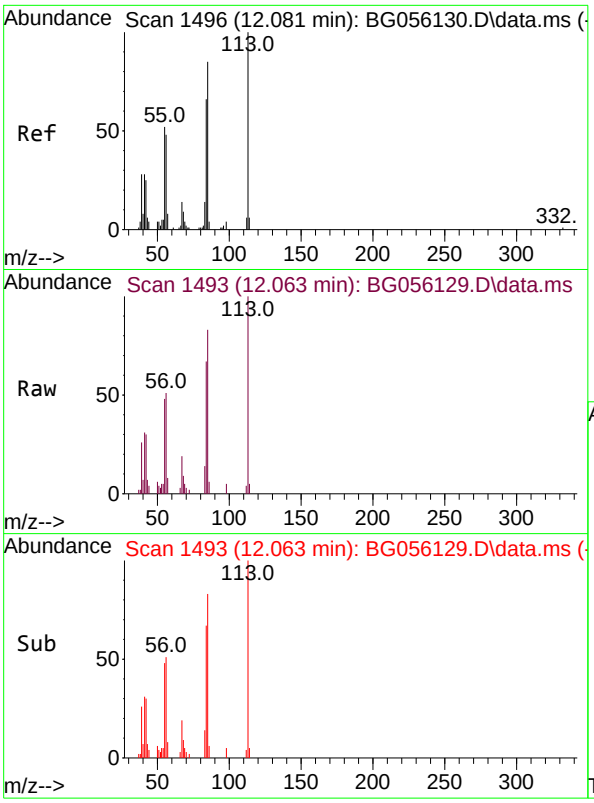


#34
Hexachlorobutadiene
Concen: 13.162 ng
RT: 11.498 min Scan# 1397
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:225 Resp: 53071

Ion	Ratio	Lower	Upper
225	100		
223	57.0	47.7	71.5
227	65.0	52.3	78.5

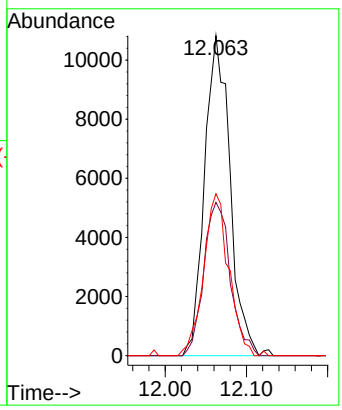




#35
Caprolactam
Concen: 25.630 ng
RT: 12.063 min Scan# 14
Delta R.T. -0.018 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:113 Resp: 2356

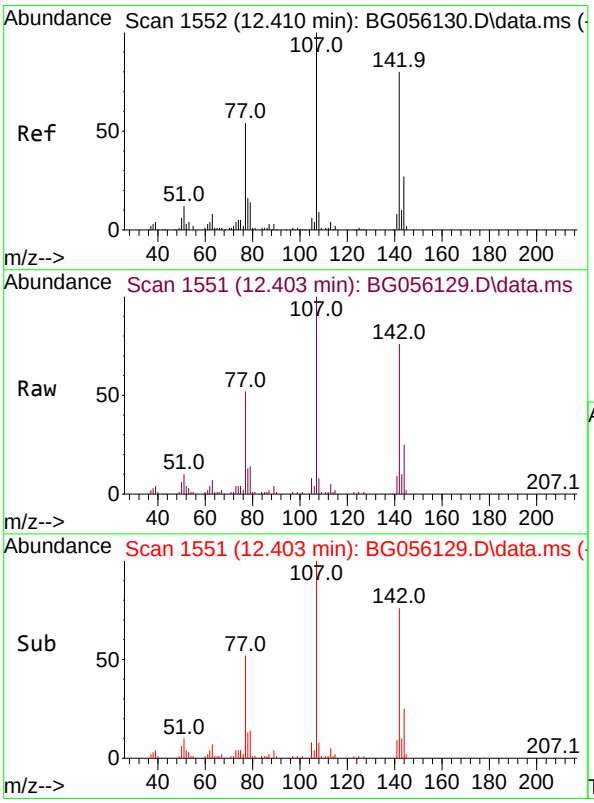
Ion	Ratio	Lower	Upper
113	100		
55	47.9	31.9	71.9
56	50.6	27.6	67.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

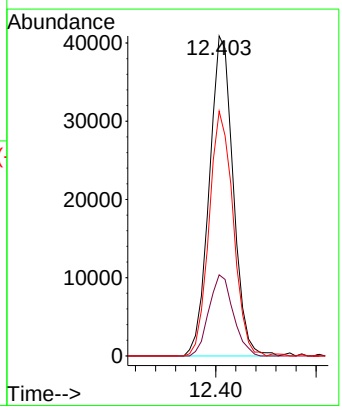
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

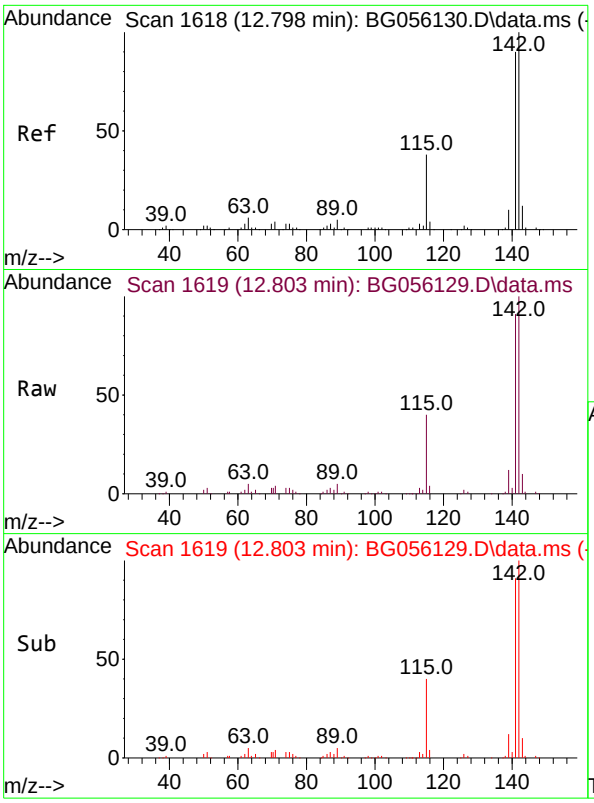


#36
4-Chloro-3-methylphenol
Concen: 21.884 ng
RT: 12.403 min Scan# 1551
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:107 Resp: 67704

Ion	Ratio	Lower	Upper
107	100		
144	25.3	21.5	32.3
142	76.5	63.8	95.6

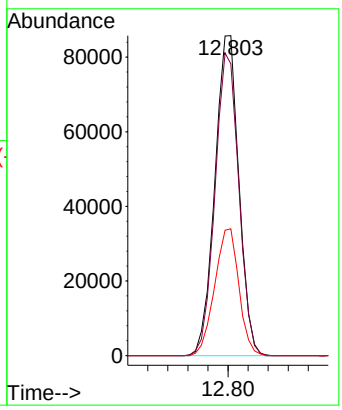




#37
2-Methylnaphthalene
Concen: 18.842 ng
RT: 12.803 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:142 Resp: 14258

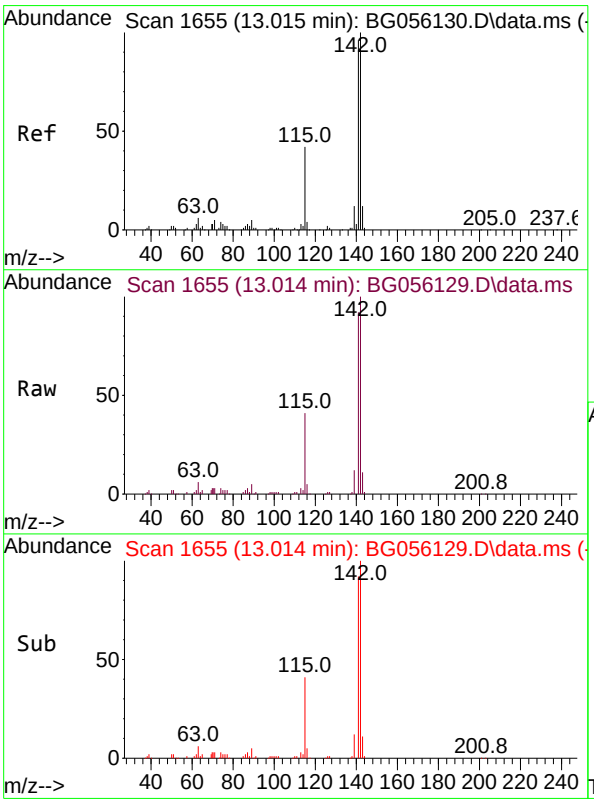
Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.2	108.4
115	39.6	30.7	46.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

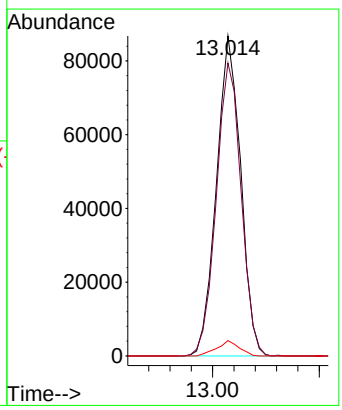
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

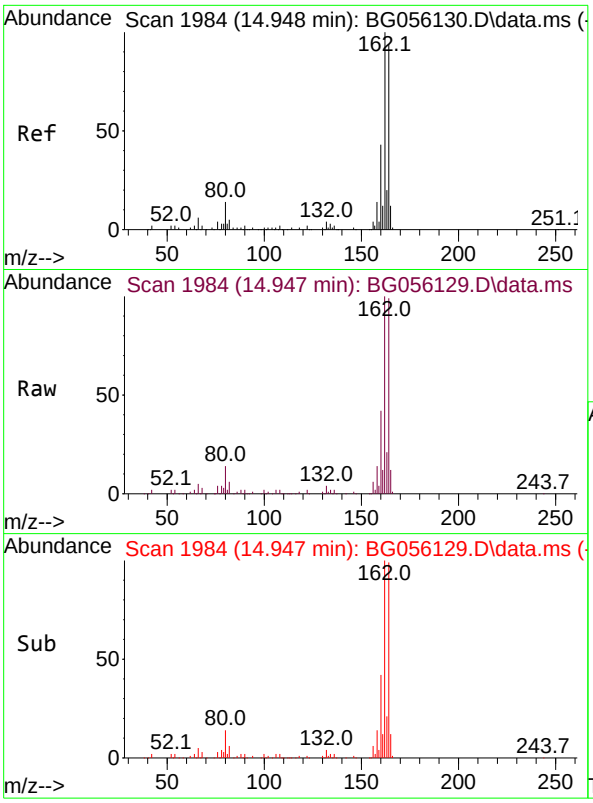


#38
1-Methylnaphthalene
Concen: 18.581 ng
RT: 13.014 min Scan# 1655
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:142 Resp: 136981

Ion	Ratio	Lower	Upper
142	100		
141	91.5	77.0	115.6
116	4.8	3.6	5.4

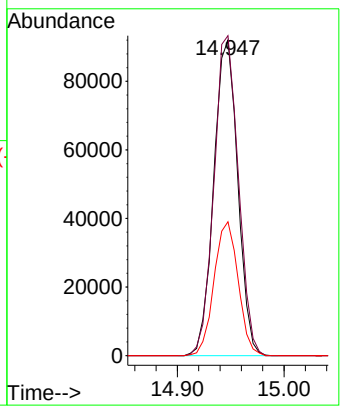




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.947 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:164 Resp: 14399

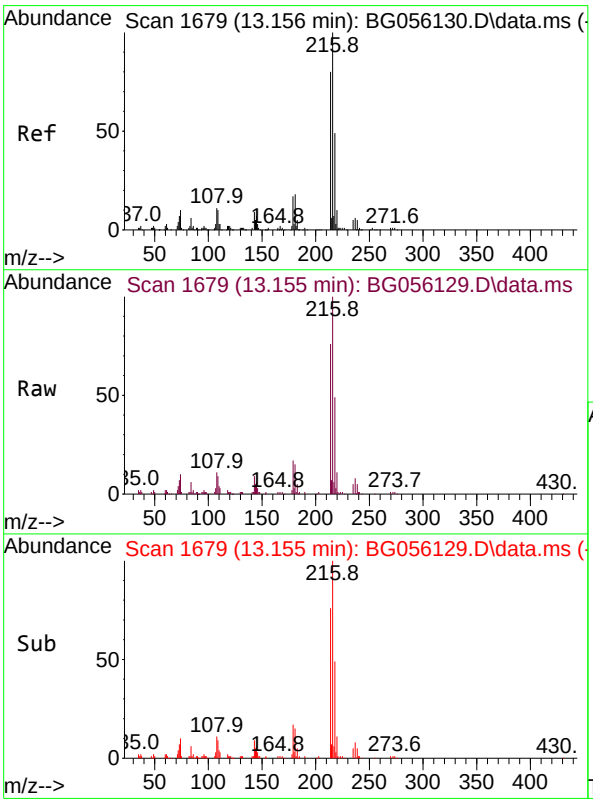
Ion	Ratio	Lower	Upper
164	100		
162	101.5	84.7	127.1
160	42.4	36.3	54.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

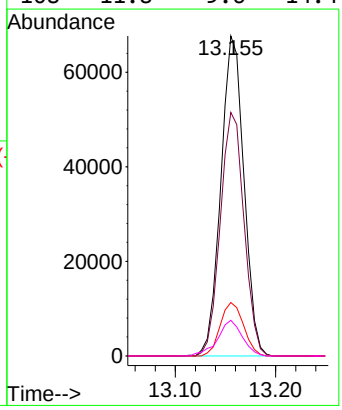
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

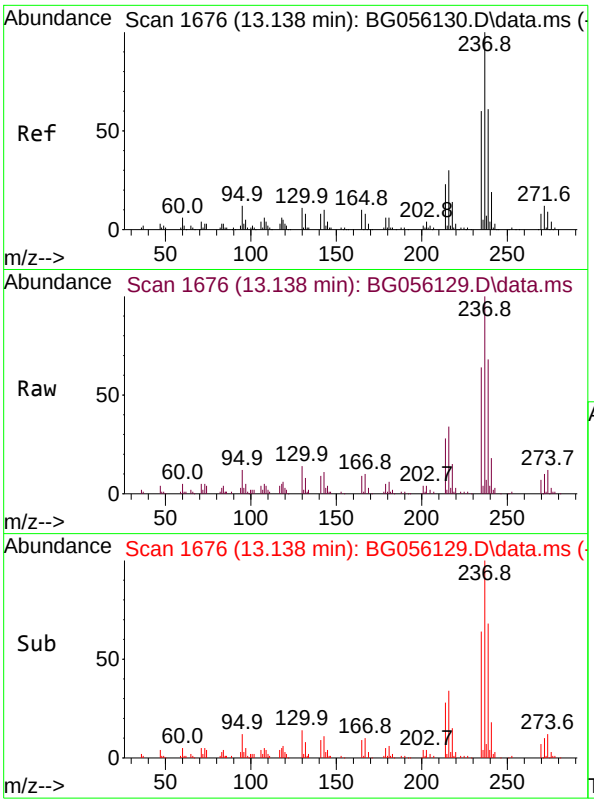


#40
1,2,4,5-Tetrachlorobenzene
Concen: 17.780 ng
RT: 13.155 min Scan# 1679
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:216 Resp: 108015

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.4	95.0
179	16.9	13.6	20.4
108	11.8	9.6	14.4

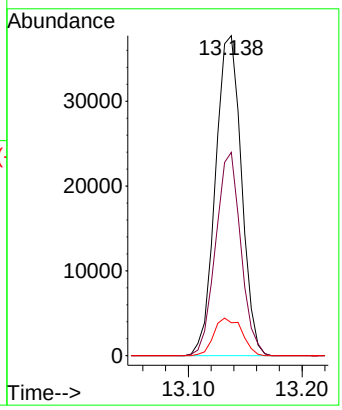




#41
Hexachlorocyclopentadiene
Concen: 17.333 ng
RT: 13.138 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:237 Resp: 5973

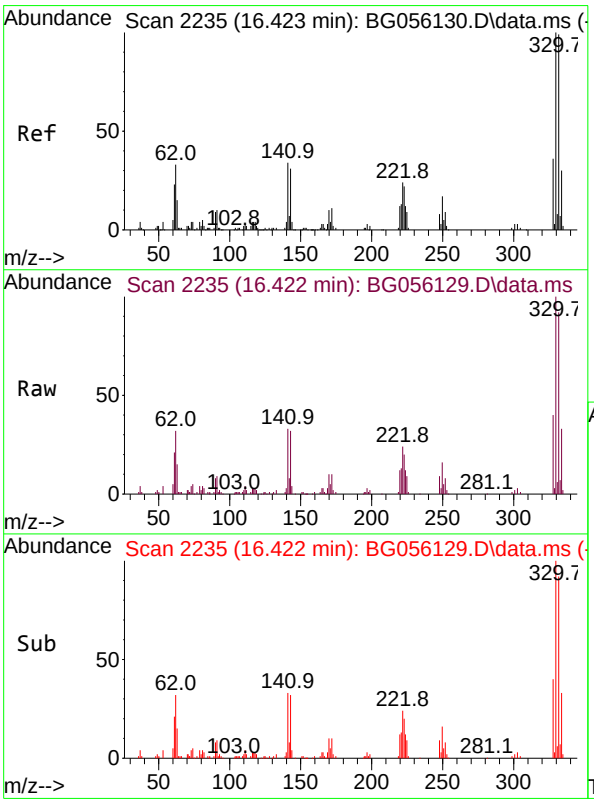
Ion	Ratio	Lower	Upper
237	100		
235	63.5	40.3	80.3
272	10.3	0.0	32.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

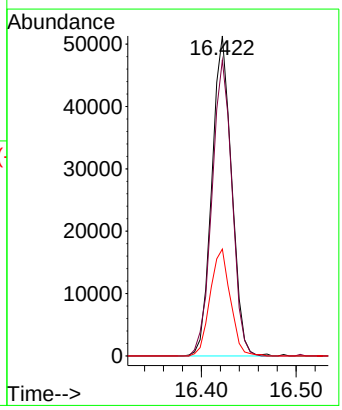
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

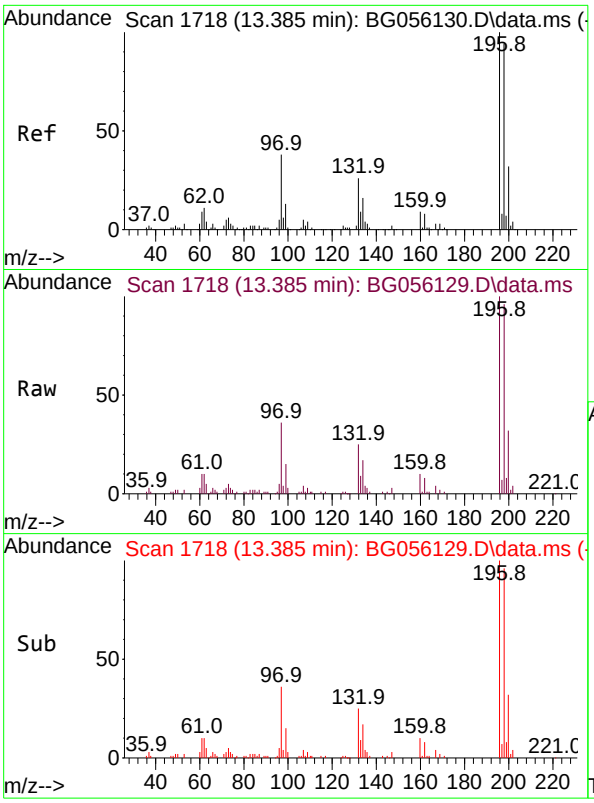


#42
2,4,6-Tribromophenol
Concen: 21.425 ng
RT: 16.422 min Scan# 2235
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:330 Resp: 74388

Ion	Ratio	Lower	Upper
330	100		
332	93.6	77.3	115.9
141	34.0	27.9	41.9

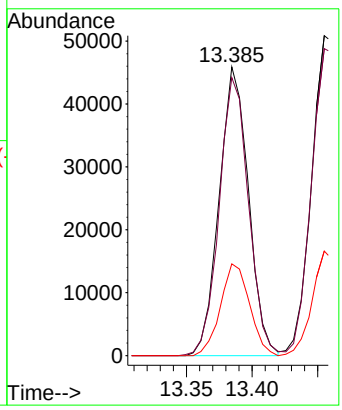




#43
2,4,6-Trichlorophenol
Concen: 19.794 ng
RT: 13.385 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:196 Resp: 7118

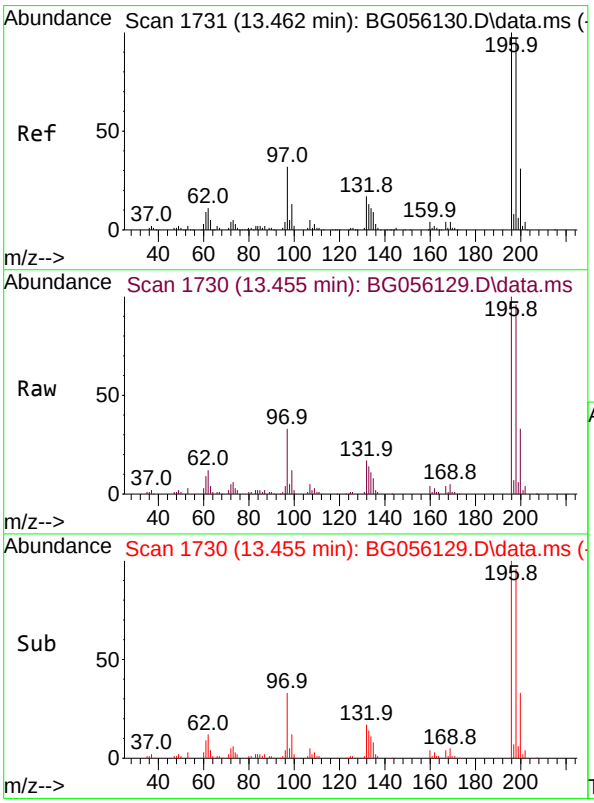
Ion	Ratio	Lower	Upper
196	100		
198	96.3	75.5	113.3
200	31.8	25.7	38.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

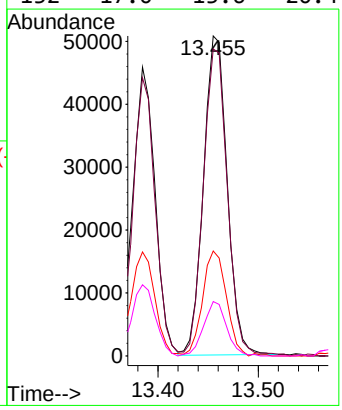
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

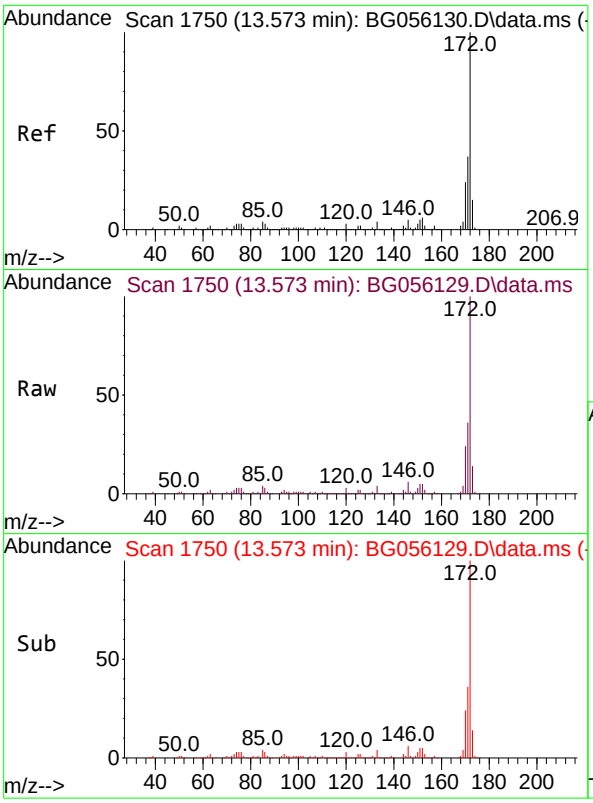


#44
2,4,5-Trichlorophenol
Concen: 20.540 ng
RT: 13.455 min Scan# 1730
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:196 Resp: 83267

Ion	Ratio	Lower	Upper
196	100		
198	95.9	78.0	117.0
97	32.8	25.7	38.5
132	17.0	13.6	20.4





#45
2-Fluorobiphenyl
Concen: 40.689 ng
RT: 13.573 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

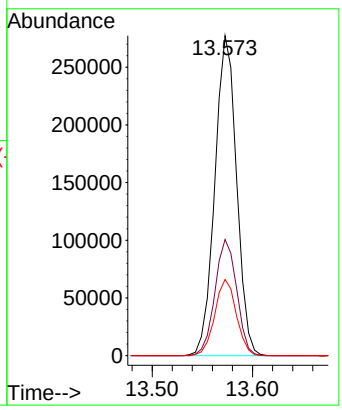
Tgt Ion:172 Resp: 41774

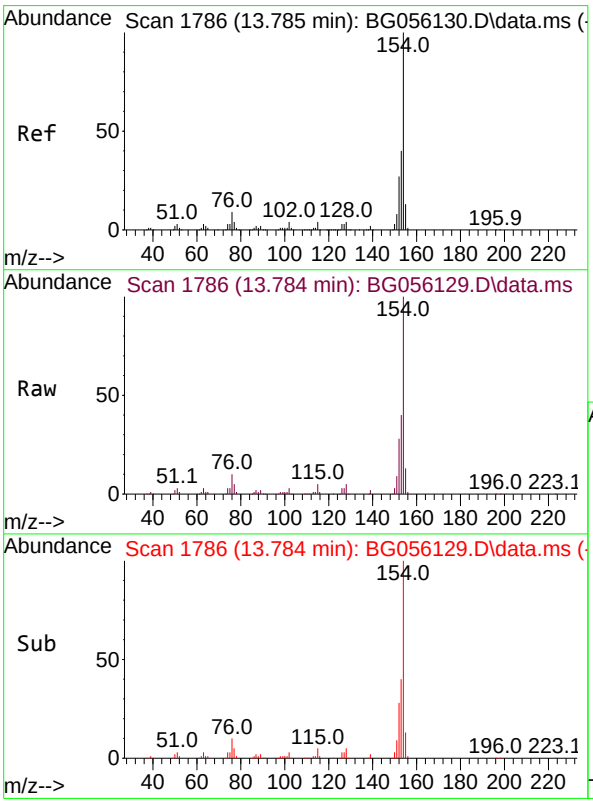
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.8	19.4	29.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

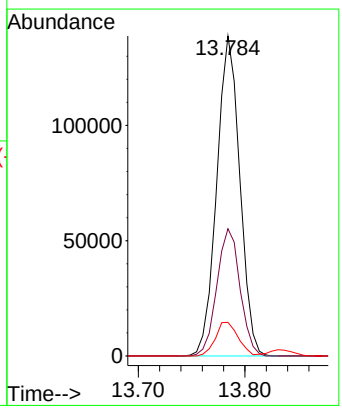


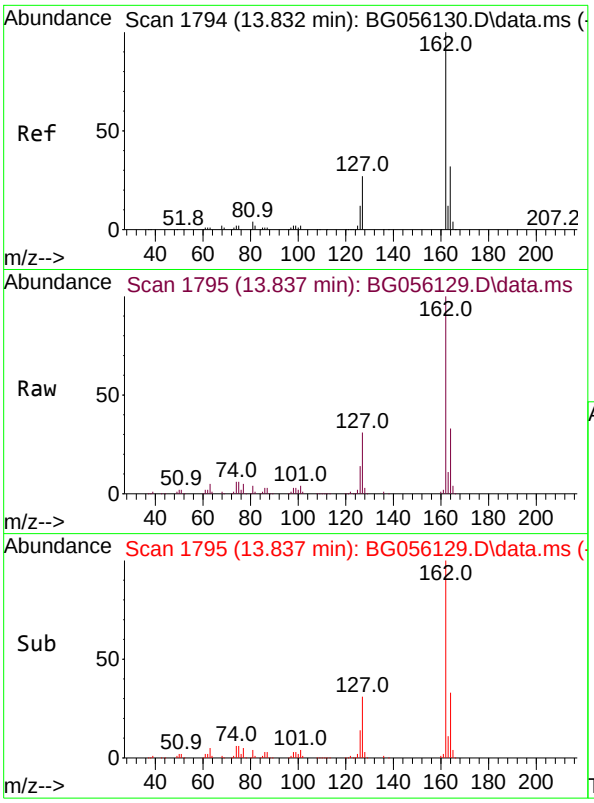


#46
1,1'-Biphenyl
Concen: 21.359 ng
RT: 13.784 min Scan# 1786
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:154 Resp: 208463

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.0	60.0
76	10.5	0.0	29.3

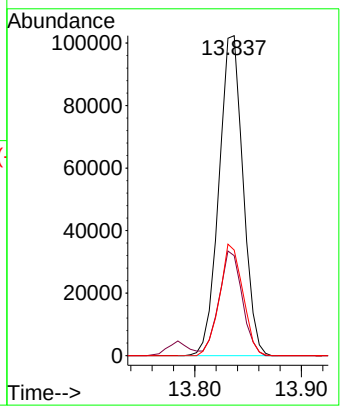




#47
2-Chloronaphthalene
Concen: 20.286 ng
RT: 13.837 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:162 Resp: 16087

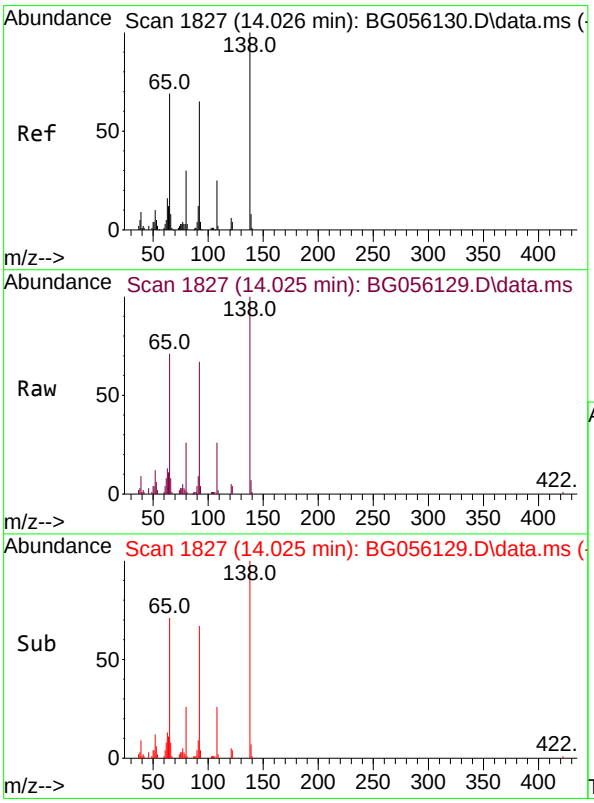
Ion	Ratio	Lower	Upper
162	100		
127	31.2	24.6	36.8
164	33.0	25.8	38.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

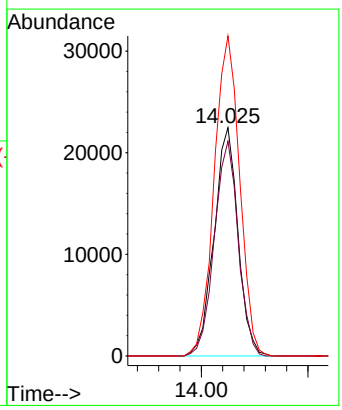
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

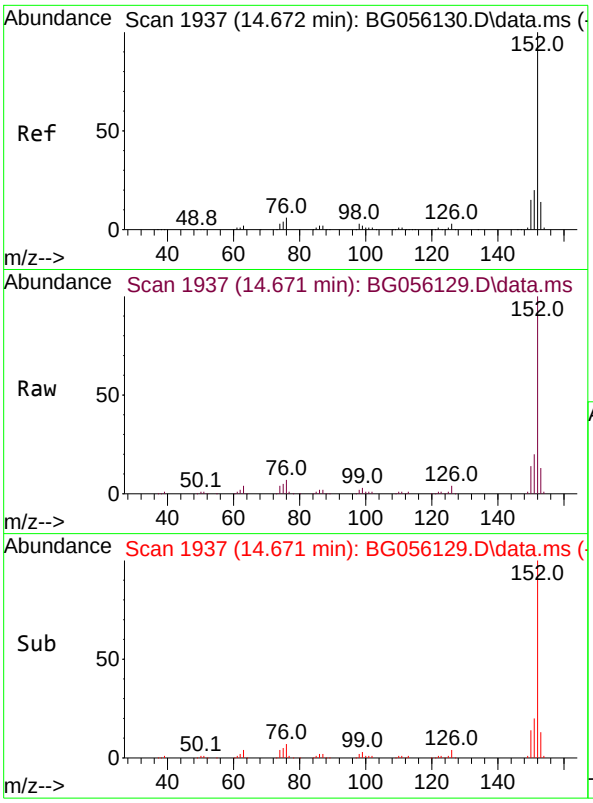


#48
2-Nitroaniline
Concen: 26.462 ng
RT: 14.025 min Scan# 1827
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 65 Resp: 35104

Ion	Ratio	Lower	Upper
65	100		
92	94.1	76.0	114.0
138	140.2	116.6	174.8

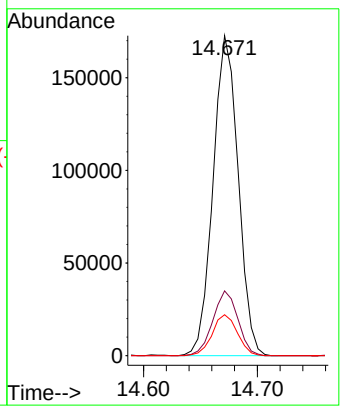




#49
Acenaphthylene
Concen: 20.942 ng
RT: 14.671 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:152 Resp: 26509

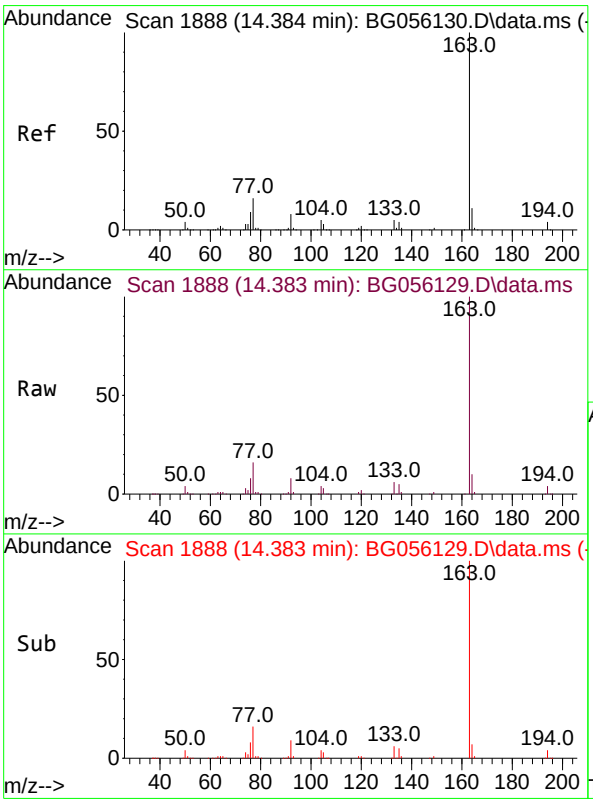
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	12.8	11.0	16.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

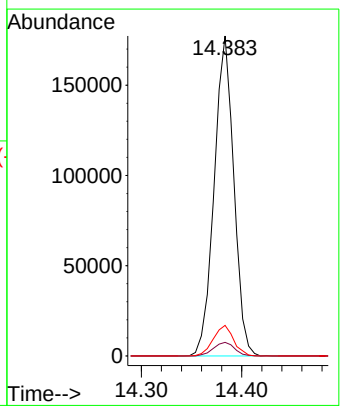
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

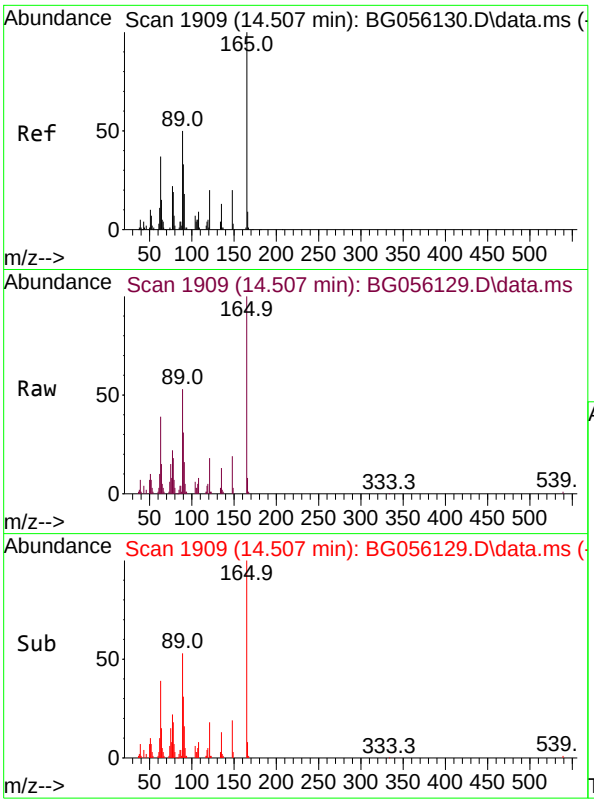


#50
Dimethylphthalate
Concen: 19.364 ng
RT: 14.383 min Scan# 1888
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:163 Resp: 241055

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	9.5	8.7	13.1

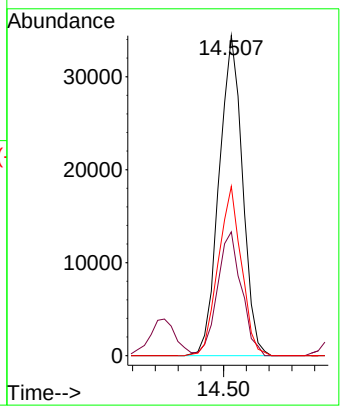




#51
2,6-Dinitrotoluene
Concen: 25.568 ng
RT: 14.507 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:165 Resp: 4925

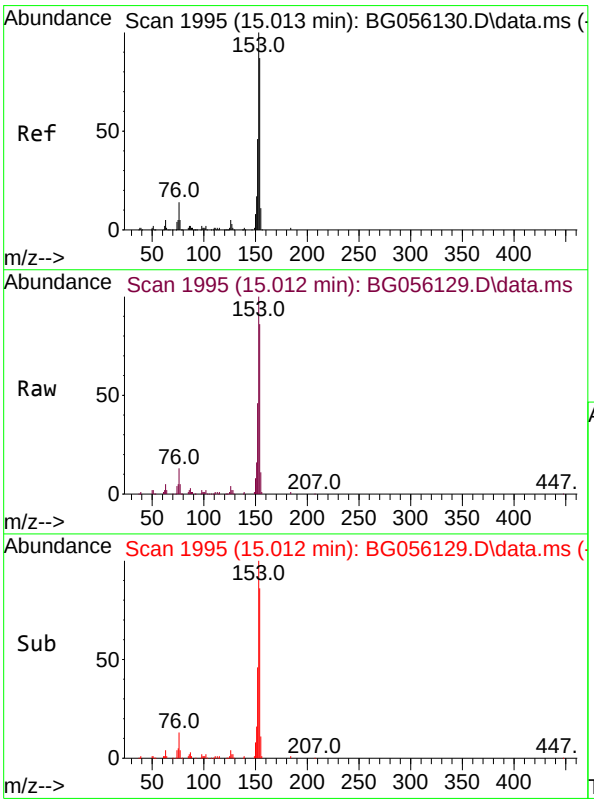
Ion	Ratio	Lower	Upper
165	100		
63	38.7	32.2	48.2
89	52.9	39.8	59.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

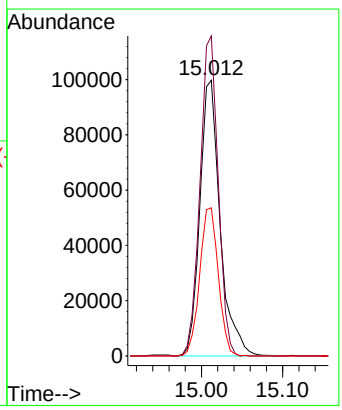
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

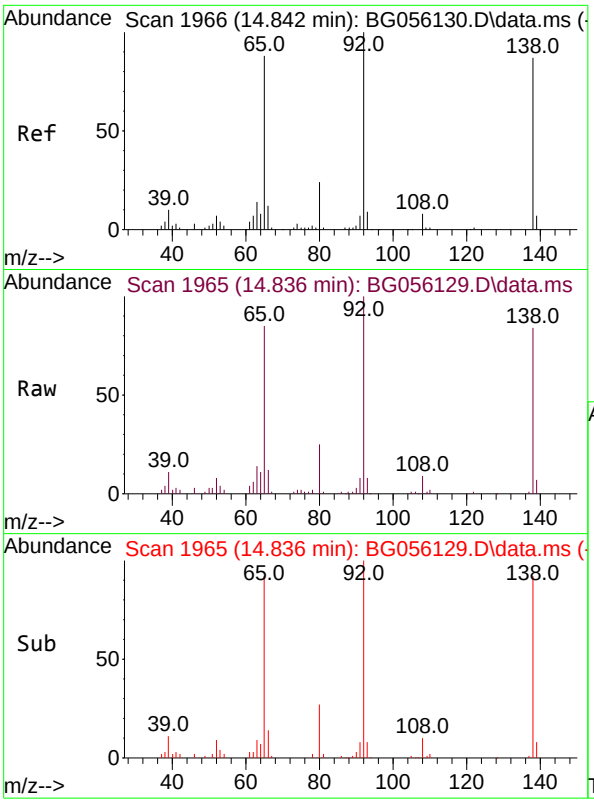


#52
Acenaphthene
Concen: 20.362 ng
RT: 15.012 min Scan# 1995
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:154 Resp: 173041

Ion	Ratio	Lower	Upper
154	100		
153	116.1	92.0	138.0
152	53.7	42.5	63.7





#53
3-Nitroaniline
Concen: 24.144 ng
RT: 14.836 min Scan# 19
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

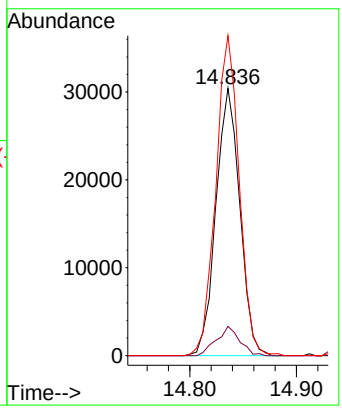
Tgt Ion:138 Resp: 4731

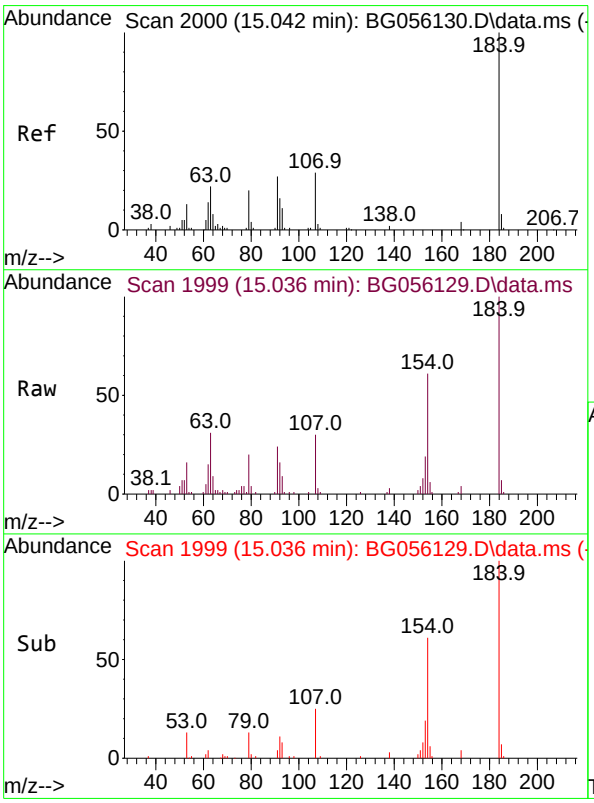
Ion	Ratio	Lower	Upper
138	100		
108	10.9	7.6	11.4
92	119.7	91.7	137.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

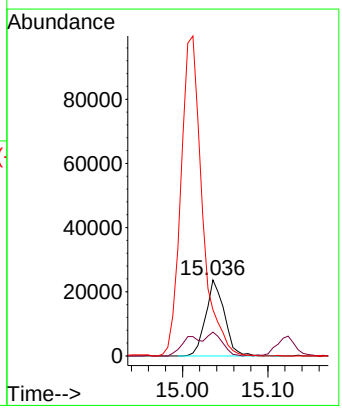


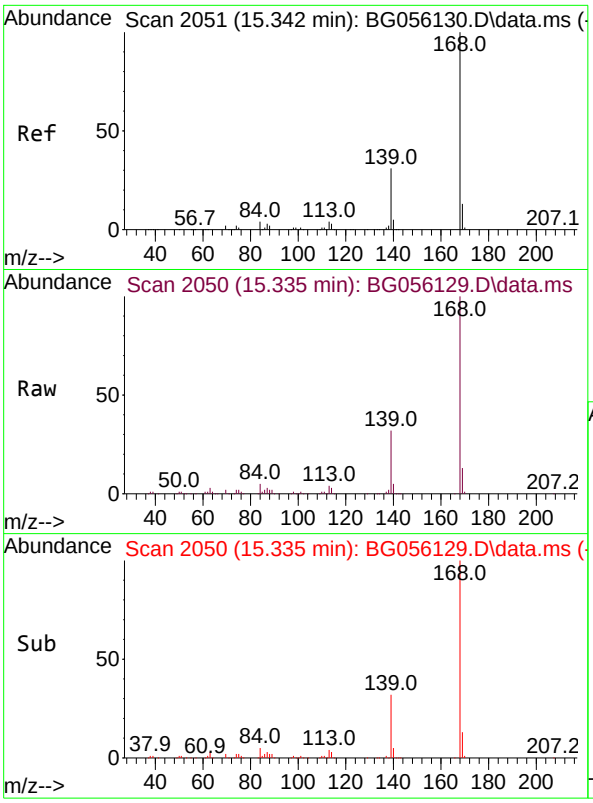


#54
2,4-Dinitrophenol
Concen: 25.072 ng
RT: 15.036 min Scan# 1999
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:184 Resp: 35907

Ion	Ratio	Lower	Upper
184	100		
63	31.2	24.0	36.0
154	60.8	45.4	68.0

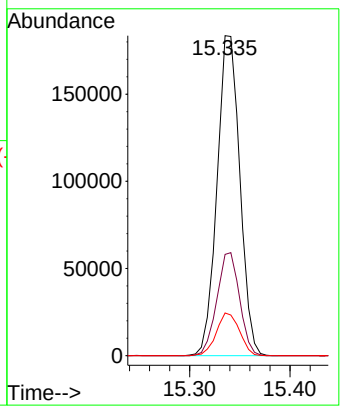




#55
Dibenzofuran
Concen: 20.302 ng
RT: 15.335 min Scan# 20
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:168 Resp: 29012

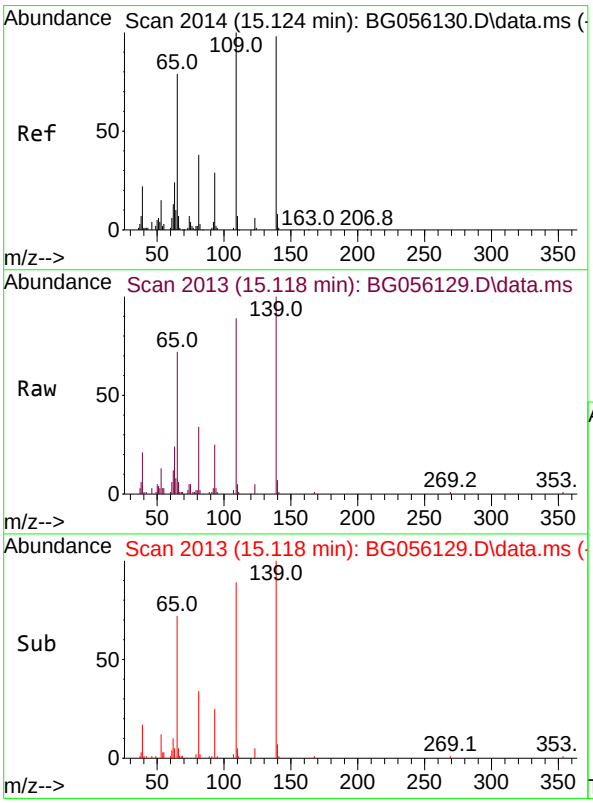
Ion	Ratio	Lower	Upper
168	100		
139	31.6	24.7	37.1
169	13.3	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

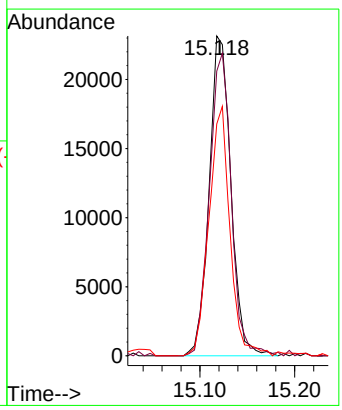
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

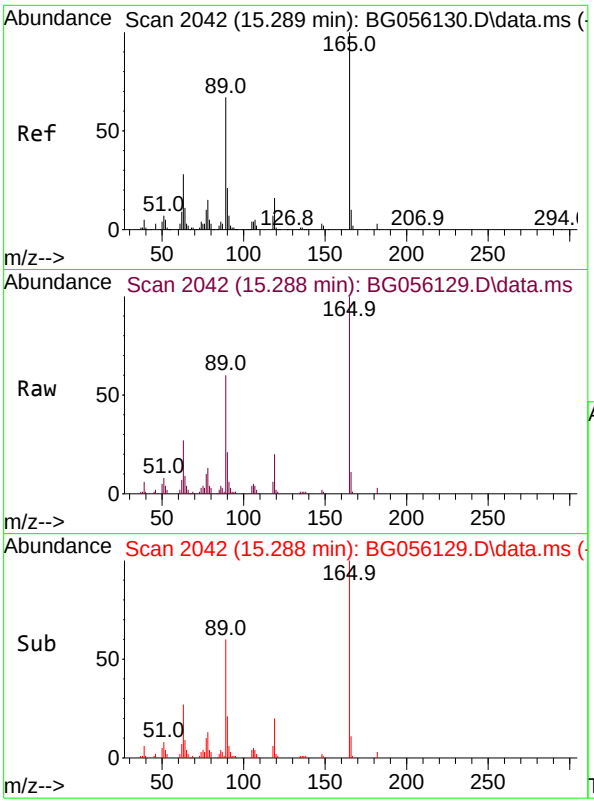


#56
4-Nitrophenol
Concen: 23.479 ng
RT: 15.118 min Scan# 2013
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:139 Resp: 36868

Ion	Ratio	Lower	Upper
139	100		
109	89.0	82.2	122.2
65	72.5	60.6	100.6

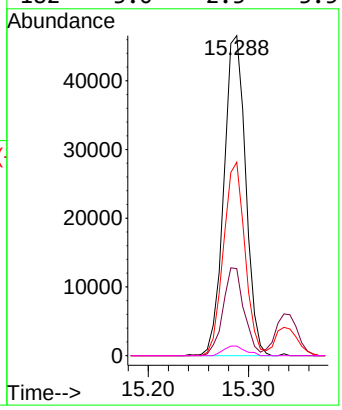




#57
2,4-Dinitrotoluene
Concen: 24.158 ng
RT: 15.288 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:165 Resp: 7024

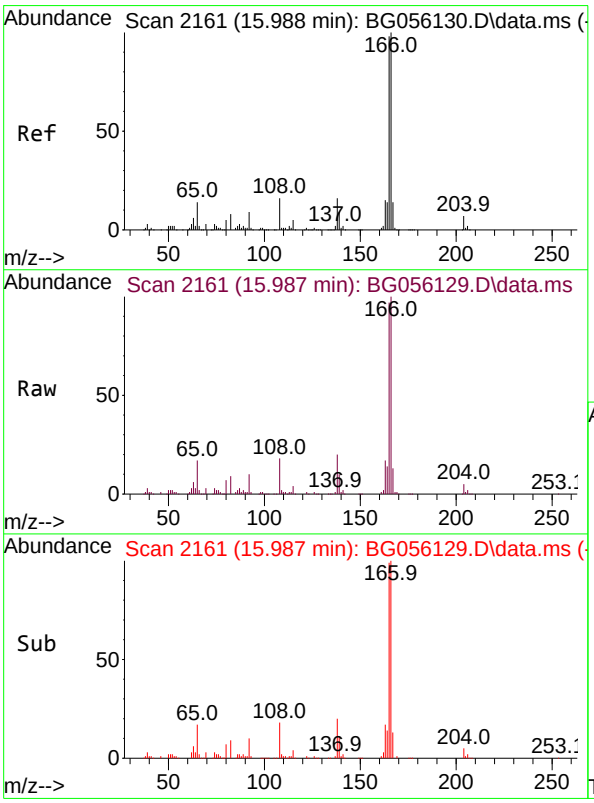
Ion	Ratio	Lower	Upper
165	100		
63	27.2	22.6	34.0
89	60.4	53.2	79.8
182	3.0	2.3	3.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

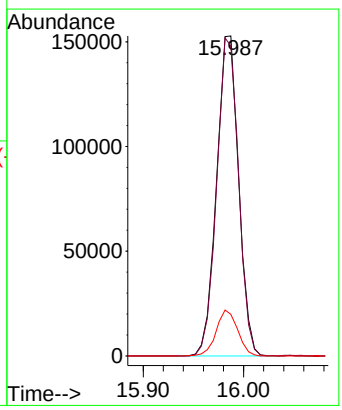
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

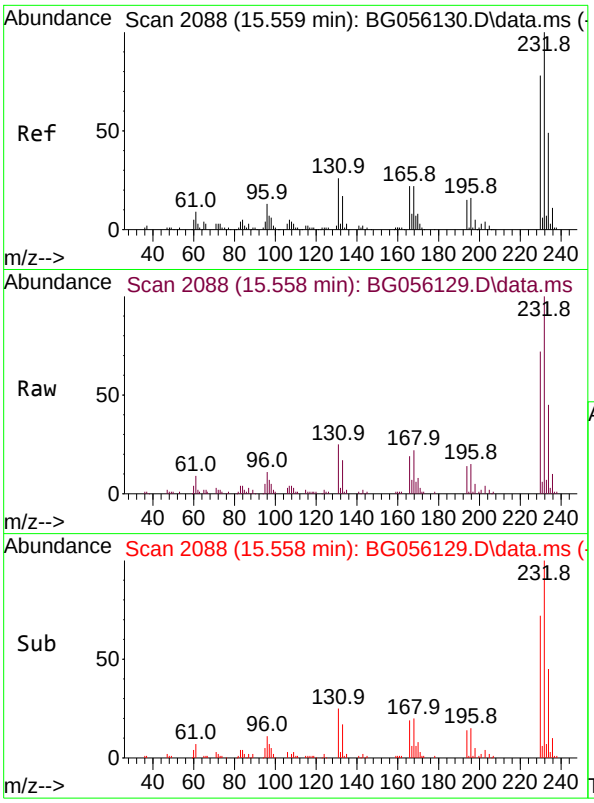


#58
Fluorene
Concen: 20.011 ng
RT: 15.987 min Scan# 2161
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:166 Resp: 233762

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.6	118.0
167	13.0	11.1	16.7

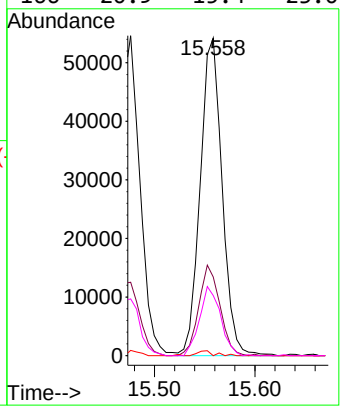




#59
2,3,4,6-Tetrachlorophenol
Concen: 17.704 ng
RT: 15.558 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:232 Resp: 8199

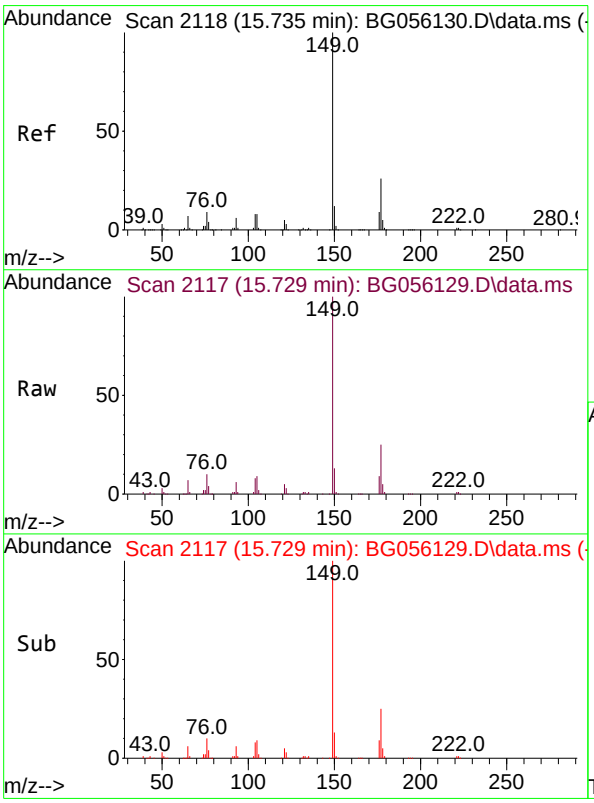
Ion	Ratio	Lower	Upper
232	100		
131	27.4	21.4	32.2
130	1.1	1.4	2.0#
166	20.9	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

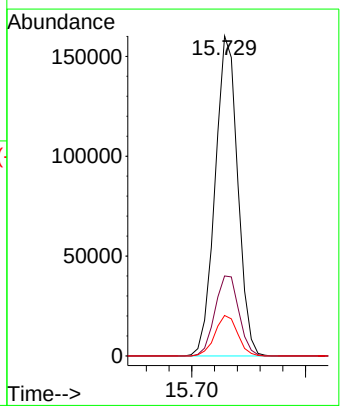
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

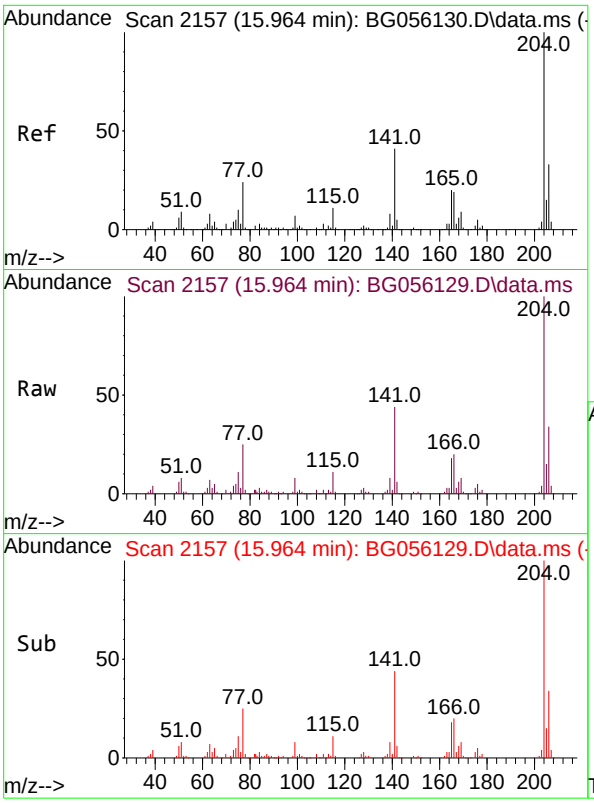


#60
Diethylphthalate
Concen: 18.146 ng
RT: 15.729 min Scan# 2117
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:149 Resp: 220798

Ion	Ratio	Lower	Upper
149	100		
177	25.0	20.6	31.0
150	12.6	9.9	14.9

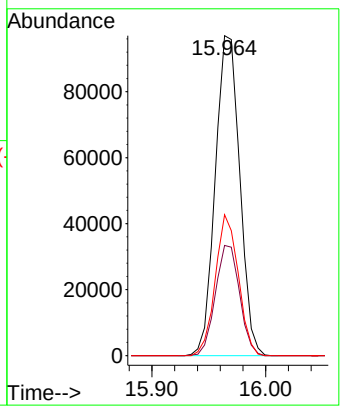




#61
4-Chlorophenyl-phenylether
Concen: 18.218 ng
RT: 15.964 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:204 Resp: 14498

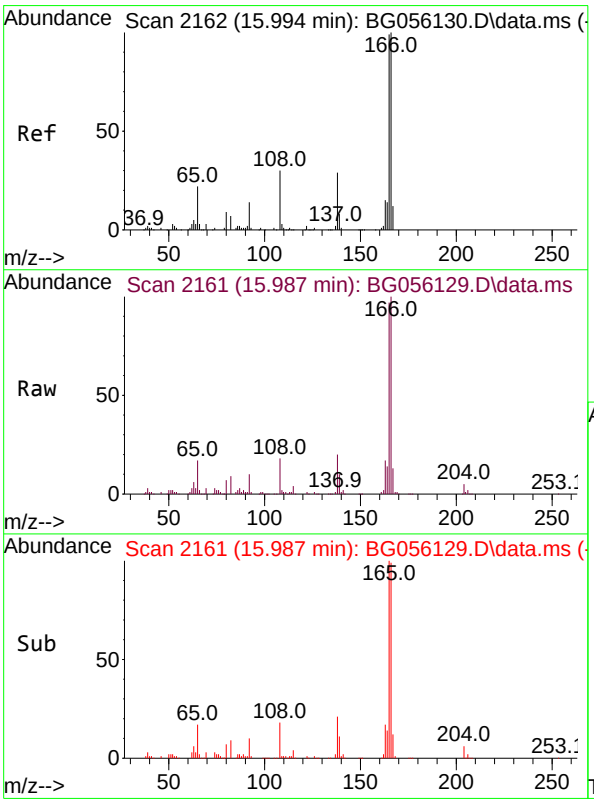
Ion	Ratio	Lower	Upper
204	100		
206	34.4	26.4	39.6
141	44.0	33.0	49.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

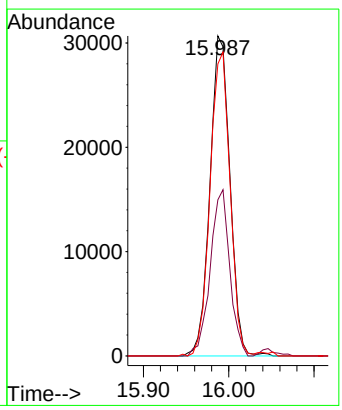
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

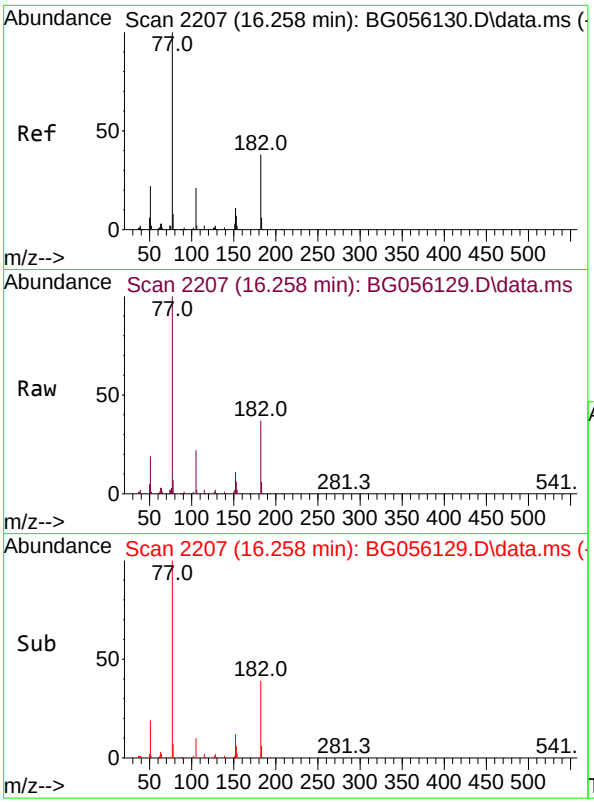


#62
4-Nitroaniline
Concen: 23.391 ng
RT: 15.987 min Scan# 2161
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:138 Resp: 49914

Ion	Ratio	Lower	Upper
138	100		
92	48.8	28.6	68.6
108	91.2	83.4	123.4

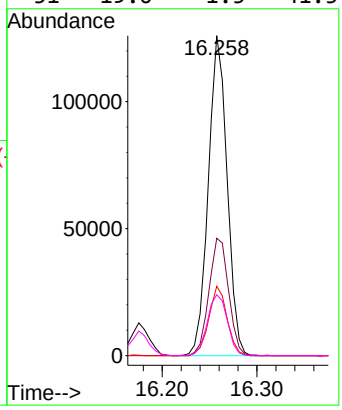




#63
Azobenzene
Concen: 23.458 ng
RT: 16.258 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion: 77 Resp: 17372

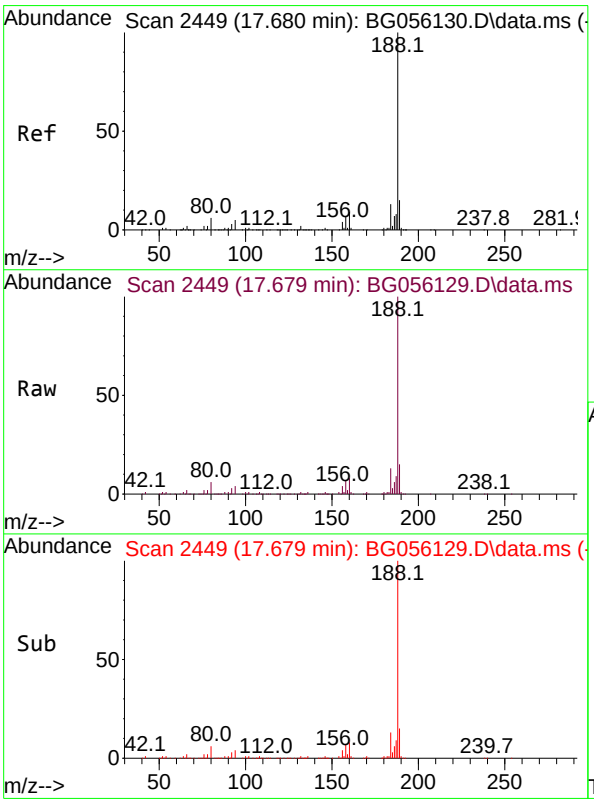
Ion	Ratio	Lower	Upper
77	100		
182	36.7	18.5	58.5
105	21.7	1.4	41.4
51	19.0	1.5	41.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

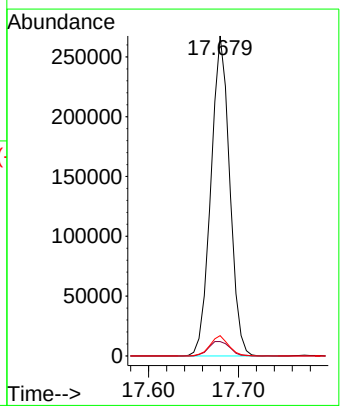
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

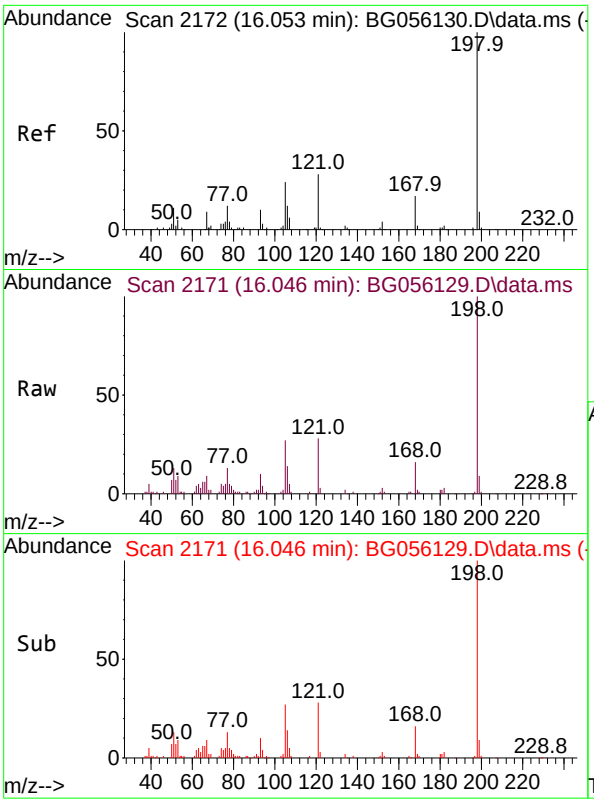


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.679 min Scan# 2449
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:188 Resp: 389214

Ion	Ratio	Lower	Upper
188	100		
94	4.5	4.2	6.2
80	6.3	5.0	7.4





#65
4,6-Dinitro-2-methylphenol
Concen: 28.168 ng
RT: 16.046 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

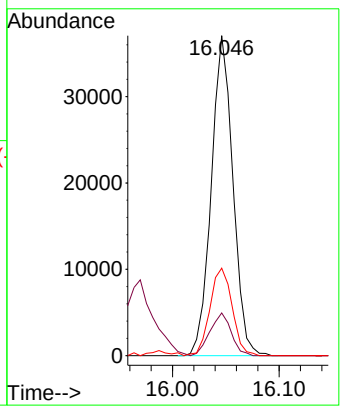
Tgt Ion:198 Resp: 5237

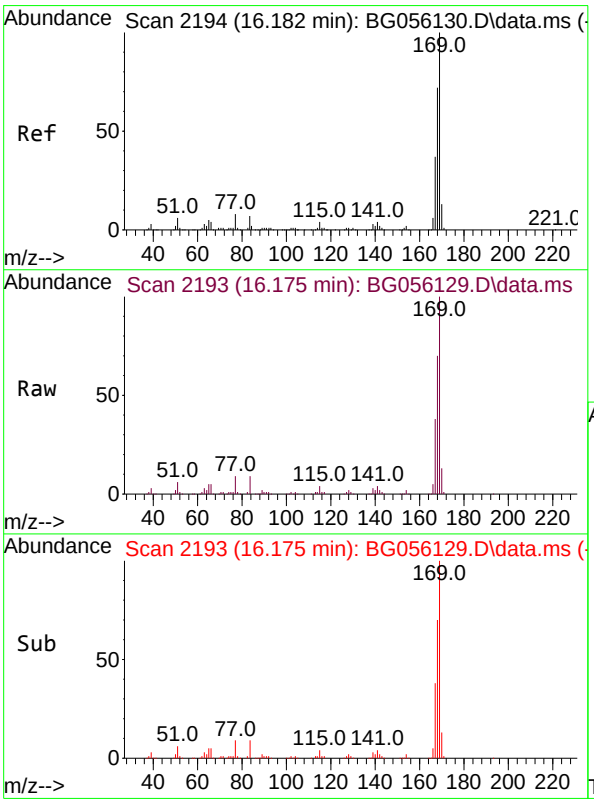
Ion	Ratio	Lower	Upper
198	100		
51	13.3	0.0	33.2
105	27.3	4.9	44.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

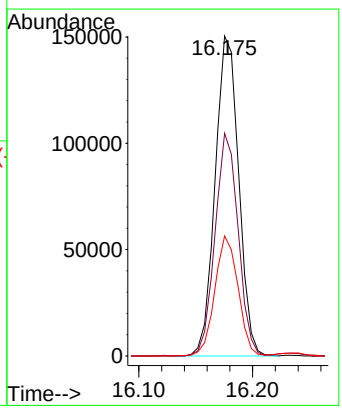


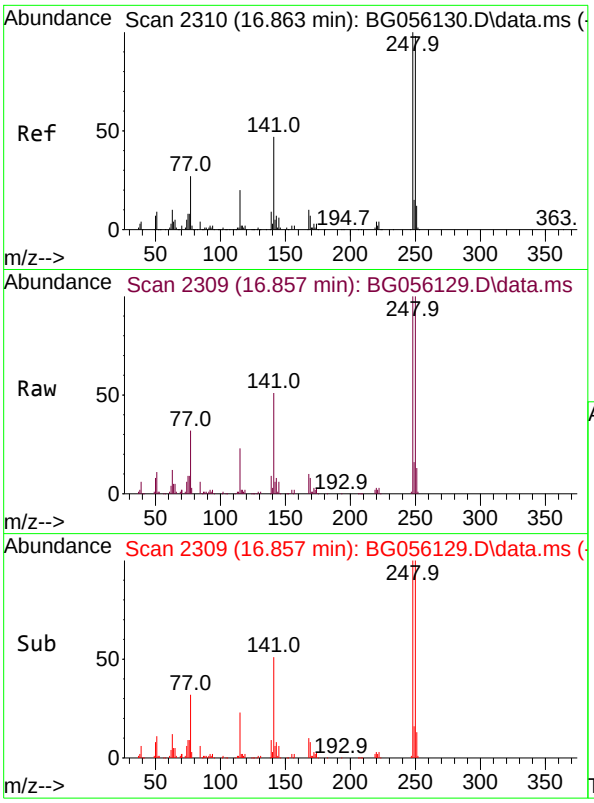


#66
n-Nitrosodiphenylamine
Concen: 21.218 ng
RT: 16.175 min Scan# 2193
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:169 Resp: 216417

Ion	Ratio	Lower	Upper
169	100		
168	69.6	58.0	87.0
167	37.5	30.0	45.0

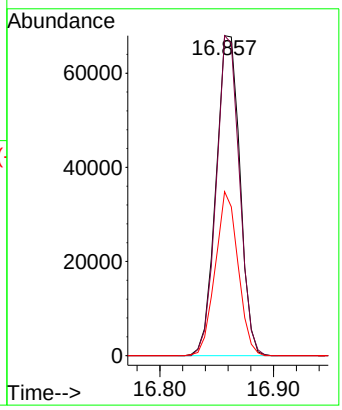




#67
4-Bromophenyl-phenylether
Concen: 17.327 ng
RT: 16.857 min Scan# 2
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:248 Resp: 9882

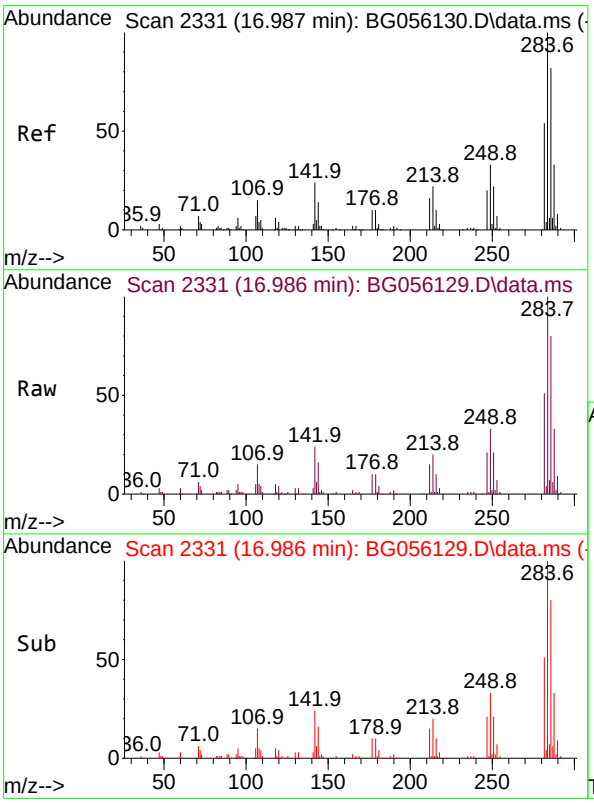
Ion	Ratio	Lower	Upper
248	100		
250	100.0	78.2	117.4
141	51.2	37.6	56.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

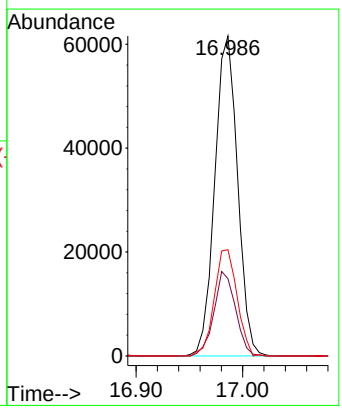
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

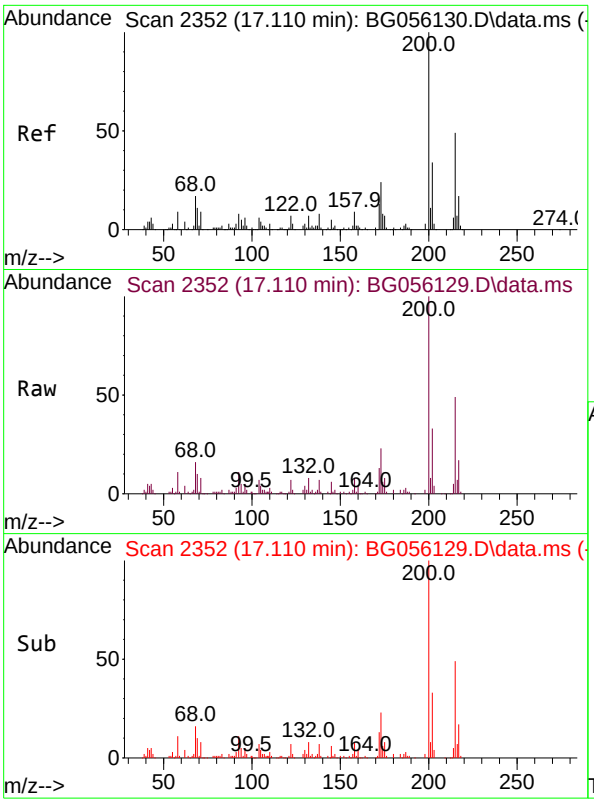


#68
Hexachlorobenzene
Concen: 13.035 ng
RT: 16.986 min Scan# 2331
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:284 Resp: 91566

Ion	Ratio	Lower	Upper
284	100		
142	24.1	19.0	28.6
249	33.2	26.6	39.8

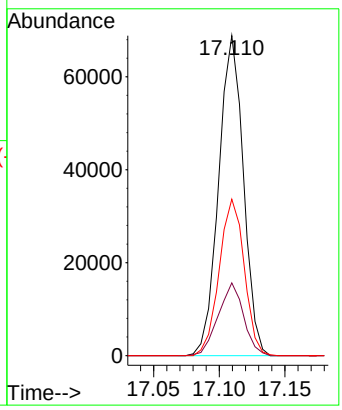




#69
Atrazine
Concen: 19.573 ng
RT: 17.110 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:200 Resp: 9039

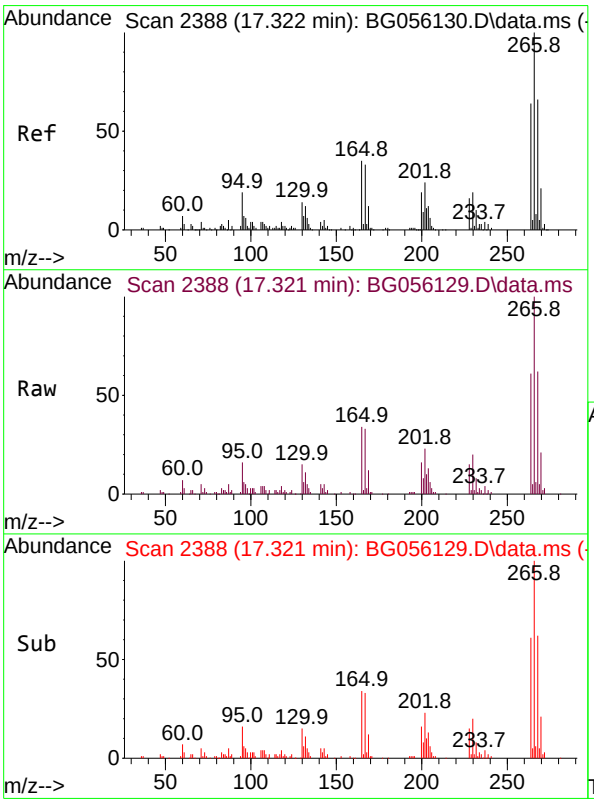
Ion	Ratio	Lower	Upper
200	100		
173	22.7	4.0	44.0
215	48.9	29.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

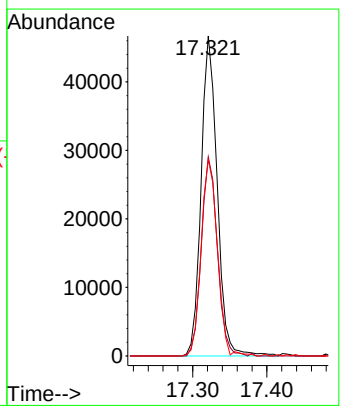
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

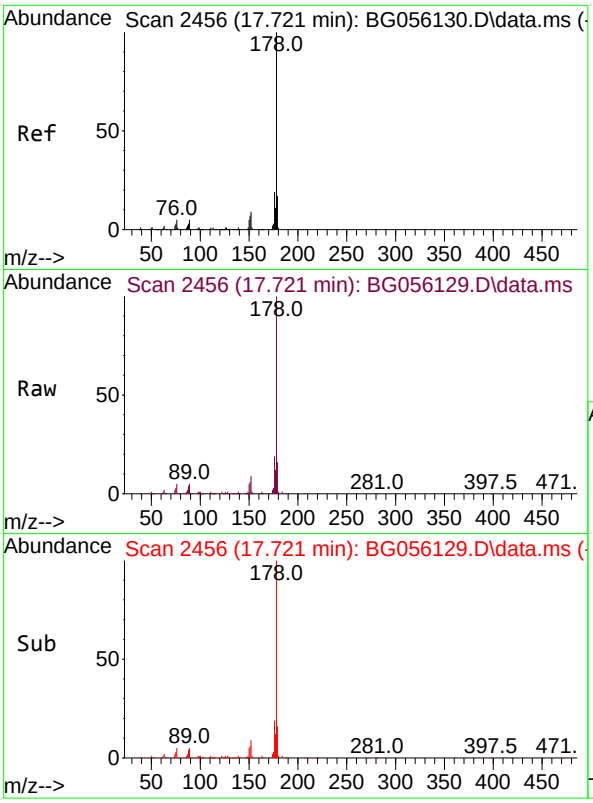


#70
Pentachlorophenol
Concen: 17.520 ng
RT: 17.321 min Scan# 2388
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:266 Resp: 70361

Ion	Ratio	Lower	Upper
266	100		
268	62.2	53.0	79.4
264	61.4	51.4	77.2

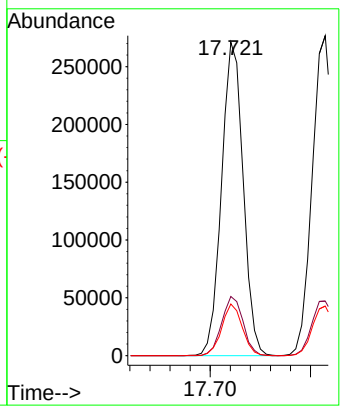




#71
Phenanthrene
Concen: 19.914 ng
RT: 17.721 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:178 Resp: 40618

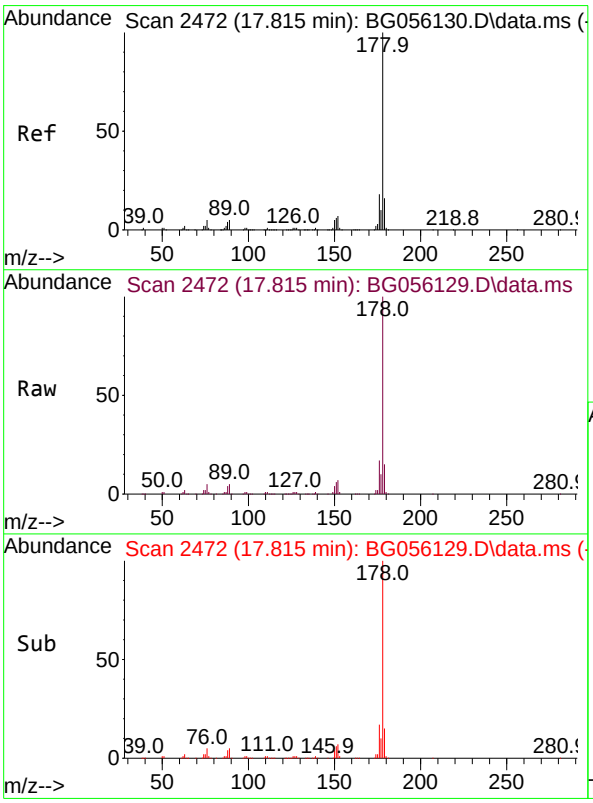
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	16.4	13.6	20.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

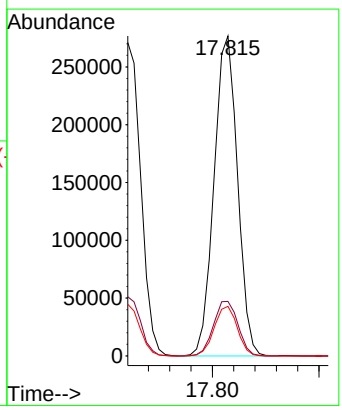
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

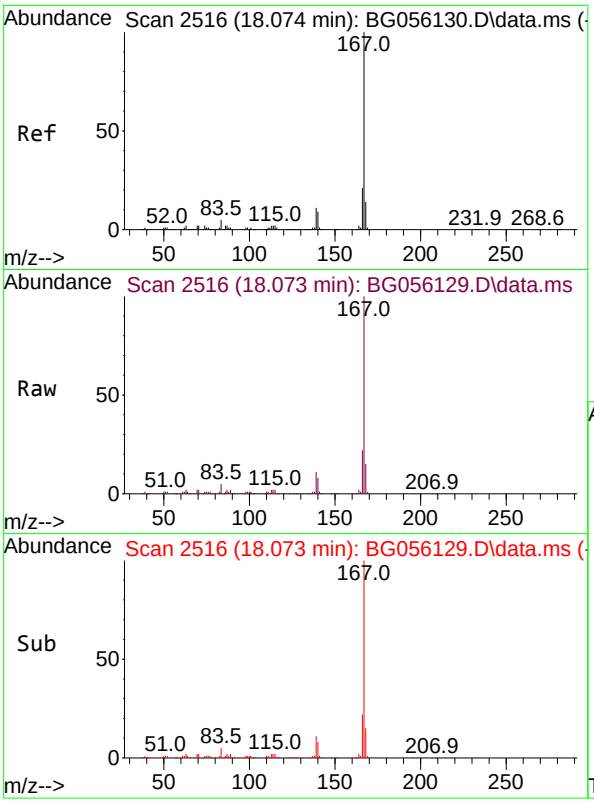


#72
Anthracene
Concen: 20.985 ng
RT: 17.815 min Scan# 2472
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:178 Resp: 423455

Ion	Ratio	Lower	Upper
178	100		
176	17.0	14.6	22.0
179	15.5	12.7	19.1

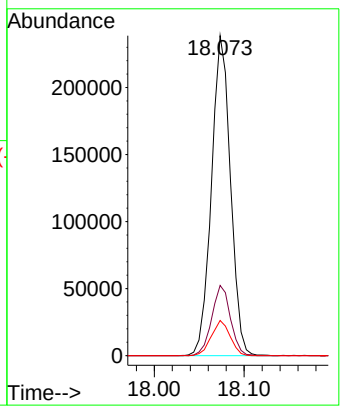




#73
Carbazole
Concen: 21.156 ng
RT: 18.073 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:167 Resp: 352090

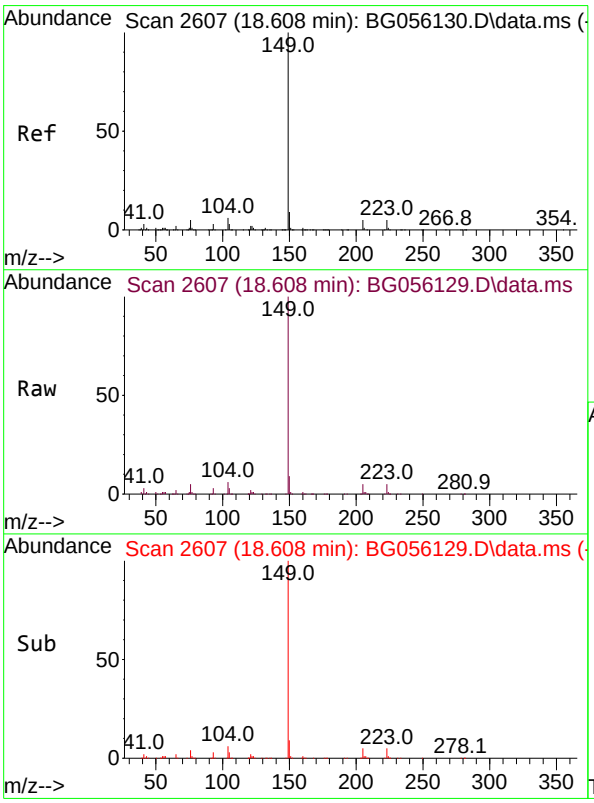
Ion	Ratio	Lower	Upper
167	100		
166	21.9	16.8	25.2
139	11.0	8.9	13.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

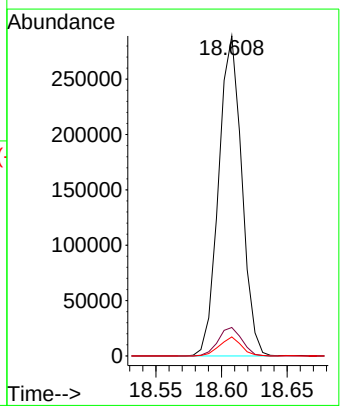
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

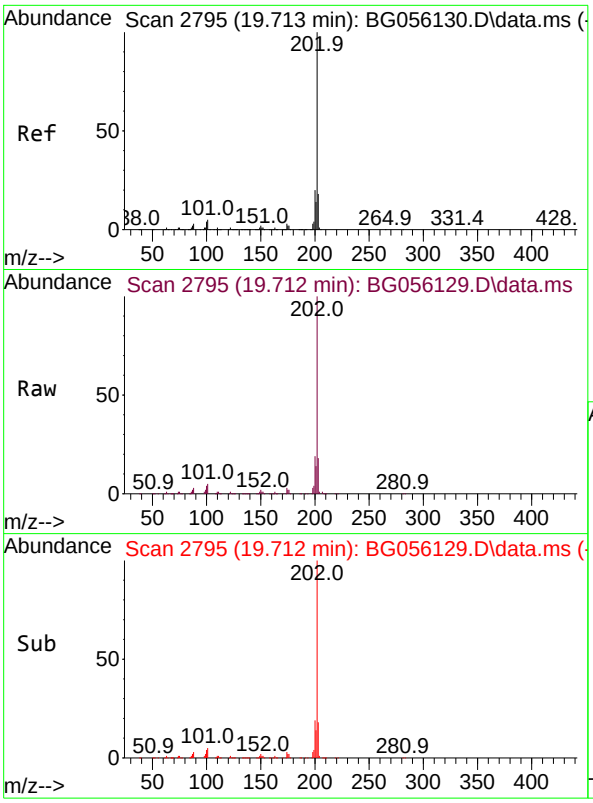


#74
Di-n-butylphthalate
Concen: 18.362 ng
RT: 18.608 min Scan# 2607
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:149 Resp: 355389

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.2
104	5.9	4.4	6.6

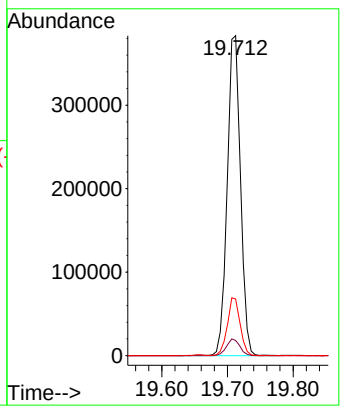




#75
Fluoranthene
Concen: 18.874 ng
RT: 19.712 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:202 Resp: 53906

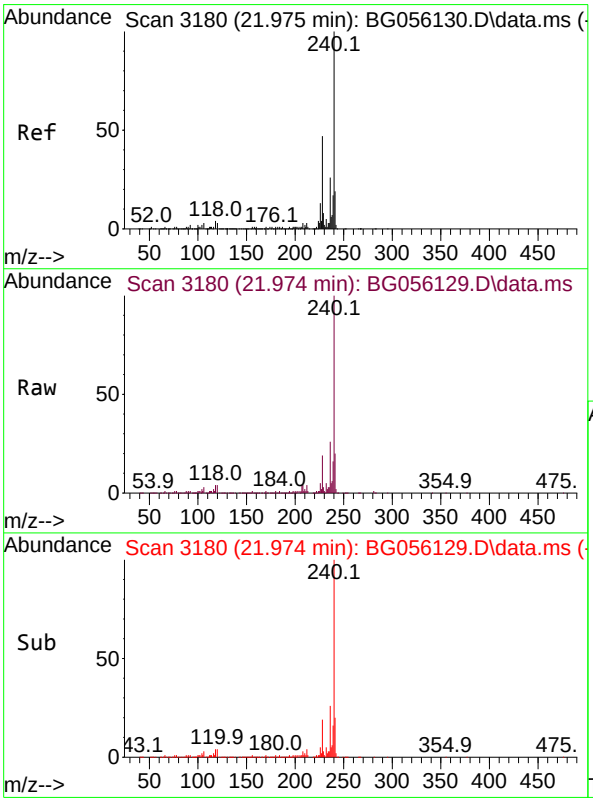
Ion	Ratio	Lower	Upper
202	100		
101	4.7	0.0	25.0
203	17.7	0.0	38.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

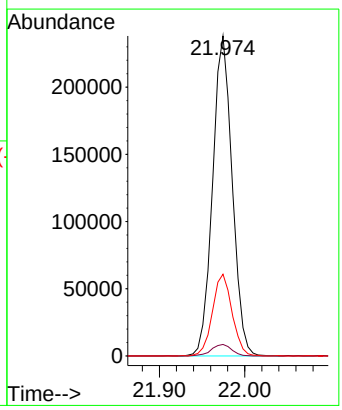
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

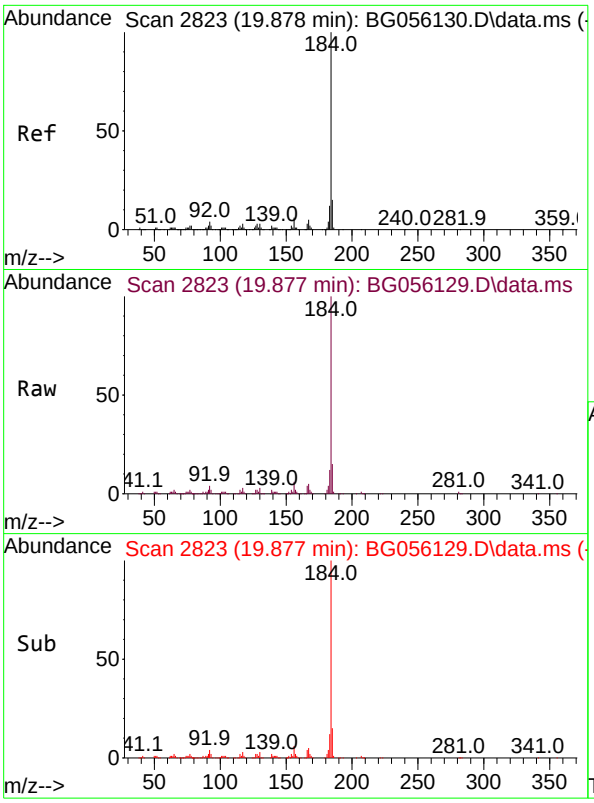


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.974 min Scan# 3180
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:240 Resp: 380242

Ion	Ratio	Lower	Upper
240	100		
120	3.6	2.6	4.0
236	25.5	20.8	31.2

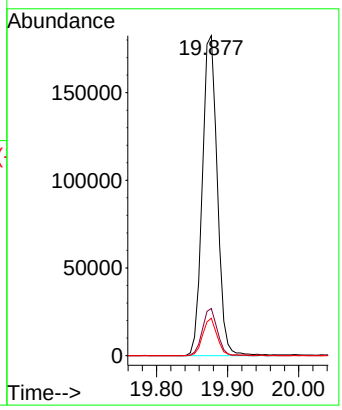




#77
Benzidine
Concen: 39.765 ng
RT: 19.877 min Scan# 28
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:184 Resp: 26554

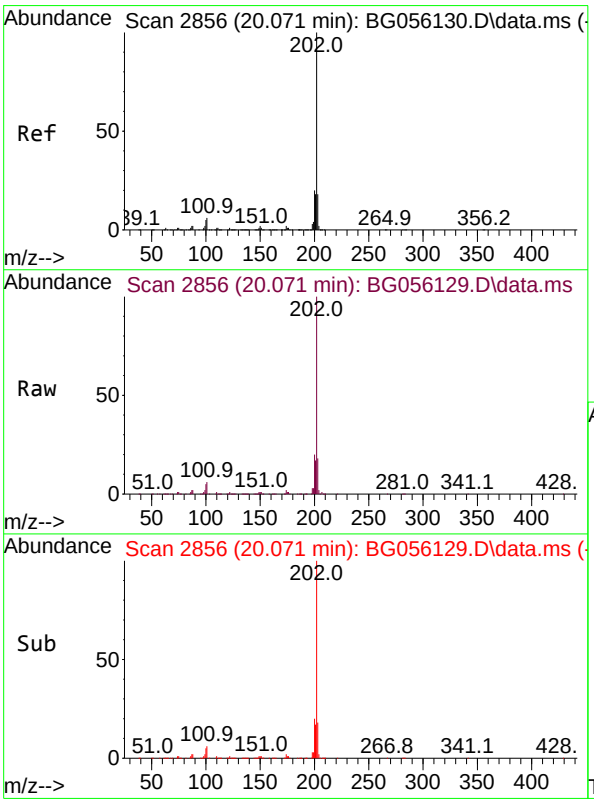
Ion	Ratio	Lower	Upper
184	100		
185	14.7	12.2	18.2
183	11.7	9.4	14.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

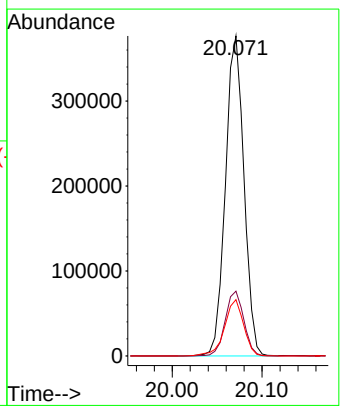
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

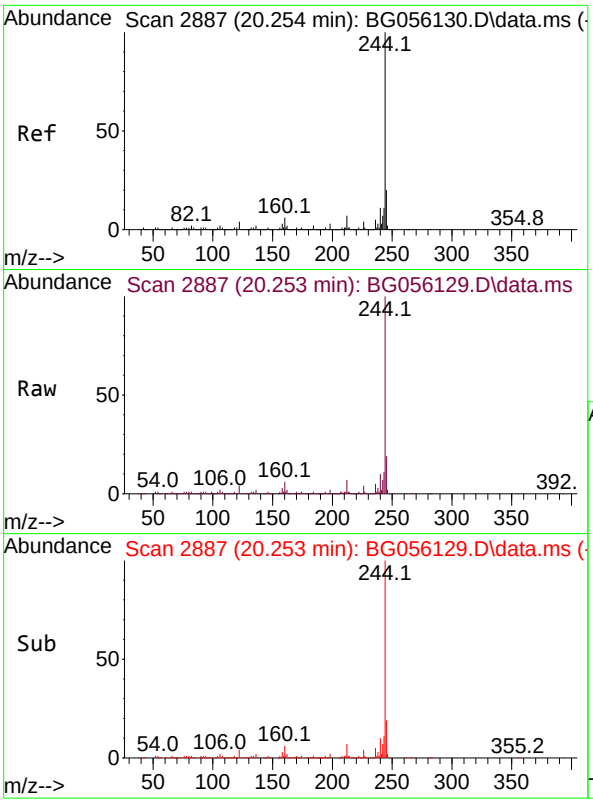


#78
Pyrene
Concen: 23.529 ng
RT: 20.071 min Scan# 2856
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:202 Resp: 541364

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.4	24.6
203	17.6	14.3	21.5





#79
Terphenyl-d14
Concen: 40.284 ng
RT: 20.253 min Scan# 28
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

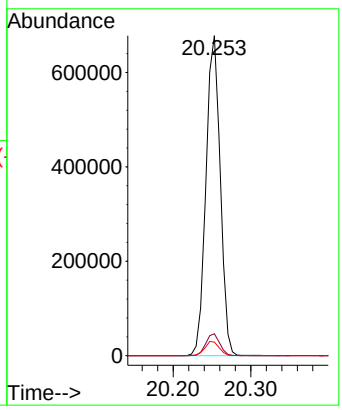
Tgt Ion:244 Resp: 86667

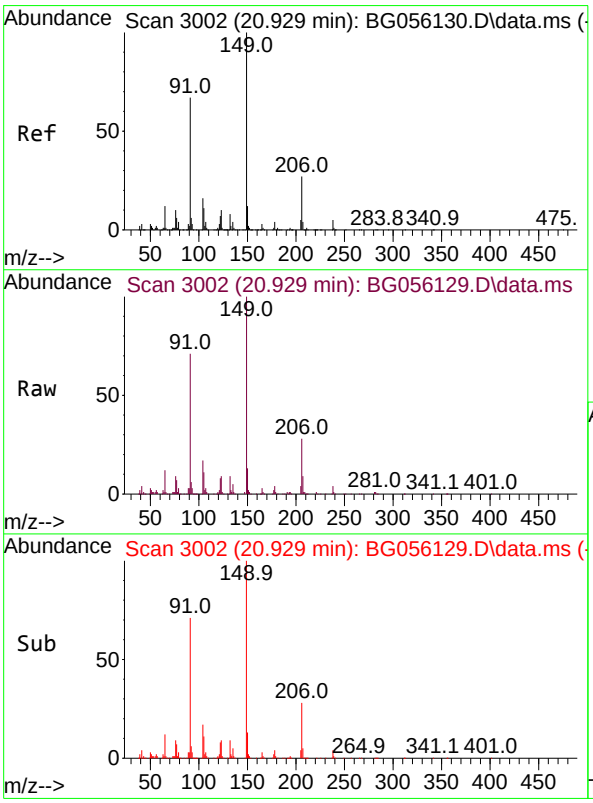
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	4.2	3.5	5.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

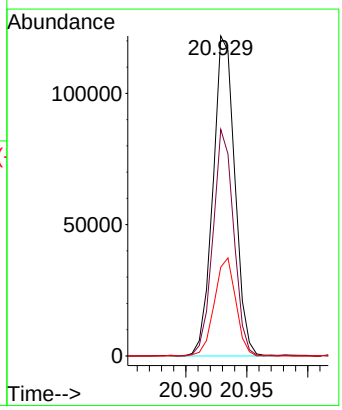


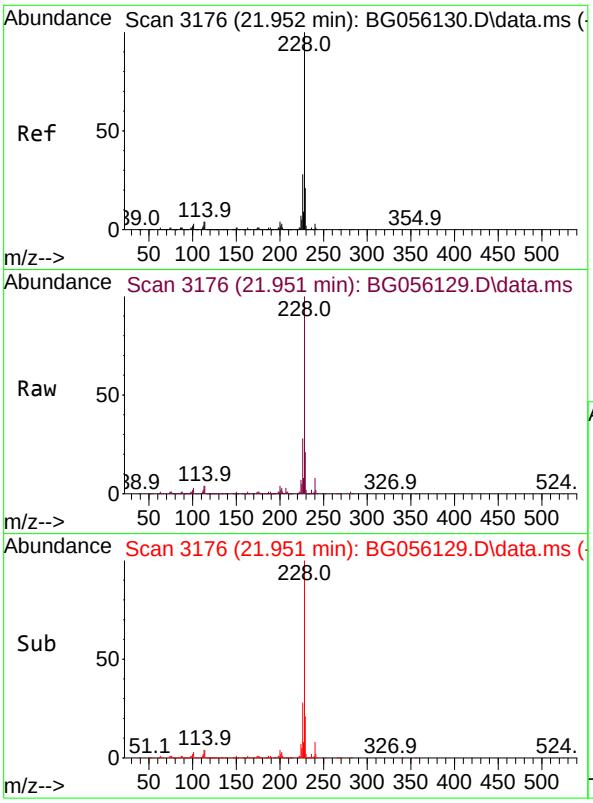


#80
Butylbenzylphthalate
Concen: 23.391 ng
RT: 20.929 min Scan# 3002
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:149 Resp: 152503

Ion	Ratio	Lower	Upper
149	100		
91	70.8	53.5	80.3
206	27.7	21.9	32.9

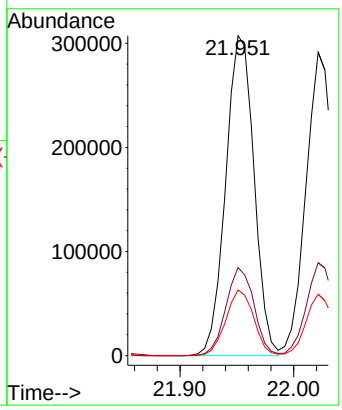




#81
Benzo(a)anthracene
Concen: 19.908 ng
RT: 21.951 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:228 Resp: 53267

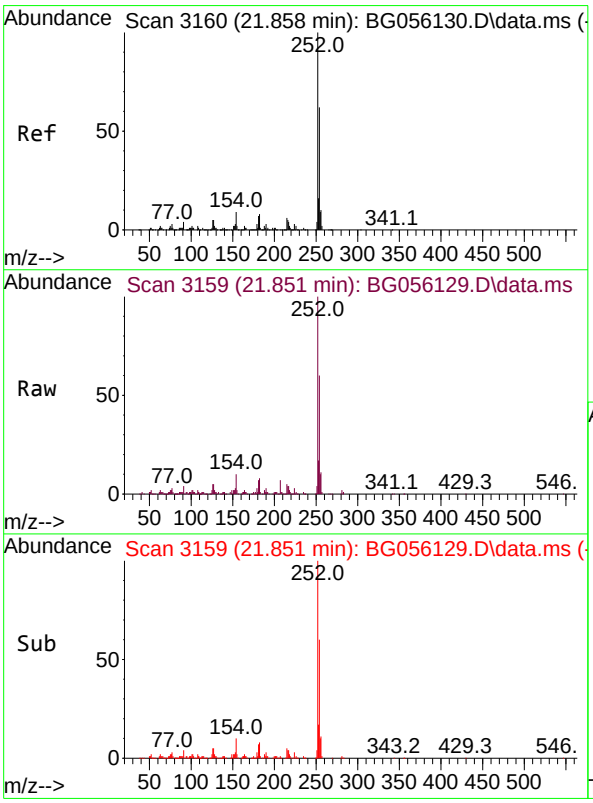
Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	34.0
229	20.6	16.9	25.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

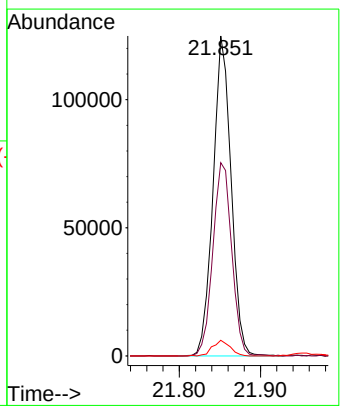
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

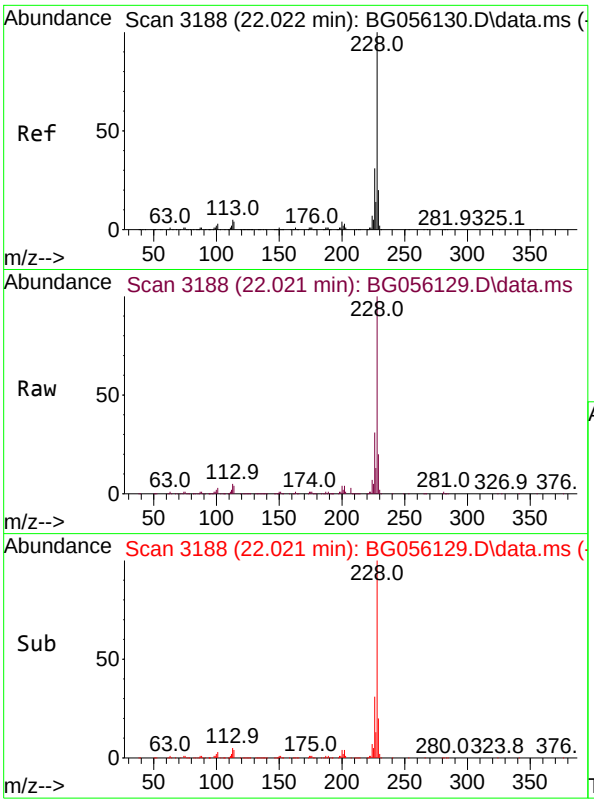


#82
3,3'-Dichlorobenzidine
Concen: 19.943 ng
RT: 21.851 min Scan# 3159
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:252 Resp: 191986

Ion	Ratio	Lower	Upper
252	100		
254	60.4	49.5	74.3
126	4.9	4.0	6.0

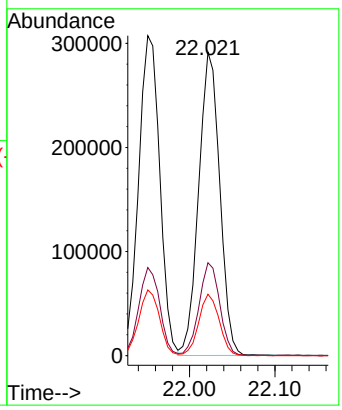




#83
Chrysene
Concen: 19.931 ng
RT: 22.021 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:228 Resp: 49982

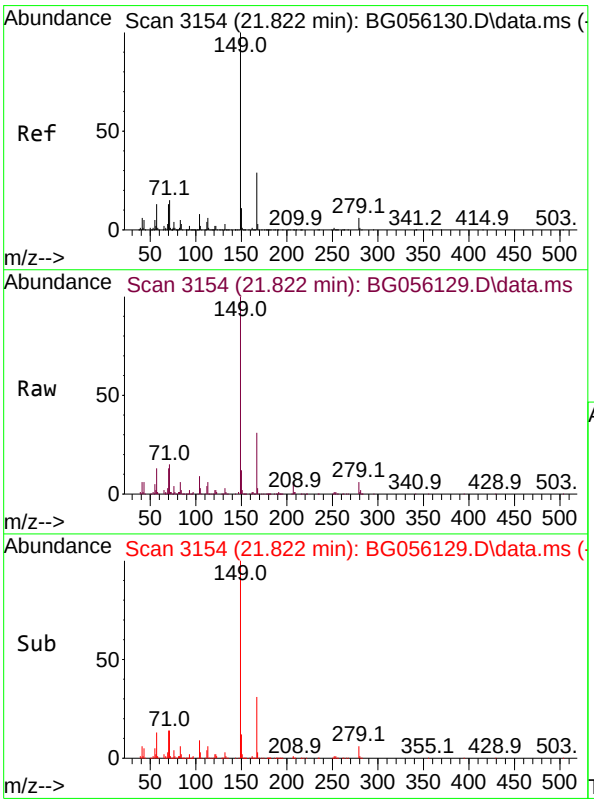
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	36.8
229	20.2	15.8	23.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

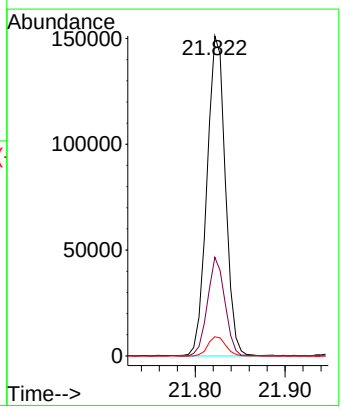
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

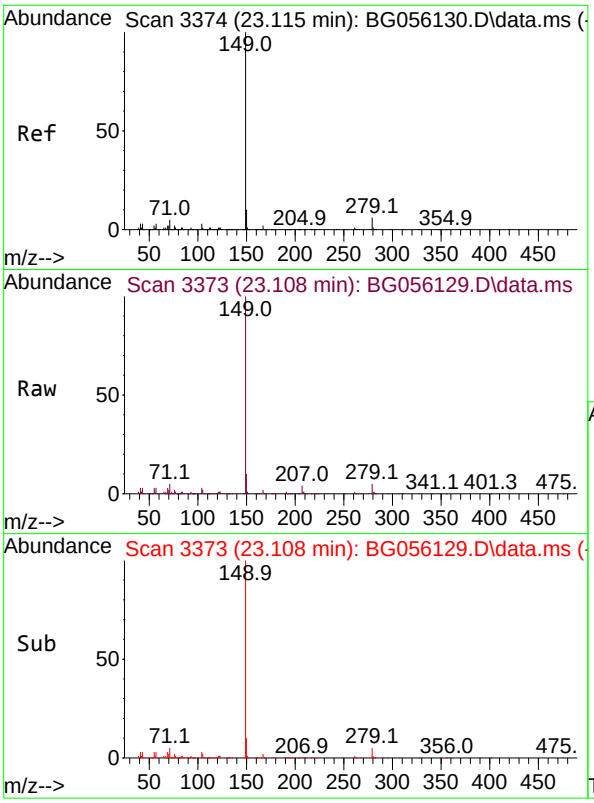


#84
Bis(2-ethylhexyl)phthalate
Concen: 22.190 ng
RT: 21.822 min Scan# 3154
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:149 Resp: 214945

Ion	Ratio	Lower	Upper
149	100		
167	30.8	23.4	35.2
279	6.0	4.7	7.1

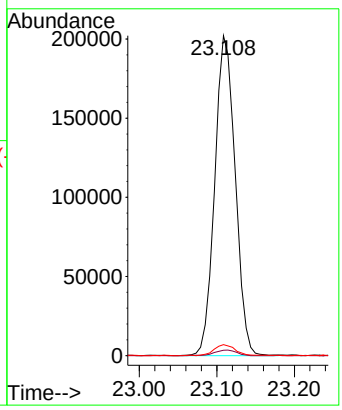




#85
Di-n-octyl phthalate
Concen: 22.586 ng
RT: 23.108 min Scan# 3
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:149 Resp: 371119

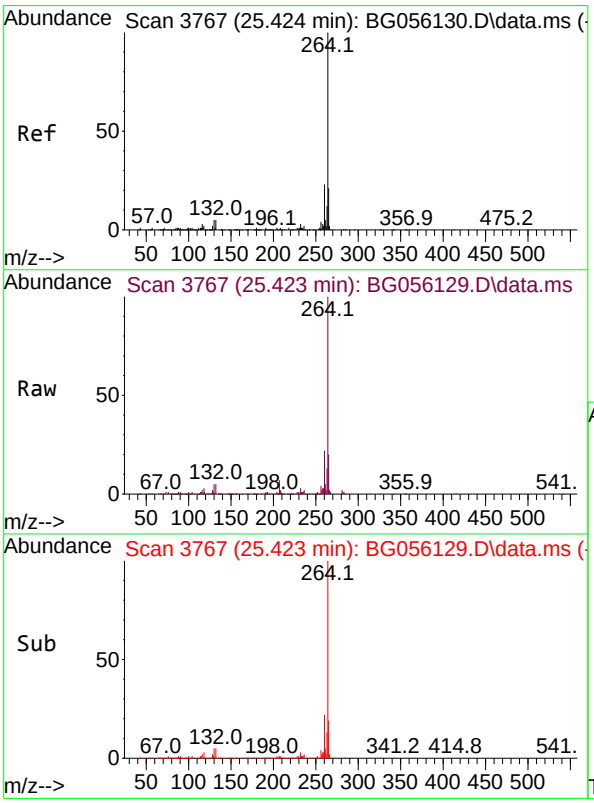
Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.2
43	3.7	2.9	4.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

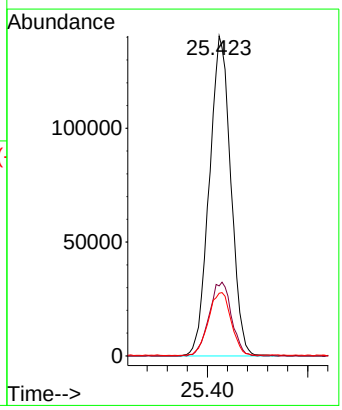
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

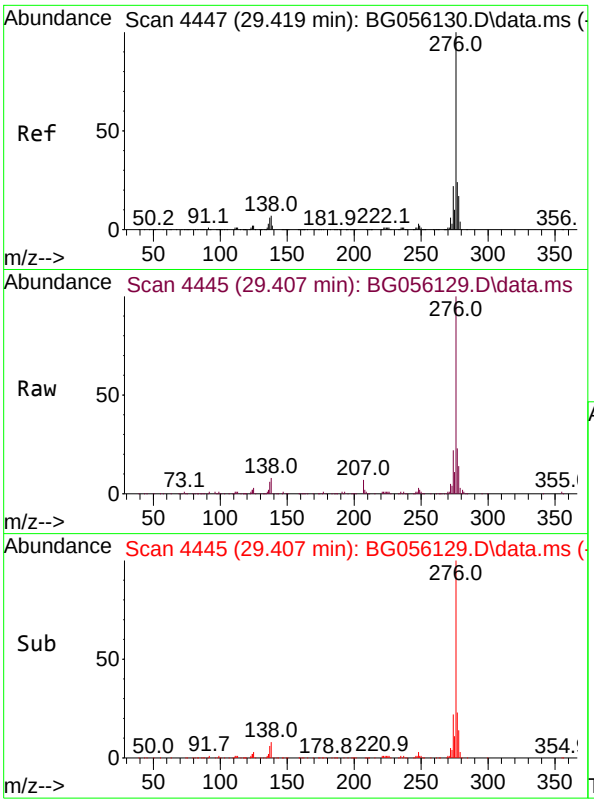


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.423 min Scan# 3767
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:264 Resp: 417769

Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.6	28.0
265	19.6	16.7	25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 17.993 ng
RT: 29.407 min Scan# 44
Delta R.T. -0.012 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

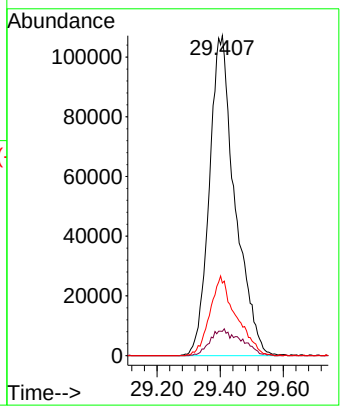
Tgt Ion:276 Resp: 60446

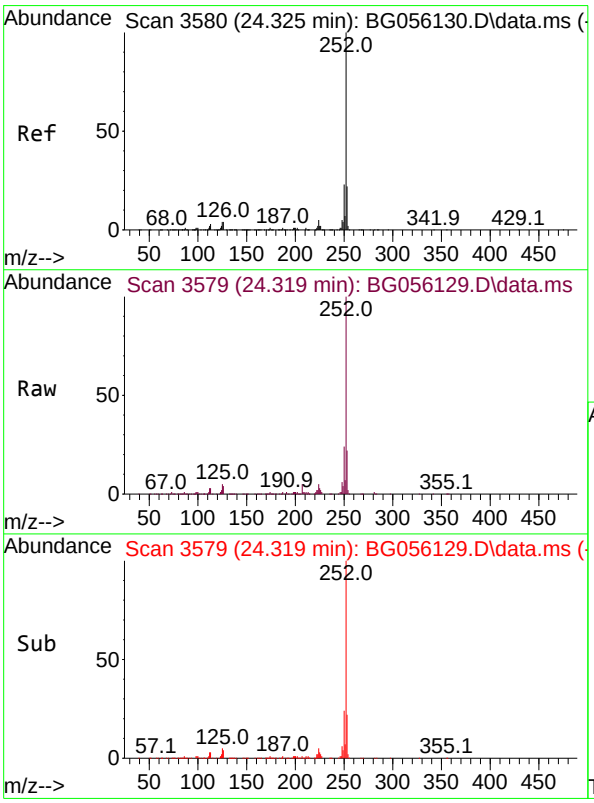
Ion	Ratio	Lower	Upper
276	100		
138	9.9	5.0	7.4#
277	25.4	20.5	30.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

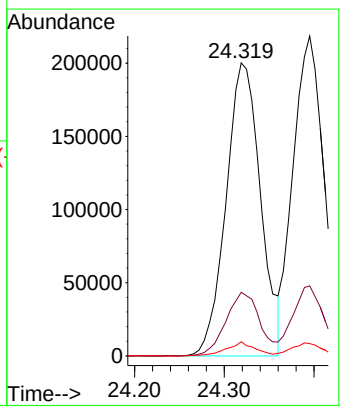


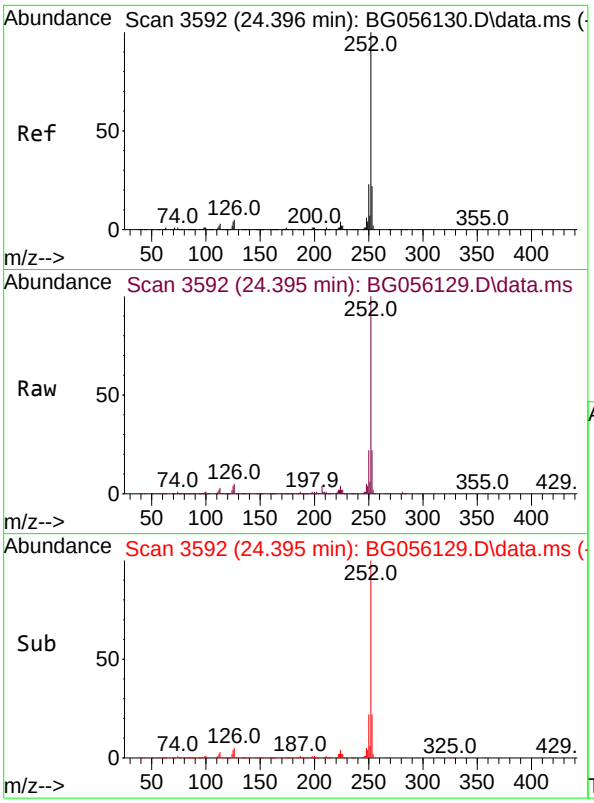


#88
Benzo(b)fluoranthene
Concen: 19.849 ng m
RT: 24.319 min Scan# 3579
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:252 Resp: 536655

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	4.8	3.0	4.4#

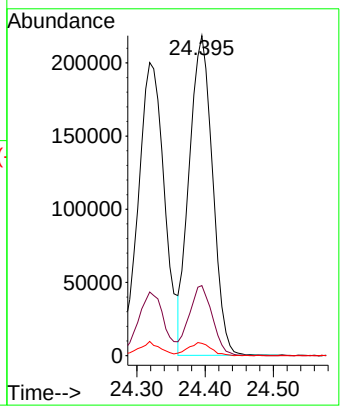




#89
Benzo(k)fluoranthene
Concen: 19.282 ng
RT: 24.395 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:252 Resp: 52015

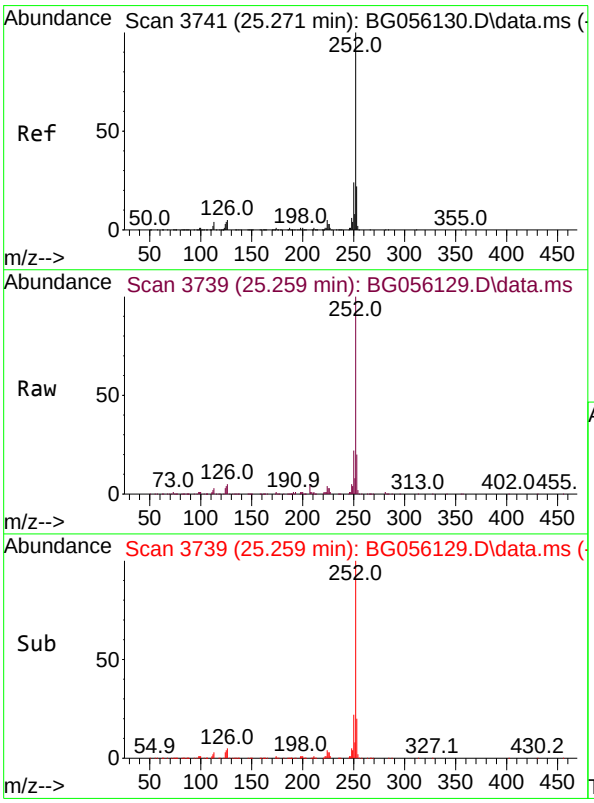
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	3.8	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

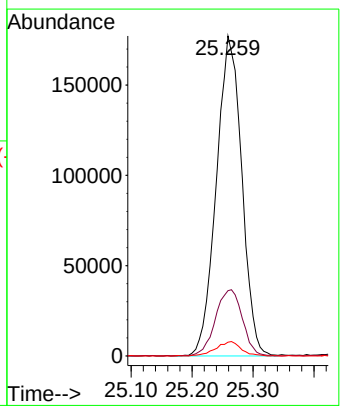
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

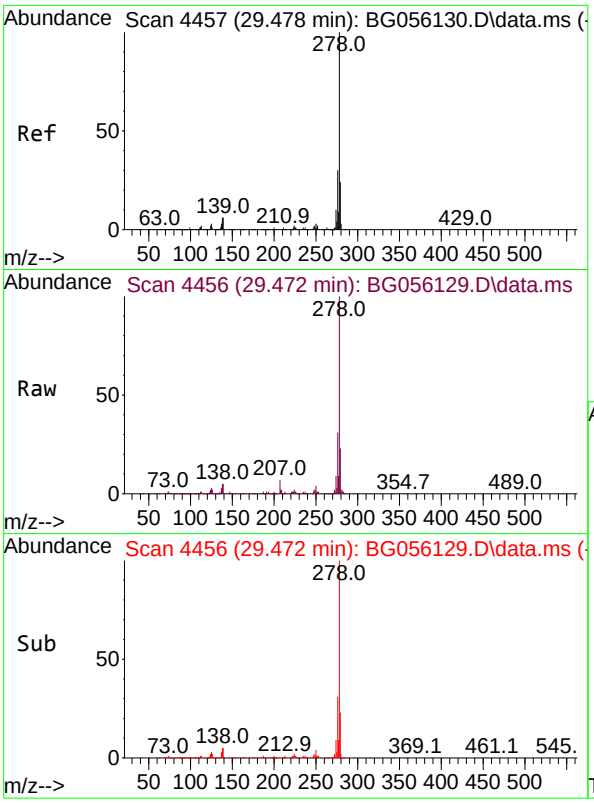


#90
Benzo(a)pyrene
Concen: 22.481 ng
RT: 25.259 min Scan# 3739
Delta R.T. -0.012 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:252 Resp: 513781

Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.4	26.2
125	4.3	3.2	4.8

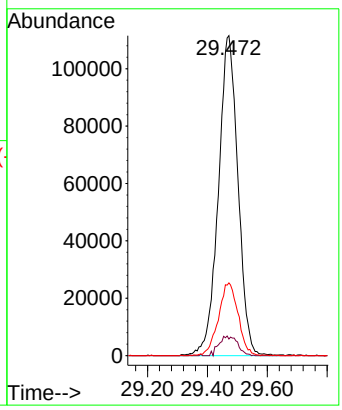




#91
Dibenzo(a,h)anthracene
Concen: 18.146 ng
RT: 29.472 min Scan# 44
Delta R.T. -0.007 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:278 Resp: 51023

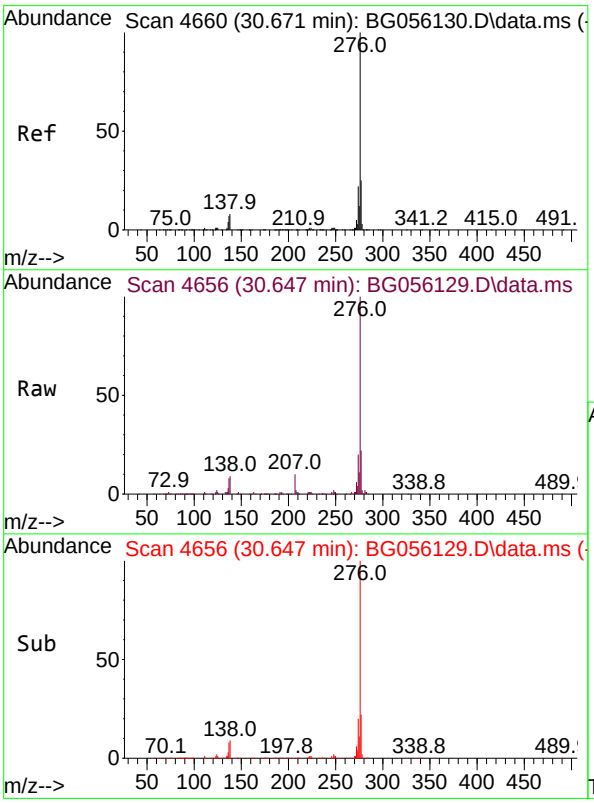
Ion	Ratio	Lower	Upper
278	100		
139	5.2	4.8	7.2
279	22.7	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

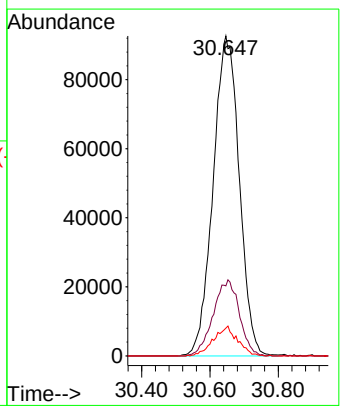
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#92
Benzo(g,h,i)perylene
Concen: 18.111 ng
RT: 30.647 min Scan# 4656
Delta R.T. -0.024 min
Lab File: BG056129.D
Acq: 27 Dec 2022 16:58

Tgt Ion:276 Resp: 492382

Ion	Ratio	Lower	Upper
276	100		
277	21.9	19.7	29.5
138	8.7	6.7	10.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056130.D
Acq On : 27 Dec 2022 17:40
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Quant Time: Dec 28 04:54:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.338	152	41150	20.000	ng	0.00
21) Naphthalene-d8	11.170	136	163717	20.000	ng	0.00
39) Acenaphthene-d10	14.948	164	138977	20.000	ng	0.00
64) Phenanthrene-d10	17.680	188	365985	20.000	ng	0.00
76) Chrysene-d12	21.975	240	356915	20.000	ng	0.00
86) Perylene-d12	25.424	264	394986	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.853	112	185638	105.797	ng	0.00
7) Phenol-d6	7.469	99	293933	130.247	ng	0.00
23) Nitrobenzene-d5	9.513	82	254990	108.842	ng	0.00
42) 2,4,6-Tribromophenol	16.423	330	142987	42.668	ng	0.00
45) 2-Fluorobiphenyl	13.573	172	816851	82.432	ng	0.00
79) Terphenyl-d14	20.254	244	1589598	78.715	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.679	88	44303	86.760	ng	100
3) Pyridine	4.096	79	133090	79.197	ng	100
4) n-Nitrosodimethylamine	4.002	42	27577	18.255	ng	100
6) Aniline	7.651	93	189288	70.056	ng	100
8) 2-Chlorophenol	7.897	128	93592	41.344	ng	100
9) Benzaldehyde	7.463	77	82353	58.106	ng	100
10) Phenol	7.498	94	147789	59.836	ng	100
11) bis(2-Chloroethyl)ether	7.739	93	98345	61.129	ng	100
12) 1,3-Dichlorobenzene	8.227	146	111532	38.087	ng	100
13) 1,4-Dichlorobenzene	8.373	146	113818	38.032	ng	100
14) 1,2-Dichlorobenzene	8.697	146	109658	38.341	ng	100
15) Benzyl Alcohol	8.567	79	108231	46.155	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.861	45	17314	8.269	ng	100
17) 2-Methylphenol	8.767	107	109419	56.306	ng	100
18) Hexachloroethane	9.437	117	34386	37.852	ng	100
19) n-Nitroso-di-n-propyla...	9.143	70	87233	53.927	ng	100
20) 3+4-Methylphenols	9.096	107	154066	55.556	ng	100
22) Acetophenone	9.167	105	185776	45.775	ng	100
24) Nitrobenzene	9.554	77	125533	53.234	ng	100
25) Isophorone	10.071	82	268024	54.559	ng	100
26) 2-Nitrophenol	10.271	139	64692	46.342	ng	100
27) 2,4-Dimethylphenol	10.312	122	117539	50.135	ng	100
28) bis(2-Chloroethoxy)met...	10.547	93	137624	63.387	ng	100
29) 2,4-Dichlorophenol	10.806	162	134596	40.449	ng	100
30) 1,2,4-Trichlorobenzene	11.029	180	146732	33.921	ng	100
31) Naphthalene	11.223	128	339119	39.257	ng	100
32) Benzoic acid	10.424	122	91272	50.467	ng	100
33) 4-Chloroaniline	11.317	127	164336	44.376	ng	100
34) Hexachlorobutadiene	11.499	225	108000	26.557	ng	100
35) Caprolactam	12.081	113	43800	47.243	ng	100
36) 4-Chloro-3-methylphenol	12.410	107	131645	42.191	ng	100
37) 2-Methylnaphthalene	12.798	142	291579	38.205	ng	100
38) 1-Methylnaphthalene	13.015	142	267410	35.966	ng	100
40) 1,2,4,5-Tetrachloroben...	13.156	216	212505	36.241	ng	100
41) Hexachlorocyclopentadiene	13.138	237	126856	38.135	ng	100
43) 2,4,6-Trichlorophenol	13.385	196	143610	41.374	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056130.D
Acq On : 27 Dec 2022 17:40
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Quant Time: Dec 28 04:54:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.462	196	166077	42.445	ng	100
46) 1,1'-Biphenyl	13.785	154	405099	43.003	ng	100
47) 2-Chloronaphthalene	13.832	162	319435	41.733	ng	100
48) 2-Nitroaniline	14.026	65	68268	53.318	ng	100
49) Acenaphthylene	14.672	152	520448	42.598	ng	100
50) Dimethylphthalate	14.384	163	451531	37.579	ng	100
51) 2,6-Dinitrotoluene	14.507	165	94702	50.932	ng	100
52) Acenaphthene	15.013	154	340030	41.456	ng	100
53) 3-Nitroaniline	14.842	138	92791	49.063	ng	100
54) 2,4-Dinitrophenol	15.042	184	72460	52.420	ng	100
55) Dibenzofuran	15.342	168	562059	40.750	ng	100
56) 4-Nitrophenol	15.124	139	72602	47.904	ng	100
57) 2,4-Dinitrotoluene	15.289	165	137928	49.143	ng	100
58) Fluorene	15.988	166	445100	39.477	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.559	232	155442	34.774	ng	97
60) Diethylphthalate	15.735	149	425545	36.235	ng	100
61) 4-Chlorophenyl-phenyle...	15.964	204	281428	36.640	ng	100
62) 4-Nitroaniline	15.994	138	96012	46.616	ng	100
63) Azobenzene	16.258	77	325019	45.470	ng	100
65) 4,6-Dinitro-2-methylph...	16.053	198	103491	59.194	ng	100
66) n-Nitrosodiphenylamine	16.182	169	409612	42.709	ng	100
67) 4-Bromophenyl-phenylether	16.863	248	188548	35.158	ng	100
68) Hexachlorobenzene	16.987	284	176076	26.656	ng	100
69) Atrazine	17.110	200	174208	40.116	ng	100
70) Pentachlorophenol	17.322	266	139007	36.810	ng	100
71) Phenanthrene	17.721	178	767665	40.025	ng	100
72) Anthracene	17.815	178	791142	41.694	ng	100
73) Carbazole	18.074	167	668256	42.702	ng	100
74) Di-n-butylphthalate	18.608	149	669316	36.777	ng	100
75) Fluoranthene	19.713	202	1004927	37.418	ng	100
77) Benzidine	19.878	184	522554	83.368	ng	100
78) Pyrene	20.071	202	1001916	46.391	ng	100
80) Butylbenzylphthalate	20.929	149	292007	47.715	ng	100
81) Benzo(a)anthracene	21.952	228	1010480	40.234	ng	100
82) 3,3'-Dichlorobenzidine	21.858	252	375400	41.544	ng	100
83) Chrysene	22.022	228	951523	40.424	ng	100
84) Bis(2-ethylhexyl)phtha...	21.822	149	421207	46.326	ng	100
85) Di-n-octyl phthalate	23.115	149	714077	46.299	ng	100
87) Indeno(1,2,3-cd)pyrene	29.419	276	1172160	36.904	ng	100
88) Benzo(b)fluoranthene	24.325	252	1024766	40.088	ng	100
89) Benzo(k)fluoranthene	24.396	252	1013467	39.737	ng	100
90) Benzo(a)pyrene	25.271	252	996026	46.095	ng	100
91) Dibenzo(a,h)anthracene	29.478	278	975139	36.680	ng	100
92) Benzo(g,h,i)perylene	30.671	276	958304	37.283	ng	100

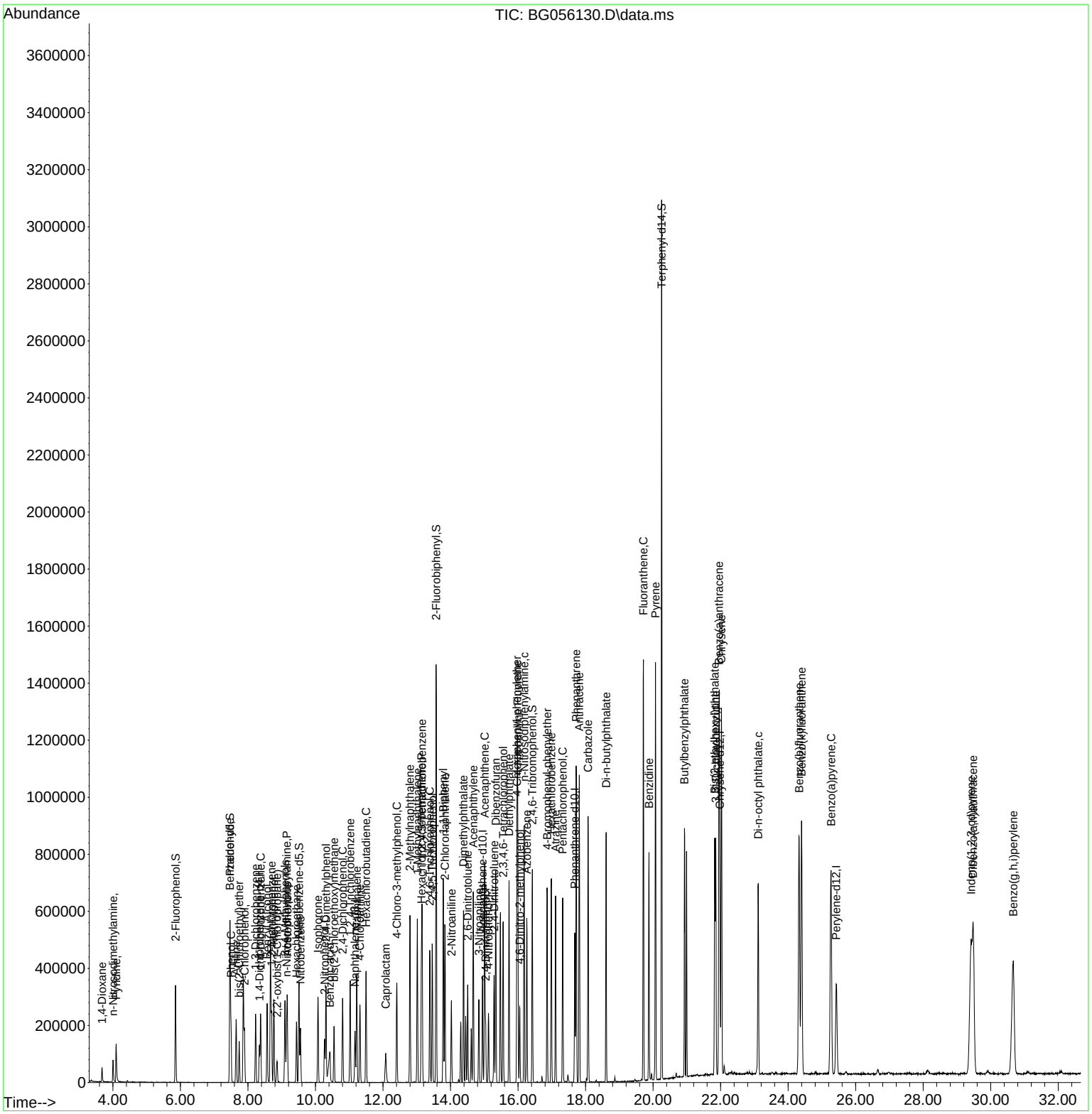
(#) = qualifier out of range (m) = manual integration (+) = signals summed

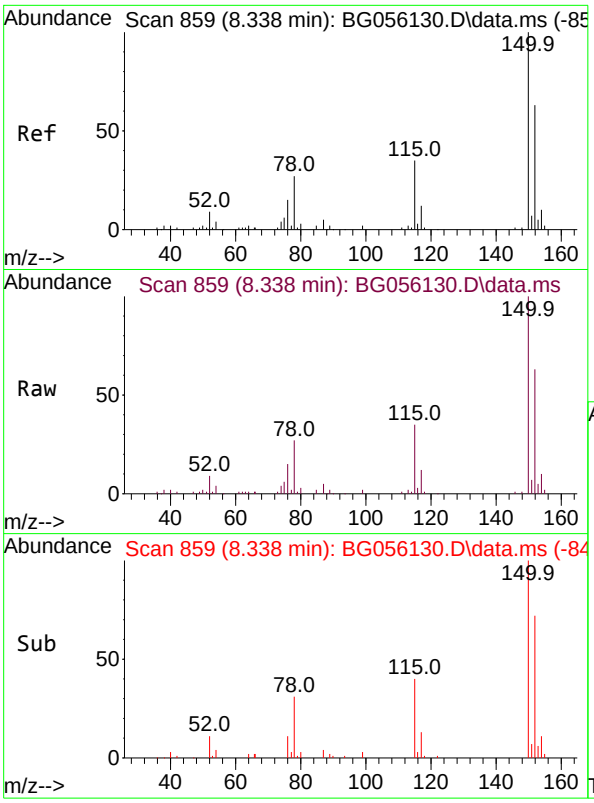
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056130.D
Acq On : 27 Dec 2022 17:40
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Quant Time: Dec 28 04:54:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration



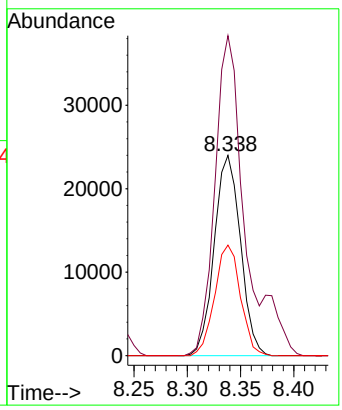


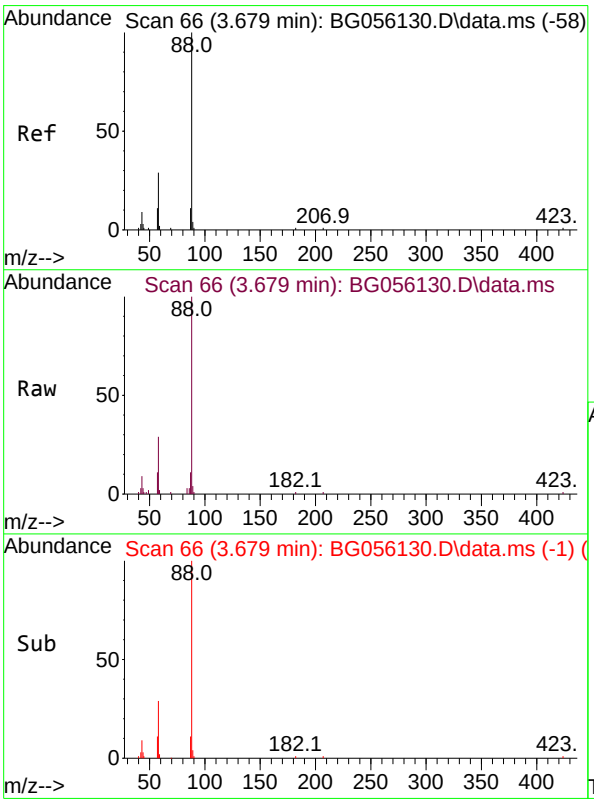
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.338 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 41150

Ion	Ratio	Lower	Upper
152	100		
150	159.9	127.9	191.9
115	55.2	44.2	66.2

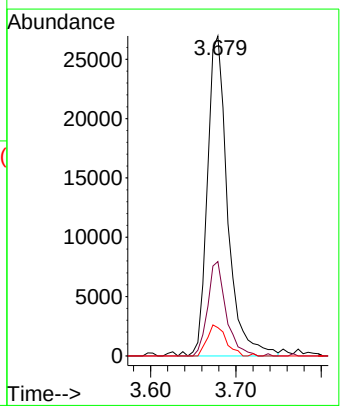


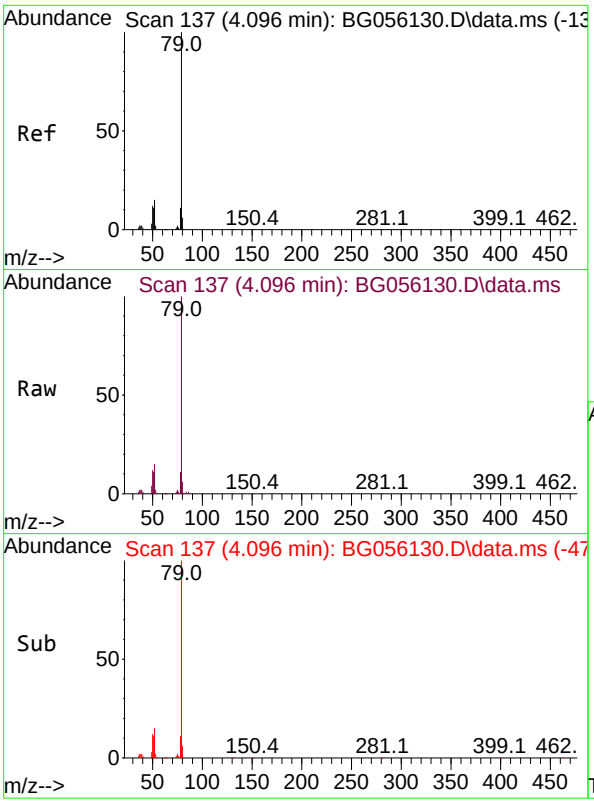


#2
1,4-Dioxane
Concen: 86.760 ng
RT: 3.679 min Scan# 66
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion: 88 Resp: 44303

Ion	Ratio	Lower	Upper
88	100		
58	26.7	21.4	32.0
43	8.9	7.1	10.7



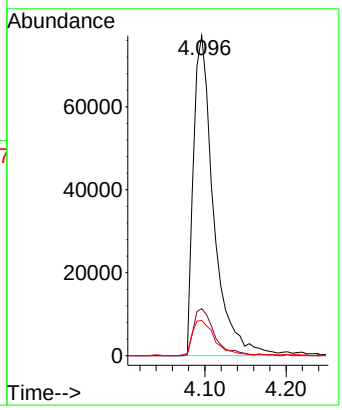


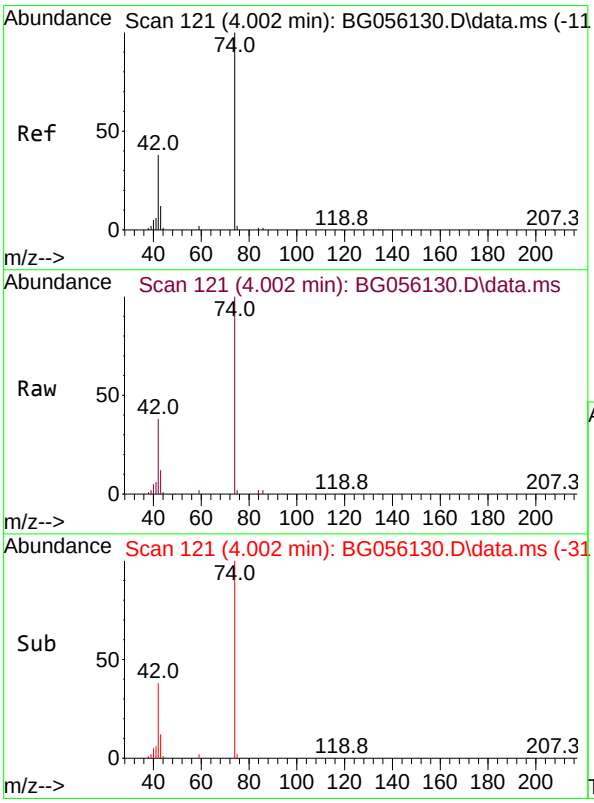
#3
Pyridine
Concen: 79.197 ng
RT: 4.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 133090

Ion	Ratio	Lower	Upper
79	100		
52	14.7	11.8	17.6
51	11.0	8.8	13.2

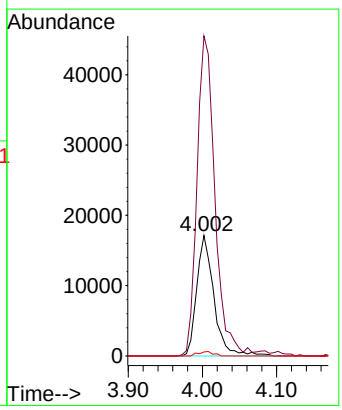


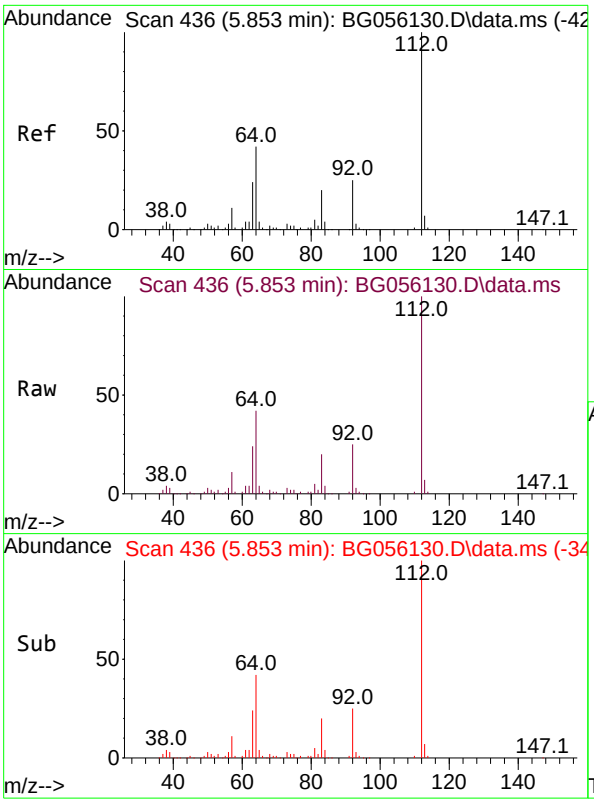


#4
n-Nitrosodimethylamine
Concen: 18.255 ng
RT: 4.002 min Scan# 121
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion: 42 Resp: 27577

Ion	Ratio	Lower	Upper
42	100		
74	265.8	212.6	319.0
44	3.2	2.6	3.8



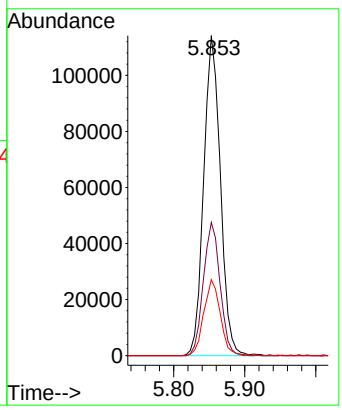


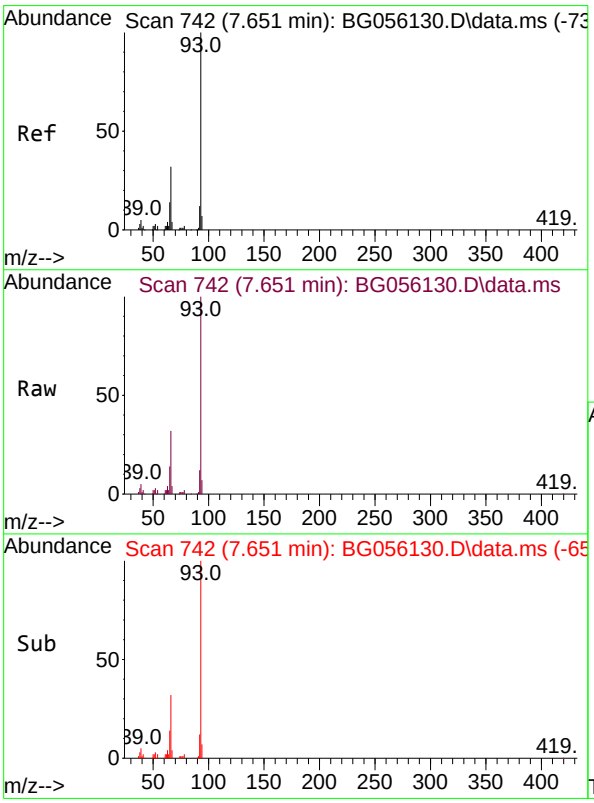
#5
2-Fluorophenol
Concen: 105.797 ng
RT: 5.853 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 185638

Ion	Ratio	Lower	Upper
112	100		
64	41.6	33.3	49.9
63	23.7	19.0	28.4

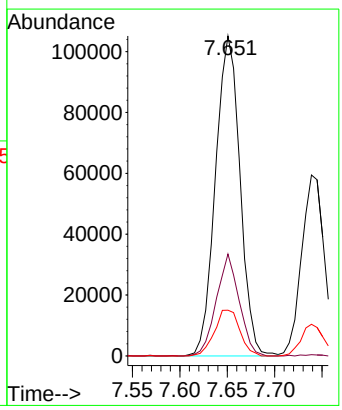


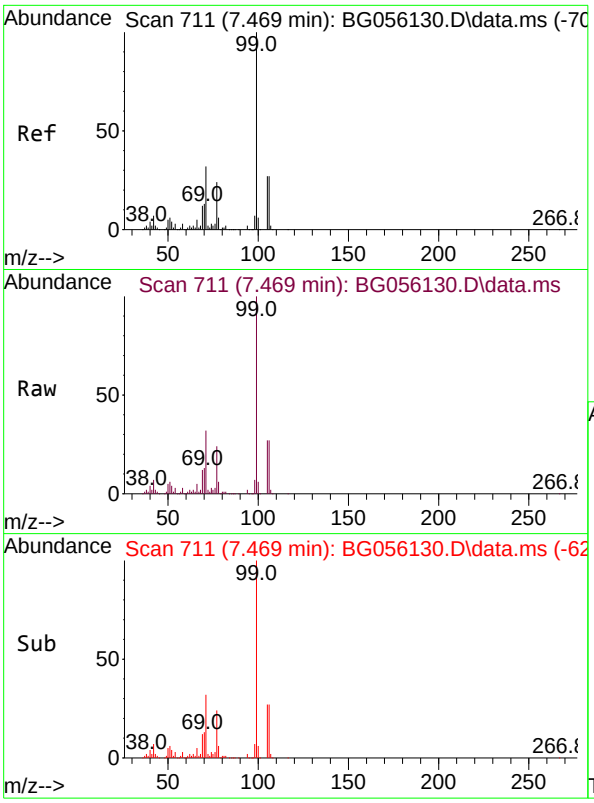


#6
Aniline
Concen: 70.056 ng
RT: 7.651 min Scan# 742
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion: 93 Resp: 189288

Ion	Ratio	Lower	Upper
93	100		
66	31.8	25.4	38.2
65	14.3	11.4	17.2



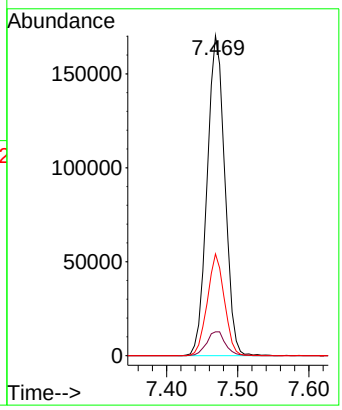


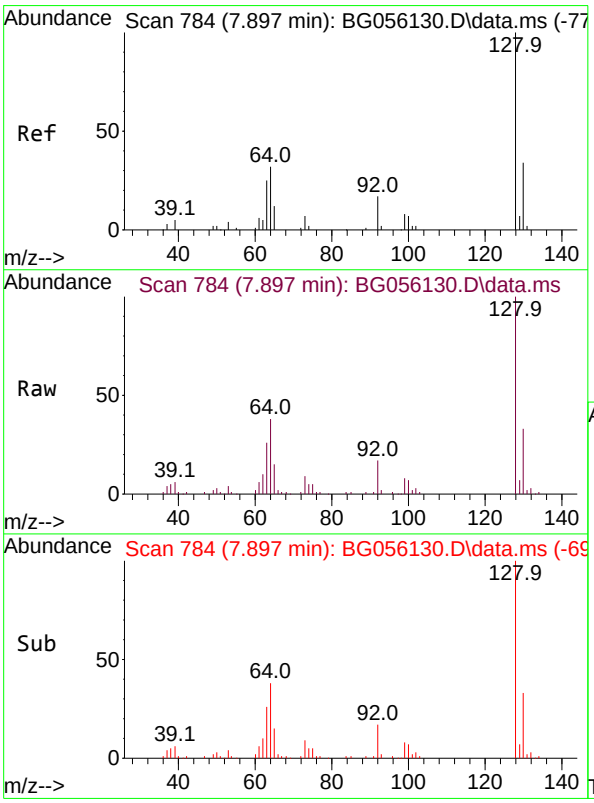
#7
Phenol-d6
Concen: 130.247 ng
RT: 7.469 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 293933

Ion	Ratio	Lower	Upper
99	100		
42	7.4	5.9	8.9
71	31.8	25.4	38.2

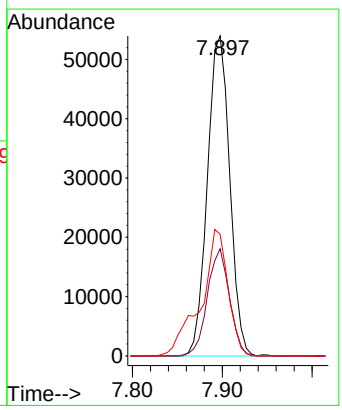


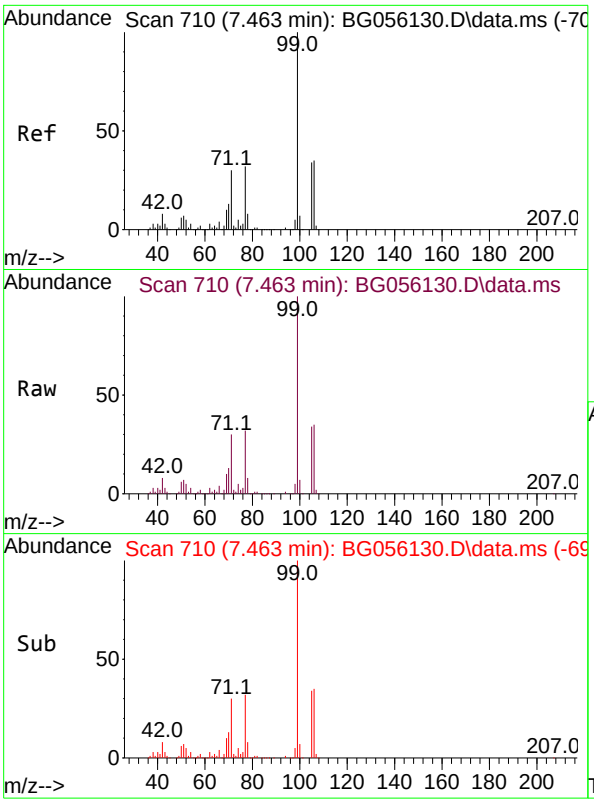


#8
2-Chlorophenol
Concen: 41.344 ng
RT: 7.897 min Scan# 784
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:128 Resp: 93592

Ion	Ratio	Lower	Upper
128	100		
130	33.5	13.5	53.5
64	38.0	18.0	58.0



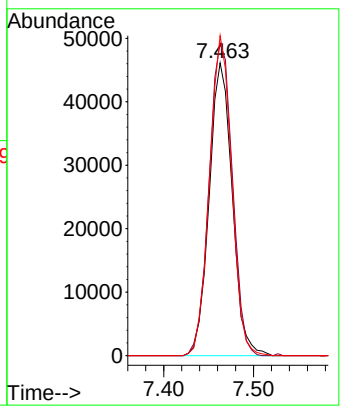


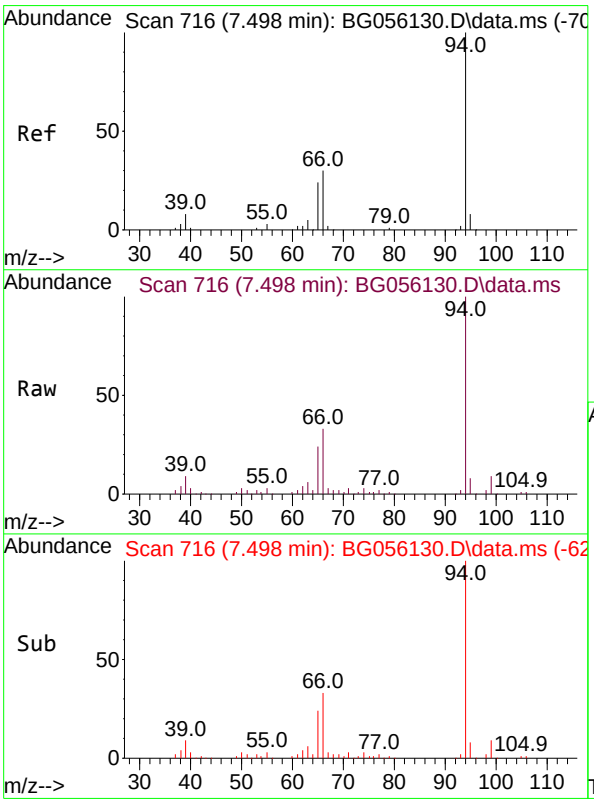
#9
Benzaldehyde
Concen: 58.106 ng
RT: 7.463 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 82353

Ion	Ratio	Lower	Upper
77	100		
105	106.8	86.8	126.8
106	109.3	89.3	129.3

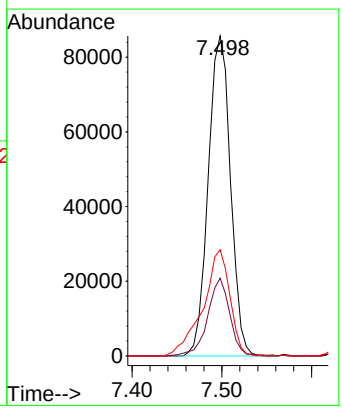


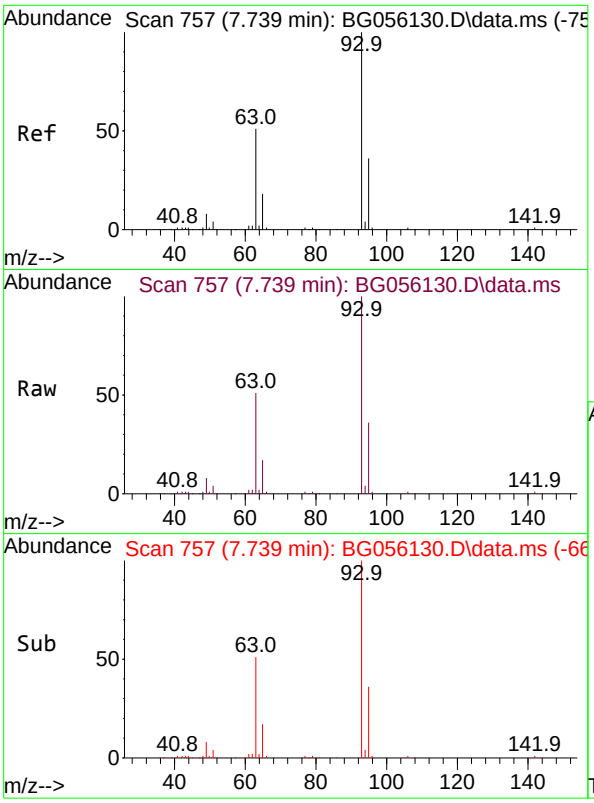


#10
Phenol
Concen: 59.836 ng
RT: 7.498 min Scan# 716
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion: 94 Resp: 147789

Ion	Ratio	Lower	Upper
94	100		
65	24.3	4.3	44.3
66	33.2	13.2	53.2



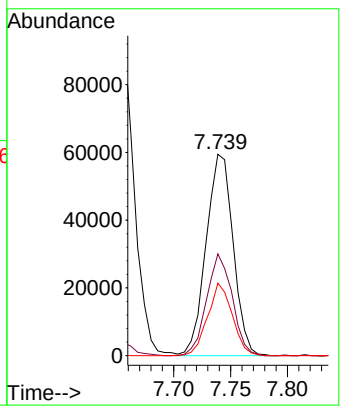


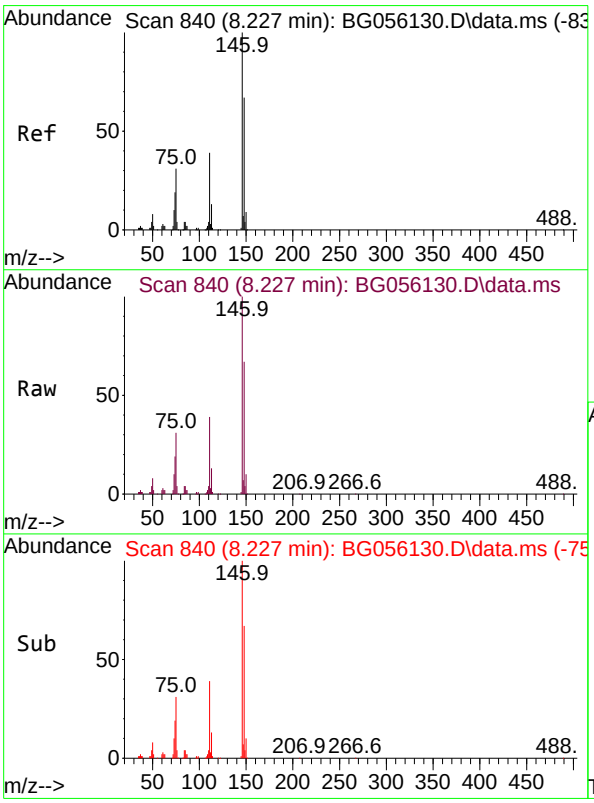
#11
bis(2-Chloroethyl)ether
Concen: 61.129 ng
RT: 7.739 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 98345

Ion	Ratio	Lower	Upper
93	100		
63	50.5	30.5	70.5
95	35.9	15.9	55.9

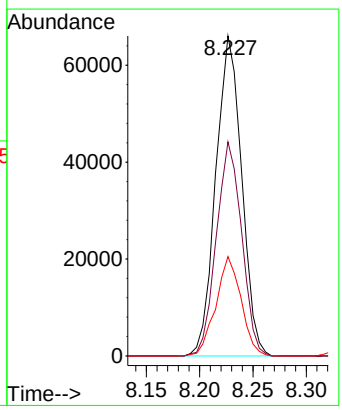


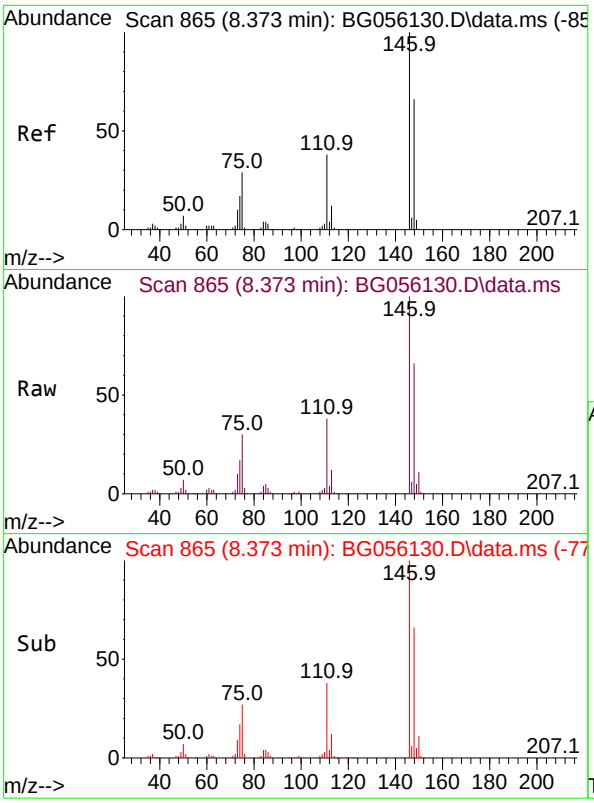


#12
1,3-Dichlorobenzene
Concen: 38.087 ng
RT: 8.227 min Scan# 840
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:146 Resp: 111532

Ion	Ratio	Lower	Upper
146	100		
148	66.9	53.5	80.3
75	31.0	24.8	37.2



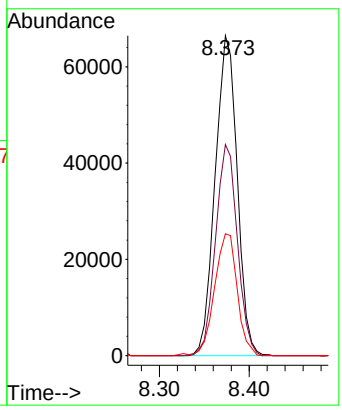


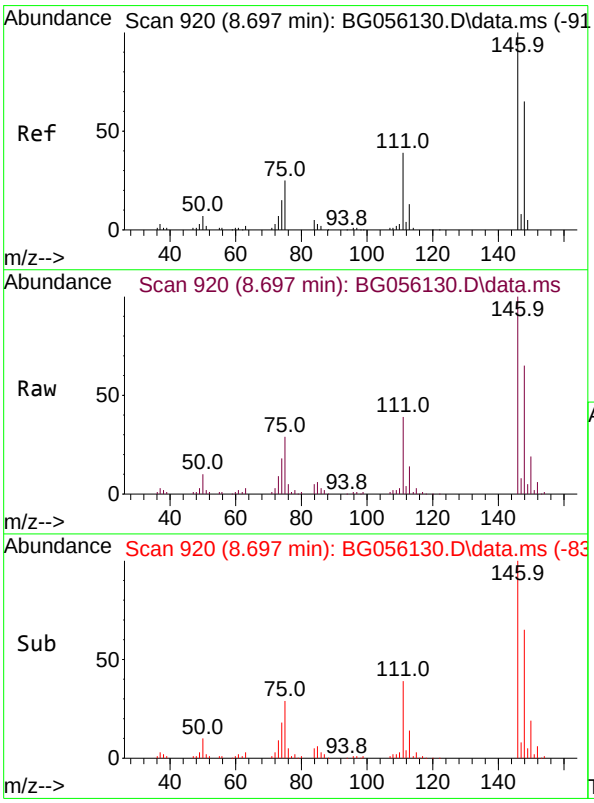
#13
1,4-Dichlorobenzene
Concen: 38.032 ng
RT: 8.373 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 113818

Ion	Ratio	Lower	Upper
146	100		
148	66.0	52.8	79.2
111	38.1	30.5	45.7

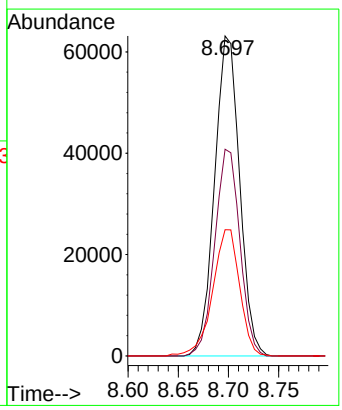


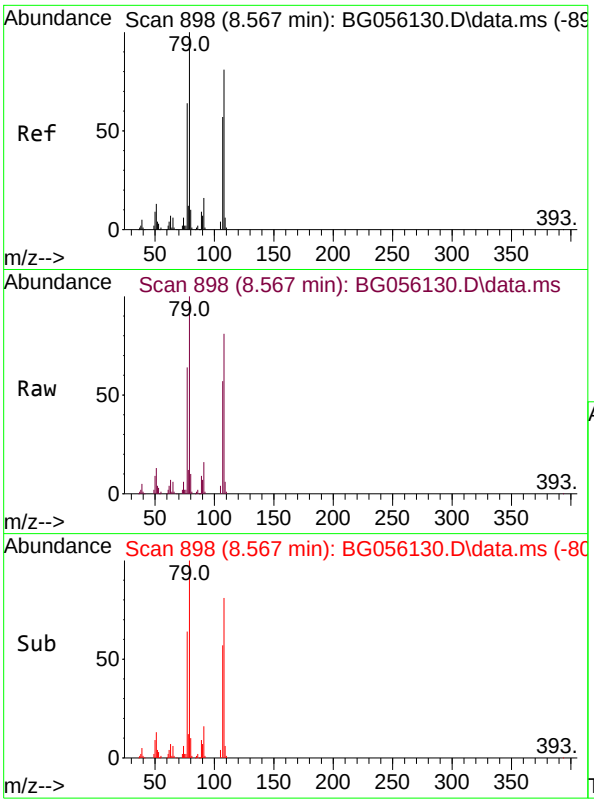


#14
1,2-Dichlorobenzene
Concen: 38.341 ng
RT: 8.697 min Scan# 920
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:146 Resp: 109658

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.7	77.5
111	39.4	31.5	47.3



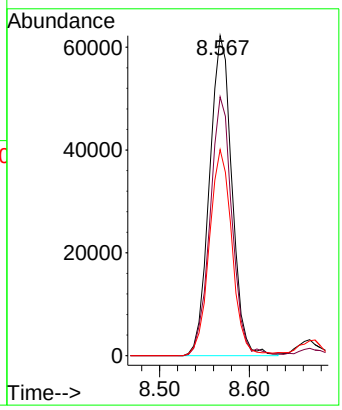


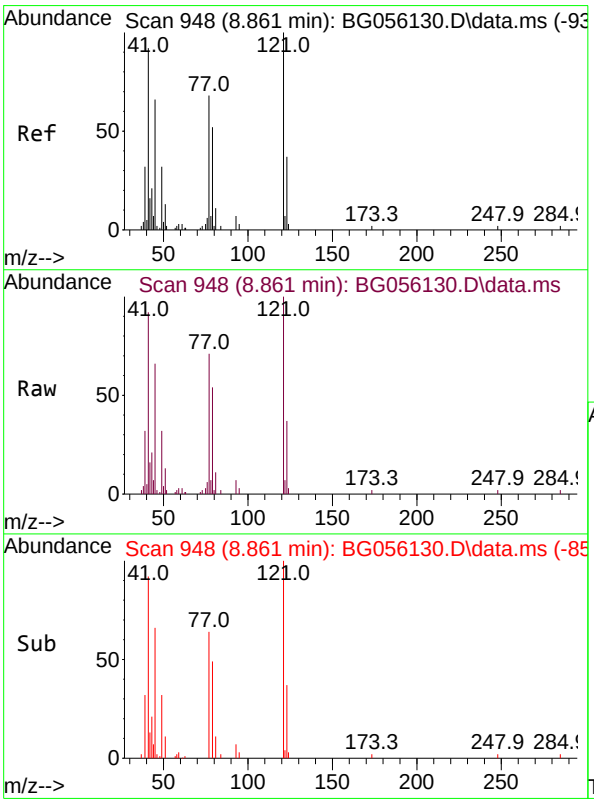
#15
Benzyl Alcohol
Concen: 46.155 ng
RT: 8.567 min Scan# 89
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 108231

Ion	Ratio	Lower	Upper
79	100		
108	80.9	64.7	97.1
77	64.4	51.5	77.3

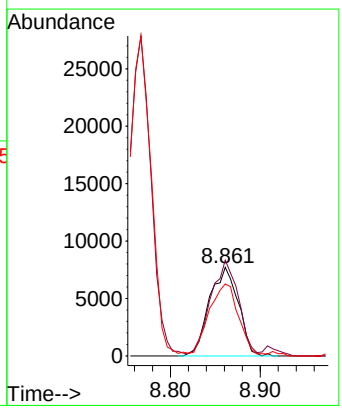


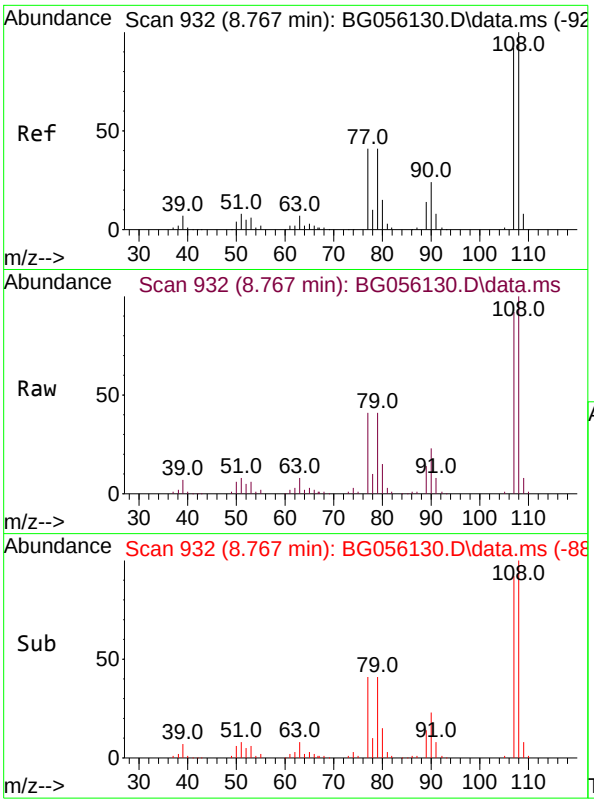


#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.269 ng
RT: 8.861 min Scan# 948
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion: 45 Resp: 17314

Ion	Ratio	Lower	Upper
45	100		
77	108.2	88.2	128.2
79	81.2	61.2	101.2



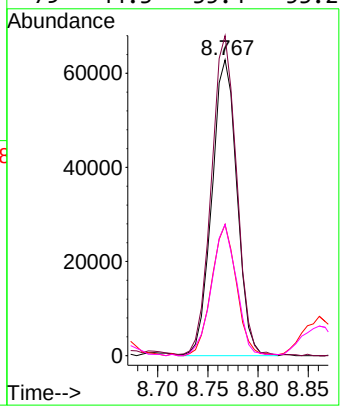


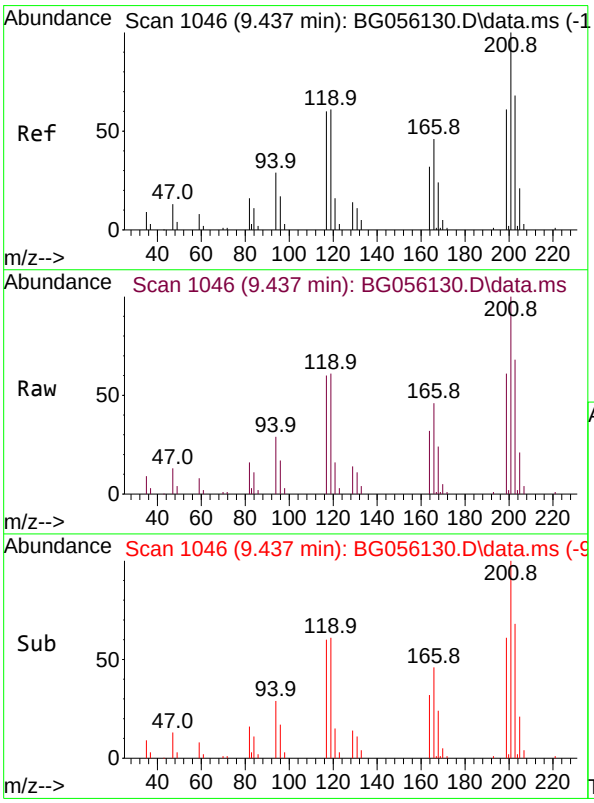
#17
2-Methylphenol
Concen: 56.306 ng
RT: 8.767 min Scan# 9
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 109419

Ion	Ratio	Lower	Upper
107	100		
108	108.2	86.6	129.8
77	44.3	35.4	53.2
79	44.3	35.4	53.2

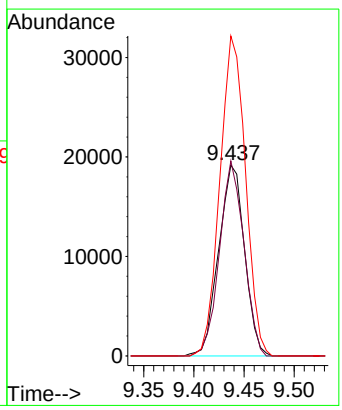


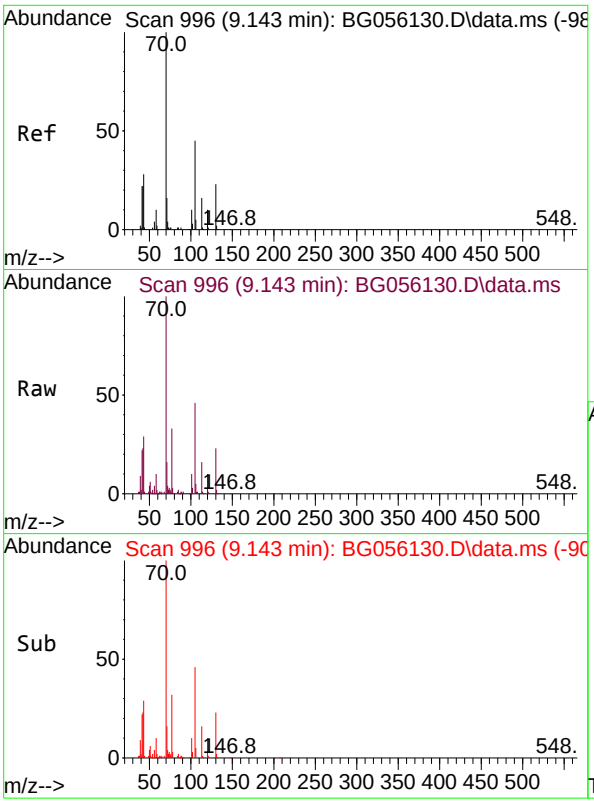


#18
Hexachloroethane
Concen: 37.852 ng
RT: 9.437 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:117 Resp: 34386

Ion	Ratio	Lower	Upper
117	100		
119	102.2	81.8	122.6
201	167.7	134.2	201.2



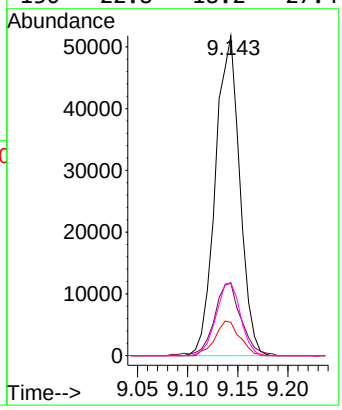


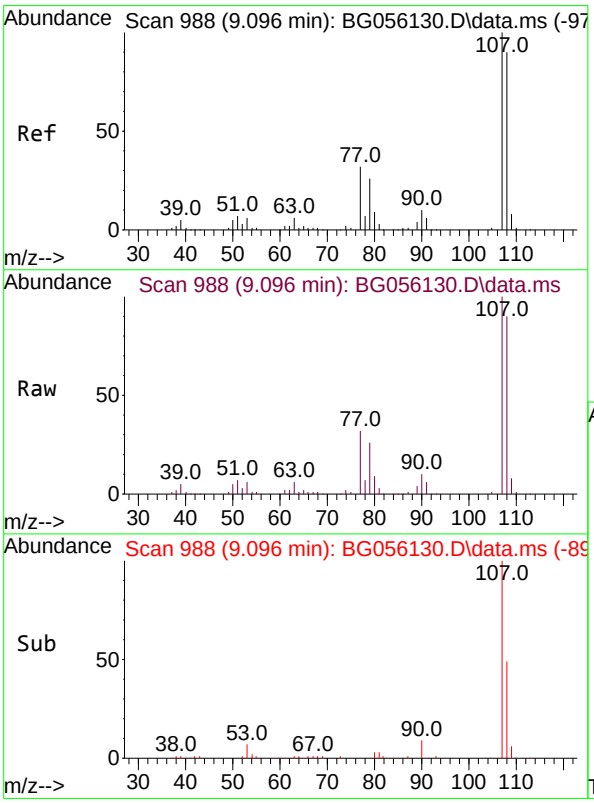
#19
n-Nitroso-di-n-propylamine
Concen: 53.927 ng
RT: 9.143 min Scan# 99
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 87233

Ion	Ratio	Lower	Upper
70	100		
42	22.7	18.2	27.2
101	10.4	8.3	12.5
130	22.8	18.2	27.4

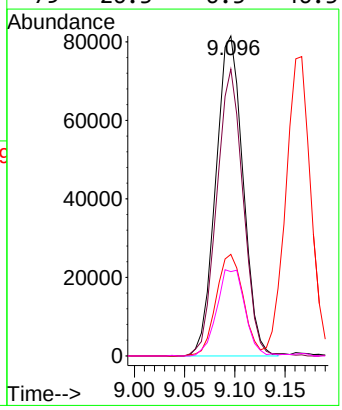


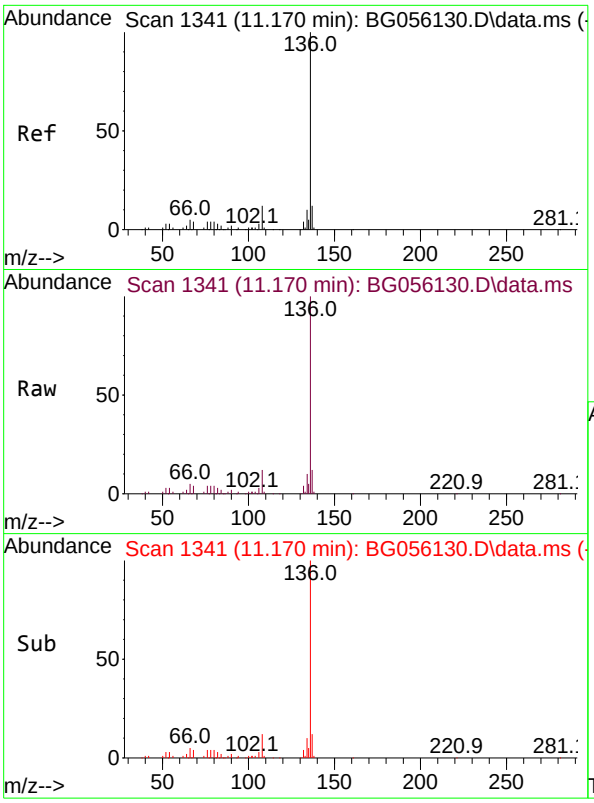


#20
3+4-Methylphenols
Concen: 55.556 ng
RT: 9.096 min Scan# 988
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:107 Resp: 154066

Ion	Ratio	Lower	Upper
107	100		
108	89.6	69.6	109.6
77	31.7	11.7	51.7
79	26.3	6.3	46.3



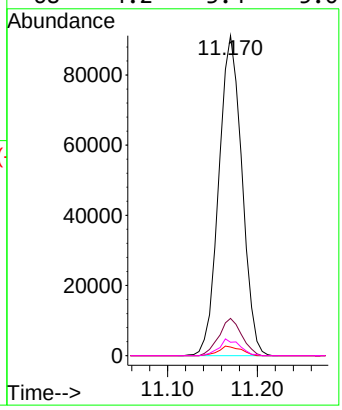


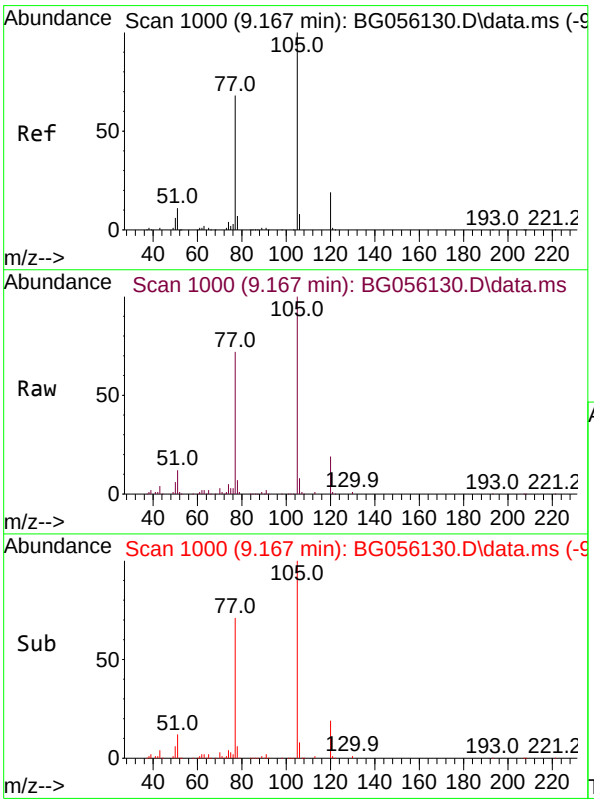
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 163717

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.0
54	2.7	2.2	3.2
68	4.2	3.4	5.0

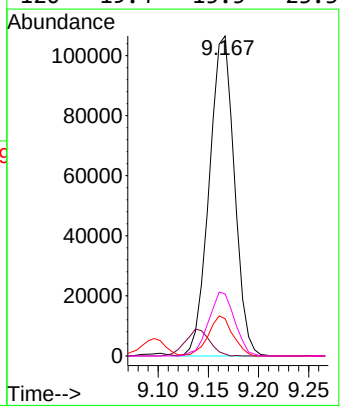


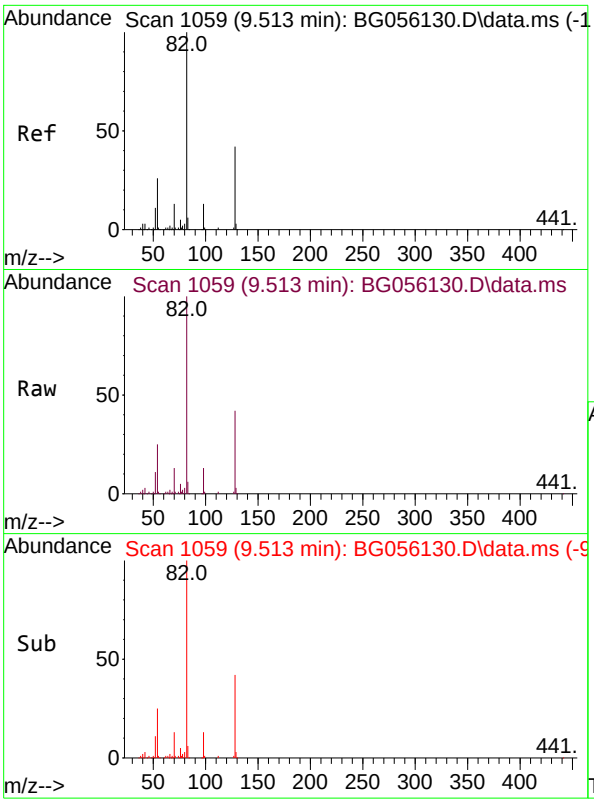


#22
Acetophenone
Concen: 45.775 ng
RT: 9.167 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:105 Resp: 185776

Ion	Ratio	Lower	Upper
105	100		
71	0.6	0.5	0.7
51	11.6	9.3	13.9
120	19.4	15.5	23.3



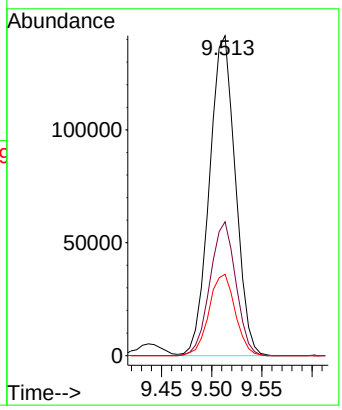


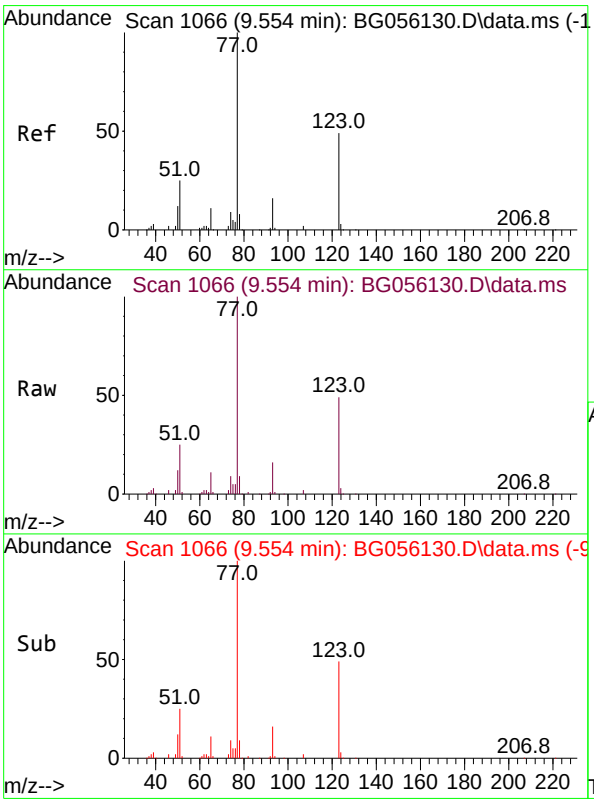
#23
Nitrobenzene-d5
Concen: 108.842 ng
RT: 9.513 min Scan# 10
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 254990

Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.4	50.2
54	25.4	20.3	30.5

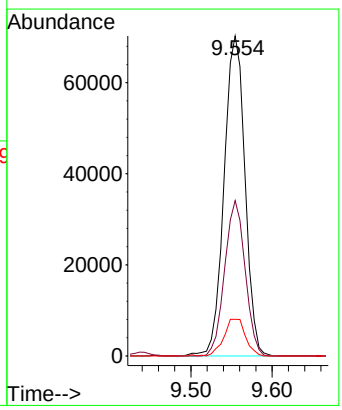


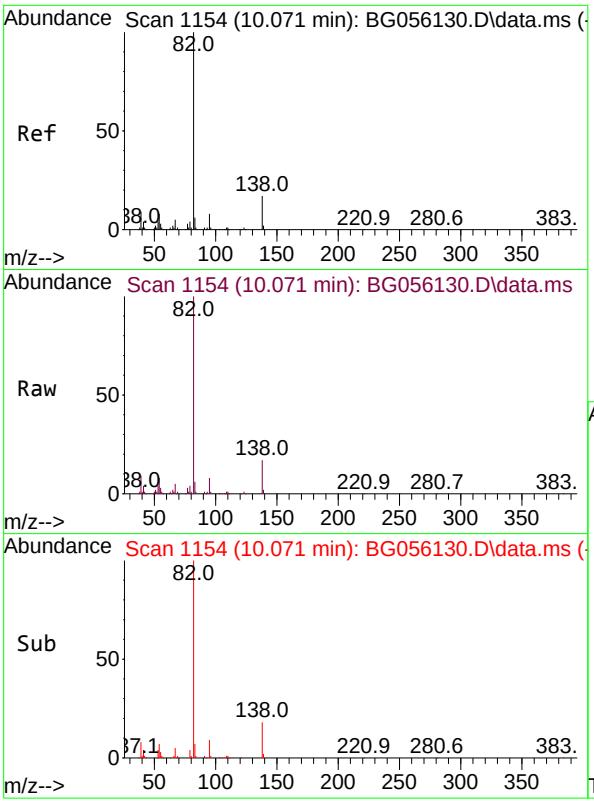


#24
Nitrobenzene
Concen: 53.234 ng
RT: 9.554 min Scan# 1066
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion: 77 Resp: 125533

Ion	Ratio	Lower	Upper
77	100		
123	48.5	38.8	58.2
65	11.4	9.1	13.7



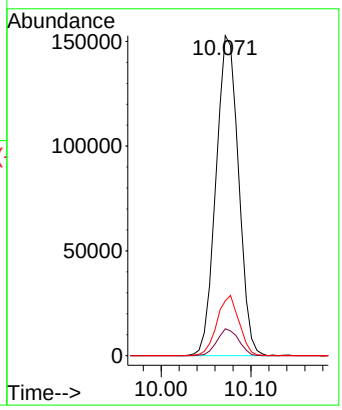


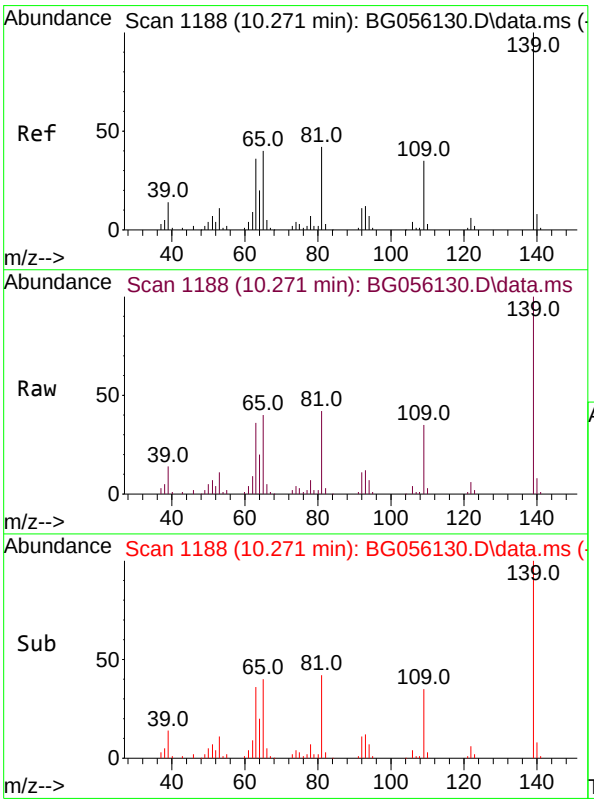
#25
Isophorone
Concen: 54.559 ng
RT: 10.071 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 268024

Ion	Ratio	Lower	Upper
82	100		
95	8.4	6.7	10.1
138	17.1	13.7	20.5

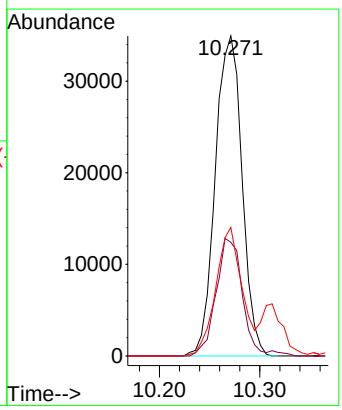


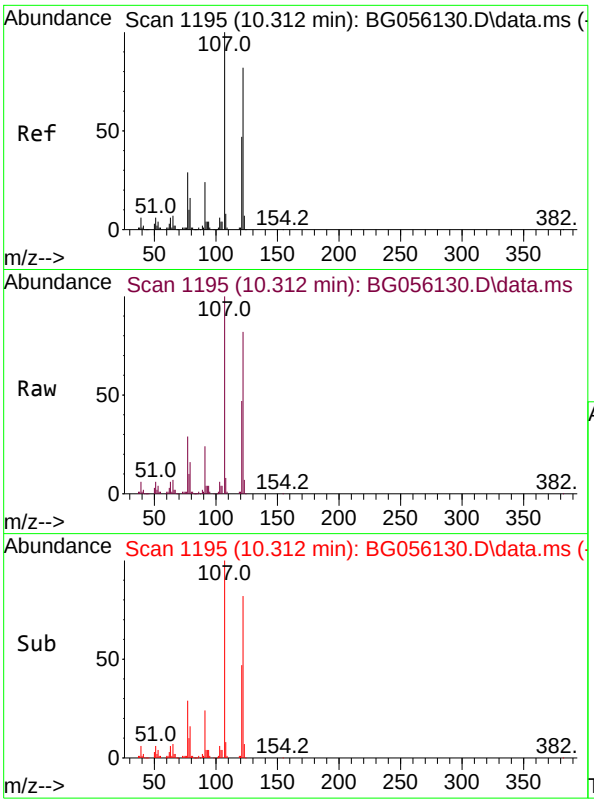


#26
2-Nitrophenol
Concen: 46.342 ng
RT: 10.271 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:139 Resp: 64692

Ion	Ratio	Lower	Upper
139	100		
109	35.5	28.4	42.6
65	40.1	32.1	48.1



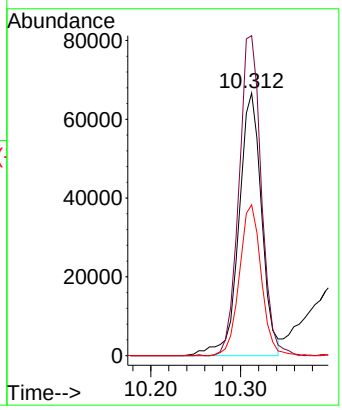


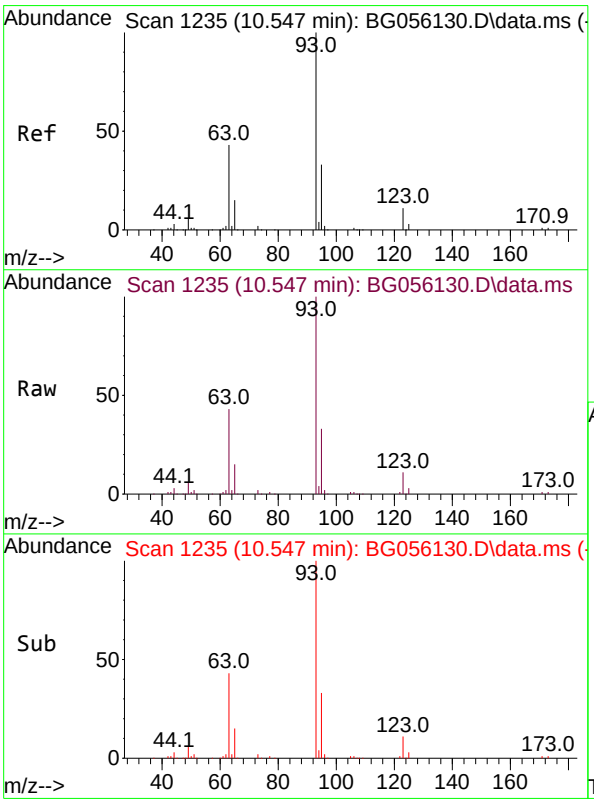
#27
2,4-Dimethylphenol
Concen: 50.135 ng
RT: 10.312 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 117539

Ion	Ratio	Lower	Upper
122	100		
107	121.9	97.5	146.3
121	57.4	45.9	68.9

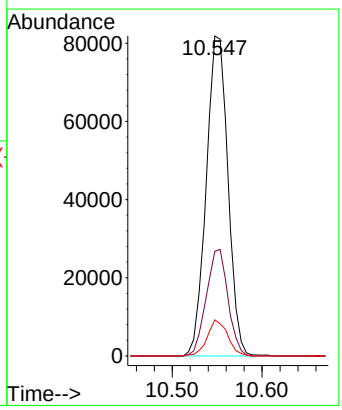


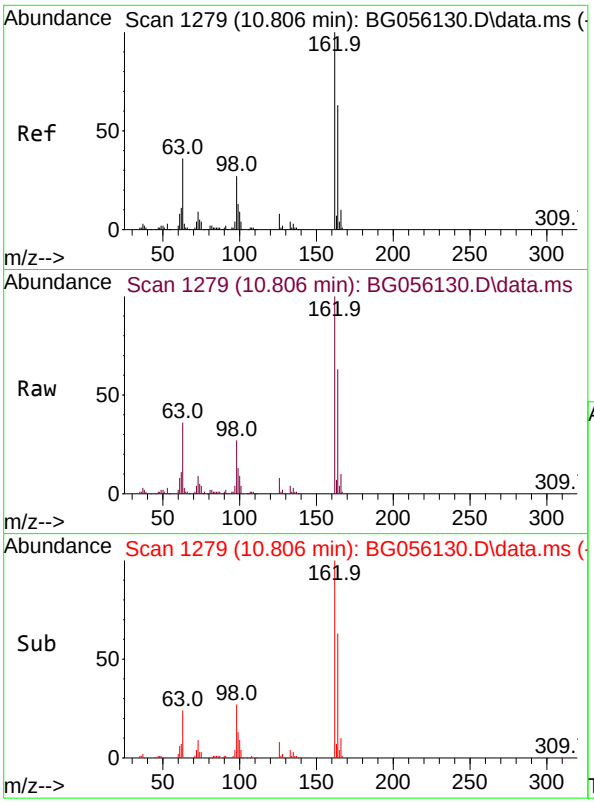


#28
bis(2-Chloroethoxy)methane
Concen: 63.387 ng
RT: 10.547 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion: 93 Resp: 137624

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	11.3	9.0	13.6



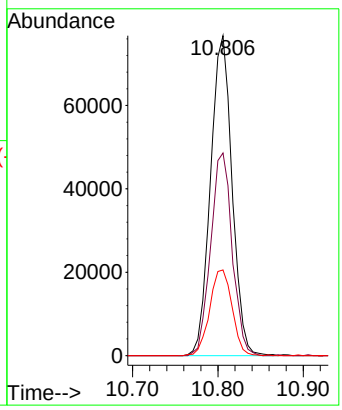


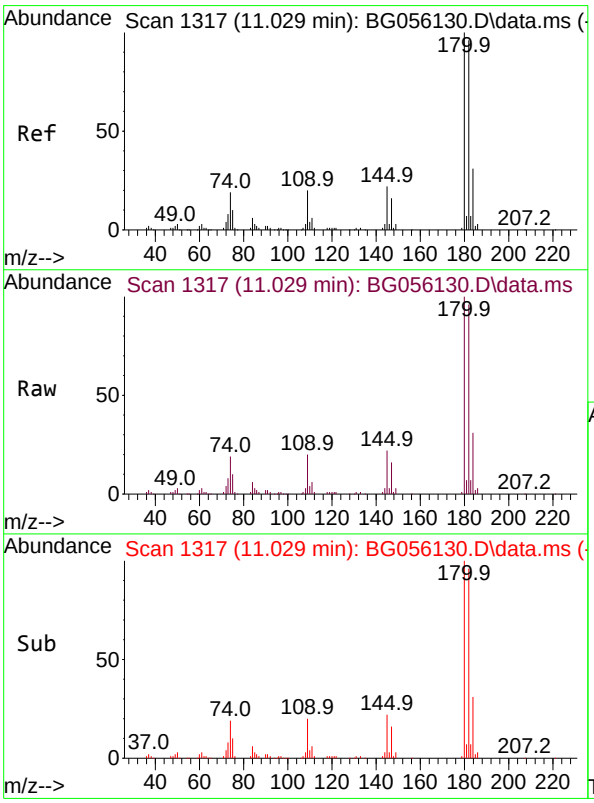
#29
2,4-Dichlorophenol
Concen: 40.449 ng
RT: 10.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 134596

Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.3	83.3
98	26.8	6.8	46.8

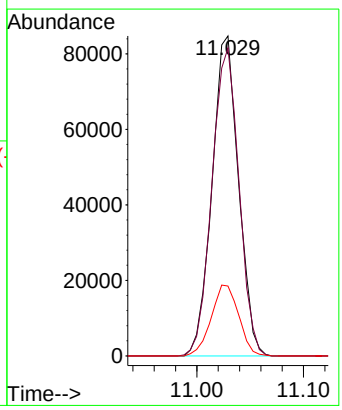


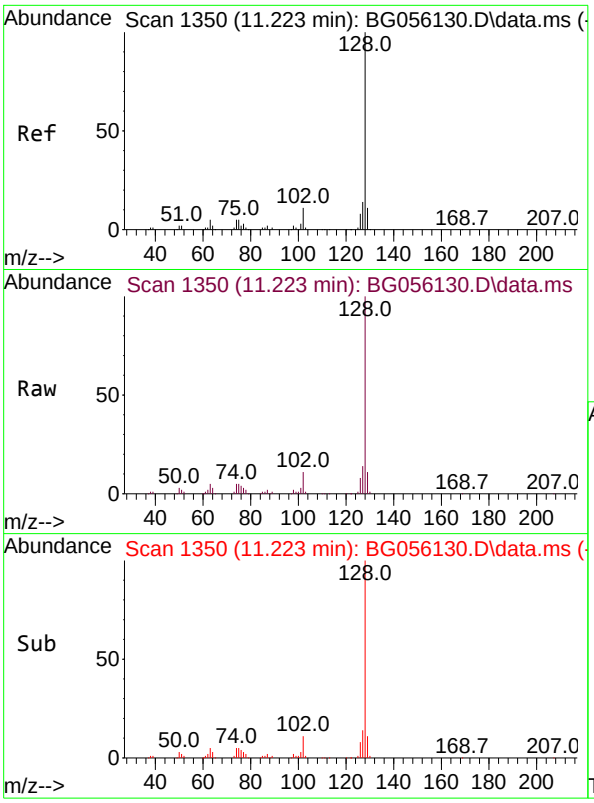


#30
1,2,4-Trichlorobenzene
Concen: 33.921 ng
RT: 11.029 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:180 Resp: 146732

Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
145	21.8	17.4	26.2



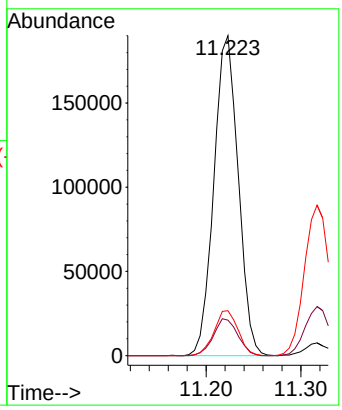


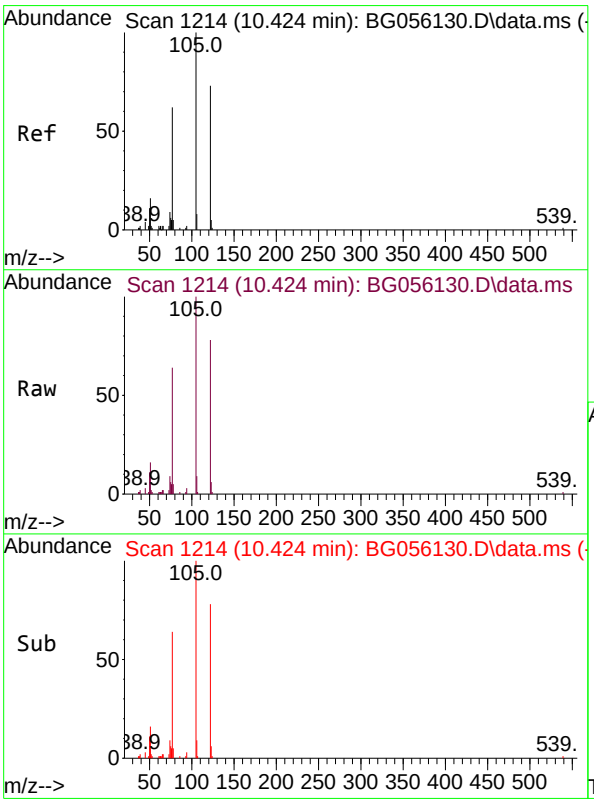
#31
Naphthalene
Concen: 39.257 ng
RT: 11.223 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 339119

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	14.0	11.2	16.8

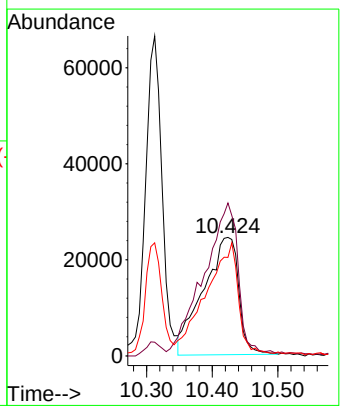


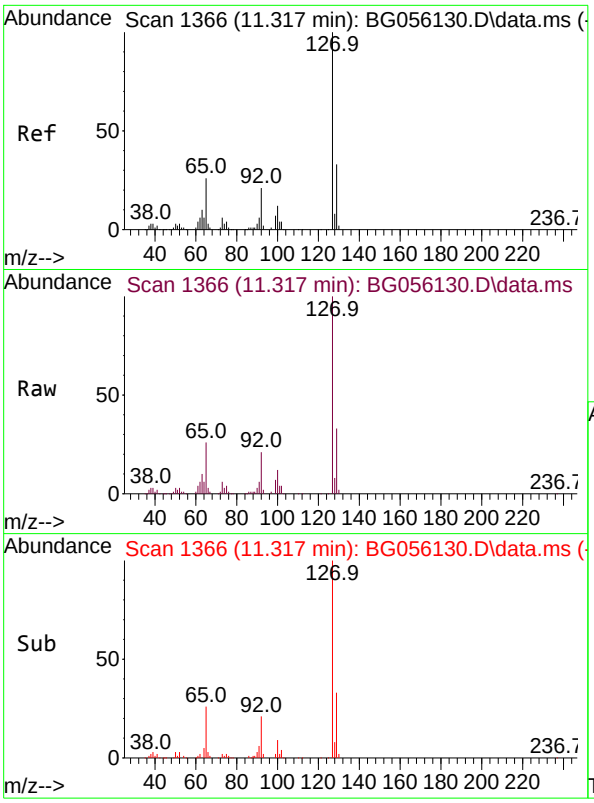


#32
Benzoic acid
Concen: 50.467 ng
RT: 10.424 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:122 Resp: 91272

Ion	Ratio	Lower	Upper
122	100		
105	129.0	109.0	149.0
77	83.1	63.1	103.1



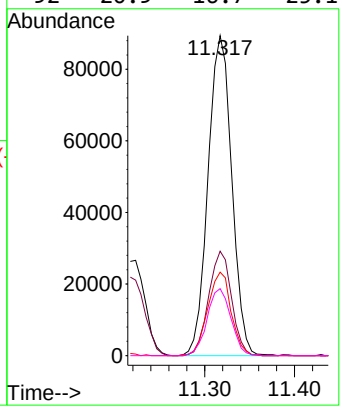


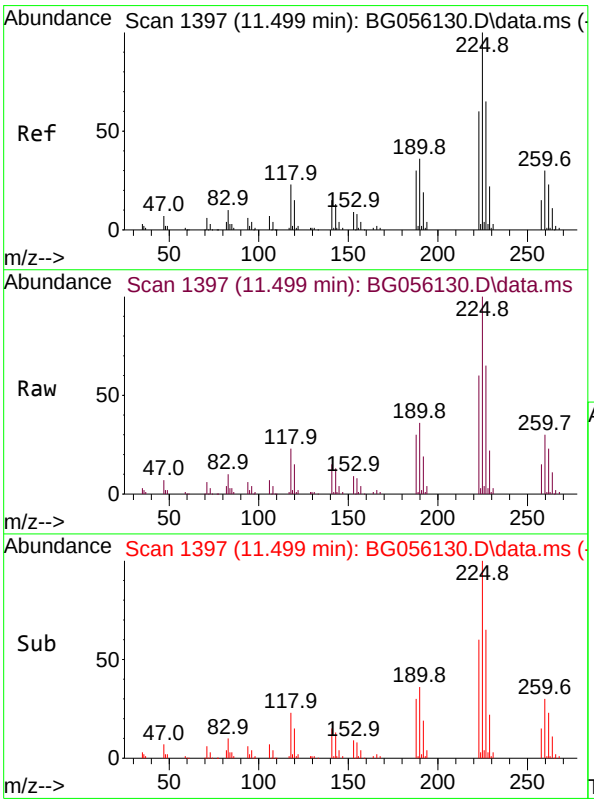
#33
4-Chloroaniline
Concen: 44.376 ng
RT: 11.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 164336

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	26.1	20.9	31.3
92	20.9	16.7	25.1

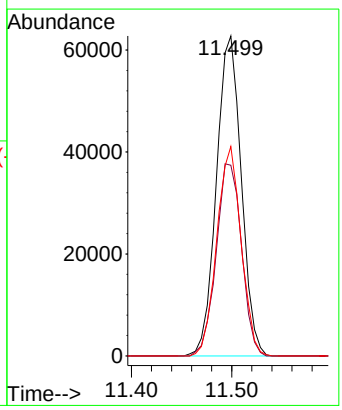


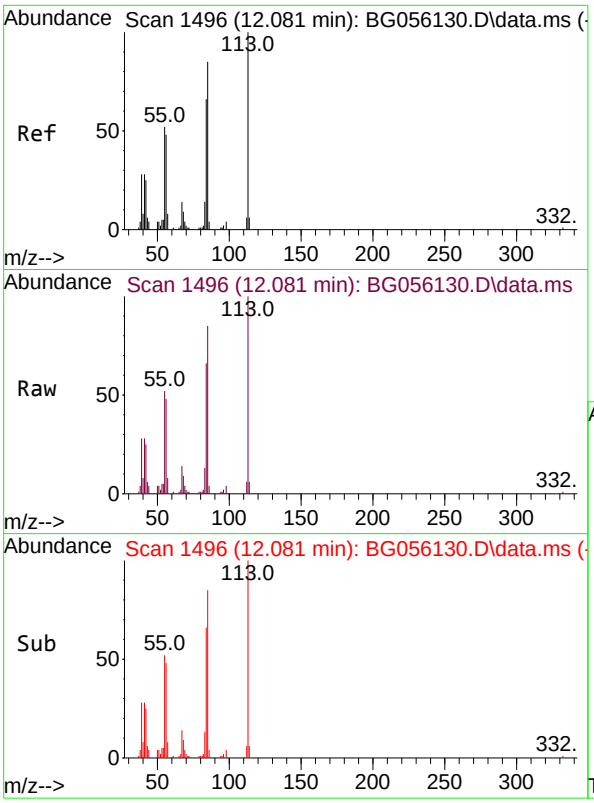


#34
Hexachlorobutadiene
Concen: 26.557 ng
RT: 11.499 min Scan# 1397
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:225 Resp: 108000

Ion	Ratio	Lower	Upper
225	100		
223	59.6	47.7	71.5
227	65.4	52.3	78.5



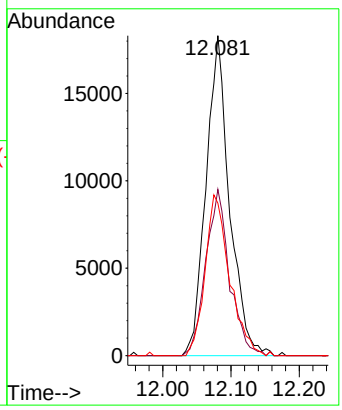


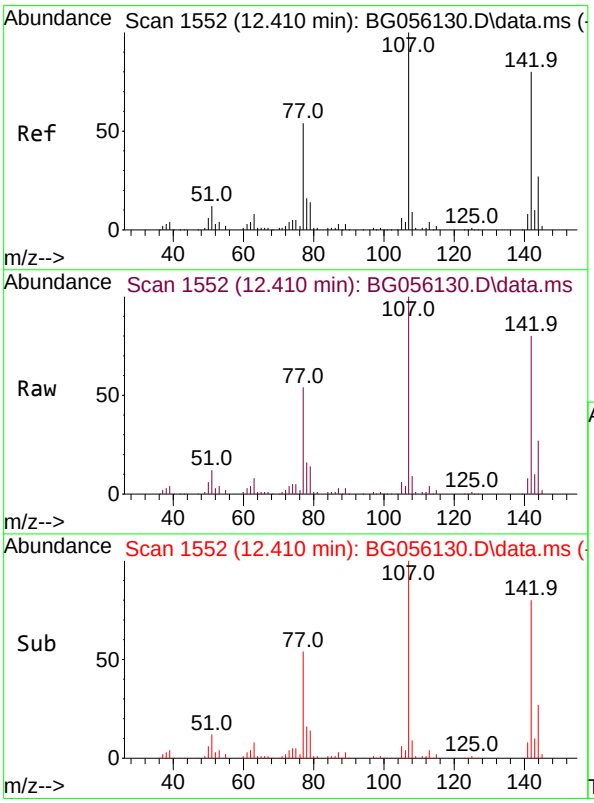
#35
Caprolactam
Concen: 47.243 ng
RT: 12.081 min Scan# 14
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 43800

Ion	Ratio	Lower	Upper
113	100		
55	51.9	31.9	71.9
56	47.6	27.6	67.6

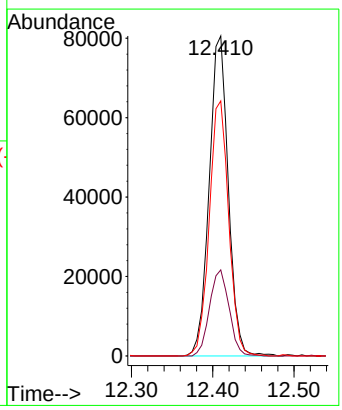


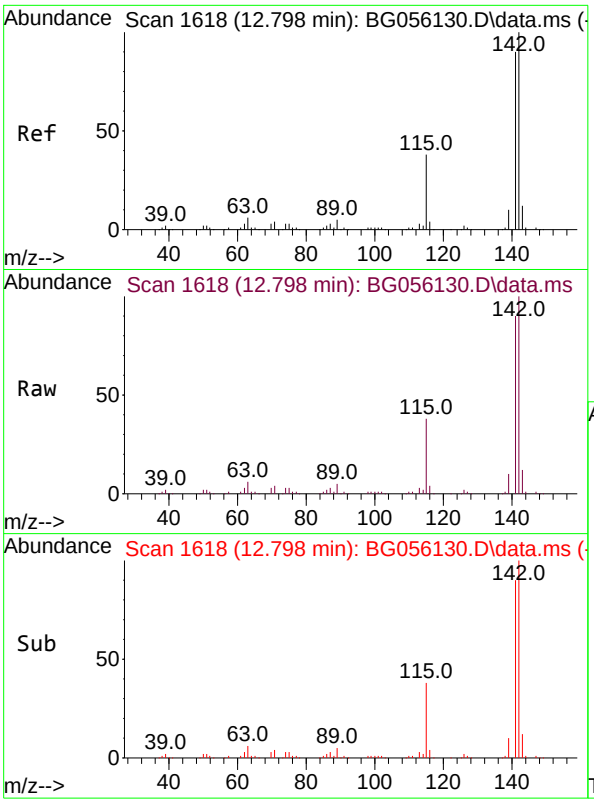


#36
4-Chloro-3-methylphenol
Concen: 42.191 ng
RT: 12.410 min Scan# 1552
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:107 Resp: 131645

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.5	32.3
142	79.7	63.8	95.6



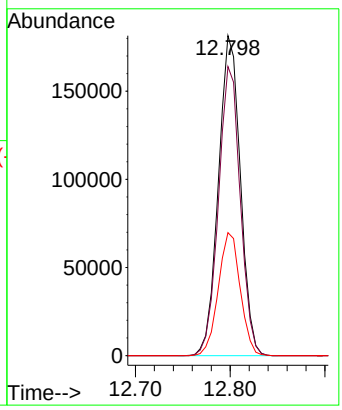


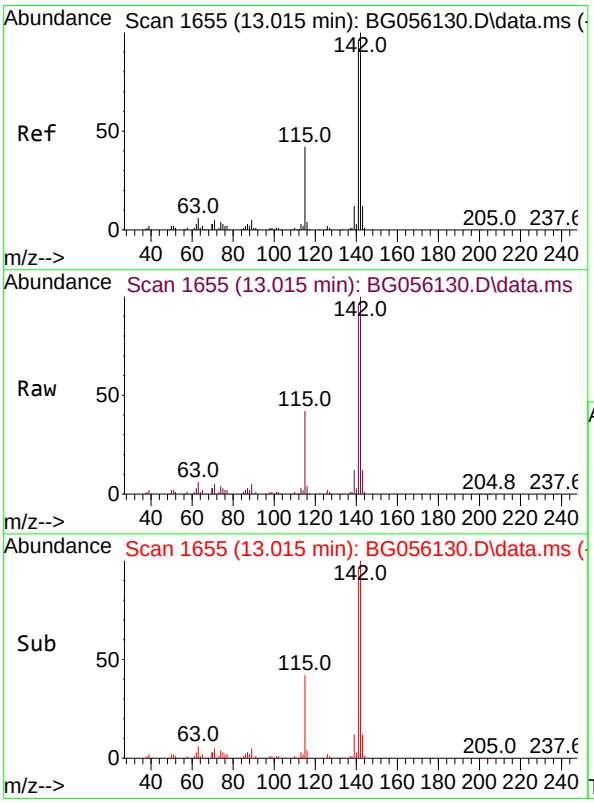
#37
2-Methylnaphthalene
Concen: 38.205 ng
RT: 12.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 291579

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.4
115	38.4	30.7	46.1

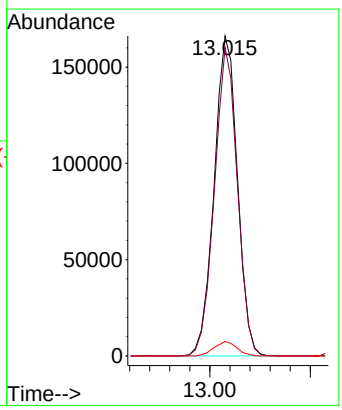


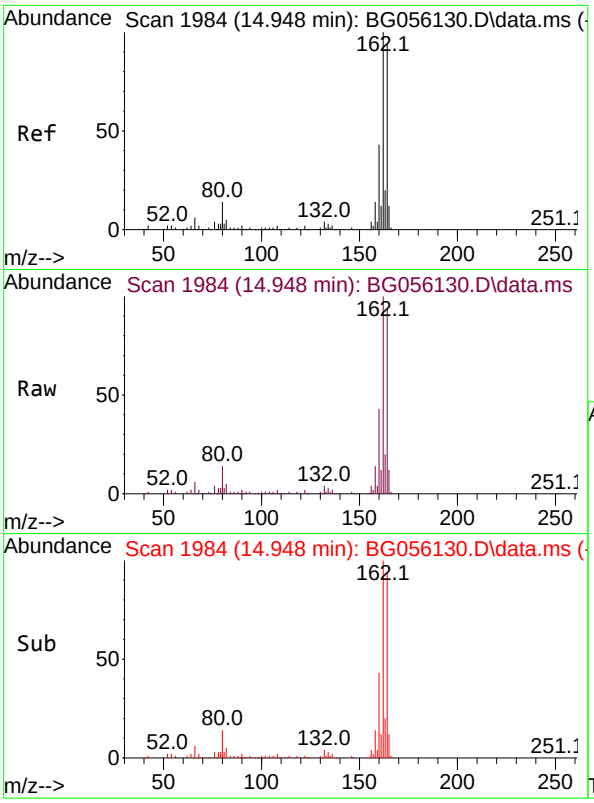


#38
1-Methylnaphthalene
Concen: 35.966 ng
RT: 13.015 min Scan# 1655
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:142 Resp: 267410

Ion	Ratio	Lower	Upper
142	100		
141	96.3	77.0	115.6
116	4.5	3.6	5.4



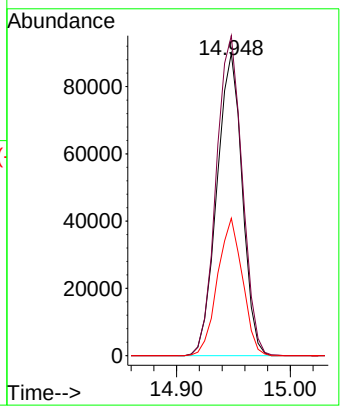


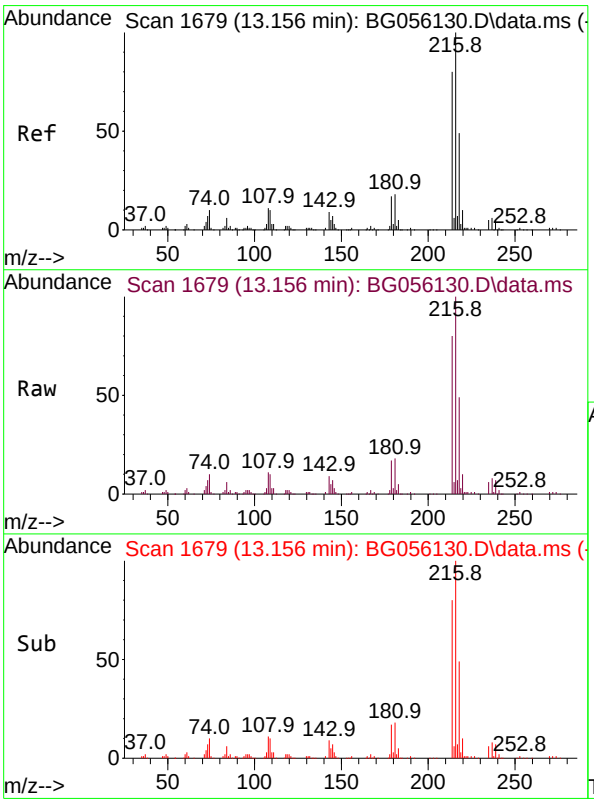
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.948 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 138977

Ion	Ratio	Lower	Upper
164	100		
162	105.9	84.7	127.1
160	45.4	36.3	54.5

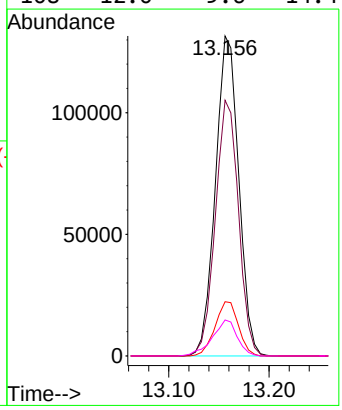


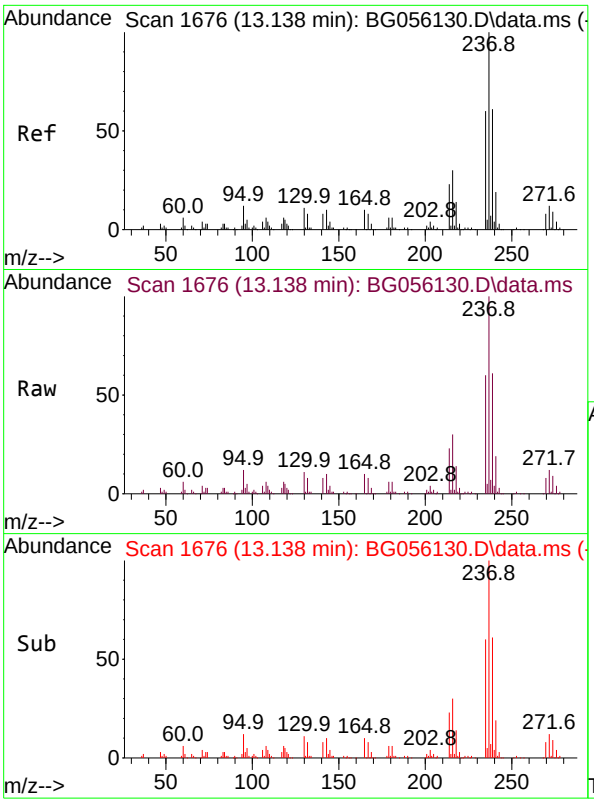


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.241 ng
RT: 13.156 min Scan# 1679
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:216 Resp: 212505

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.4	95.0
179	17.0	13.6	20.4
108	12.0	9.6	14.4



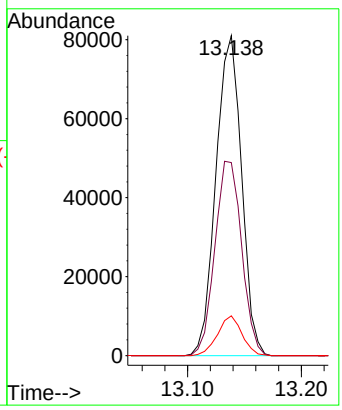


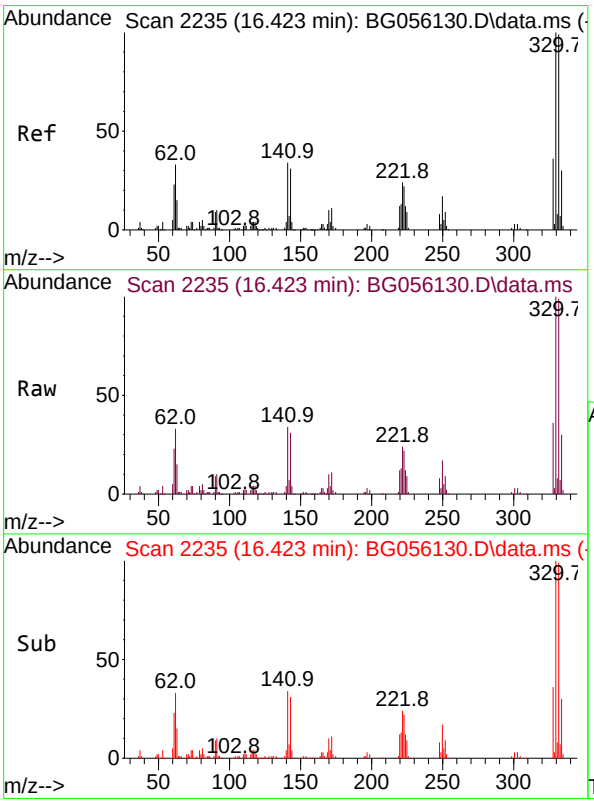
#41
Hexachlorocyclopentadiene
Concen: 38.135 ng
RT: 13.138 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 126856

Ion	Ratio	Lower	Upper
237	100		
235	60.3	40.3	80.3
272	12.5	0.0	32.5

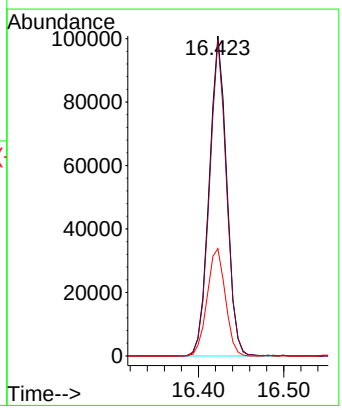


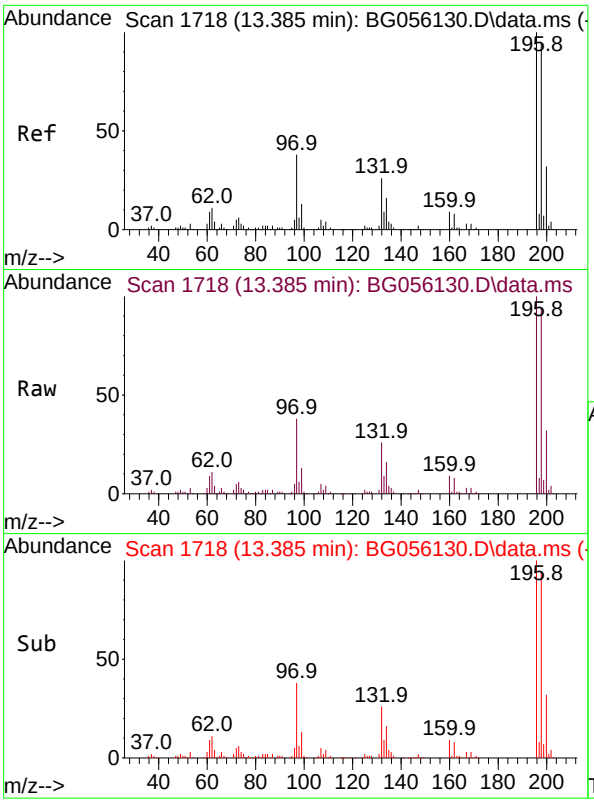


#42
2,4,6-Tribromophenol
Concen: 42.668 ng
RT: 16.423 min Scan# 2235
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:330 Resp: 142987

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	34.9	27.9	41.9



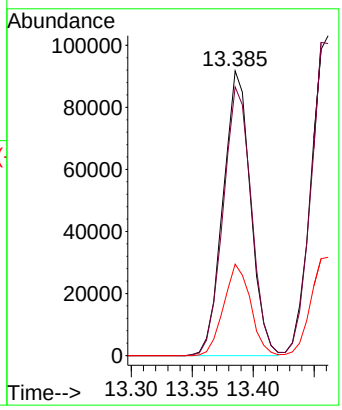


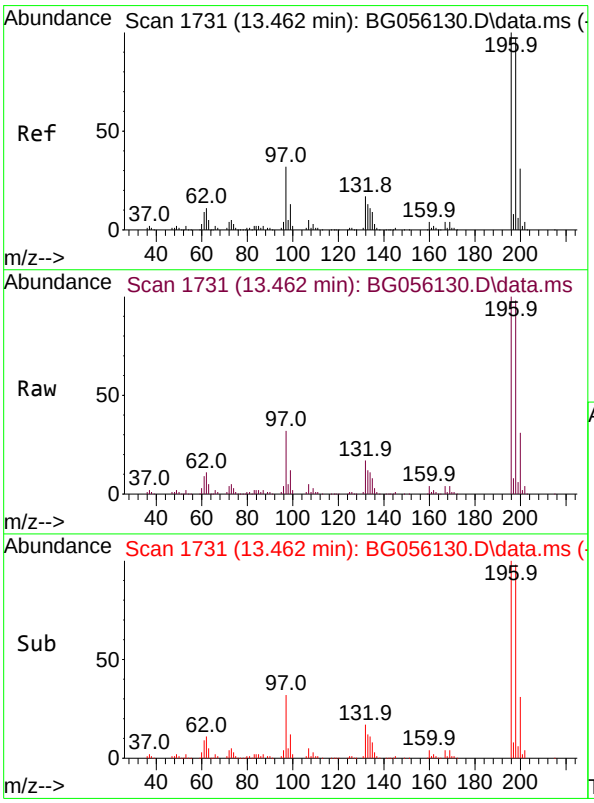
#43
2,4,6-Trichlorophenol
Concen: 41.374 ng
RT: 13.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 143610

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.5	113.3
200	32.1	25.7	38.5

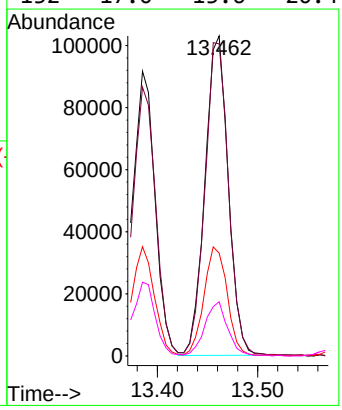


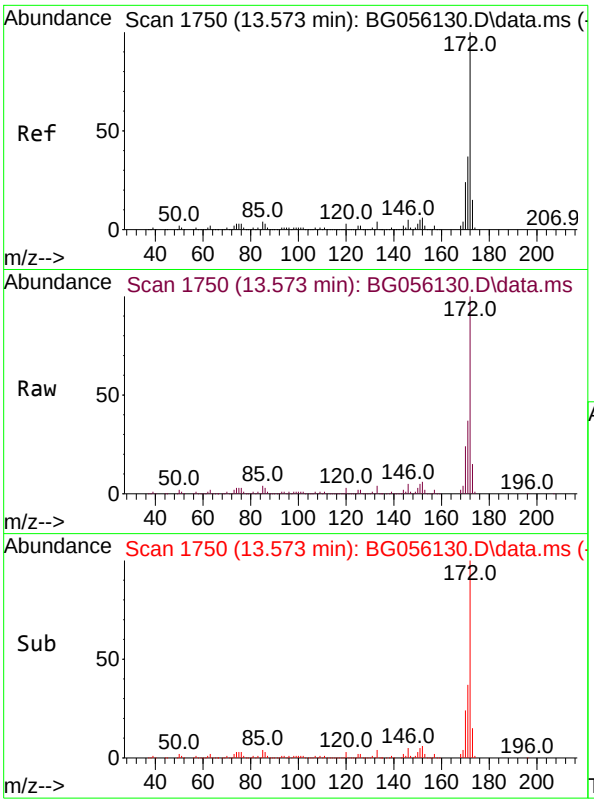


#44
2,4,5-Trichlorophenol
Concen: 42.445 ng
RT: 13.462 min Scan# 1731
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:196 Resp: 166077

Ion	Ratio	Lower	Upper
196	100		
198	97.5	78.0	117.0
97	32.1	25.7	38.5
132	17.0	13.6	20.4



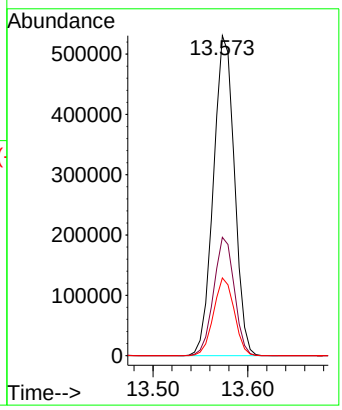


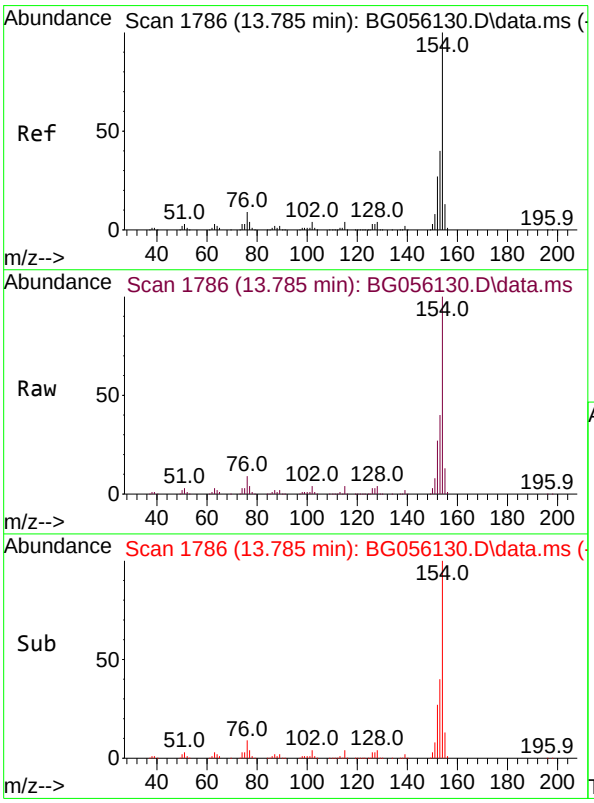
#45
2-Fluorobiphenyl
Concen: 82.432 ng
RT: 13.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 816851

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	24.3	19.4	29.2

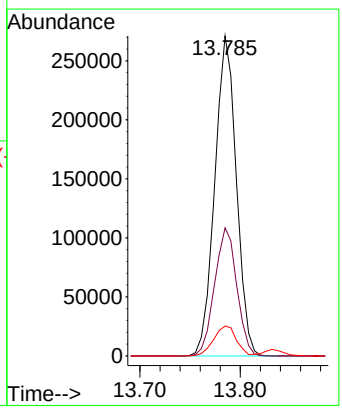


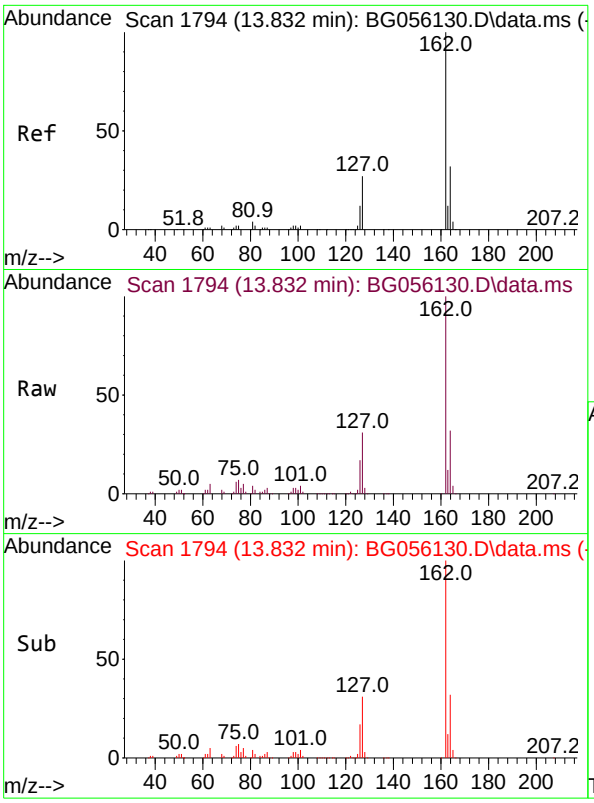


#46
1,1'-Biphenyl
Concen: 43.003 ng
RT: 13.785 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:154 Resp: 405099

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.0	60.0
76	9.3	0.0	29.3



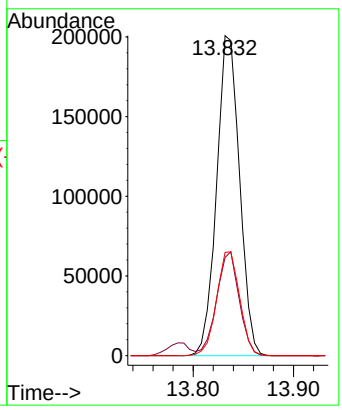


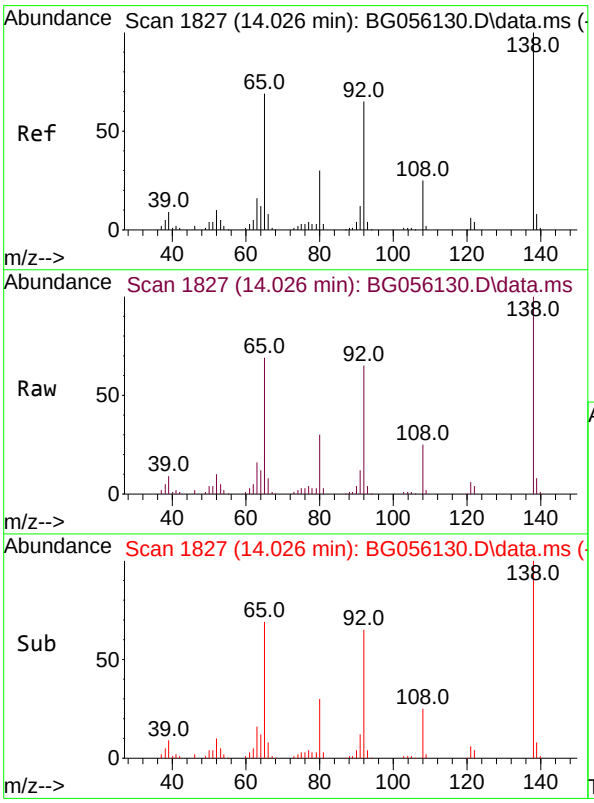
#47
2-Chloronaphthalene
Concen: 41.733 ng
RT: 13.832 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 319435

Ion	Ratio	Lower	Upper
162	100		
127	30.7	24.6	36.8
164	32.3	25.8	38.8

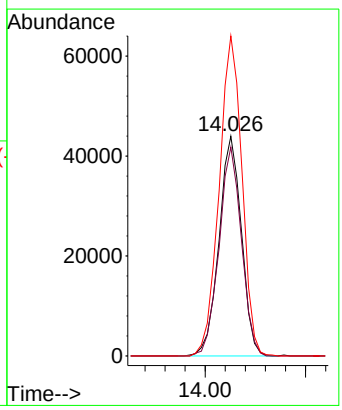


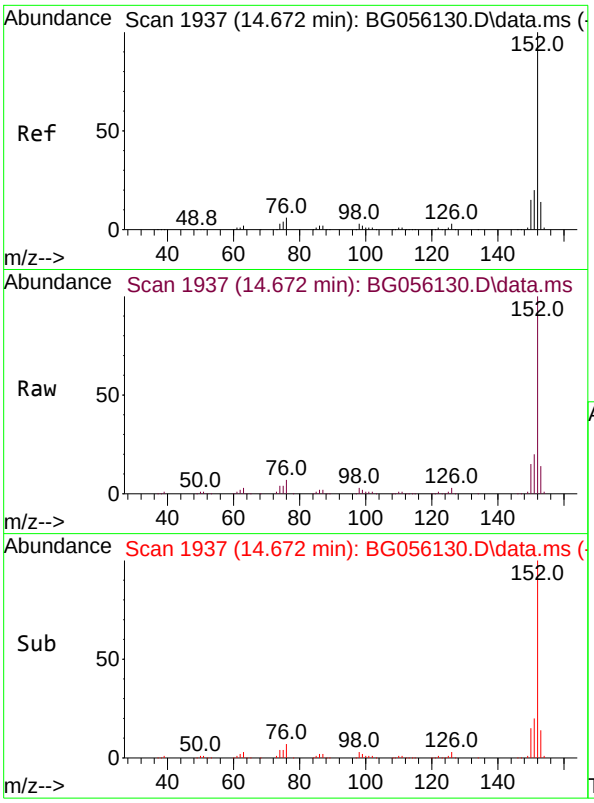


#48
2-Nitroaniline
Concen: 53.318 ng
RT: 14.026 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion: 65 Resp: 68268

Ion	Ratio	Lower	Upper
65	100		
92	95.0	76.0	114.0
138	145.7	116.6	174.8



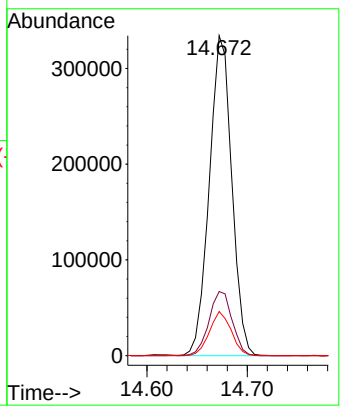


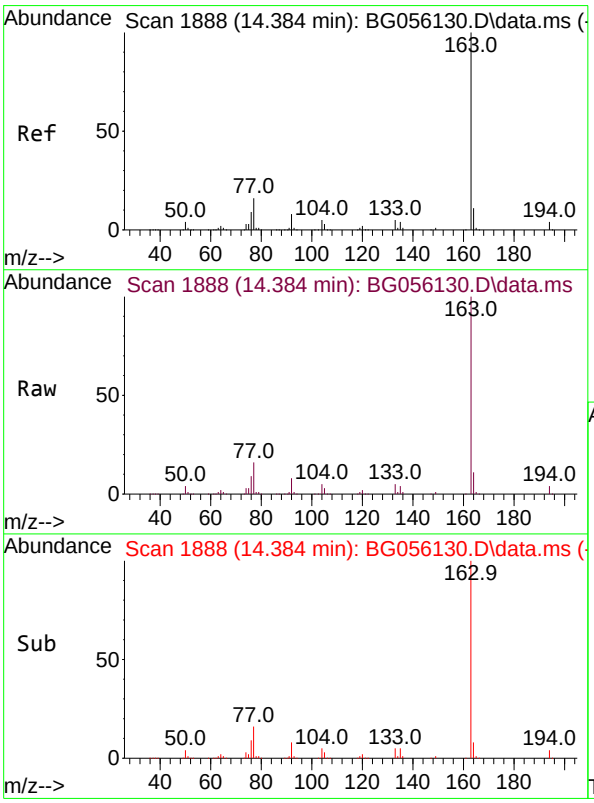
#49
Acenaphthylene
Concen: 42.598 ng
RT: 14.672 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 520448

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.8	11.0	16.6

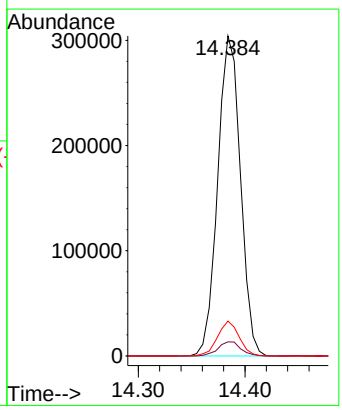


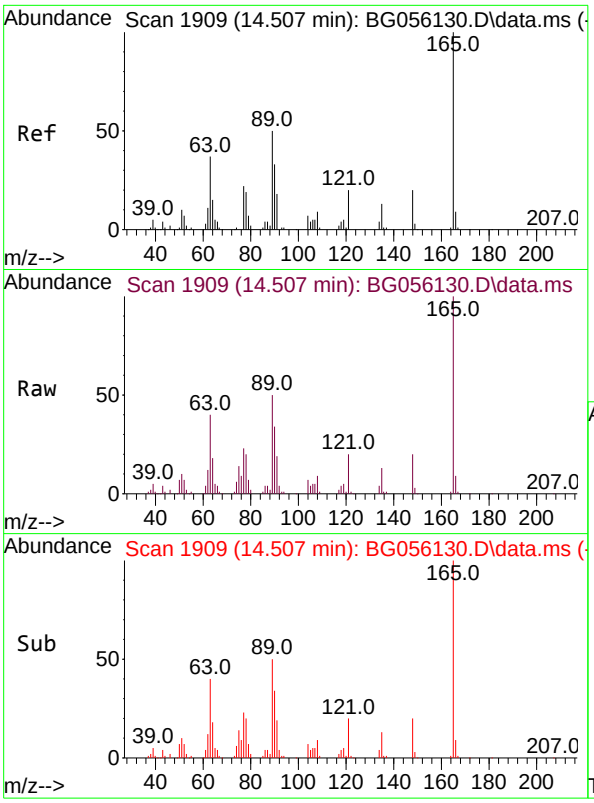


#50
Dimethylphthalate
Concen: 37.579 ng
RT: 14.384 min Scan# 1888
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:163 Resp: 451531

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.9	8.7	13.1



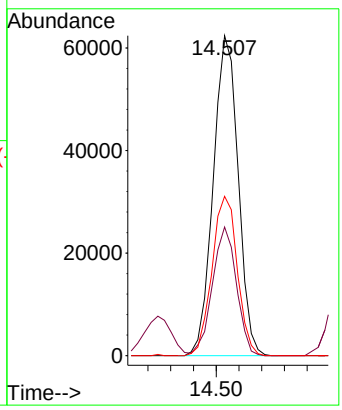


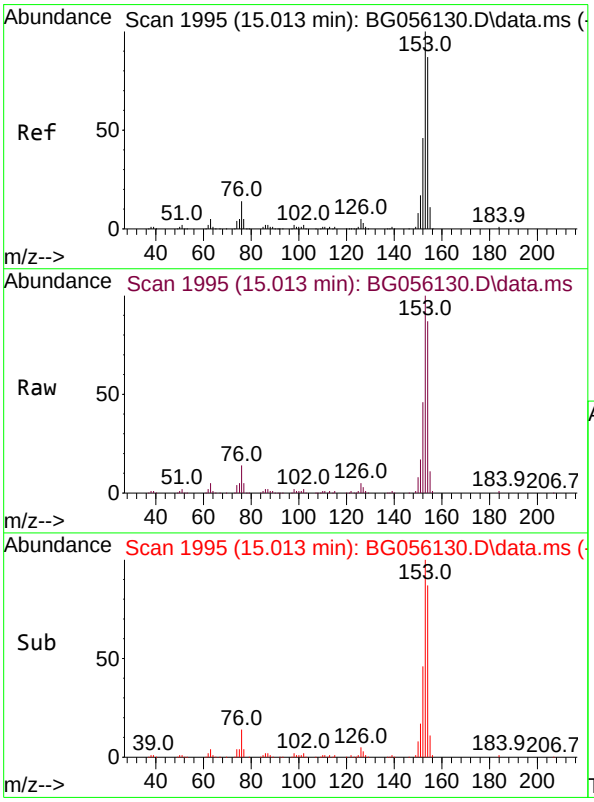
#51
2,6-Dinitrotoluene
Concen: 50.932 ng
RT: 14.507 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 94702

Ion	Ratio	Lower	Upper
165	100		
63	40.2	32.2	48.2
89	49.8	39.8	59.8

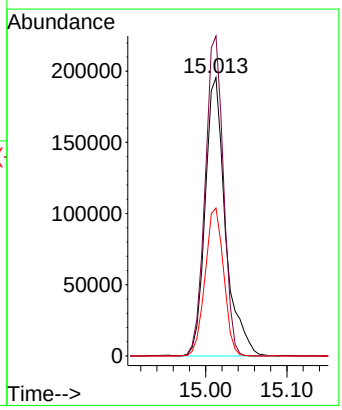


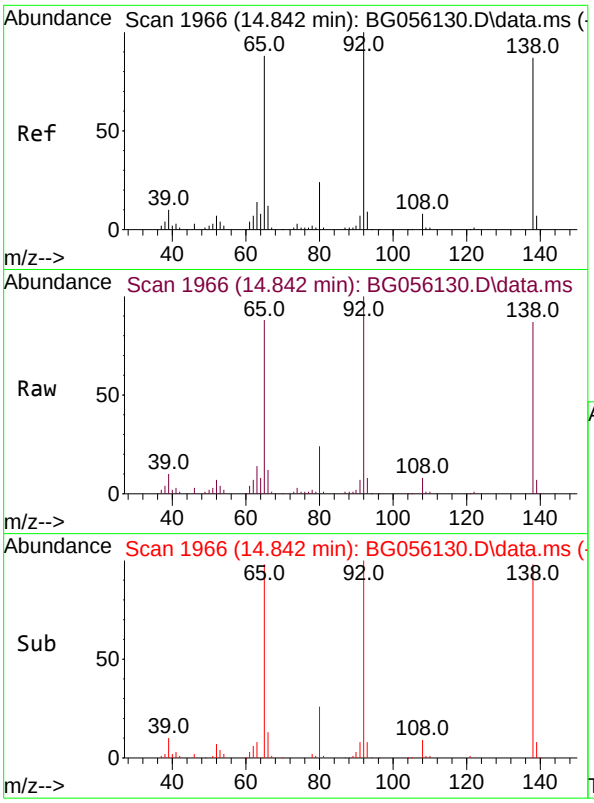


#52
Acenaphthene
Concen: 41.456 ng
RT: 15.013 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:154 Resp: 340030

Ion	Ratio	Lower	Upper
154	100		
153	115.0	92.0	138.0
152	53.1	42.5	63.7



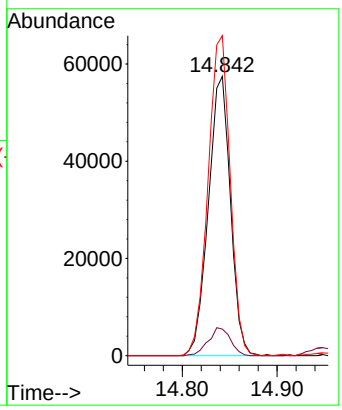


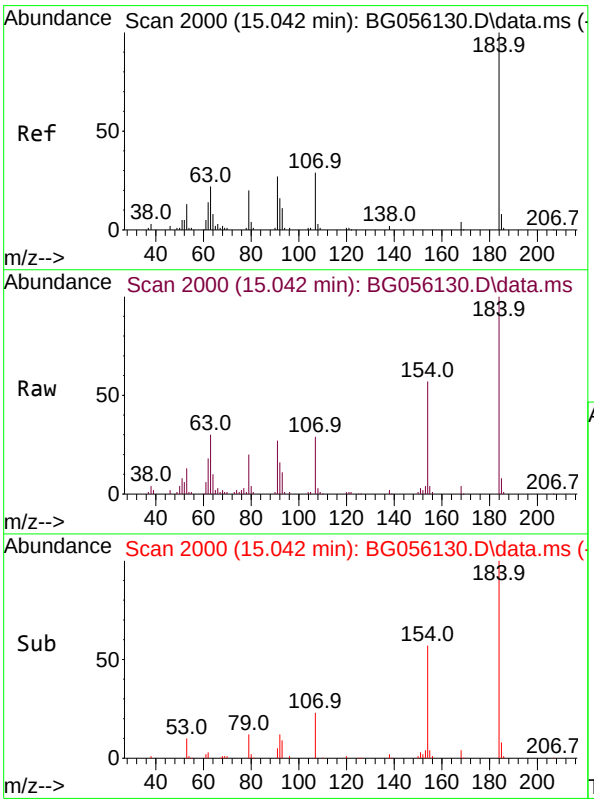
#53
3-Nitroaniline
Concen: 49.063 ng
RT: 14.842 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 92791

Ion	Ratio	Lower	Upper
138	100		
108	9.5	7.6	11.4
92	114.6	91.7	137.5

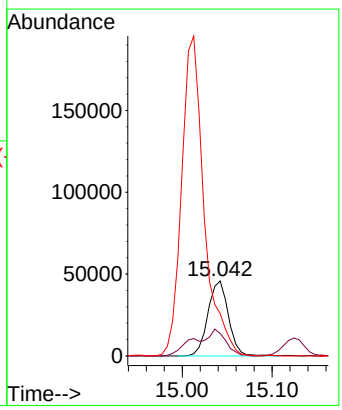


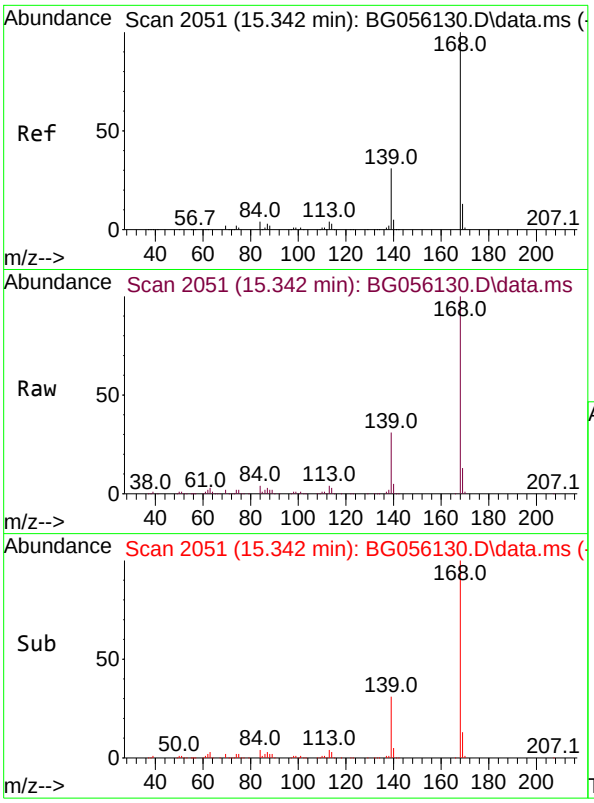


#54
2,4-Dinitrophenol
Concen: 52.420 ng
RT: 15.042 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:184 Resp: 72460

Ion	Ratio	Lower	Upper
184	100		
63	30.0	24.0	36.0
154	56.7	45.4	68.0



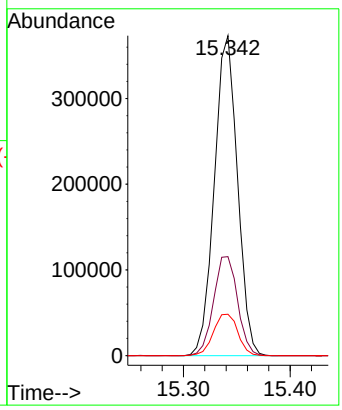


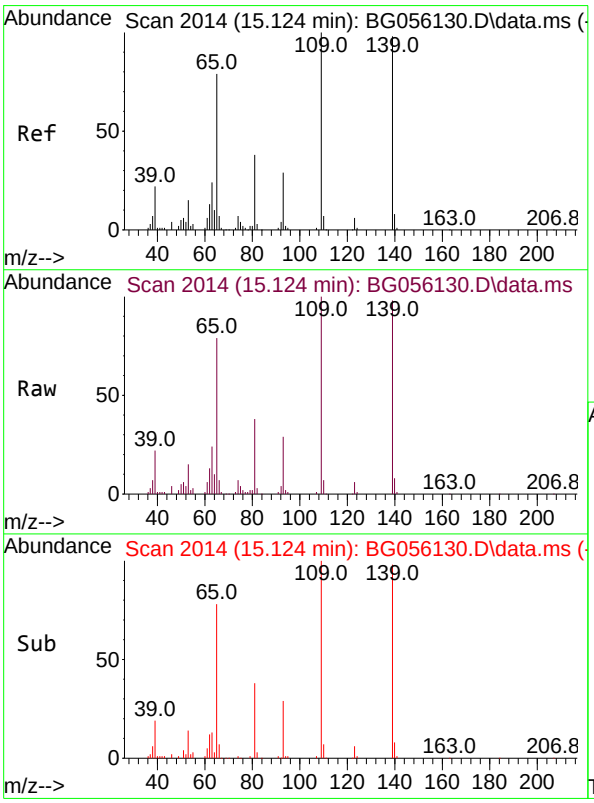
#55
Dibenzofuran
Concen: 40.750 ng
RT: 15.342 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 562059

Ion	Ratio	Lower	Upper
168	100		
139	30.9	24.7	37.1
169	12.9	10.3	15.5

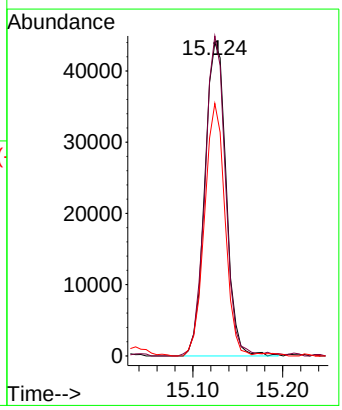


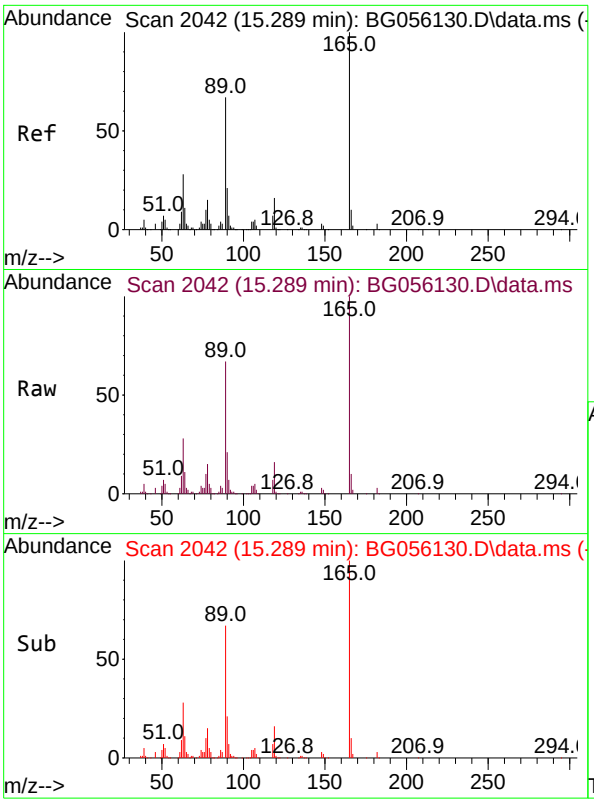


#56
4-Nitrophenol
Concen: 47.904 ng
RT: 15.124 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:139 Resp: 72602

Ion	Ratio	Lower	Upper
139	100		
109	102.2	82.2	122.2
65	80.6	60.6	100.6



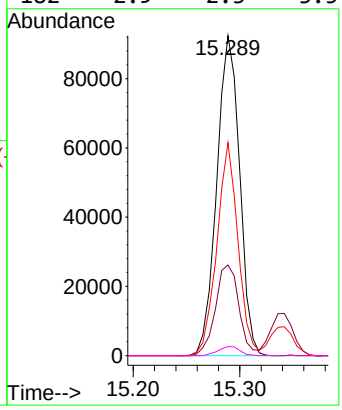


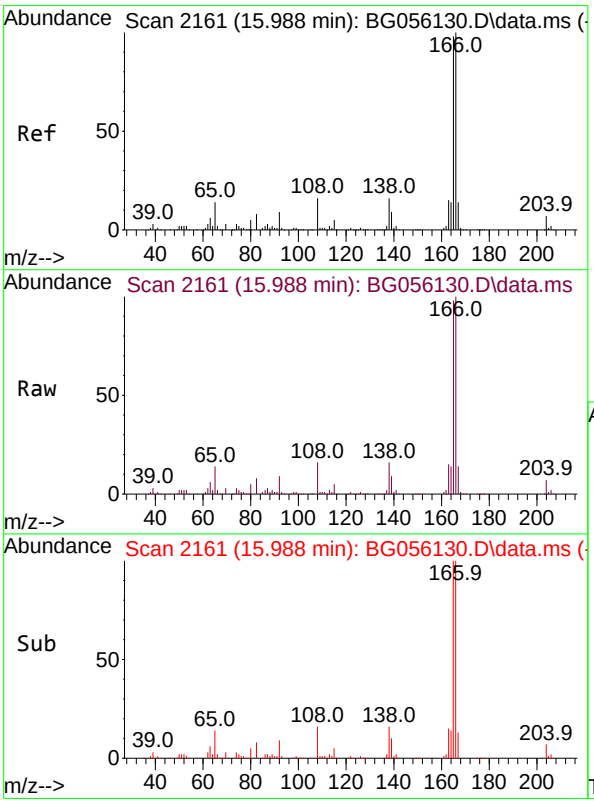
#57
2,4-Dinitrotoluene
Concen: 49.143 ng
RT: 15.289 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 137928

Ion	Ratio	Lower	Upper
165	100		
63	28.3	22.6	34.0
89	66.5	53.2	79.8
182	2.9	2.3	3.5

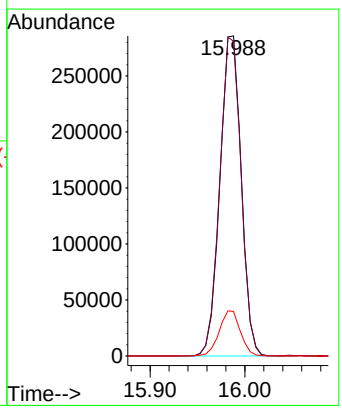


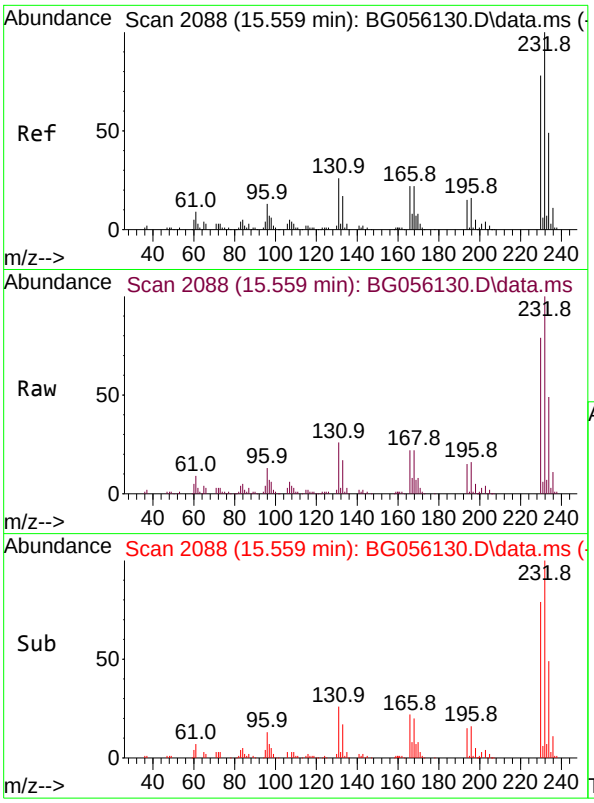


#58
Fluorene
Concen: 39.477 ng
RT: 15.988 min Scan# 2161
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:166 Resp: 445100

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.6	118.0
167	13.9	11.1	16.7



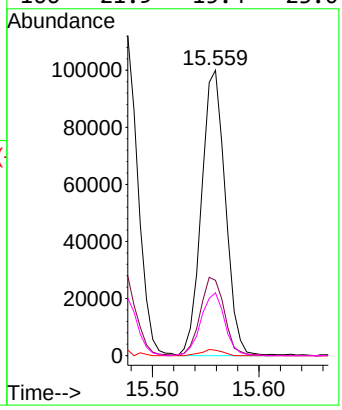


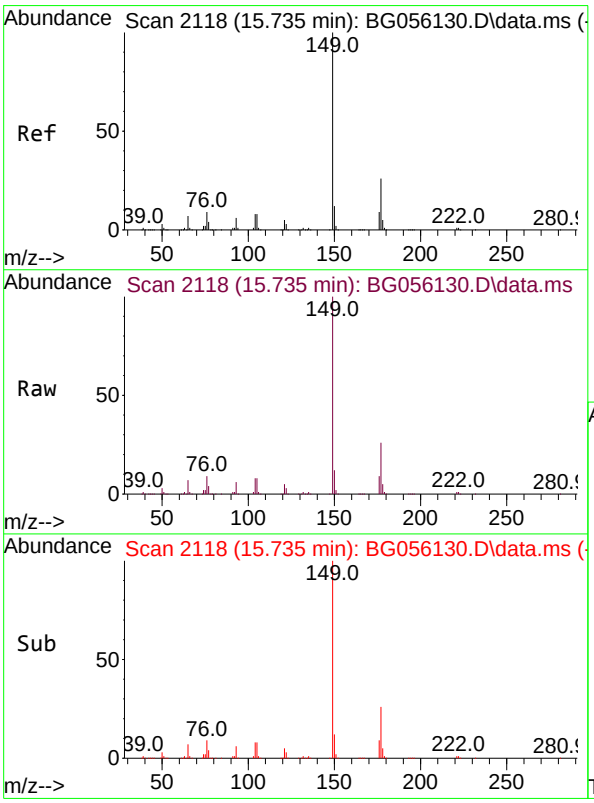
#59
2,3,4,6-Tetrachlorophenol
Concen: 34.774 ng
RT: 15.559 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 155442

Ion	Ratio	Lower	Upper
232	100		
131	27.6	21.4	32.2
130	1.9	1.4	2.0
166	21.9	15.4	23.0

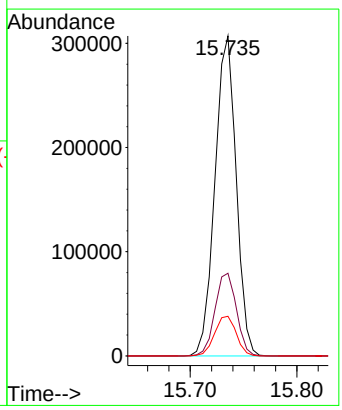


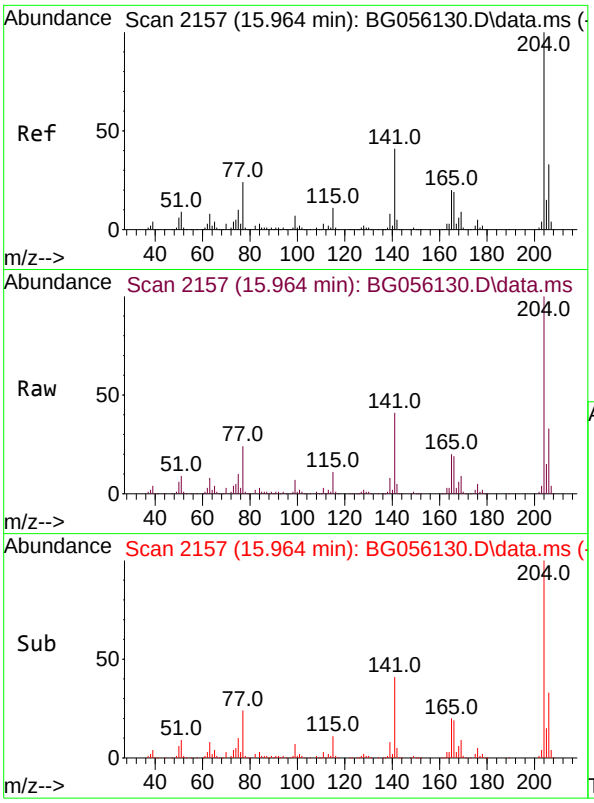


#60
Diethylphthalate
Concen: 36.235 ng
RT: 15.735 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:149 Resp: 425545

Ion	Ratio	Lower	Upper
149	100		
177	25.8	20.6	31.0
150	12.4	9.9	14.9



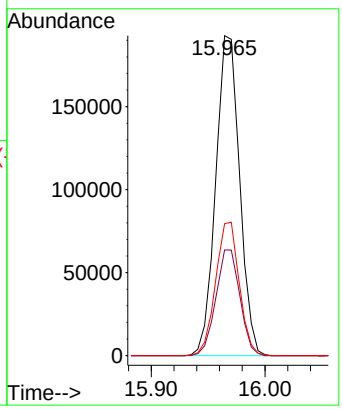


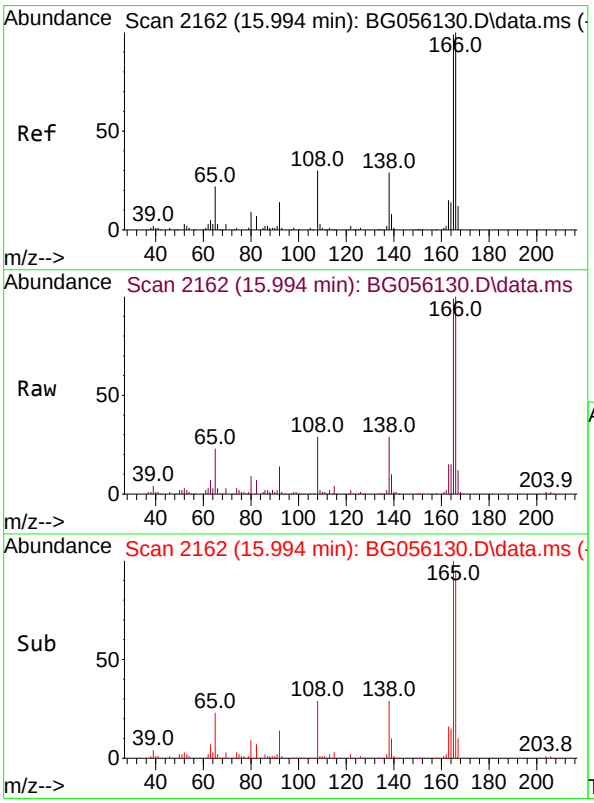
#61
4-Chlorophenyl-phenylether
Concen: 36.640 ng
RT: 15.964 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 281428

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	41.2	33.0	49.4

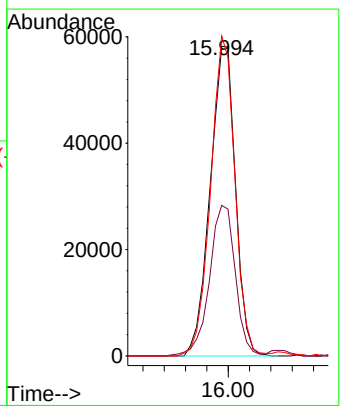


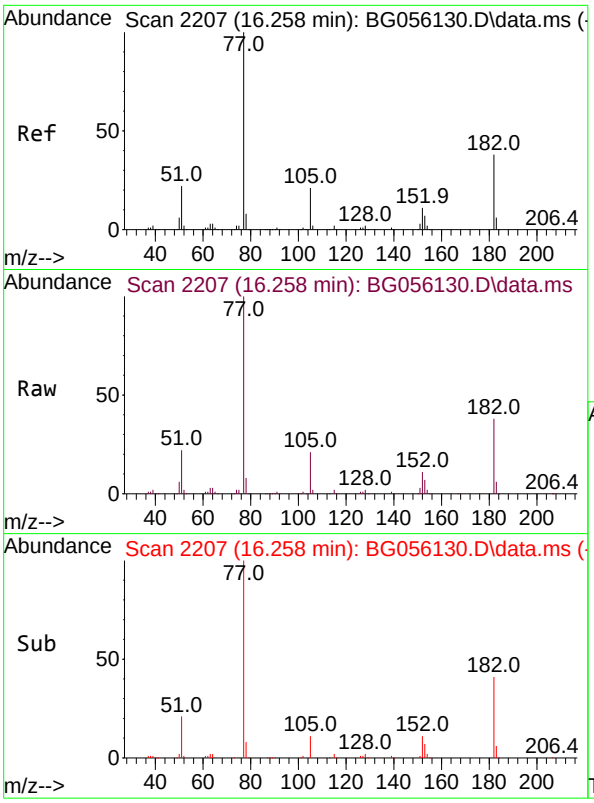


#62
4-Nitroaniline
Concen: 46.616 ng
RT: 15.994 min Scan# 2162
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:138 Resp: 96012

Ion	Ratio	Lower	Upper
138	100		
92	48.6	28.6	68.6
108	103.4	83.4	123.4



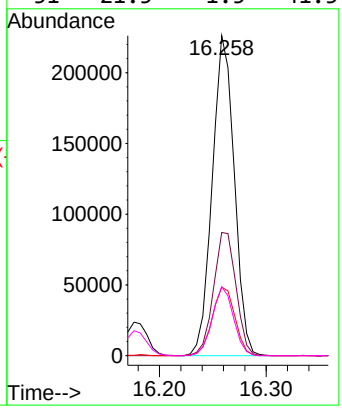


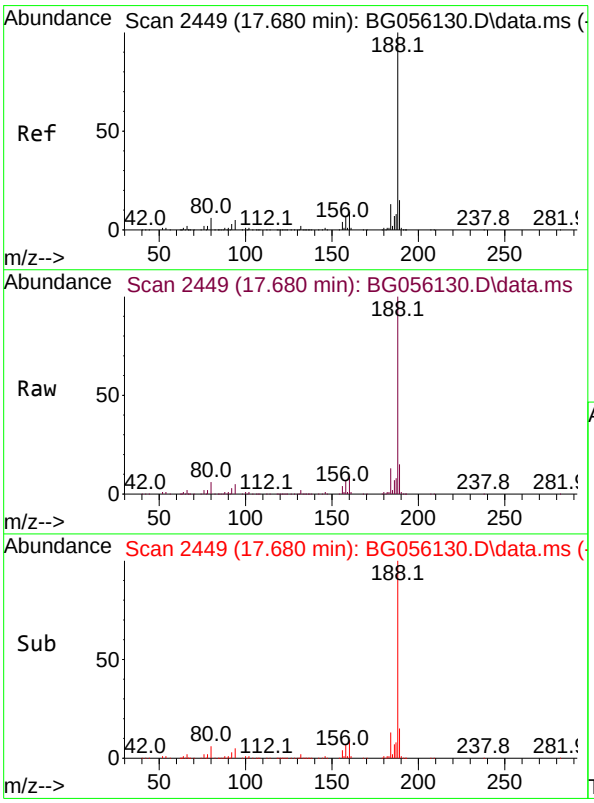
#63
Azobenzene
Concen: 45.470 ng
RT: 16.258 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 325019

Ion	Ratio	Lower	Upper
77	100		
182	38.5	18.5	58.5
105	21.4	1.4	41.4
51	21.5	1.5	41.5

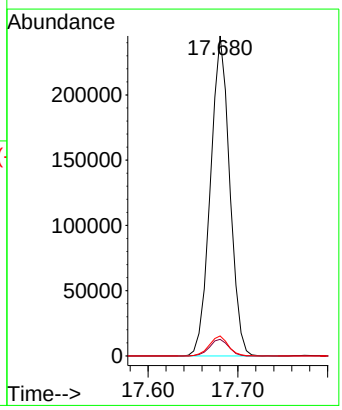


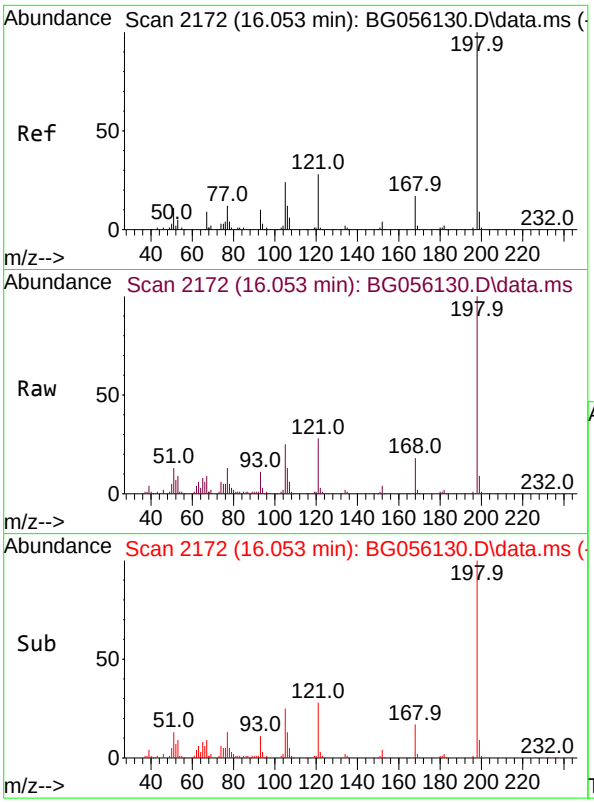


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.680 min Scan# 2449
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:188 Resp: 365985

Ion	Ratio	Lower	Upper
188	100		
94	5.2	4.2	6.2
80	6.2	5.0	7.4



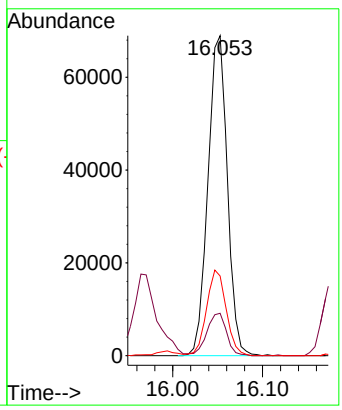


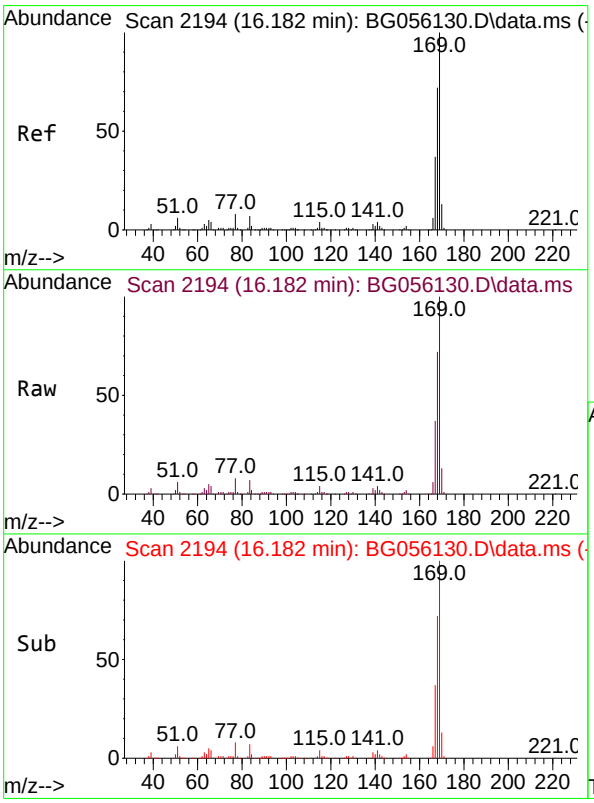
#65
4,6-Dinitro-2-methylphenol
Concen: 59.194 ng
RT: 16.053 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 103491

Ion	Ratio	Lower	Upper
198	100		
51	13.2	0.0	33.2
105	24.9	4.9	44.9

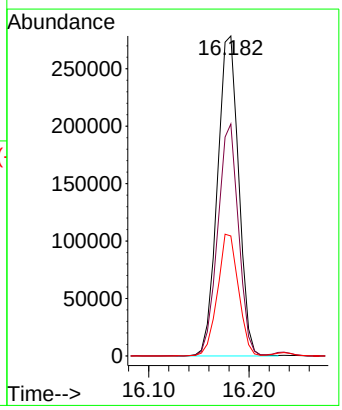


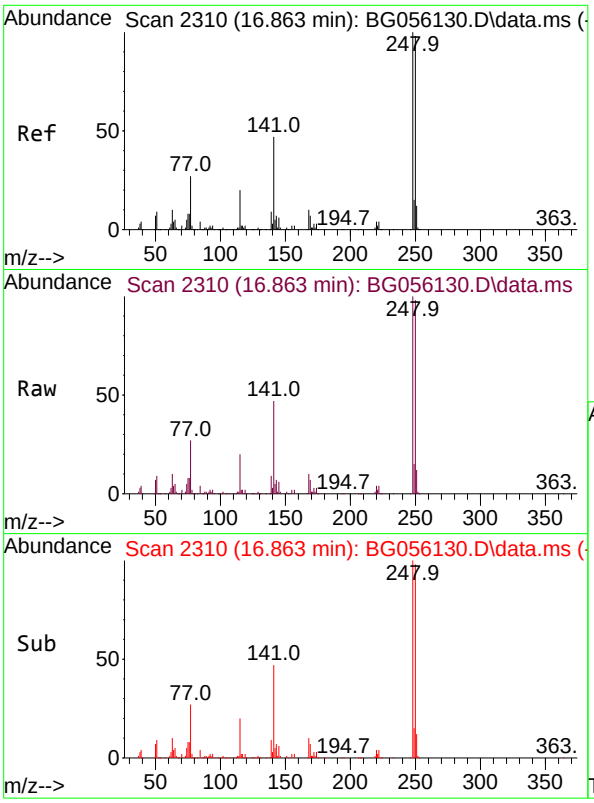


#66
n-Nitrosodiphenylamine
Concen: 42.709 ng
RT: 16.182 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:169 Resp: 409612

Ion	Ratio	Lower	Upper
169	100		
168	72.5	58.0	87.0
167	37.5	30.0	45.0



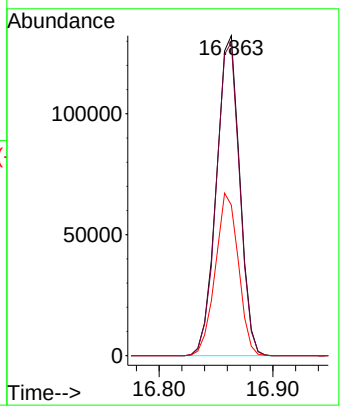


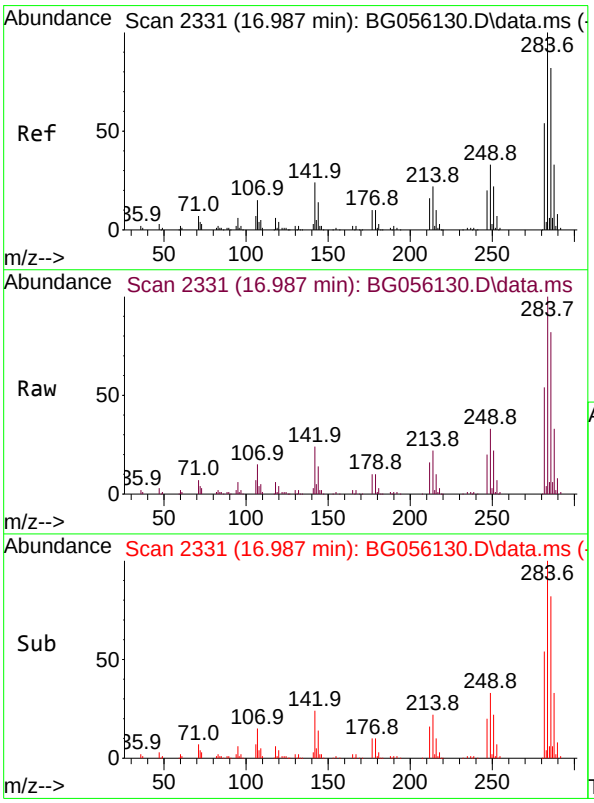
#67
4-Bromophenyl-phenylether
Concen: 35.158 ng
RT: 16.863 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 188548

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.2	117.4
141	47.0	37.6	56.4

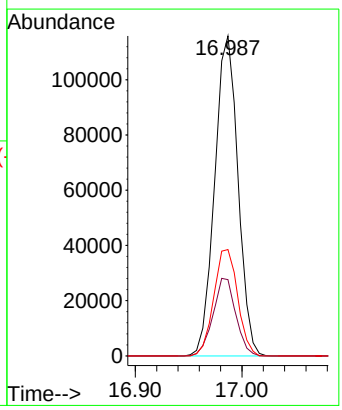


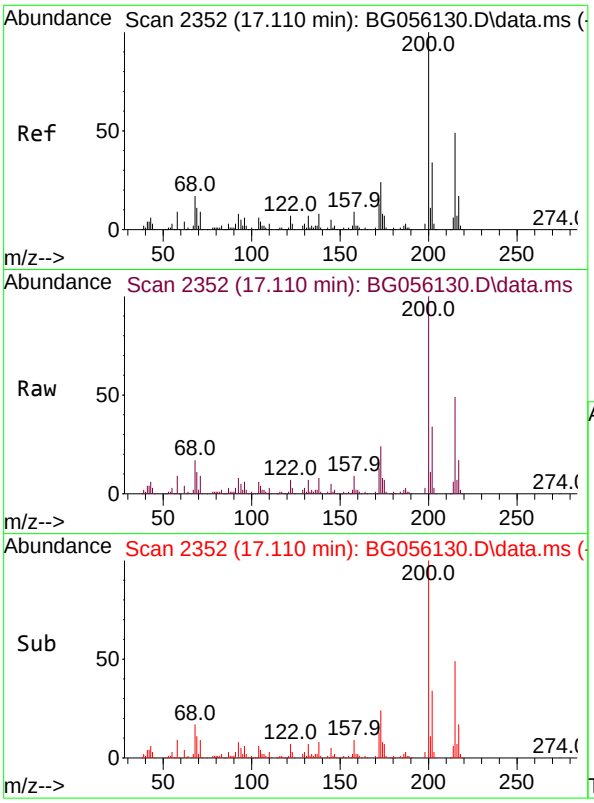


#68
Hexachlorobenzene
Concen: 26.656 ng
RT: 16.987 min Scan# 2331
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:284 Resp: 176076

Ion	Ratio	Lower	Upper
284	100		
142	23.8	19.0	28.6
249	33.2	26.6	39.8



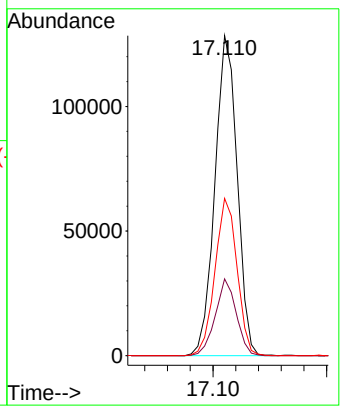


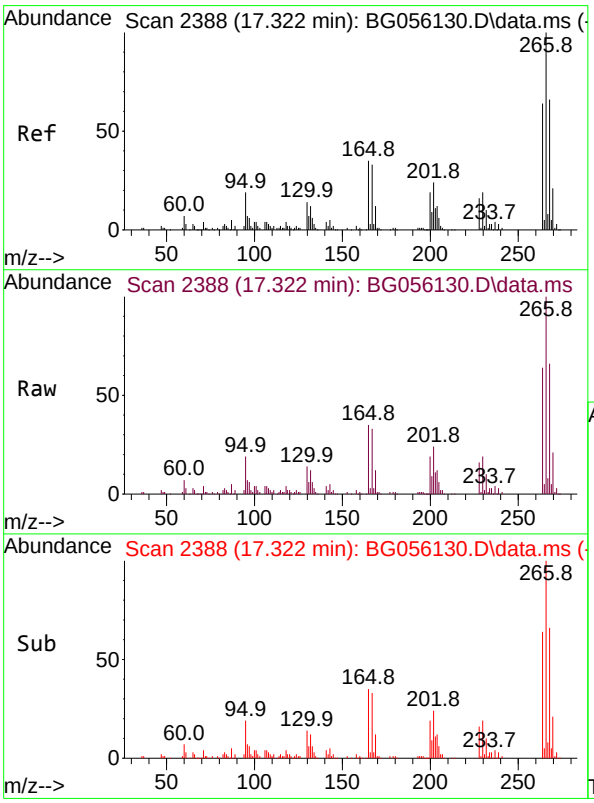
#69
Atrazine
Concen: 40.116 ng
RT: 17.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 174208

Ion	Ratio	Lower	Upper
200	100		
173	24.0	4.0	44.0
215	49.1	29.1	69.1

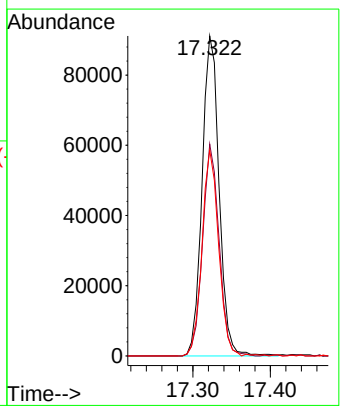


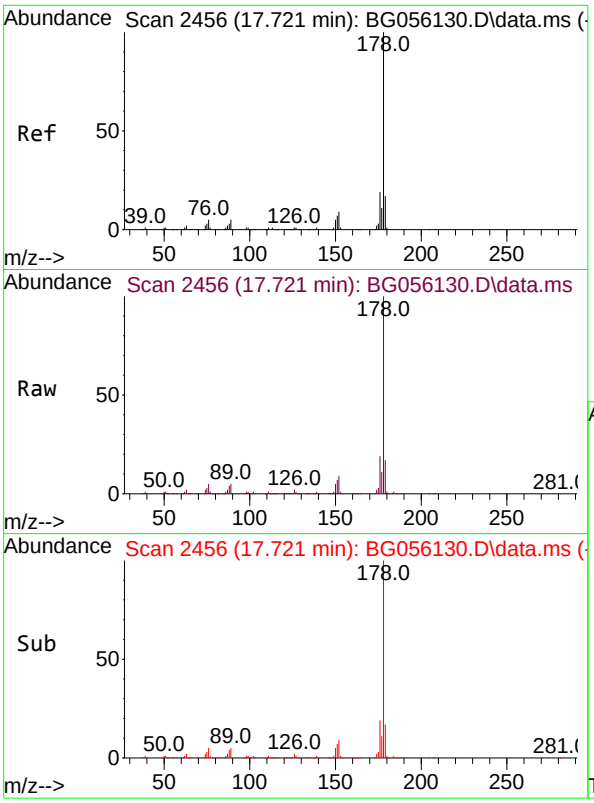


#70
Pentachlorophenol
Concen: 36.810 ng
RT: 17.322 min Scan# 2388
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:266 Resp: 139007

Ion	Ratio	Lower	Upper
266	100		
268	66.2	53.0	79.4
264	64.3	51.4	77.2



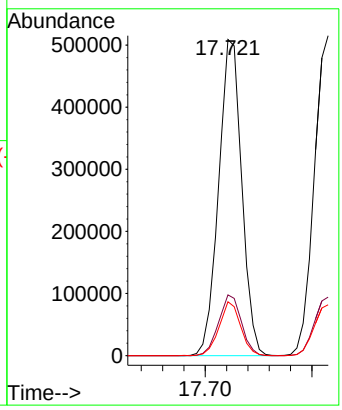


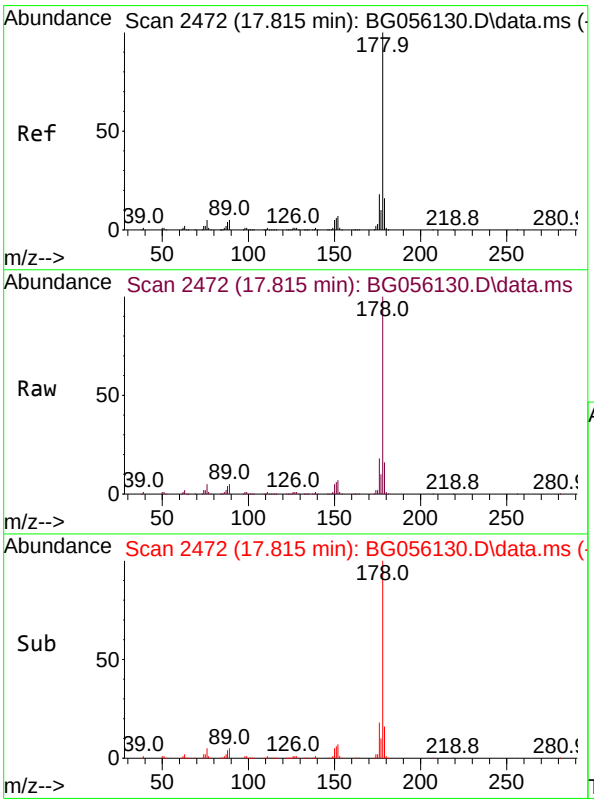
#71
Phenanthrene
Concen: 40.025 ng
RT: 17.721 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 767665

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	17.0	13.6	20.4

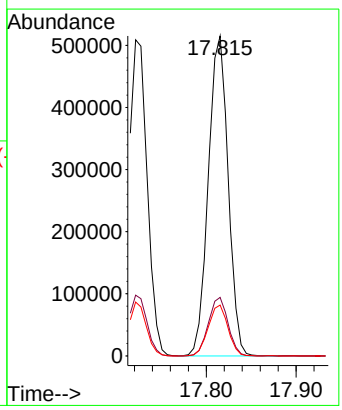


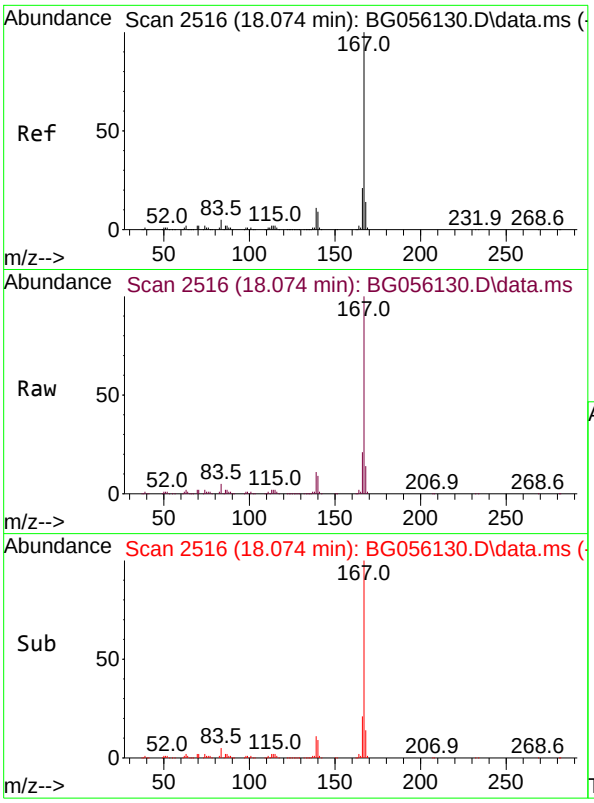


#72
Anthracene
Concen: 41.694 ng
RT: 17.815 min Scan# 2472
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:178 Resp: 791142

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.9	12.7	19.1



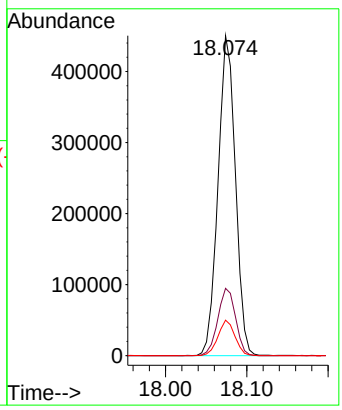


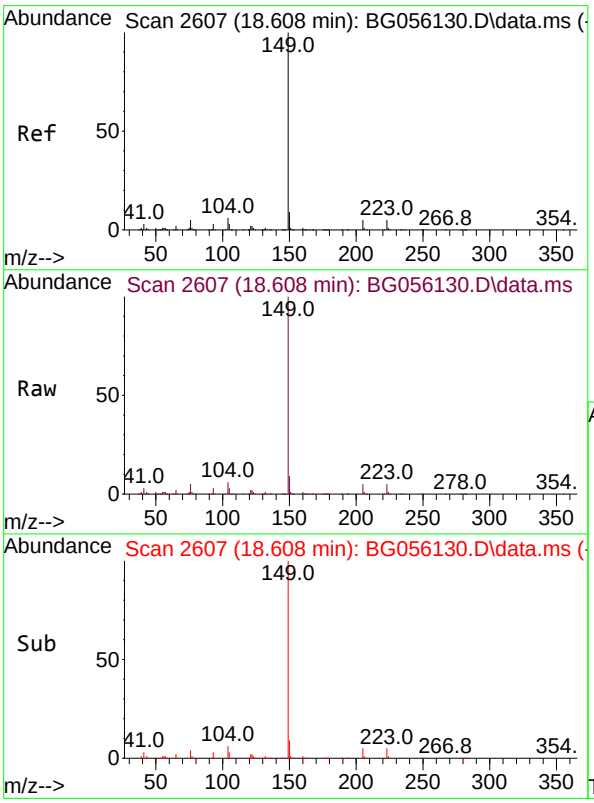
#73
Carbazole
Concen: 42.702 ng
RT: 18.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 668256

Ion	Ratio	Lower	Upper
167	100		
166	21.0	16.8	25.2
139	11.1	8.9	13.3

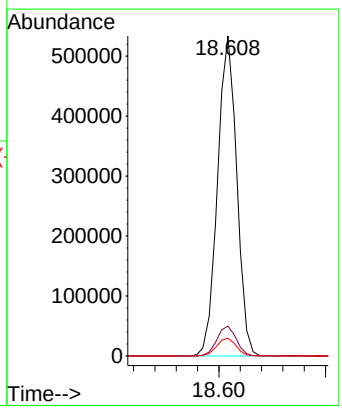


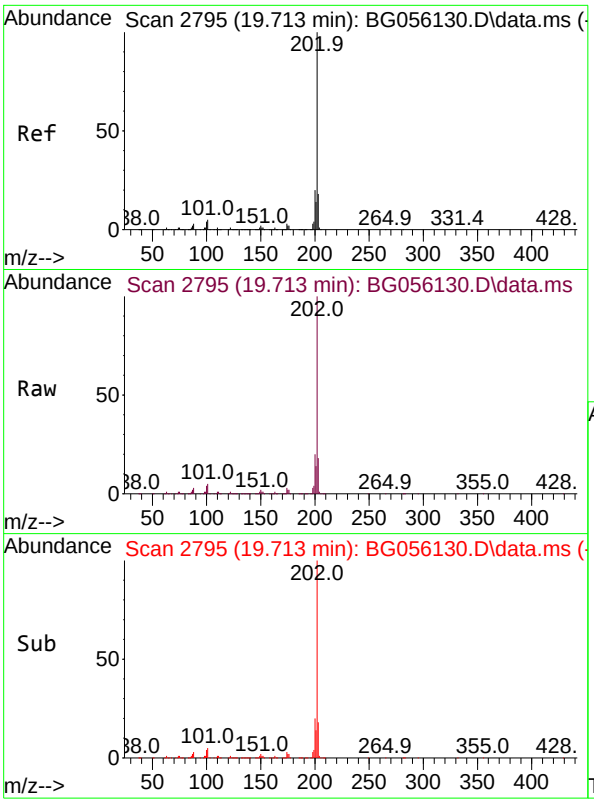


#74
Di-n-butylphthalate
Concen: 36.777 ng
RT: 18.608 min Scan# 2607
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:149 Resp: 669316

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.5	4.4	6.6



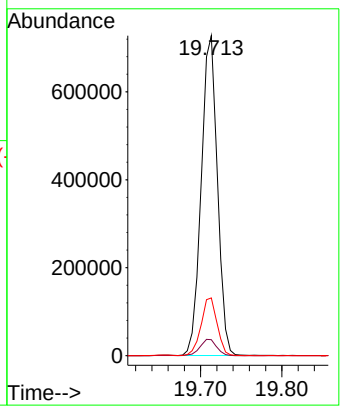


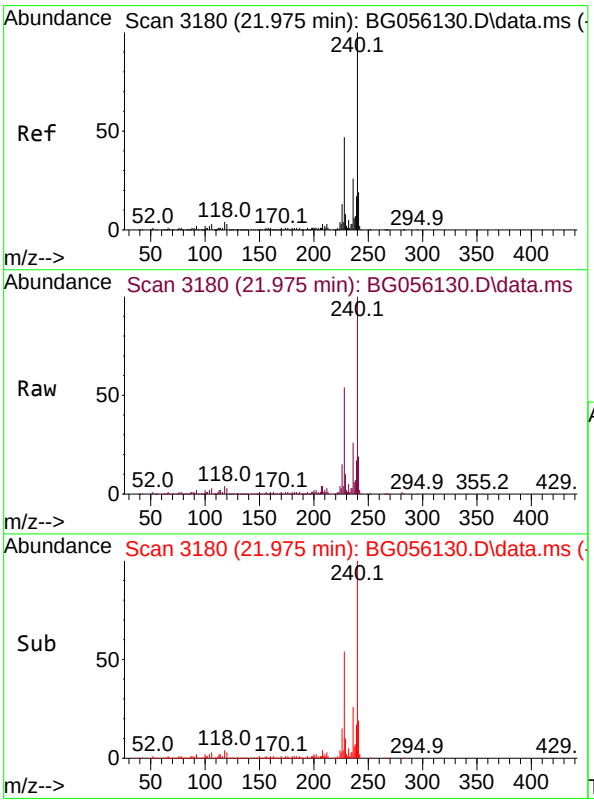
#75
Fluoranthene
Concen: 37.418 ng
RT: 19.713 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 1004927

Ion	Ratio	Lower	Upper
202	100		
101	5.0	0.0	25.0
203	18.0	0.0	38.0

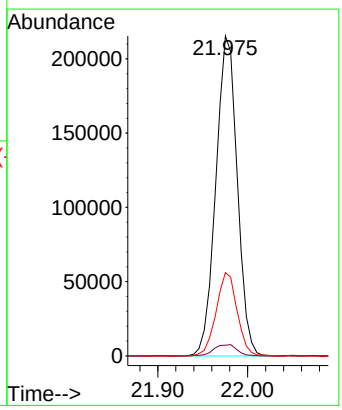


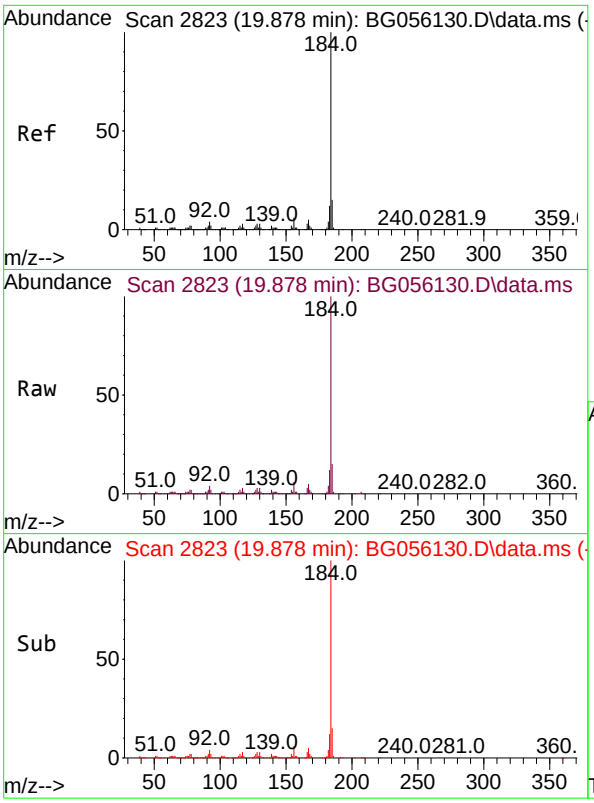


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.975 min Scan# 3180
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:240 Resp: 356915

Ion	Ratio	Lower	Upper
240	100		
120	3.3	2.6	4.0
236	26.0	20.8	31.2



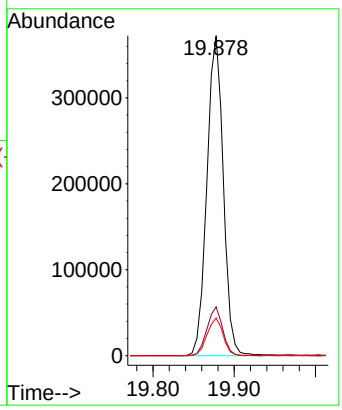


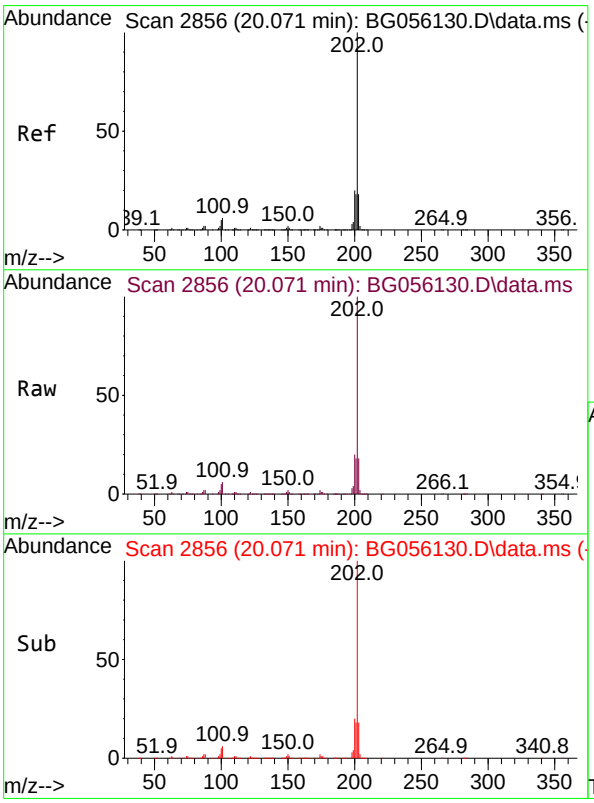
#77
Benzidine
Concen: 83.368 ng
RT: 19.878 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 522554

Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.2	18.2
183	11.7	9.4	14.0

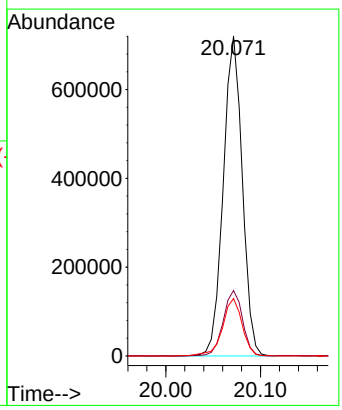


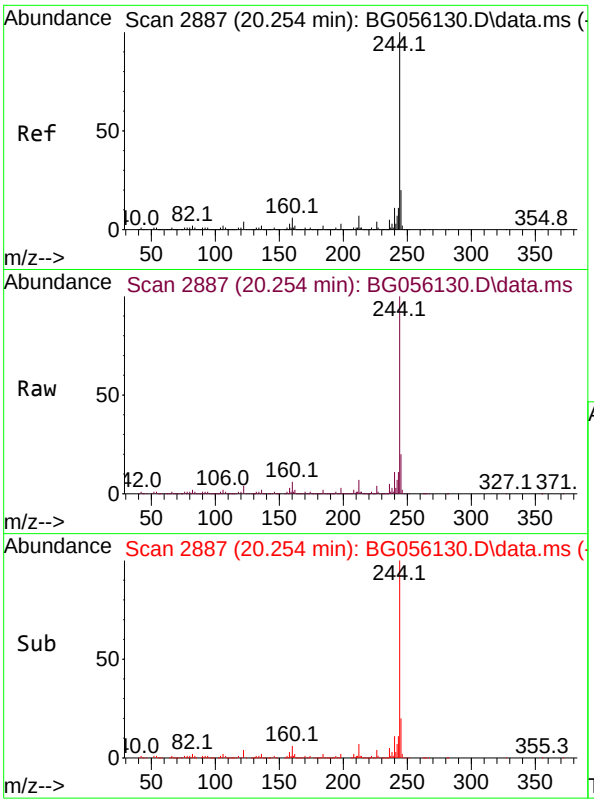


#78
Pyrene
Concen: 46.391 ng
RT: 20.071 min Scan# 2856
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:202 Resp: 1001916

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	17.9	14.3	21.5



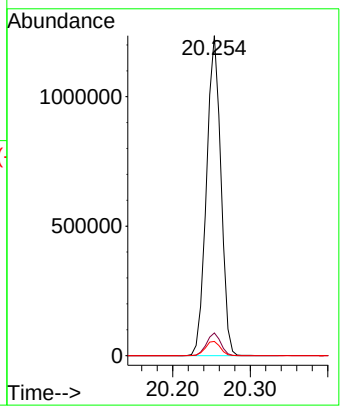


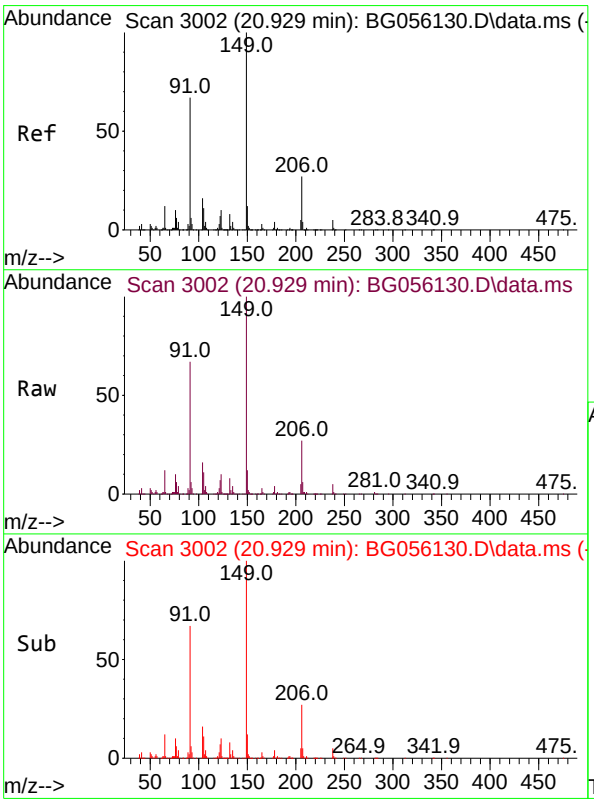
#79
Terphenyl-d14
Concen: 78.715 ng
RT: 20.254 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 1589598

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	4.4	3.5	5.3

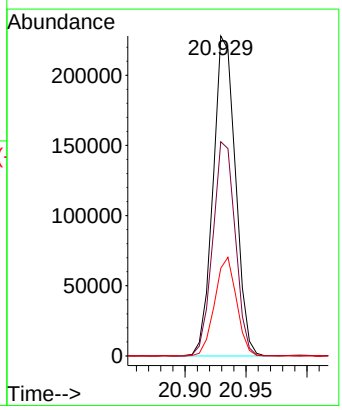


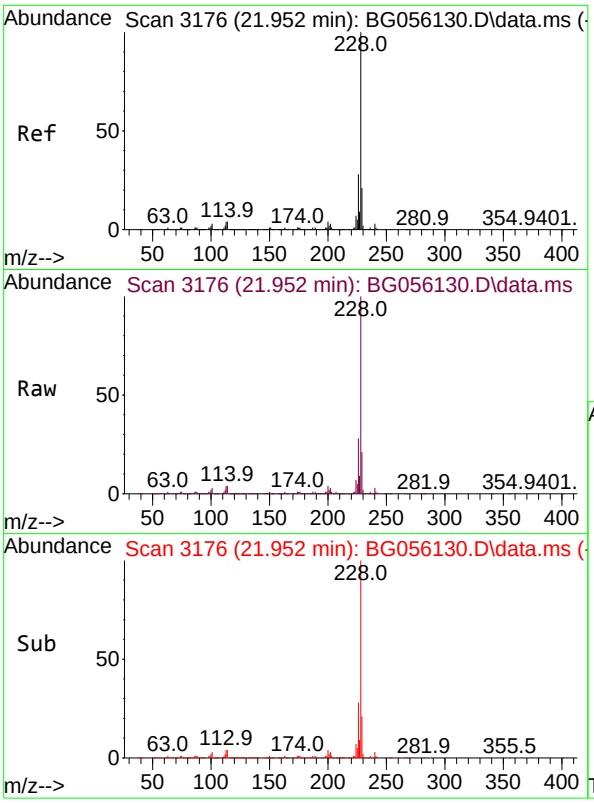


#80
Butylbenzylphthalate
Concen: 47.715 ng
RT: 20.929 min Scan# 3002
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:149 Resp: 292007

Ion	Ratio	Lower	Upper
149	100		
91	66.9	53.5	80.3
206	27.4	21.9	32.9



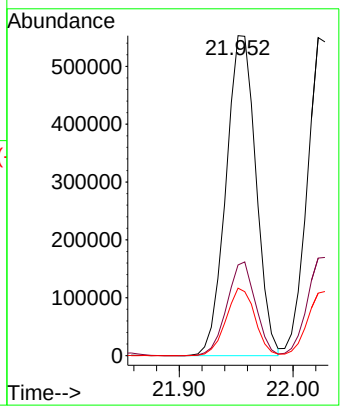


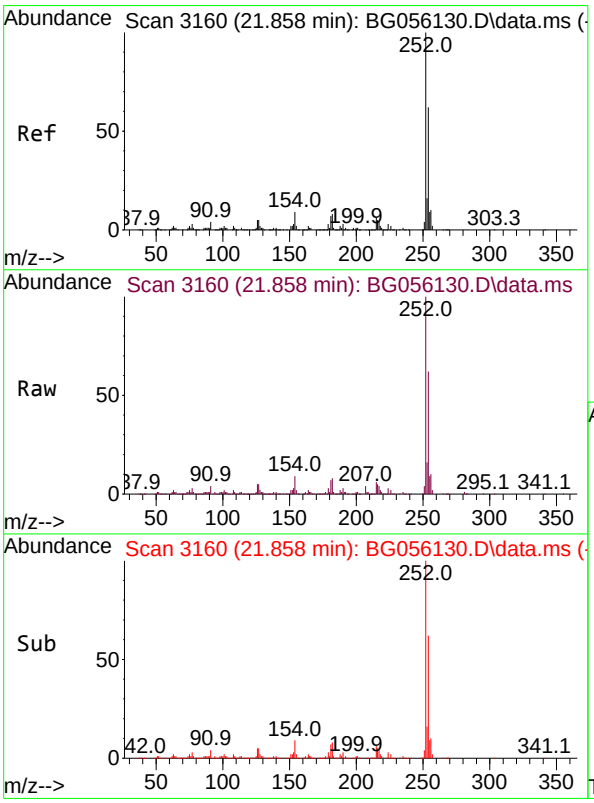
#81
Benzo(a)anthracene
Concen: 40.234 ng
RT: 21.952 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 1010480

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	34.0
229	21.1	16.9	25.3

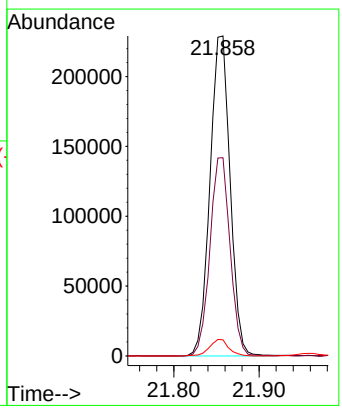


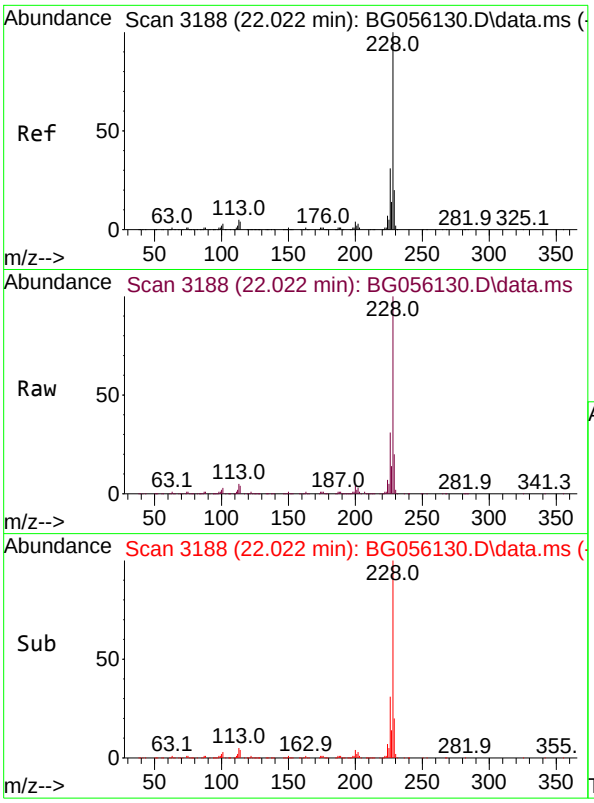


#82
3,3'-Dichlorobenzidine
Concen: 41.544 ng
RT: 21.858 min Scan# 3160
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:252 Resp: 375400

Ion	Ratio	Lower	Upper
252	100		
254	61.9	49.5	74.3
126	5.0	4.0	6.0



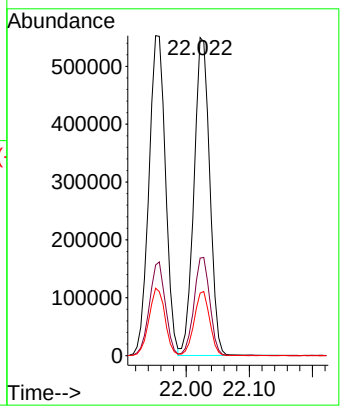


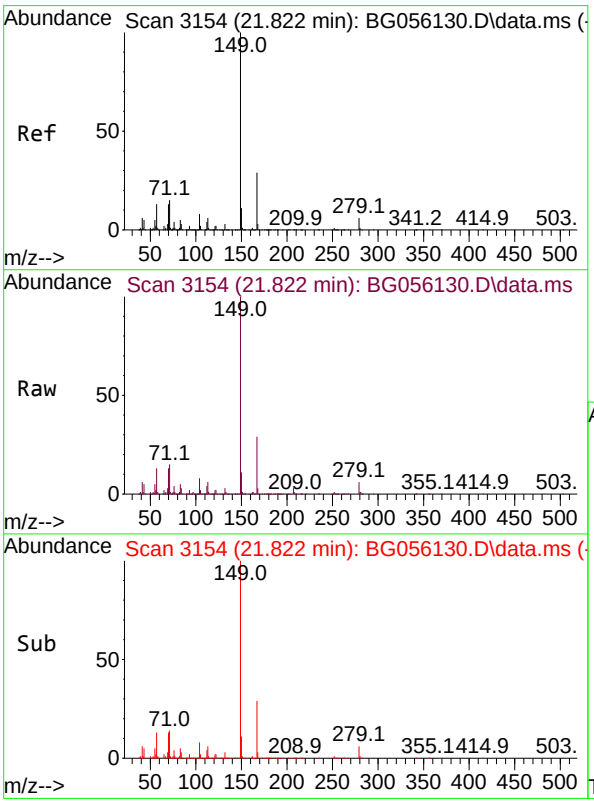
#83
Chrysene
Concen: 40.424 ng
RT: 22.022 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 951523

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	36.8
229	19.7	15.8	23.6

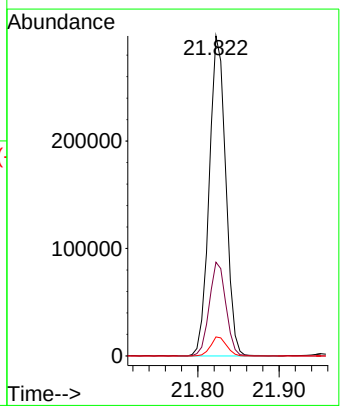


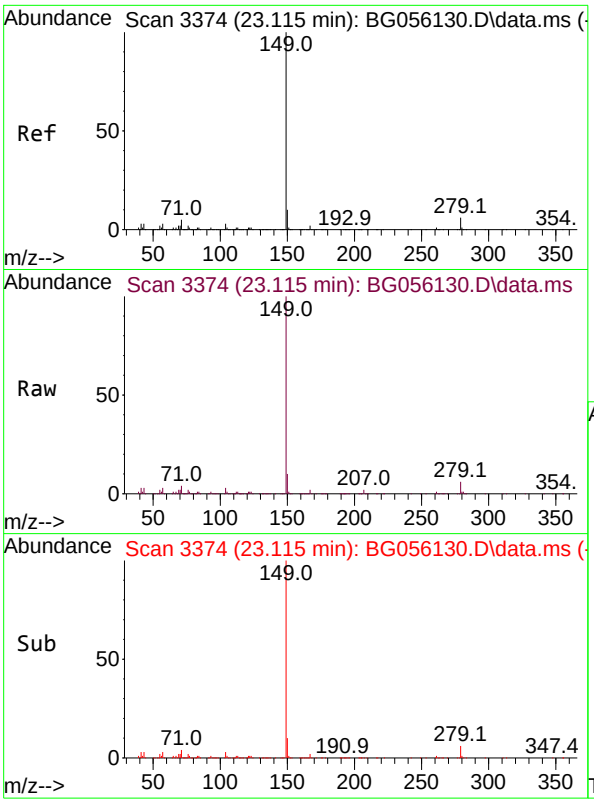


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.326 ng
RT: 21.822 min Scan# 3154
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:149 Resp: 421207

Ion	Ratio	Lower	Upper
149	100		
167	29.3	23.4	35.2
279	5.9	4.7	7.1



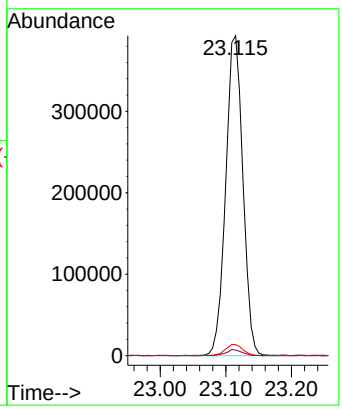


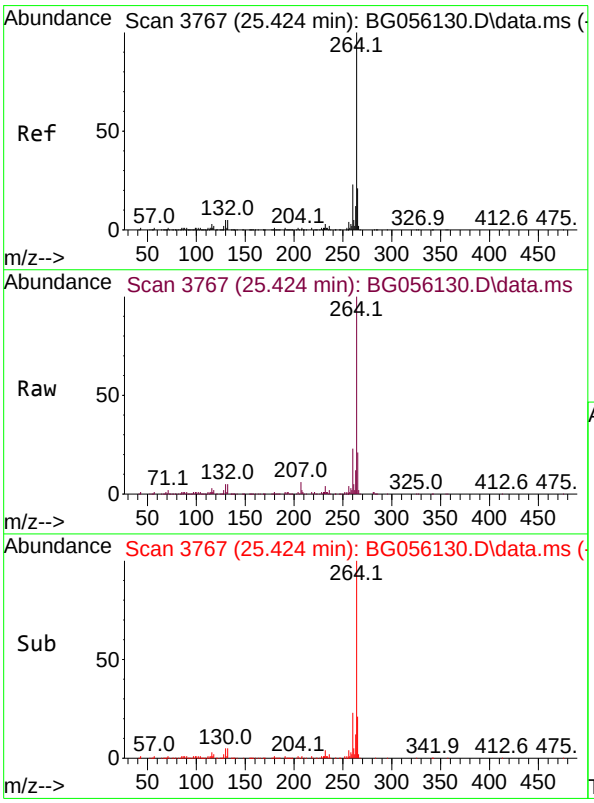
#85
Di-n-octyl phthalate
Concen: 46.299 ng
RT: 23.115 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 714077

Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.2
43	3.6	2.9	4.3

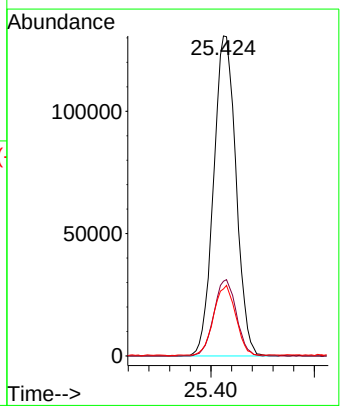


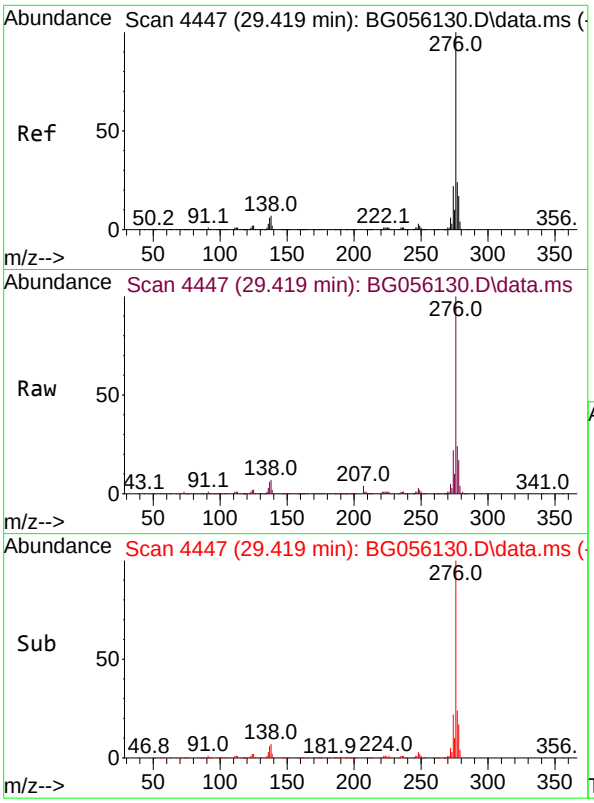


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.424 min Scan# 3767
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:264 Resp: 394986

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	20.9	16.7	25.1



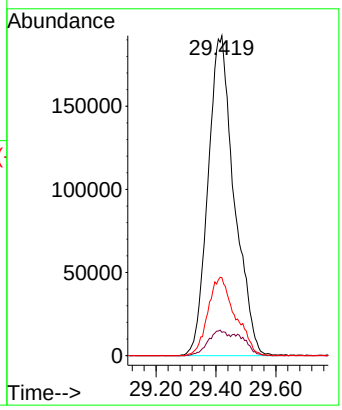


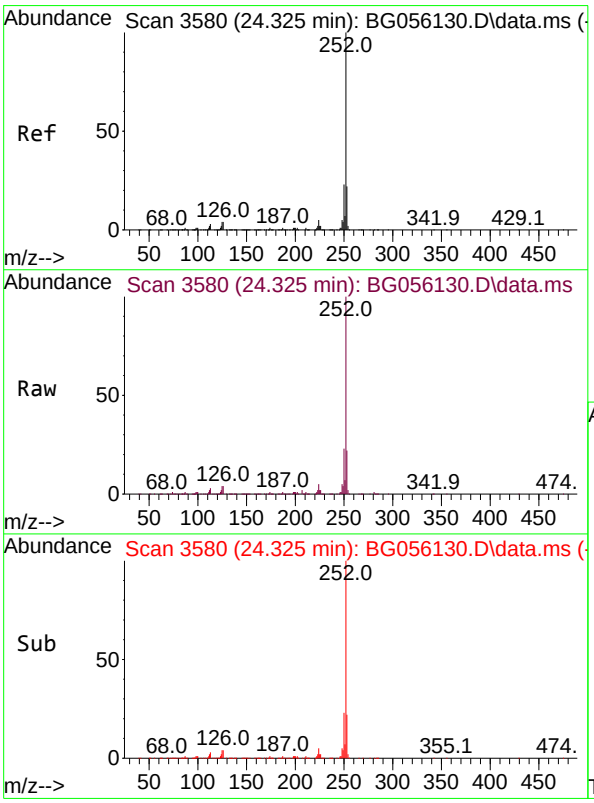
#87
Indeno(1,2,3-cd)pyrene
Concen: 36.904 ng
RT: 29.419 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 1172160

Ion	Ratio	Lower	Upper
276	100		
138	6.2	5.0	7.4
277	25.6	20.5	30.7

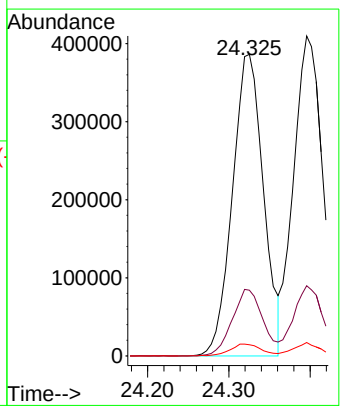


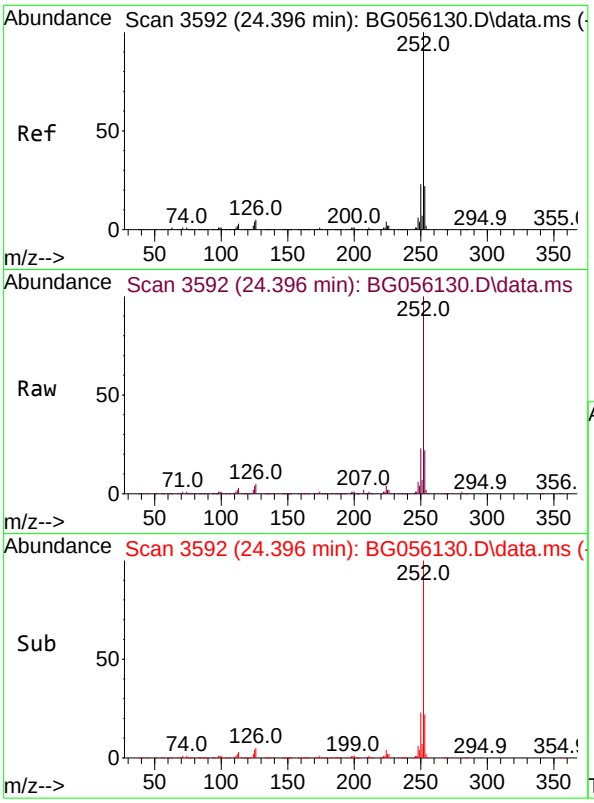


#88
Benzo(b)fluoranthene
Concen: 40.088 ng
RT: 24.325 min Scan# 3580
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:252 Resp: 1024766

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	3.7	3.0	4.4



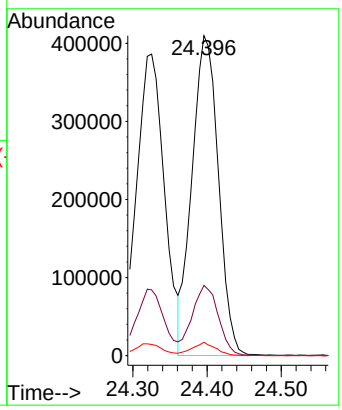


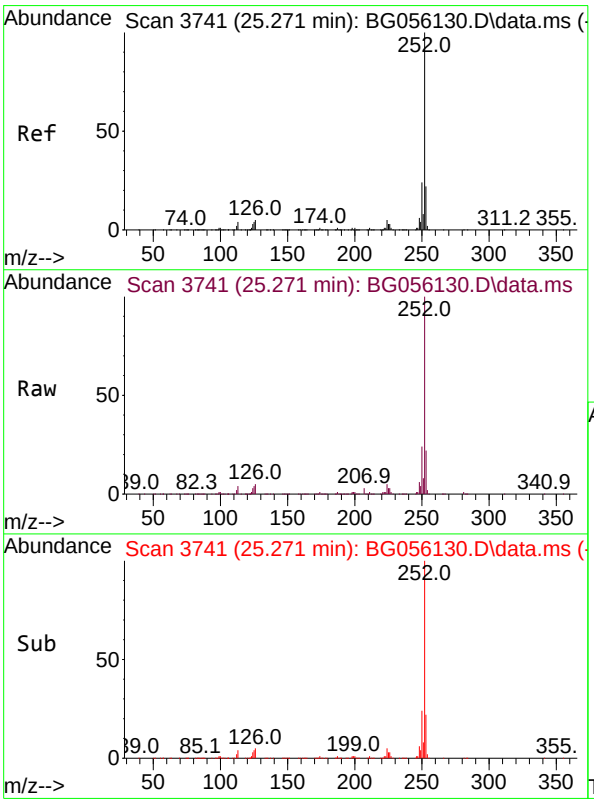
#89
Benzo(k)fluoranthene
Concen: 39.737 ng
RT: 24.396 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 1013467

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	4.2	3.4	5.0

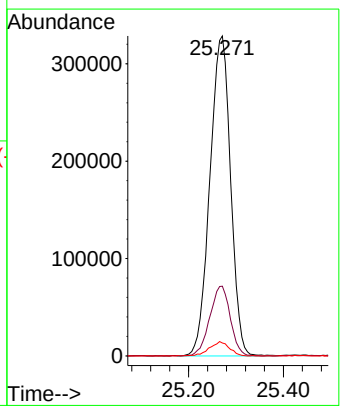


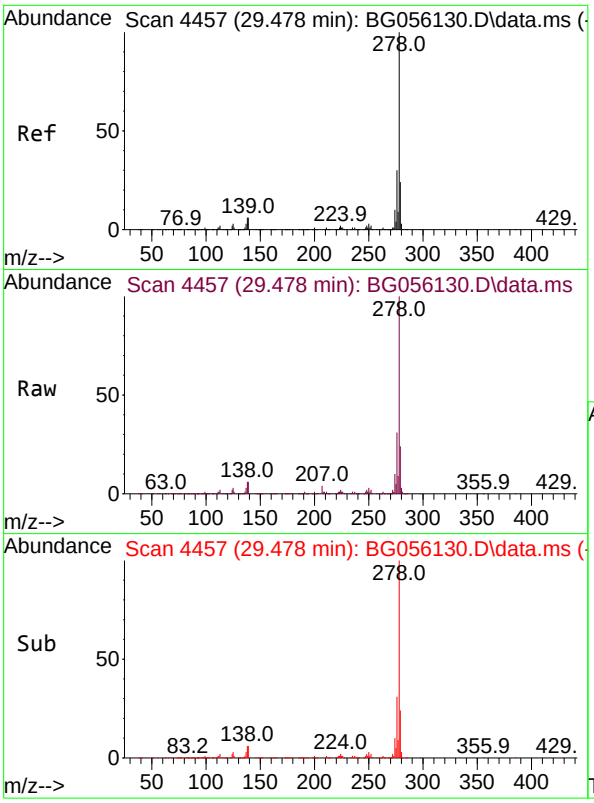


#90
Benzo(a)pyrene
Concen: 46.095 ng
RT: 25.271 min Scan# 3741
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:252 Resp: 996026

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	4.0	3.2	4.8



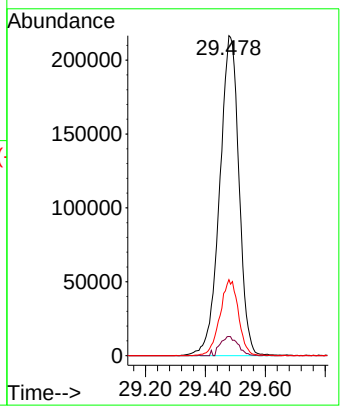


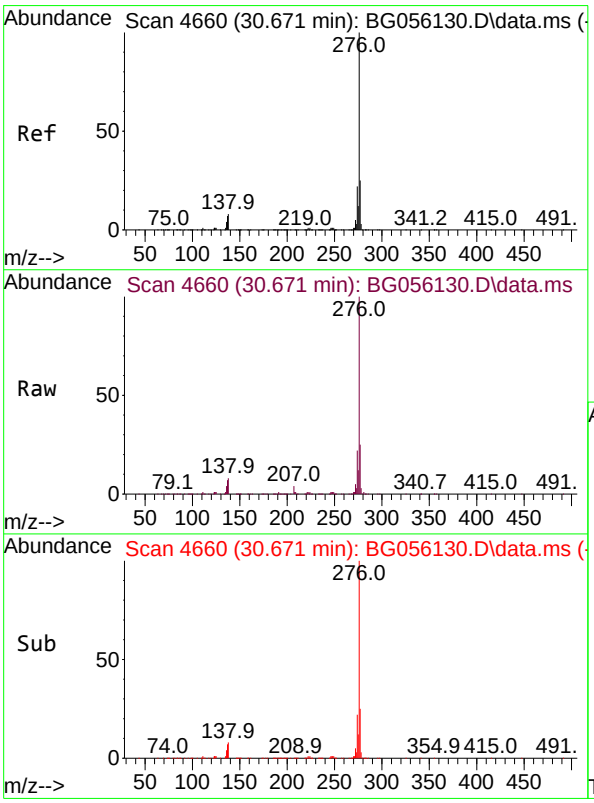
#91
Dibenzo(a,h)anthracene
Concen: 36.680 ng
RT: 29.478 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 975139

Ion	Ratio	Lower	Upper
278	100		
139	6.0	4.8	7.2
279	23.7	19.0	28.4

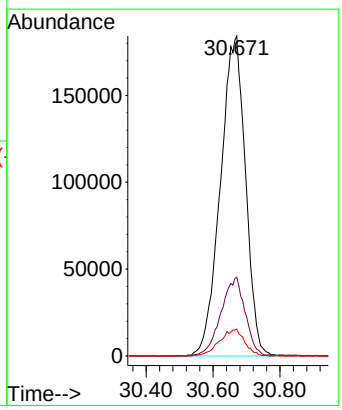




#92
Benzo(g,h,i)perylene
Concen: 37.283 ng
RT: 30.671 min Scan# 4660
Delta R.T. 0.000 min
Lab File: BG056130.D
Acq: 27 Dec 2022 17:40

Tgt Ion:276 Resp: 958304

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.7	29.5
138	8.4	6.7	10.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056131.D
Acq On : 27 Dec 2022 18:21
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 28 04:55:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.337	152	46474	20.000	ng		0.00
21) Naphthalene-d8	11.169	136	182515	20.000	ng	#	0.00
39) Acenaphthene-d10	14.947	164	153441	20.000	ng		0.00
64) Phenanthrene-d10	17.679	188	401484	20.000	ng		0.00
76) Chrysene-d12	21.980	240	375034	20.000	ng		0.00
86) Perylene-d12	25.429	264	414943	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.852	112	262085	132.254	ng		0.00
7) Phenol-d6	7.473	99	401691	157.605	ng		0.00
23) Nitrobenzene-d5	9.512	82	351834	134.712	ng		0.00
42) 2,4,6-Tribromophenol	16.422	330	199169	53.831	ng		0.00
45) 2-Fluorobiphenyl	13.578	172	1139867	104.186	ng		0.00
79) Terphenyl-d14	20.253	244	2072627	97.675	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.678	88	58297m	101.086	ng		
3) Pyridine	4.095	79	185820	97.908	ng		98
4) n-Nitrosodimethylamine	4.007	42	38486	22.558	ng		93
6) Aniline	7.650	93	258834	84.821	ng		98
8) 2-Chlorophenol	7.896	128	130031	50.860	ng		95
9) Benzaldehyde	7.462	77	115837	72.368	ng		94
10) Phenol	7.497	94	204038	73.147	ng		97
11) bis(2-Chloroethyl)ether	7.744	93	134961	74.278	ng		95
12) 1,3-Dichlorobenzene	8.226	146	157209	47.535	ng		97
13) 1,4-Dichlorobenzene	8.372	146	158222	46.813	ng		97
14) 1,2-Dichlorobenzene	8.701	146	153518	47.527	ng		98
15) Benzyl Alcohol	8.572	79	147320	55.628	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.860	45	23320	9.861	ng		95
17) 2-Methylphenol	8.766	107	148134	67.496	ng		98
18) Hexachloroethane	9.436	117	48775	47.541	ng		96
19) n-Nitroso-di-n-propyla...	9.142	70	122075	66.821	ng		98
20) 3+4-Methylphenols	9.095	107	212007	67.692	ng		97
22) Acetophenone	9.166	105	257545	56.923	ng	#	99
24) Nitrobenzene	9.553	77	176491	67.136	ng		97
25) Isophorone	10.076	82	371460	67.827	ng		97
26) 2-Nitrophenol	10.270	139	91375	58.715	ng		97
27) 2,4-Dimethylphenol	10.311	122	162664	62.237	ng		97
28) bis(2-Chloroethoxy)met...	10.552	93	193351	79.882	ng		99
29) 2,4-Dichlorophenol	10.805	162	188331	50.768	ng		99
30) 1,2,4-Trichlorobenzene	11.028	180	208686	43.275	ng		99
31) Naphthalene	11.222	128	481464	49.994	ng		100
32) Benzoic acid	10.446	122	131189	65.067	ng		95
33) 4-Chloroaniline	11.316	127	228789	55.418	ng		95
34) Hexachlorobutadiene	11.498	225	147102	32.447	ng		98
35) Caprolactam	12.092	113	59131	57.210	ng		90
36) 4-Chloro-3-methylphenol	12.409	107	188549	54.204	ng		98
37) 2-Methylnaphthalene	12.803	142	405300	47.636	ng		99
38) 1-Methylnaphthalene	13.014	142	378011	45.605	ng		94
40) 1,2,4,5-Tetrachloroben...	13.161	216	297719	45.987	ng		99
41) Hexachlorocyclopentadiene	13.137	237	181117	49.314	ng		97
43) 2,4,6-Trichlorophenol	13.390	196	202160	52.752	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056131.D
Acq On : 27 Dec 2022 18:21
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 28 04:55:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.461	196	236330	54.706	ng		98
46) 1,1'-Biphenyl	13.790	154	561061	53.945	ng		98
47) 2-Chloronaphthalene	13.837	162	444725	52.624	ng		99
48) 2-Nitroaniline	14.025	65	96826	68.494	ng		96
49) Acenaphthylene	14.677	152	726071	53.826	ng		98
50) Dimethylphthalate	14.389	163	624100	47.045	ng		99
51) 2,6-Dinitrotoluene	14.512	165	135707	66.106	ng		97
52) Acenaphthene	15.012	154	476869	52.659	ng		100
53) 3-Nitroaniline	14.841	138	130227	62.366	ng		98
54) 2,4-Dinitrophenol	15.041	184	100323	65.736	ng		97
55) Dibenzofuran	15.341	168	773297	50.780	ng		97
56) 4-Nitrophenol	15.129	139	96654	57.763	ng		96
57) 2,4-Dinitrotoluene	15.294	165	191093	61.668	ng		93
58) Fluorene	15.987	166	616167	49.497	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.558	232	218395	44.252	ng		97
60) Diethylphthalate	15.734	149	584090	45.047	ng		99
61) 4-Chlorophenyl-phenyle...	15.969	204	390989	46.106	ng		100
62) 4-Nitroaniline	15.999	138	127676	56.146	ng		98
63) Azobenzene	16.263	77	451432	57.202	ng		98
65) 4,6-Dinitro-2-methylph...	16.052	198	141711	73.889	ng		99
66) n-Nitrosodiphenylamine	16.181	169	569834	54.161	ng		97
67) 4-Bromophenyl-phenylether	16.862	248	262333	44.592	ng		97
68) Hexachlorobenzene	16.986	284	242611	33.481	ng		99
69) Atrazine	17.115	200	230407	48.366	ng		96
70) Pentachlorophenol	17.321	266	193724	46.763	ng		96
71) Phenanthrene	17.726	178	1043172	49.581	ng		98
72) Anthracene	17.814	178	1070715	51.439	ng		99
73) Carbazole	18.079	167	889951	51.840	ng		99
74) Di-n-butylphthalate	18.607	149	901336	45.146	ng		99
75) Fluoranthene	19.712	202	1335754	45.338	ng		99
77) Benzidine	19.877	184	654402	99.359	ng		100
78) Pyrene	20.070	202	1330044	58.609	ng		99
80) Butylbenzylphthalate	20.934	149	391769	60.923	ng		98
81) Benzo(a)anthracene	21.956	228	1335265	50.597	ng		99
82) 3,3'-Dichlorobenzidine	21.857	252	480481	50.604	ng		96
83) Chrysene	22.027	228	1250278	50.550	ng		98
84) Bis(2-ethylhexyl)phtha...	21.821	149	563504	58.982	ng		98
85) Di-n-octyl phthalate	23.114	149	944637	58.289	ng		100
87) Indeno(1,2,3-cd)pyrene	29.418	276	1500813	44.979	ng	#	98
88) Benzo(b)fluoranthene	24.324	252	1325082	49.343	ng		98
89) Benzo(k)fluoranthene	24.401	252	1332321	49.726	ng		99
90) Benzo(a)pyrene	25.270	252	1305182	57.498	ng		99
91) Dibenzo(a,h)anthracene	29.483	278	1242993	44.507	ng		99
92) Benzo(g,h,i)perylene	30.676	276	1212852	44.917	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

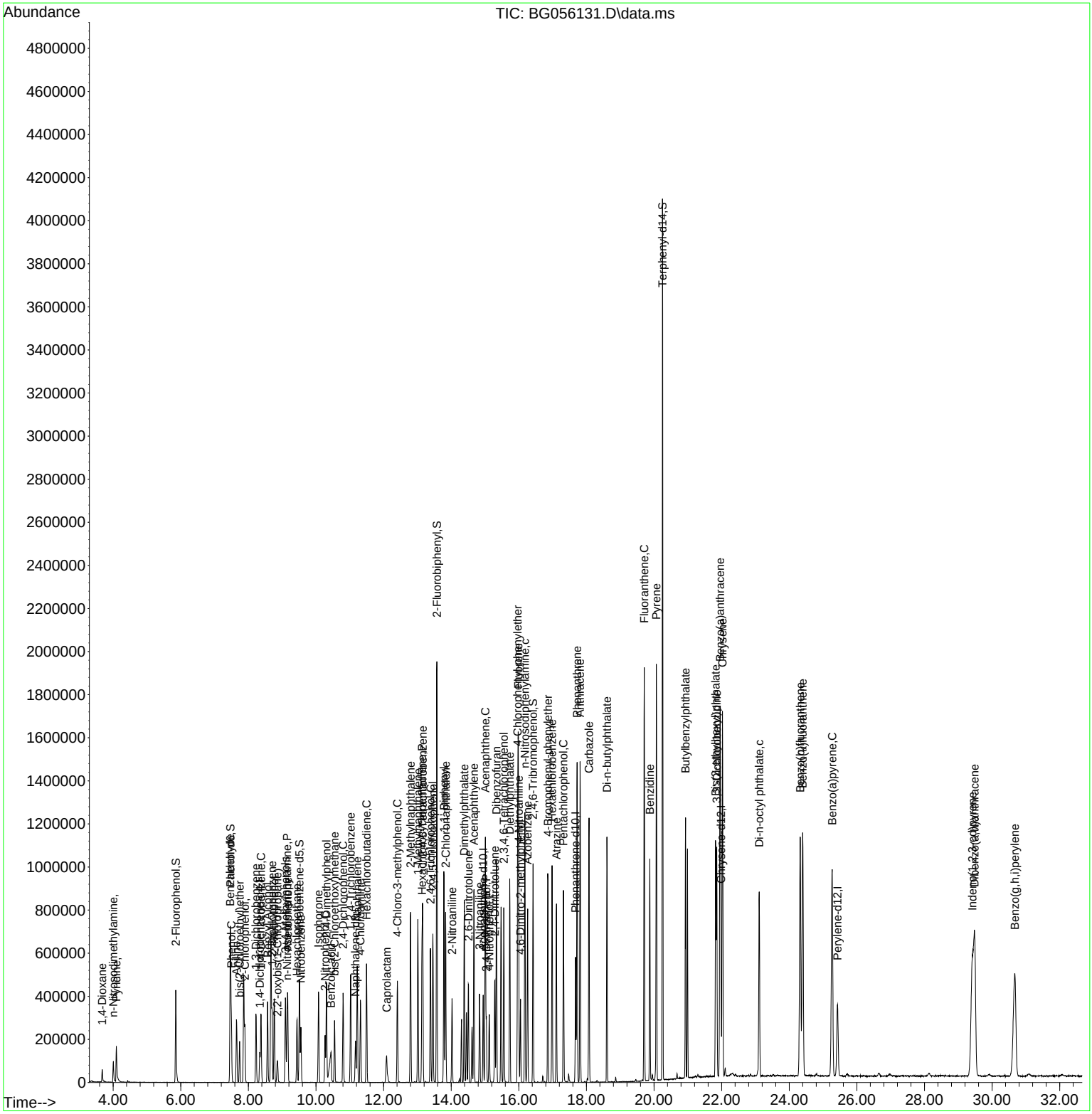
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056131.D
Acq On : 27 Dec 2022 18:21
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

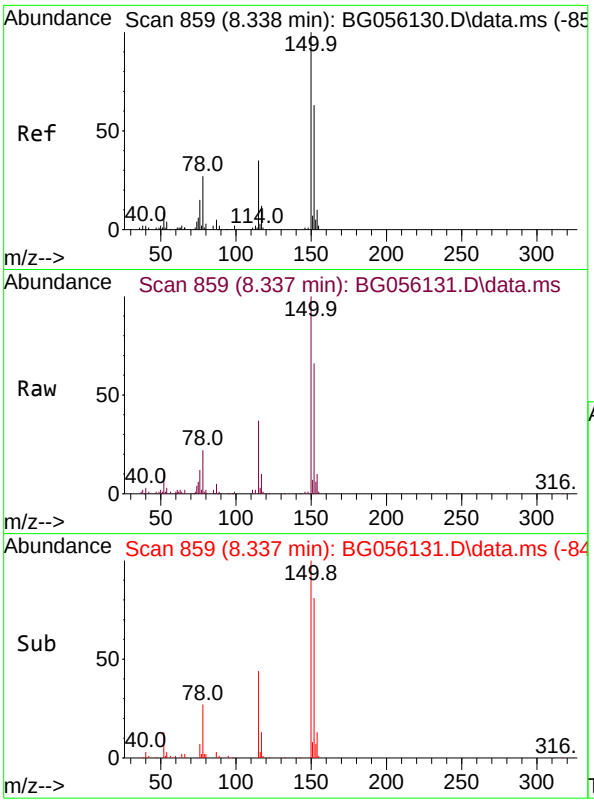
Quant Time: Dec 28 04:55:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

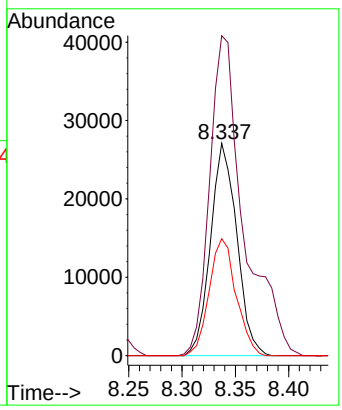




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.337 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:152 Resp: 4647

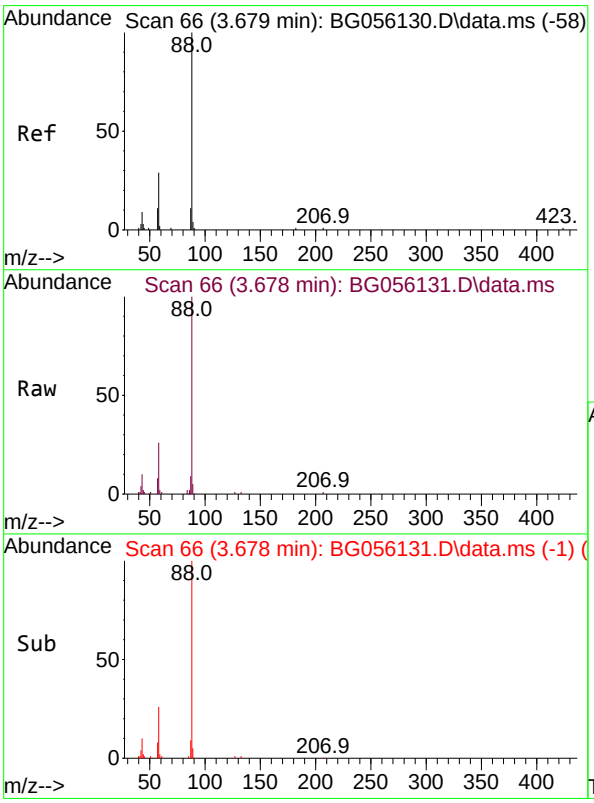
Ion	Ratio	Lower	Upper
152	100		
150	150.7	127.9	191.9
115	55.0	44.2	66.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

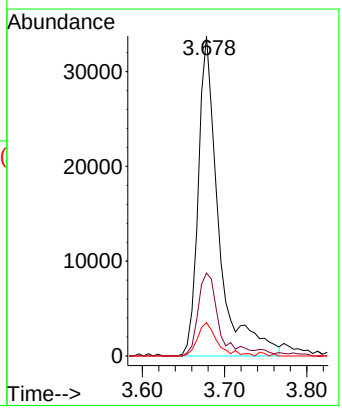
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

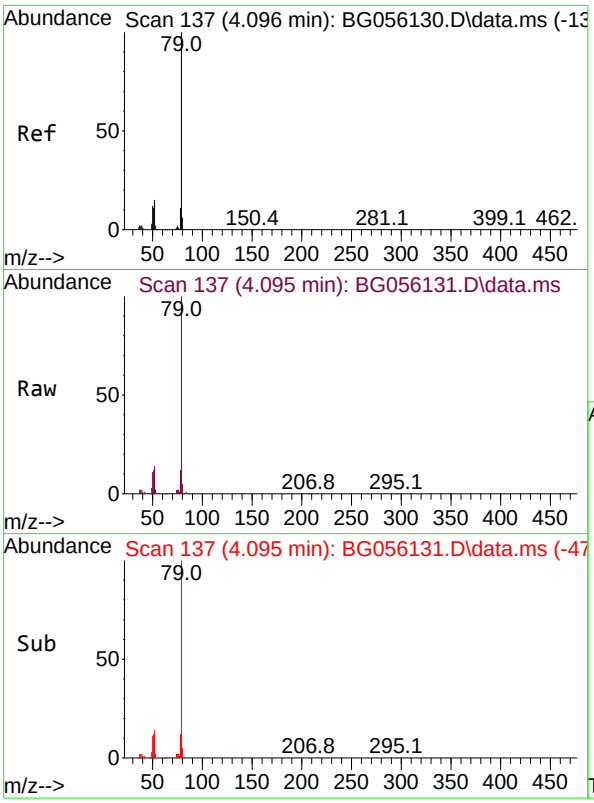


#2
1,4-Dioxane
Concen: 101.086 ng m
RT: 3.678 min Scan# 66
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 88 Resp: 58297

Ion	Ratio	Lower	Upper
88	100		
58	26.0	21.4	32.0
43	9.9	7.1	10.7

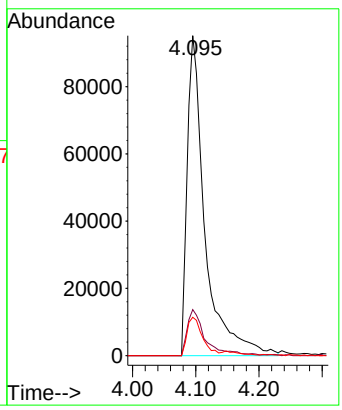




#3
Pyridine
Concen: 97.908 ng
RT: 4.095 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 79 Resp: 18582

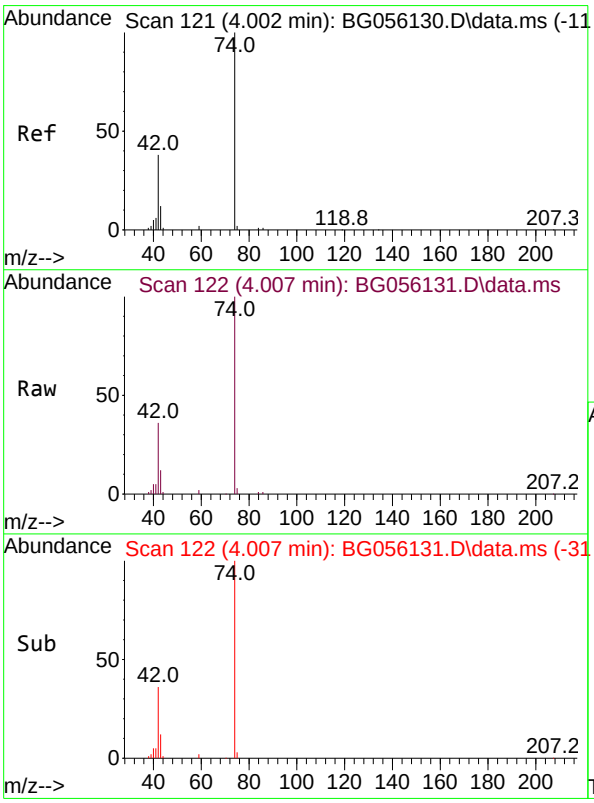
Ion	Ratio	Lower	Upper
79	100		
52	14.4	11.8	17.6
51	12.0	8.8	13.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

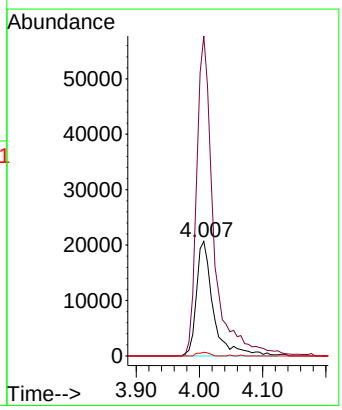
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

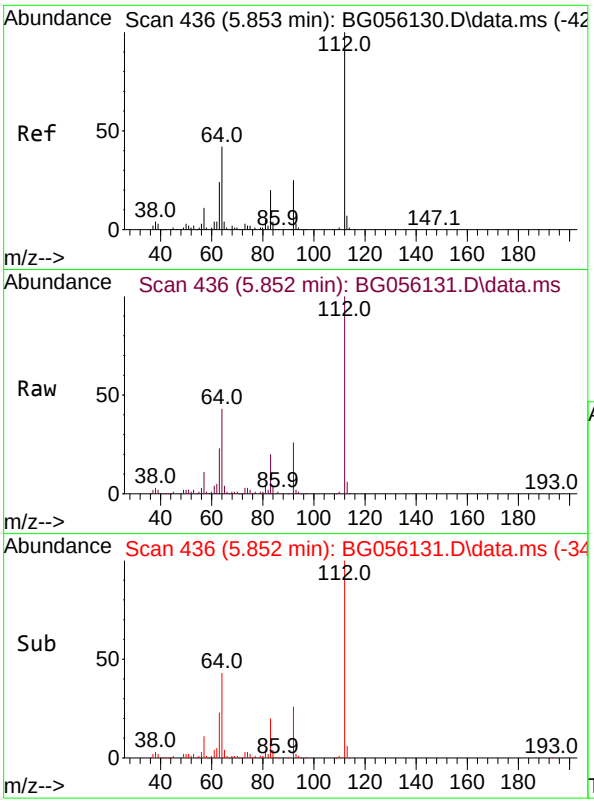


#4
n-Nitrosodimethylamine
Concen: 22.558 ng
RT: 4.007 min Scan# 122
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 42 Resp: 38486

Ion	Ratio	Lower	Upper
42	100		
74	279.4	212.6	319.0
44	3.1	2.6	3.8

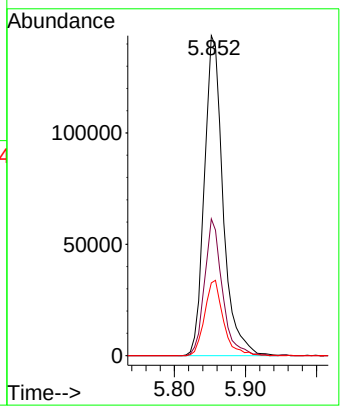




#5
2-Fluorophenol
Concen: 132.254 ng
RT: 5.852 min Scan# 4
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:112 Resp: 26208

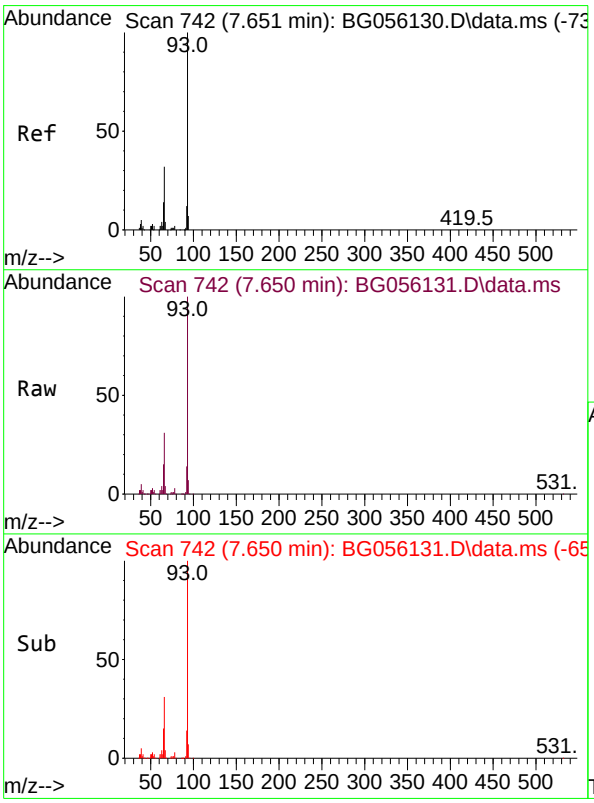
Ion	Ratio	Lower	Upper
112	100		
64	42.7	33.3	49.9
63	22.7	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

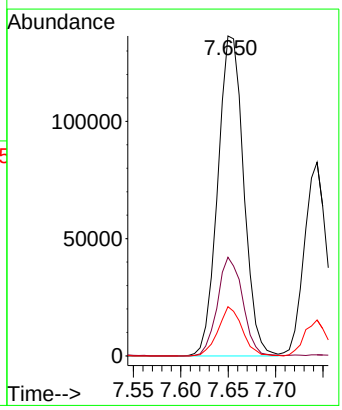
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

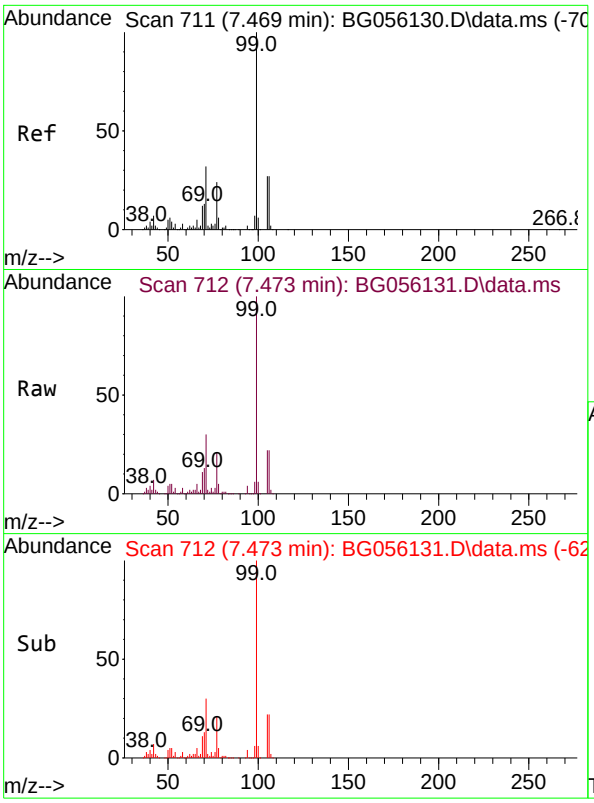


#6
Aniline
Concen: 84.821 ng
RT: 7.650 min Scan# 742
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 93 Resp: 258834

Ion	Ratio	Lower	Upper
93	100		
66	30.8	25.4	38.2
65	15.4	11.4	17.2

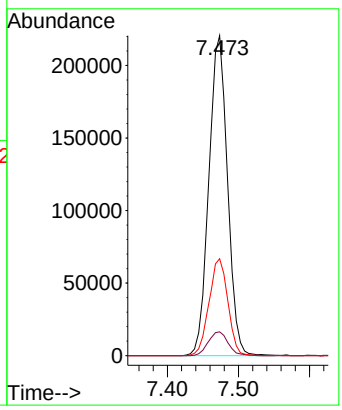




#7
Phenol-d6
Concen: 157.605 ng
RT: 7.473 min Scan# 7
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 99 Resp: 40169

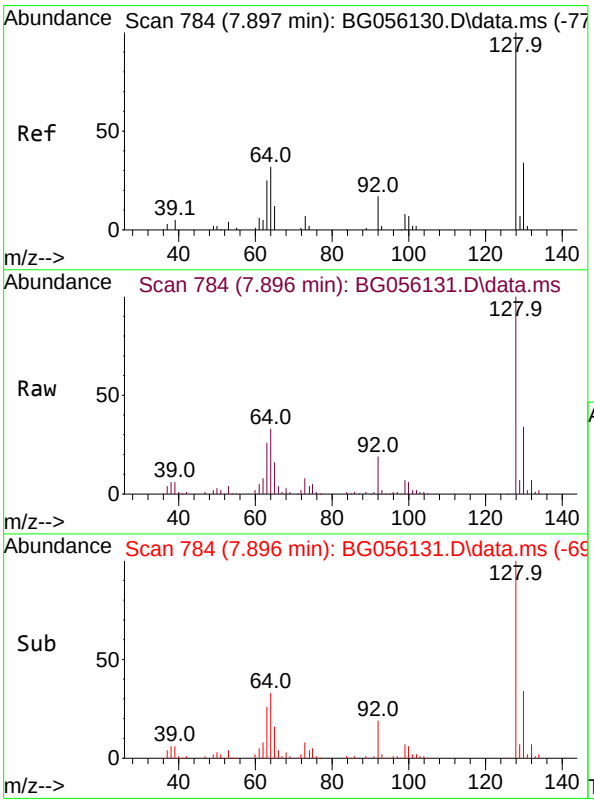
Ion	Ratio	Lower	Upper
99	100		
42	7.4	5.9	8.9
71	30.3	25.4	38.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

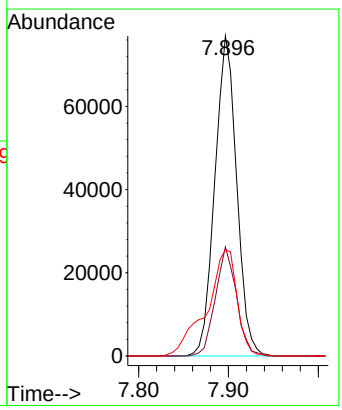
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

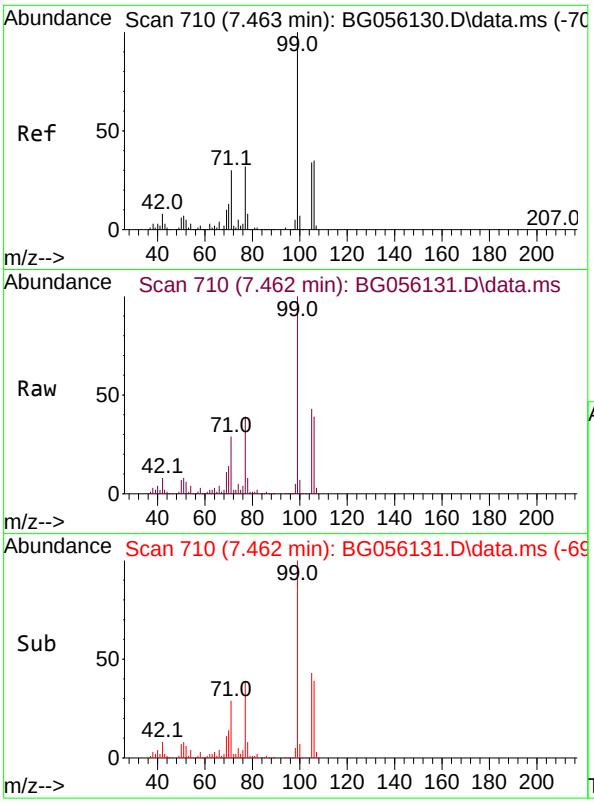


#8
2-Chlorophenol
Concen: 50.860 ng
RT: 7.896 min Scan# 784
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:128 Resp: 130031

Ion	Ratio	Lower	Upper
128	100		
130	34.1	13.5	53.5
64	33.2	18.0	58.0

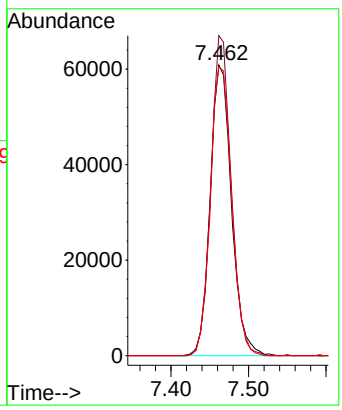




#9
Benzaldehyde
Concen: 72.368 ng
RT: 7.462 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 77 Resp: 11583

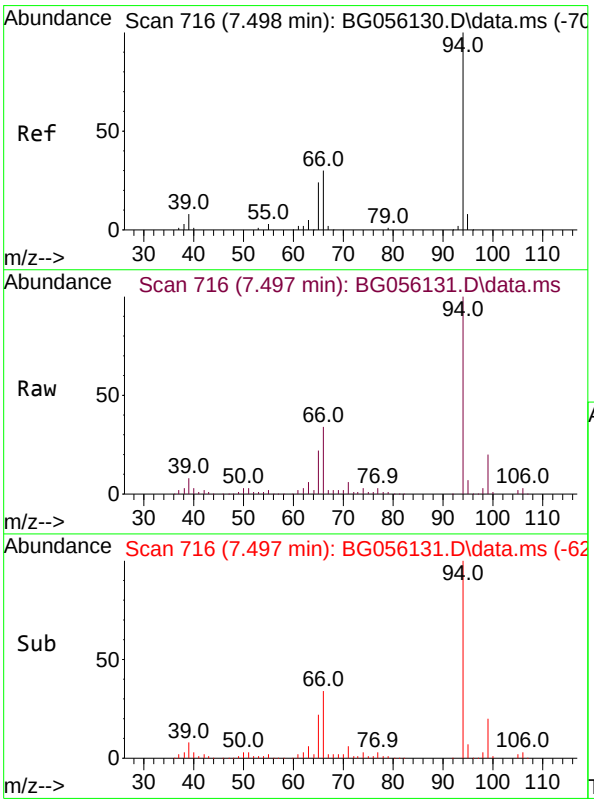
Ion	Ratio	Lower	Upper
77	100		
105	110.1	86.8	126.8
106	99.4	89.3	129.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

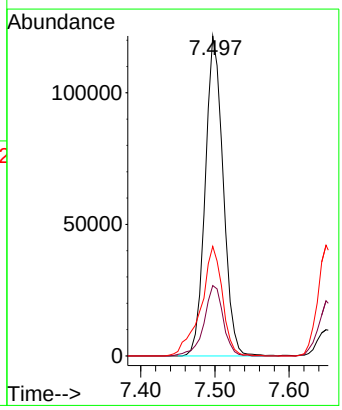
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

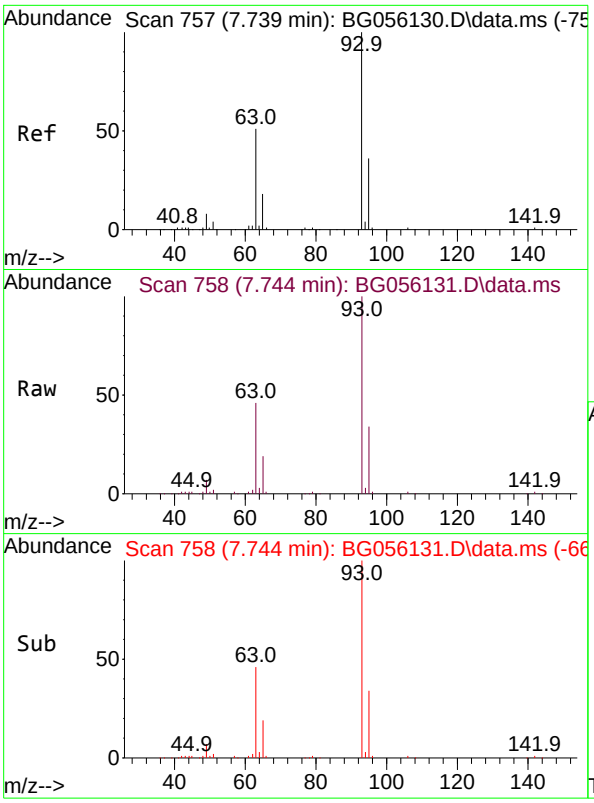


#10
Phenol
Concen: 73.147 ng
RT: 7.497 min Scan# 716
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 94 Resp: 204038

Ion	Ratio	Lower	Upper
94	100		
65	22.0	4.3	44.3
66	34.2	13.2	53.2

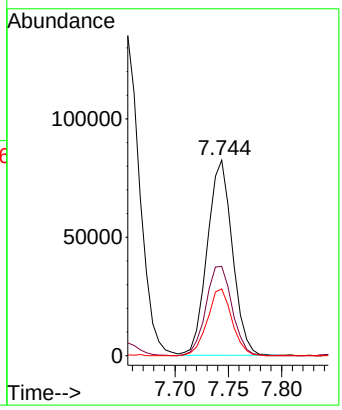




#11
bis(2-Chloroethyl)ether
Concen: 74.278 ng
RT: 7.744 min Scan# 7
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 93 Resp: 13496

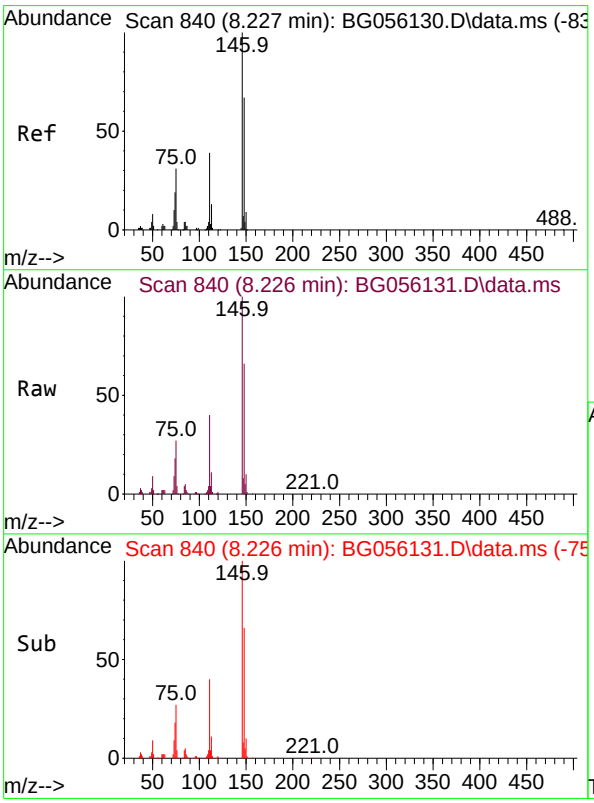
Ion	Ratio	Lower	Upper
93	100		
63	45.6	30.5	70.5
95	34.1	15.9	55.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

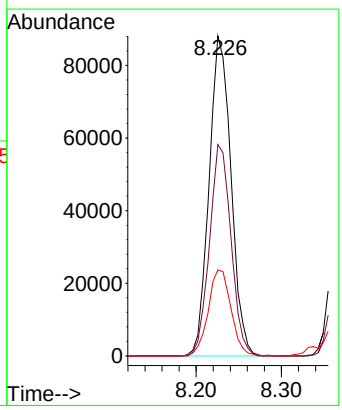
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

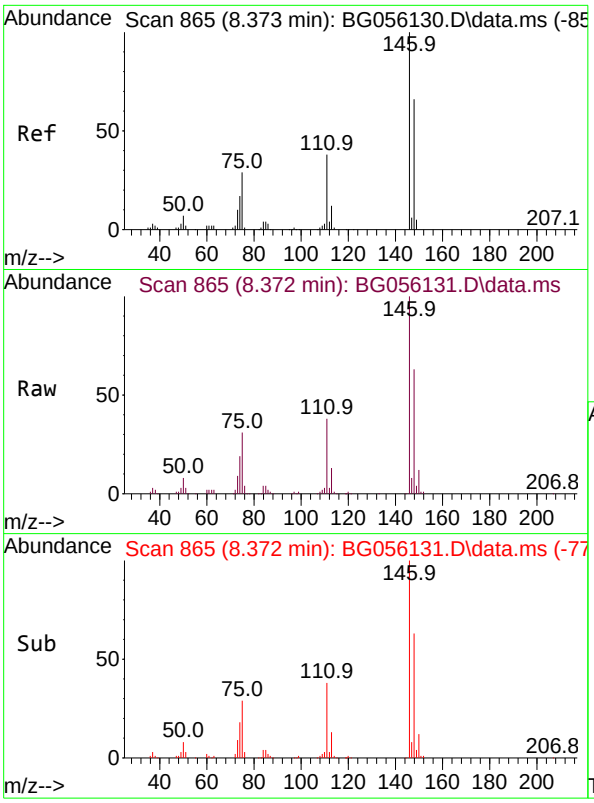


#12
1,3-Dichlorobenzene
Concen: 47.535 ng
RT: 8.226 min Scan# 840
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:146 Resp: 157209

Ion	Ratio	Lower	Upper
146	100		
148	66.0	53.5	80.3
75	26.9	24.8	37.2

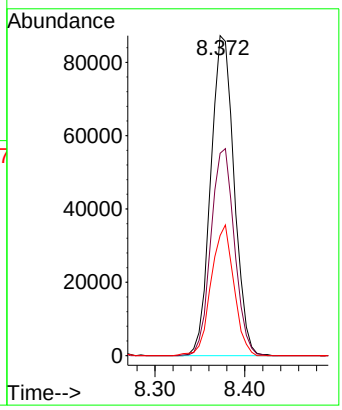




#13
1,4-Dichlorobenzene
Concen: 46.813 ng
RT: 8.372 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:146 Resp: 15822

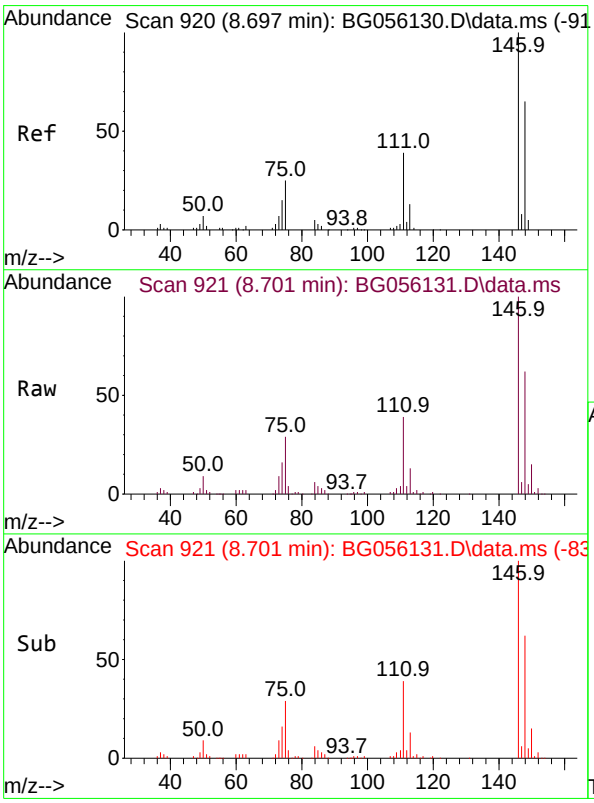
Ion	Ratio	Lower	Upper
146	100		
148	63.2	52.8	79.2
111	37.5	30.5	45.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

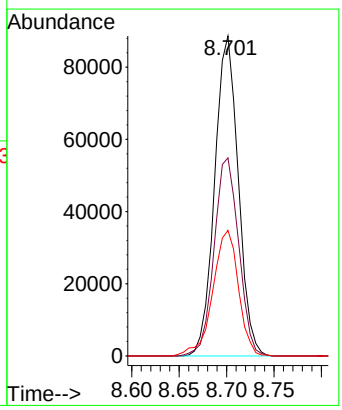
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

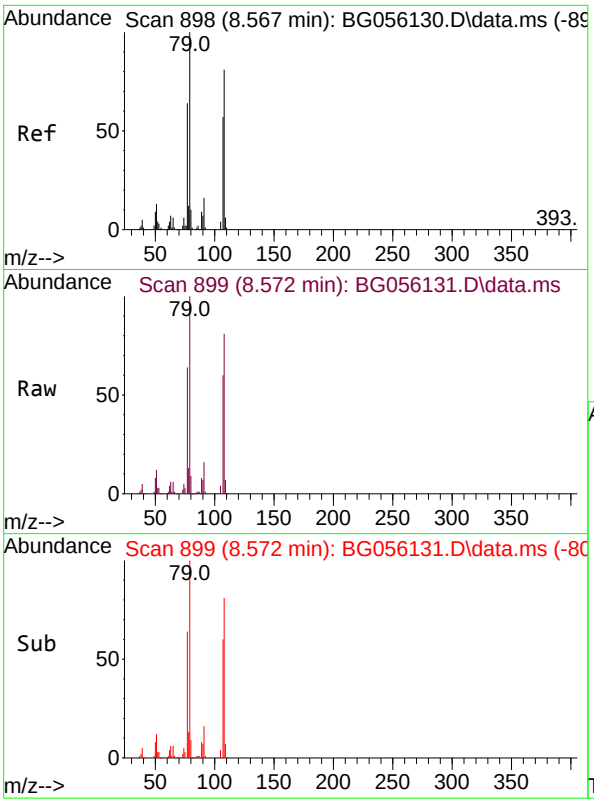


#14
1,2-Dichlorobenzene
Concen: 47.527 ng
RT: 8.701 min Scan# 921
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:146 Resp: 153518

Ion	Ratio	Lower	Upper
146	100		
148	61.9	51.7	77.5
111	39.2	31.5	47.3





#15
Benzyl Alcohol
Concen: 55.628 ng
RT: 8.572 min Scan# 89
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

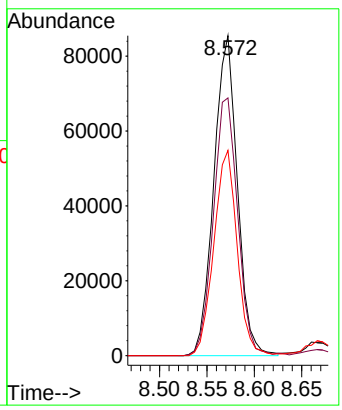
Tgt Ion: 79 Resp: 14732

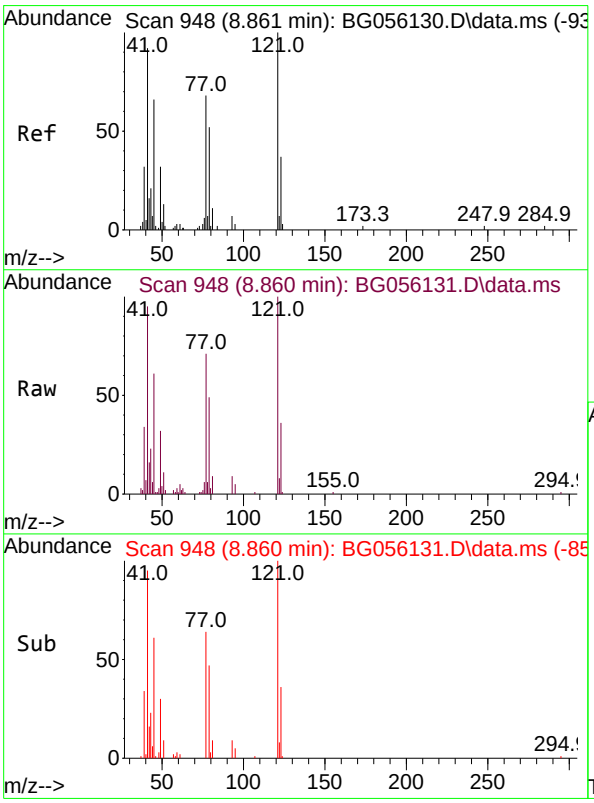
Ion	Ratio	Lower	Upper
79	100		
108	80.5	64.7	97.1
77	64.1	51.5	77.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

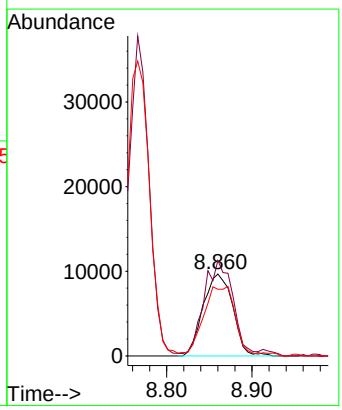


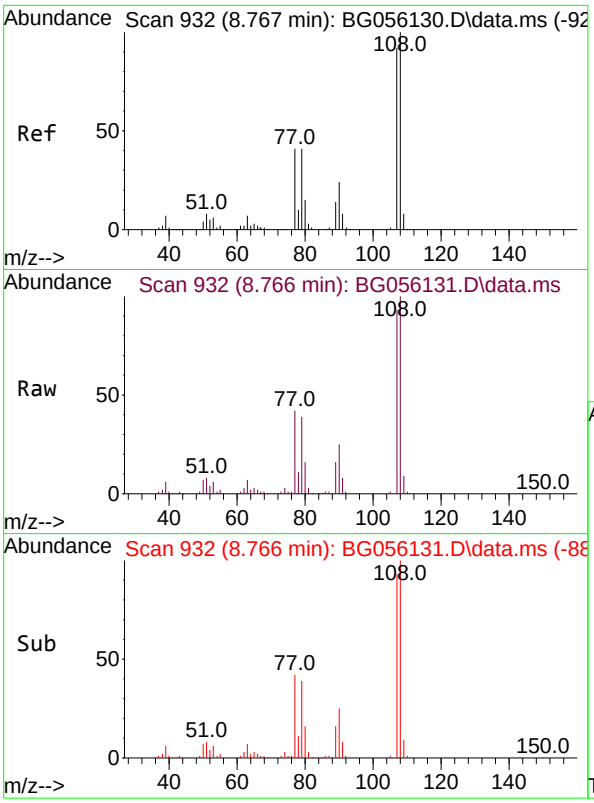


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.861 ng
RT: 8.860 min Scan# 948
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 45 Resp: 23320

Ion	Ratio	Lower	Upper
45	100		
77	116.6	88.2	128.2
79	81.3	61.2	101.2

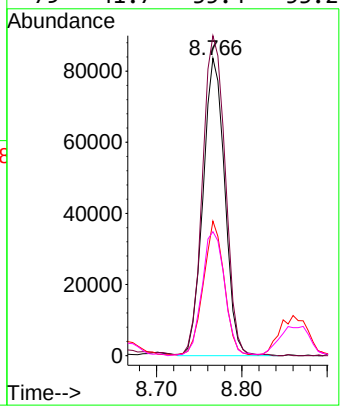




#17
2-Methylphenol
Concen: 67.496 ng
RT: 8.766 min Scan# 9
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:107 Resp: 14813

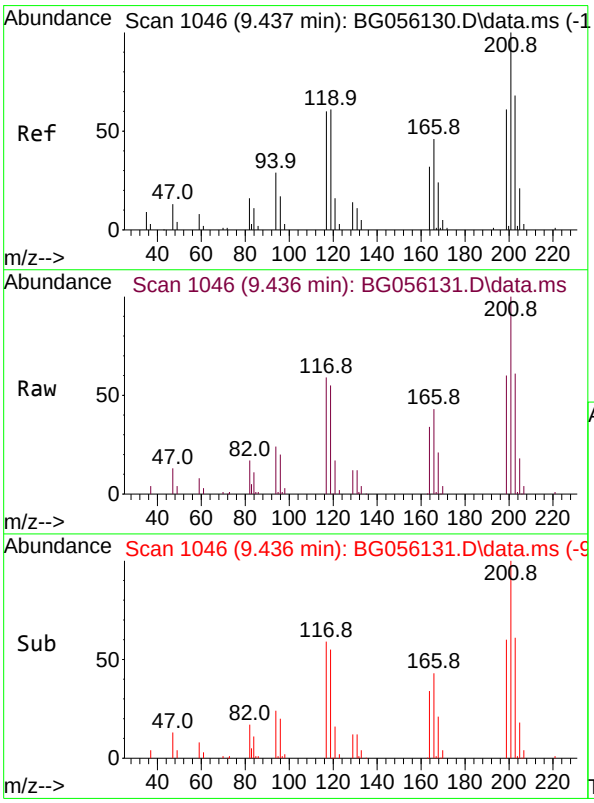
Ion	Ratio	Lower	Upper
107	100		
108	107.6	86.6	129.8
77	45.2	35.4	53.2
79	41.7	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

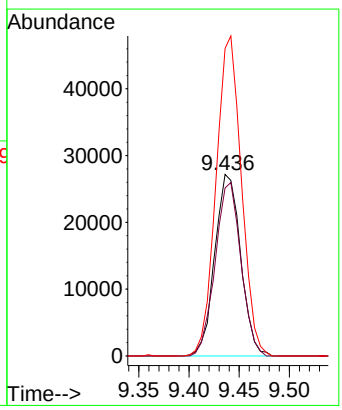
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

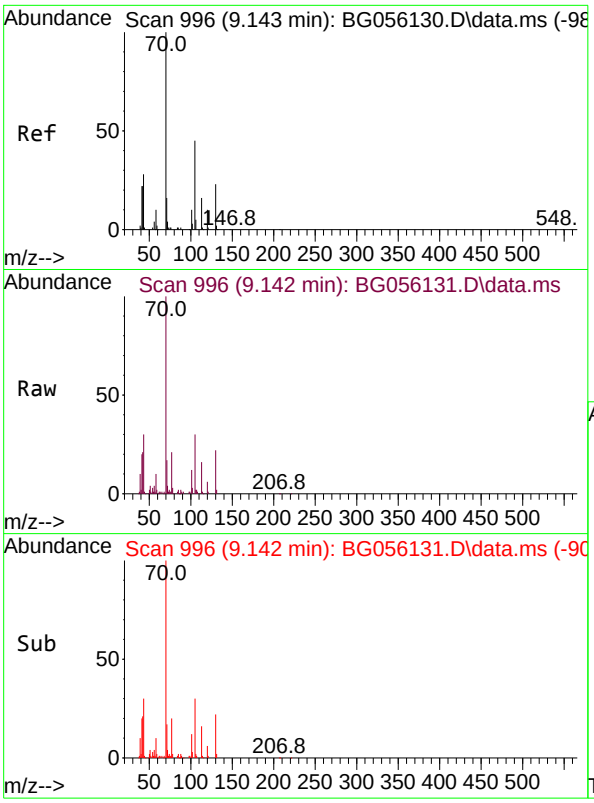


#18
Hexachloroethane
Concen: 47.541 ng
RT: 9.436 min Scan# 1046
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:117 Resp: 48775

Ion	Ratio	Lower	Upper
117	100		
119	93.4	81.8	122.6
201	169.5	134.2	201.2

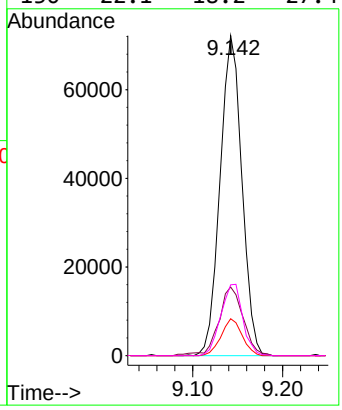




#19
n-Nitroso-di-n-propylamine
Concen: 66.821 ng
RT: 9.142 min Scan# 99
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 70 Resp: 12207

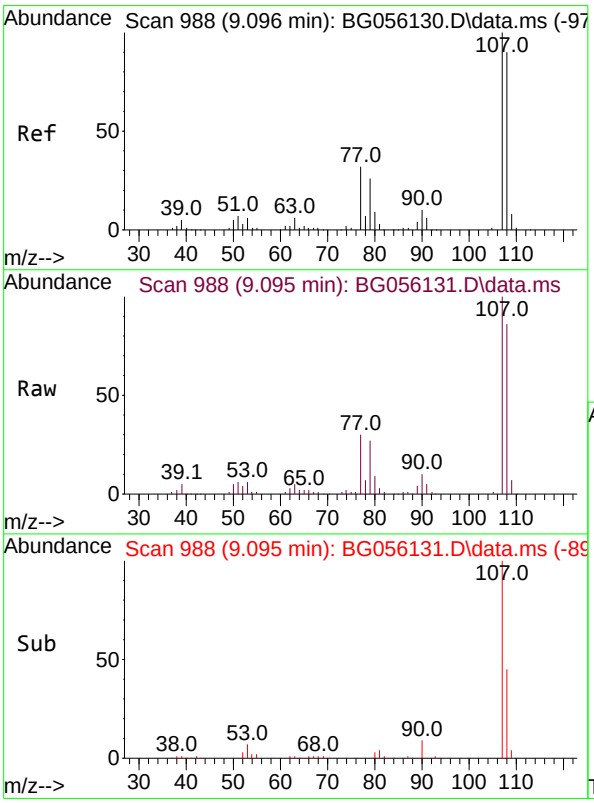
Ion	Ratio	Lower	Upper
70	100		
42	21.4	18.2	27.2
101	11.5	8.3	12.5
130	22.1	18.2	27.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

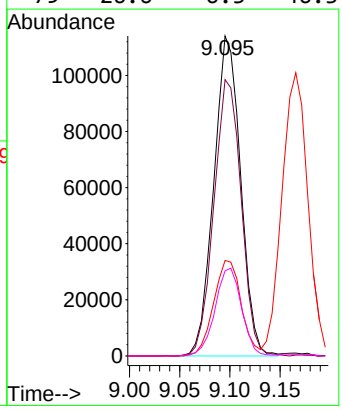
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

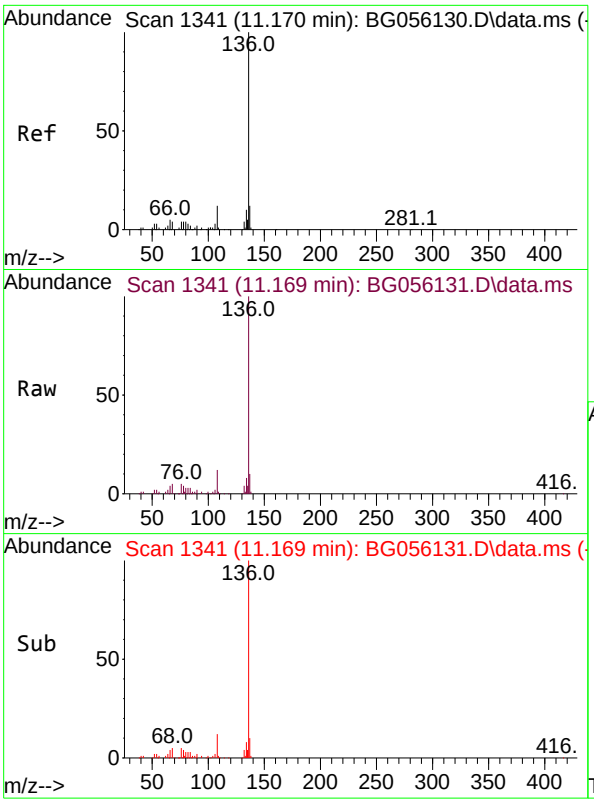


#20
3+4-Methylphenols
Concen: 67.692 ng
RT: 9.095 min Scan# 988
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:107 Resp: 212007

Ion	Ratio	Lower	Upper
107	100		
108	86.3	69.6	109.6
77	29.8	11.7	51.7
79	26.6	6.3	46.3

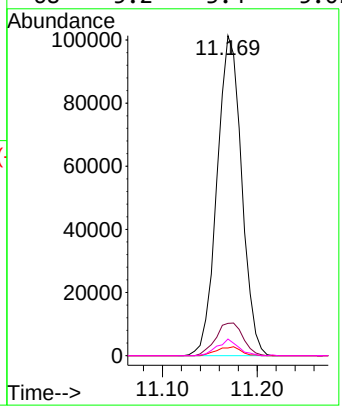




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.169 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:136 Resp: 18251

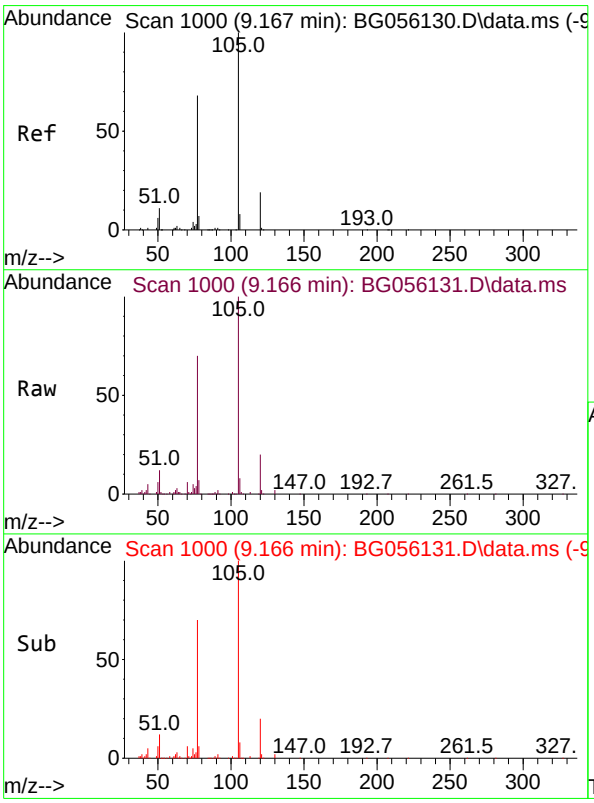
Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.4	14.0
54	2.4	2.2	3.2
68	5.2	3.4	5.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

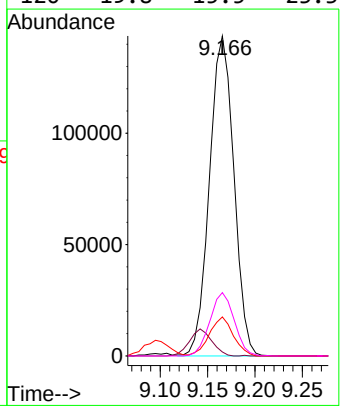
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

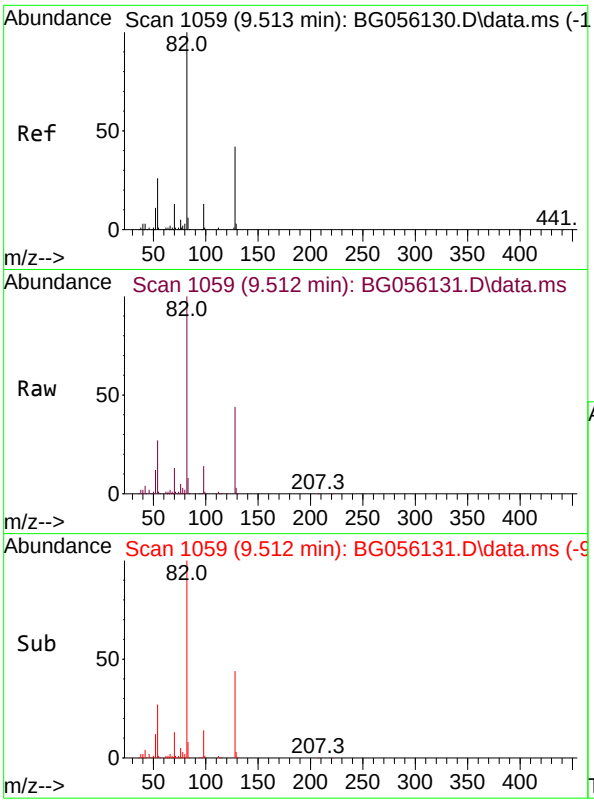


#22
Acetophenone
Concen: 56.923 ng
RT: 9.166 min Scan# 1000
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:105 Resp: 257545

Ion	Ratio	Lower	Upper
105	100		
71	1.2	0.5	0.7#
51	12.2	9.3	13.9
120	19.8	15.5	23.3

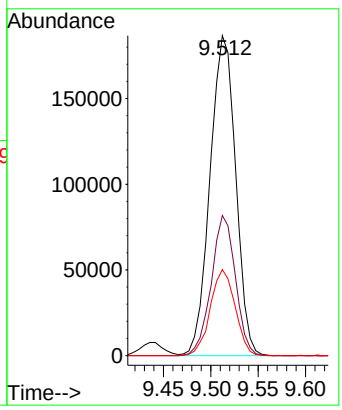




#23
Nitrobenzene-d5
Concen: 134.712 ng
RT: 9.512 min Scan# 10
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 82 Resp: 351834

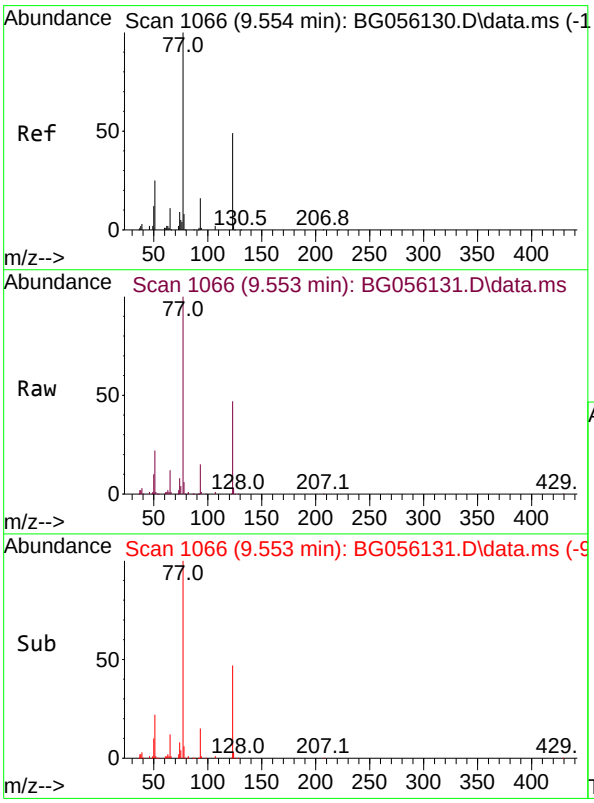
Ion	Ratio	Lower	Upper
82	100		
128	43.8	33.4	50.2
54	26.9	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

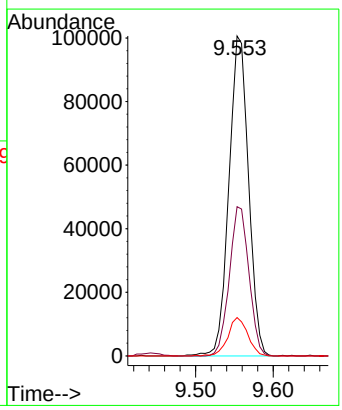
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

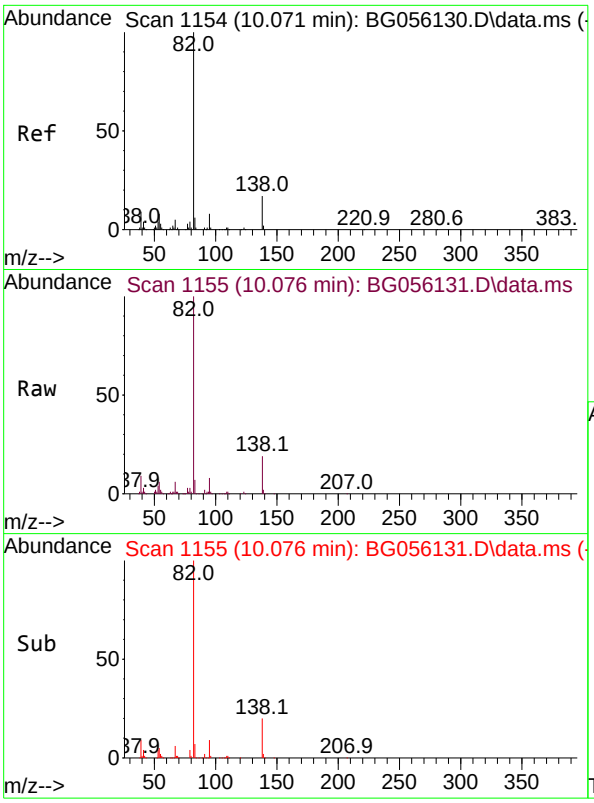


#24
Nitrobenzene
Concen: 67.136 ng
RT: 9.553 min Scan# 1066
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 77 Resp: 176491

Ion	Ratio	Lower	Upper
77	100		
123	46.6	38.8	58.2
65	12.0	9.1	13.7

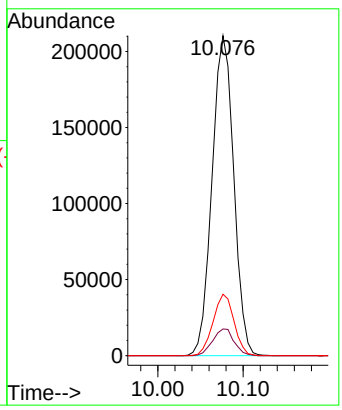




#25
Isophorone
Concen: 67.827 ng
RT: 10.076 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 82 Resp: 37146

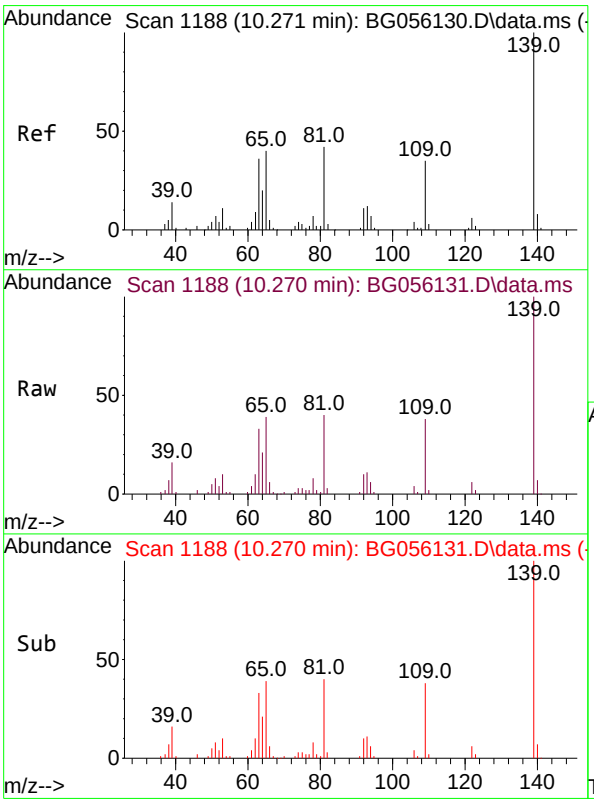
Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.7	10.1
138	19.2	13.7	20.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

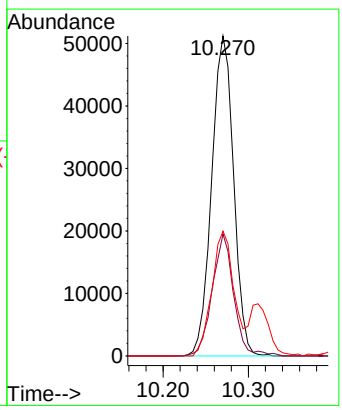
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

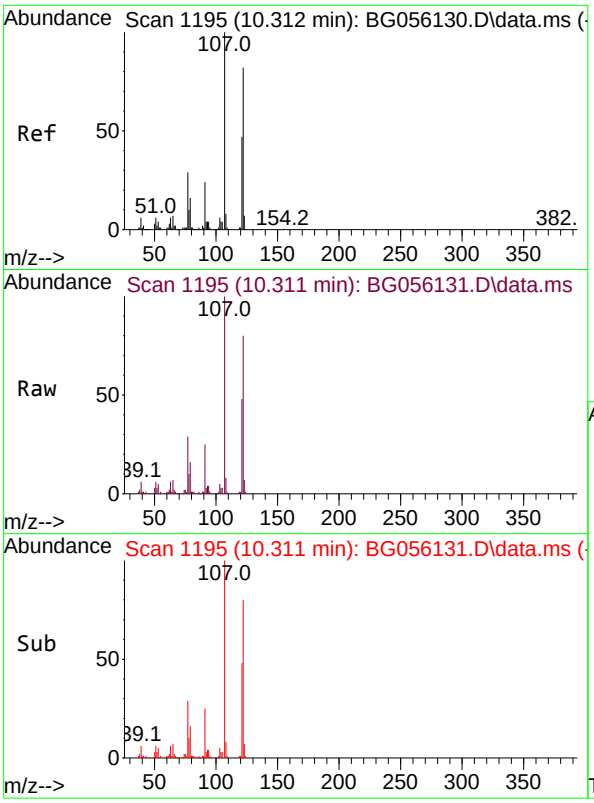


#26
2-Nitrophenol
Concen: 58.715 ng
RT: 10.270 min Scan# 1188
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:139 Resp: 91375

Ion	Ratio	Lower	Upper
139	100		
109	38.1	28.4	42.6
65	39.0	32.1	48.1

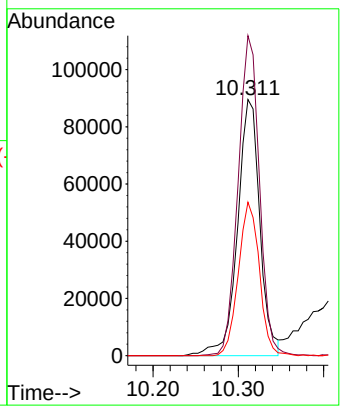




#27
2,4-Dimethylphenol
Concen: 62.237 ng
RT: 10.311 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:122 Resp: 16266

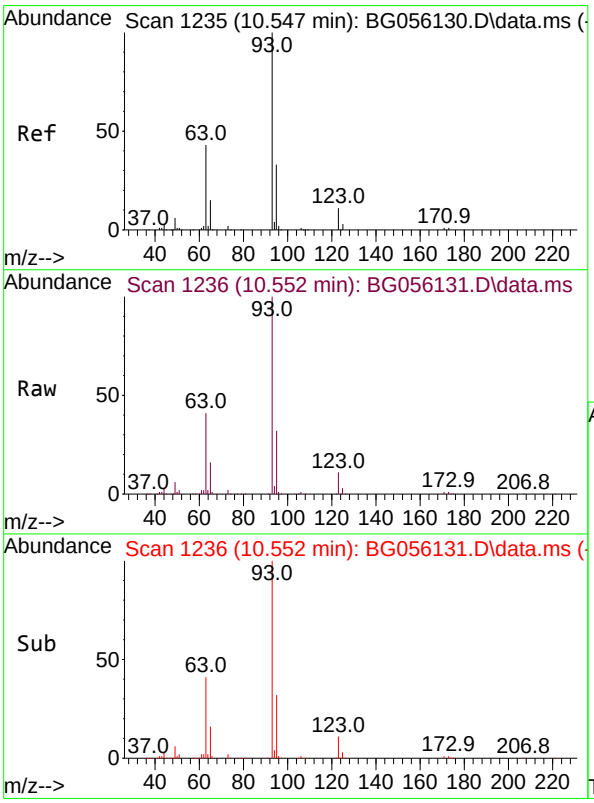
Ion	Ratio	Lower	Upper
122	100		
107	124.9	97.5	146.3
121	59.9	45.9	68.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

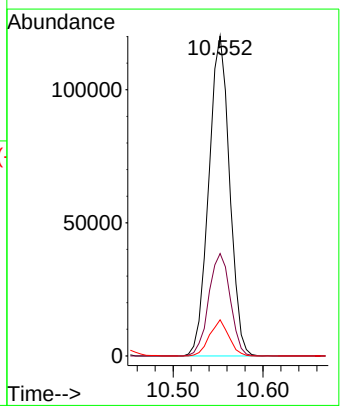
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

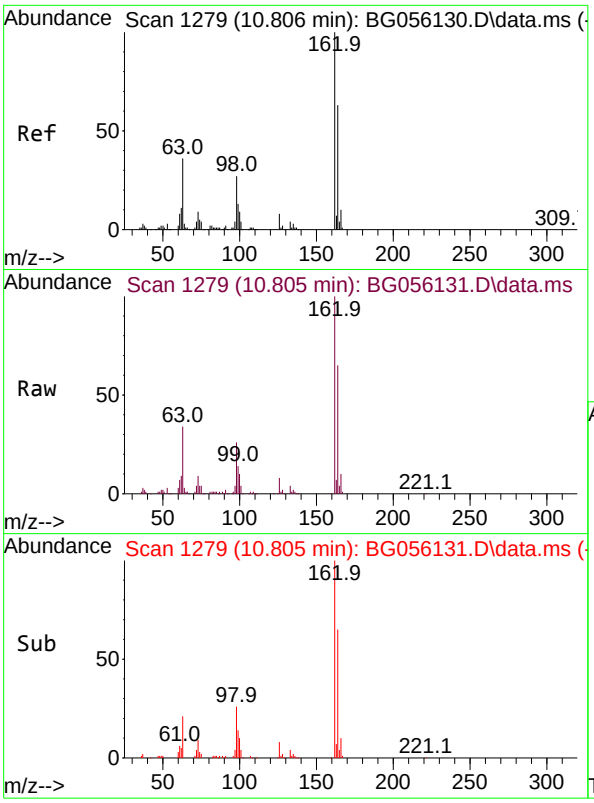


#28
bis(2-Chloroethoxy)methane
Concen: 79.882 ng
RT: 10.552 min Scan# 1236
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 93 Resp: 193351

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.2	39.2
123	11.3	9.0	13.6

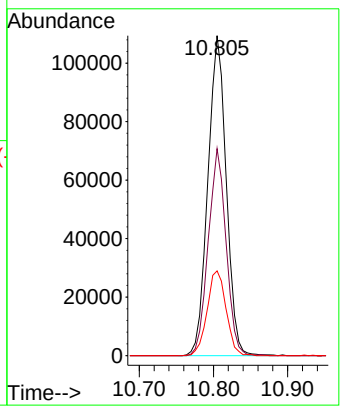




#29
2,4-Dichlorophenol
Concen: 50.768 ng
RT: 10.805 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:162 Resp: 18833

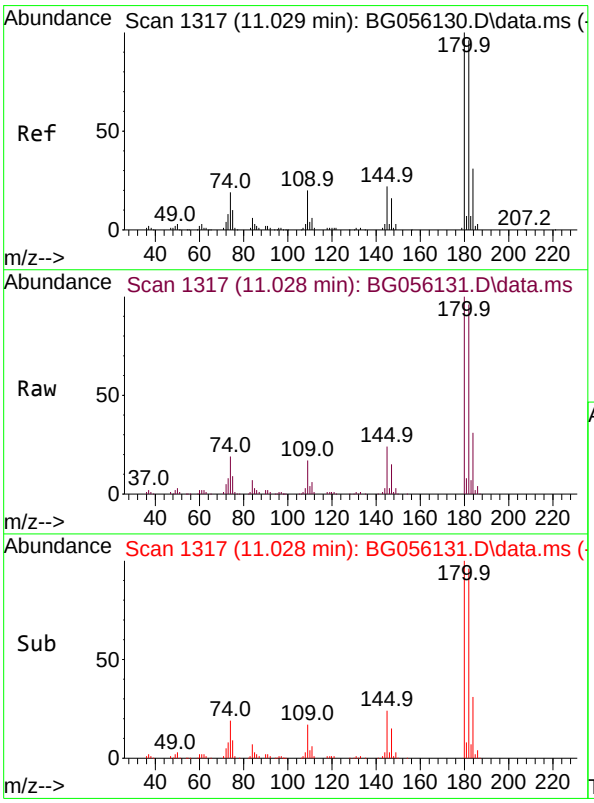
Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.3	83.3
98	26.5	6.8	46.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

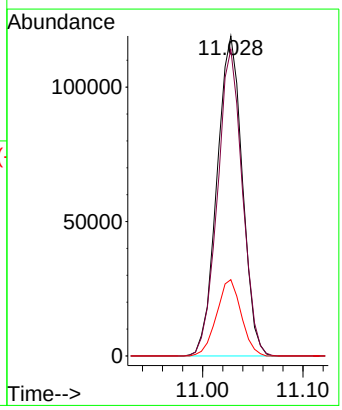
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

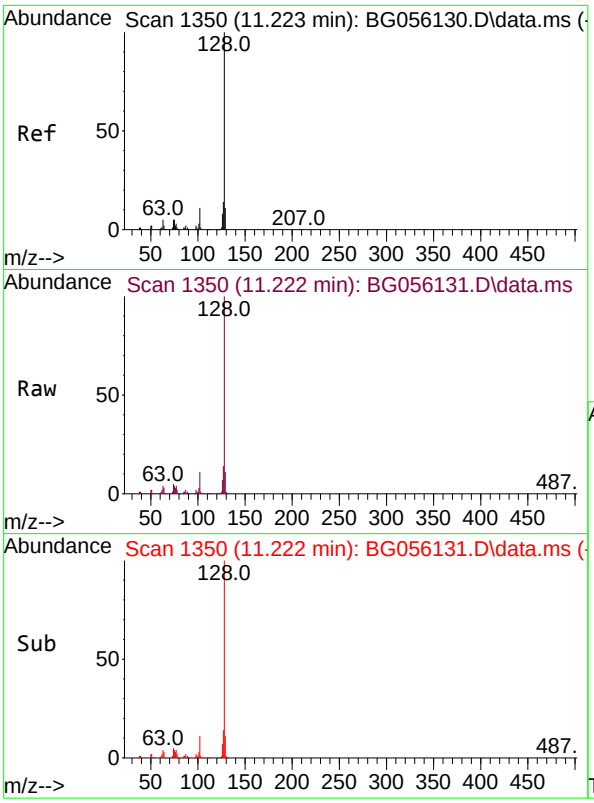


#30
1,2,4-Trichlorobenzene
Concen: 43.275 ng
RT: 11.028 min Scan# 1317
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:180 Resp: 208686

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.4
145	23.8	17.4	26.2

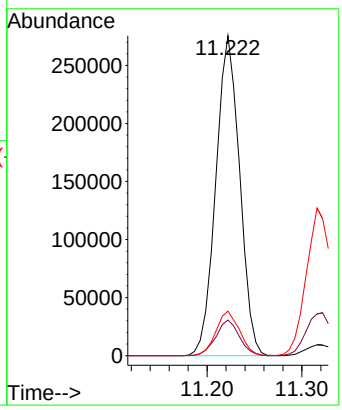




#31
Naphthalene
Concen: 49.994 ng
RT: 11.222 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:128 Resp: 48146

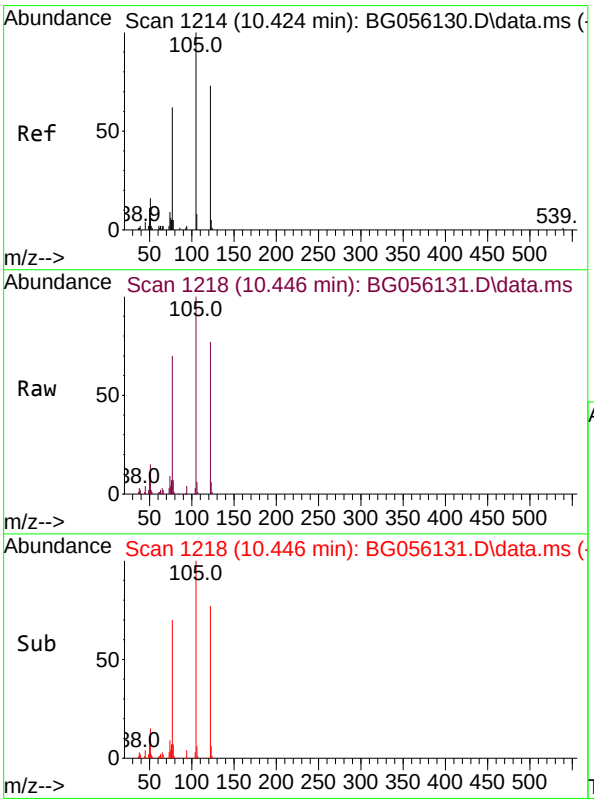
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.9	11.2	16.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

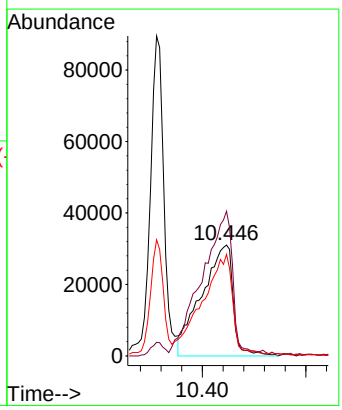
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

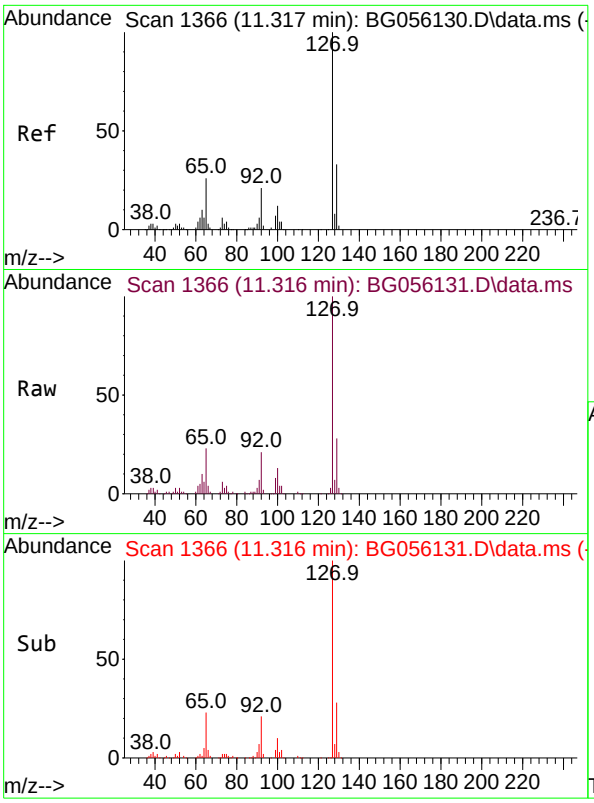


#32
Benzoic acid
Concen: 65.067 ng
RT: 10.446 min Scan# 1218
Delta R.T. 0.022 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:122 Resp: 131189

Ion	Ratio	Lower	Upper
122	100		
105	130.7	109.0	149.0
77	91.7	63.1	103.1

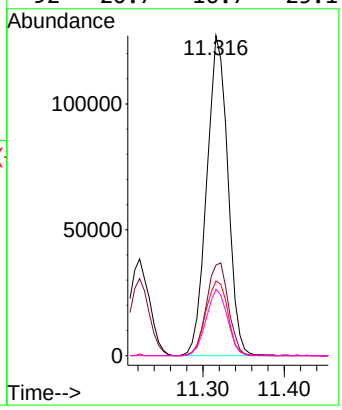




#33
4-Chloroaniline
Concen: 55.418 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:127 Resp: 22878

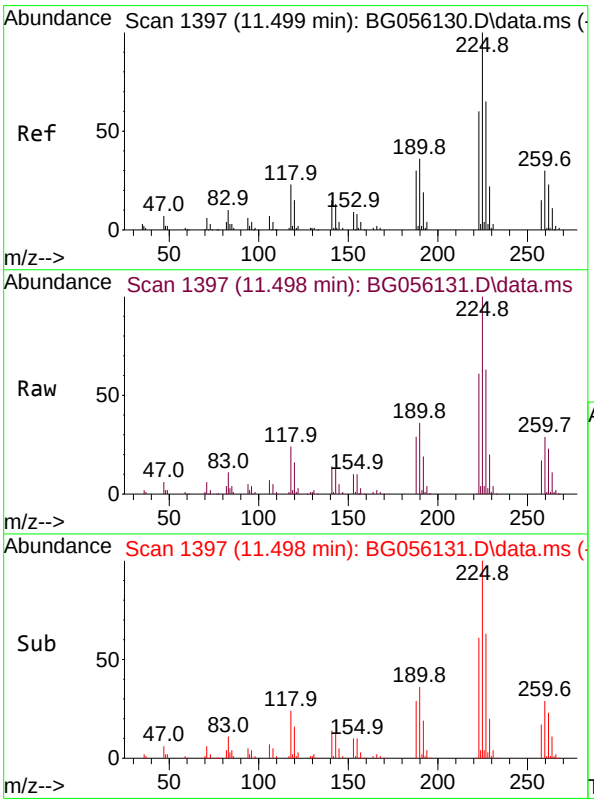
Ion	Ratio	Lower	Upper
127	100		
129	28.3	26.1	39.1
65	23.3	20.9	31.3
92	20.7	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

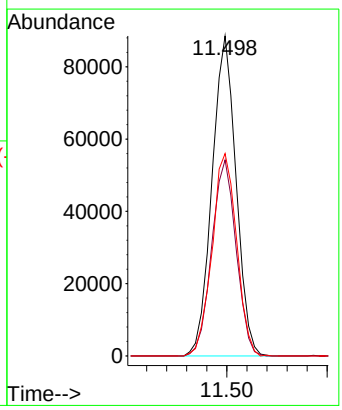
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

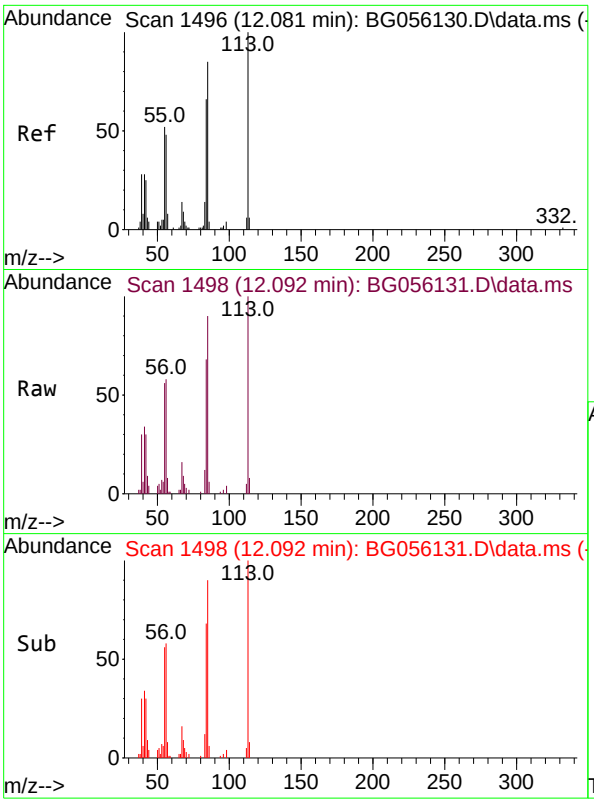


#34
Hexachlorobutadiene
Concen: 32.447 ng
RT: 11.498 min Scan# 1397
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:225 Resp: 147102

Ion	Ratio	Lower	Upper
225	100		
223	61.3	47.7	71.5
227	63.2	52.3	78.5





#35
Caprolactam
Concen: 57.210 ng
RT: 12.092 min Scan# 14
Delta R.T. 0.011 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

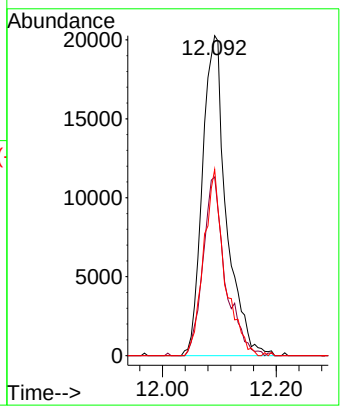
Tgt Ion:113 Resp: 5913

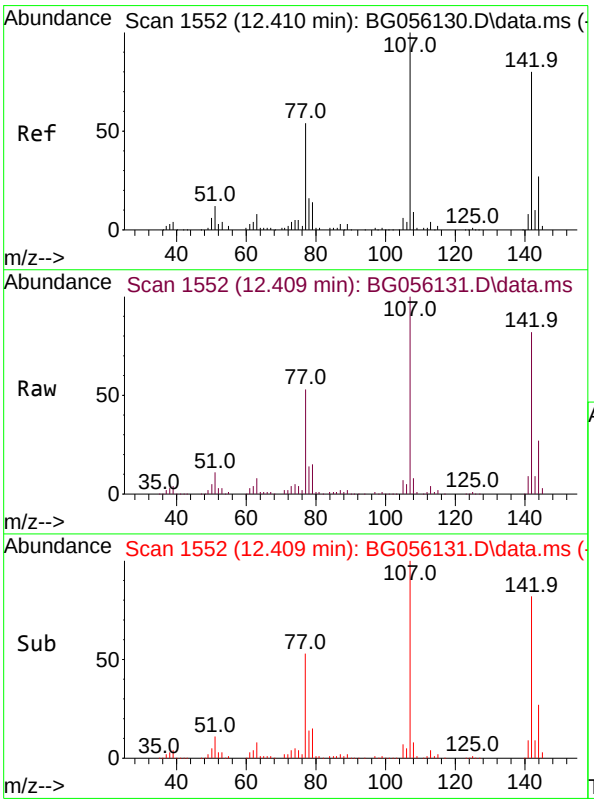
Ion	Ratio	Lower	Upper
113	100		
55	55.8	31.9	71.9
56	58.2	27.6	67.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

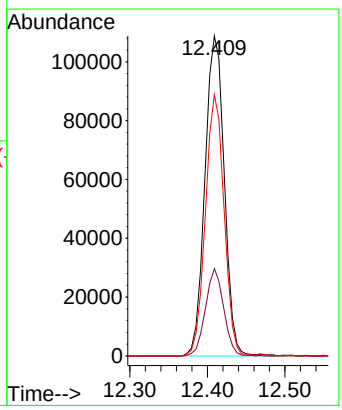


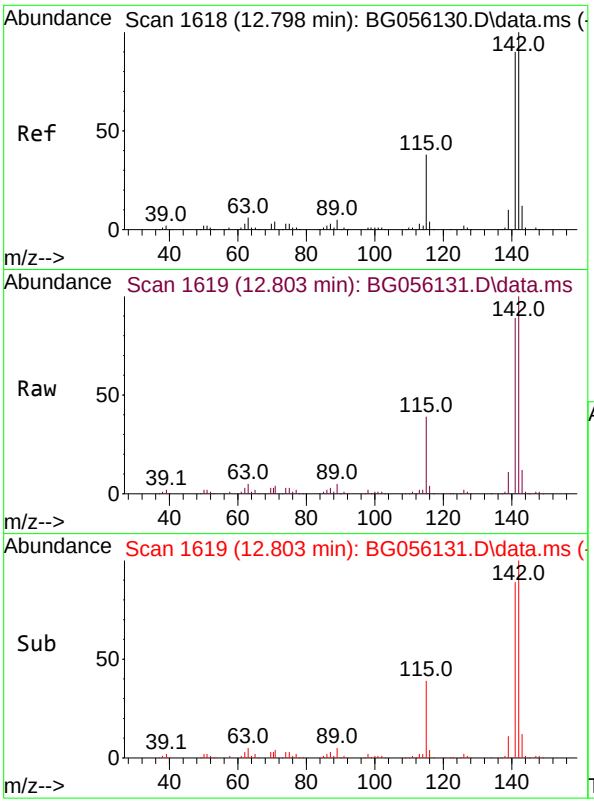


#36
4-Chloro-3-methylphenol
Concen: 54.204 ng
RT: 12.409 min Scan# 1552
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:107 Resp: 188549

Ion	Ratio	Lower	Upper
107	100		
144	27.3	21.5	32.3
142	81.6	63.8	95.6

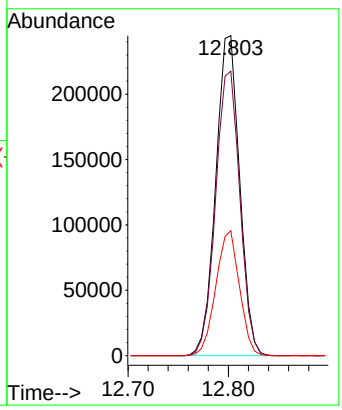




#37
2-Methylnaphthalene
Concen: 47.636 ng
RT: 12.803 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:142 Resp: 405300

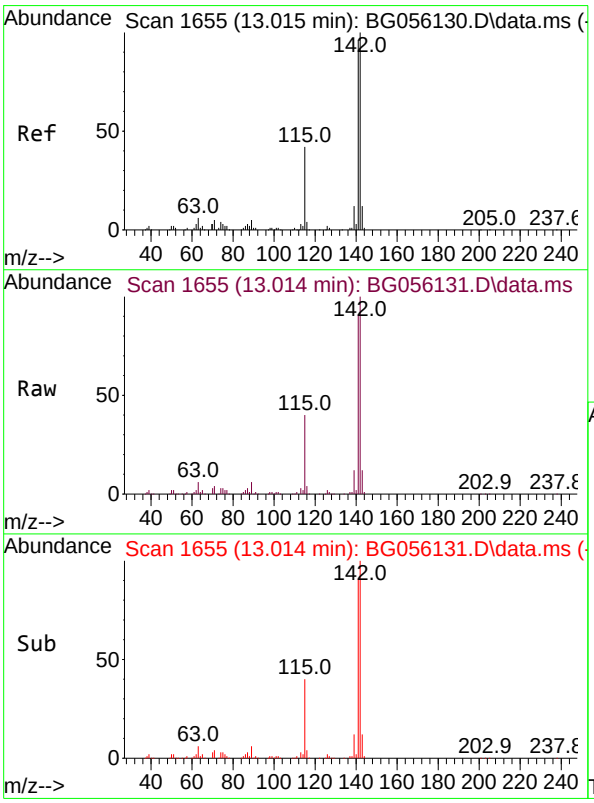
Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.2	108.4
115	39.0	30.7	46.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

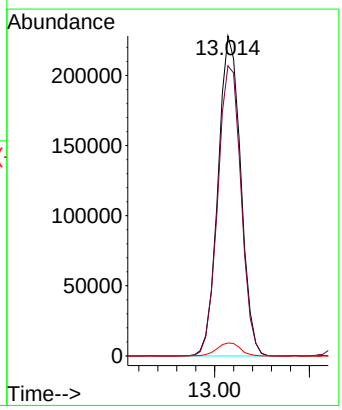
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

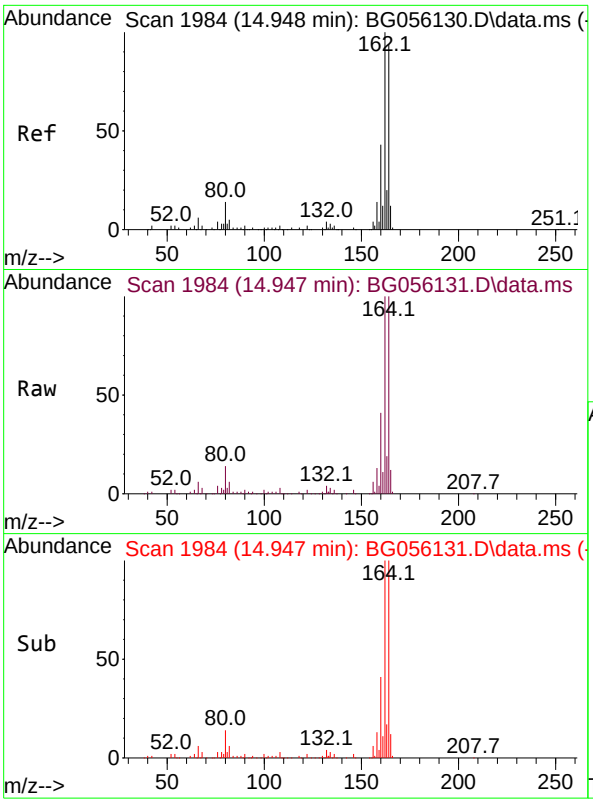


#38
1-Methylnaphthalene
Concen: 45.605 ng
RT: 13.014 min Scan# 1655
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:142 Resp: 378011

Ion	Ratio	Lower	Upper
142	100		
141	90.7	77.0	115.6
116	4.0	3.6	5.4

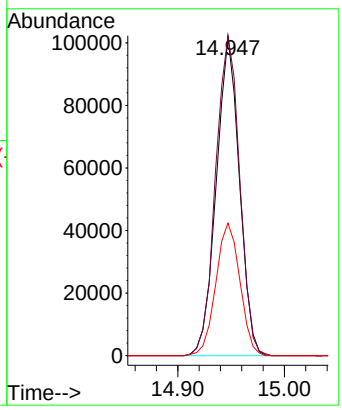




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.947 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:164 Resp: 153441

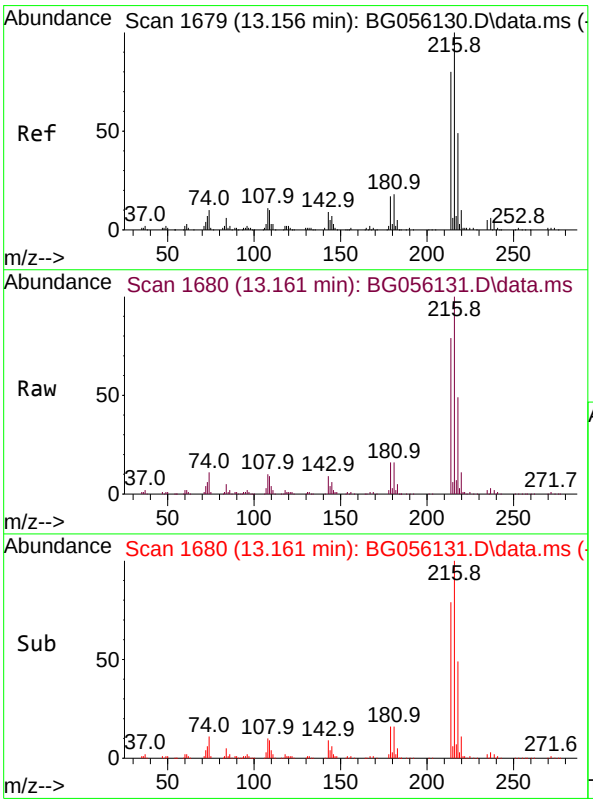
Ion	Ratio	Lower	Upper
164	100		
162	100.4	84.7	127.1
160	41.6	36.3	54.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

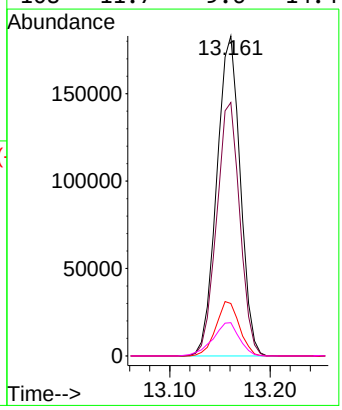
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

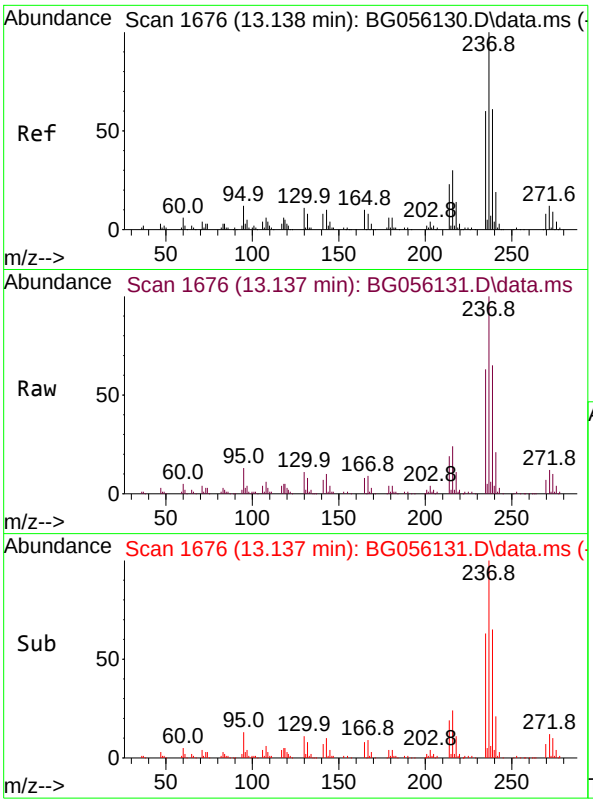


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.987 ng
RT: 13.161 min Scan# 1680
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:216 Resp: 297719

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.4	95.0
179	16.9	13.6	20.4
108	11.7	9.6	14.4

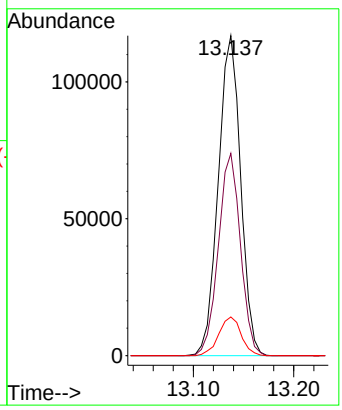




#41
Hexachlorocyclopentadiene
Concen: 49.314 ng
RT: 13.137 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:237 Resp: 18111

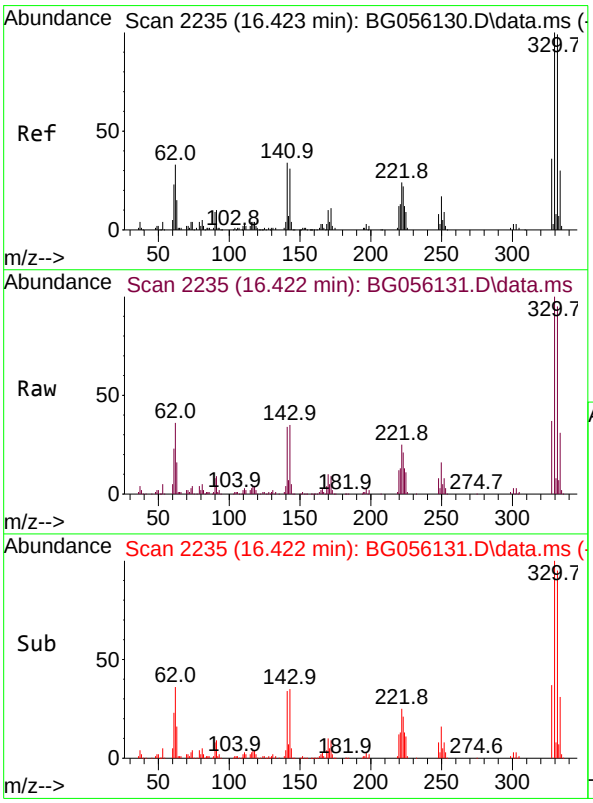
Ion	Ratio	Lower	Upper
237	100		
235	63.2	40.3	80.3
272	12.1	0.0	32.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

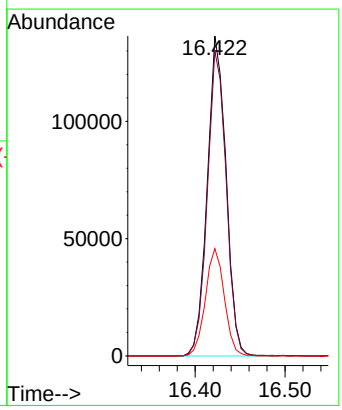
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

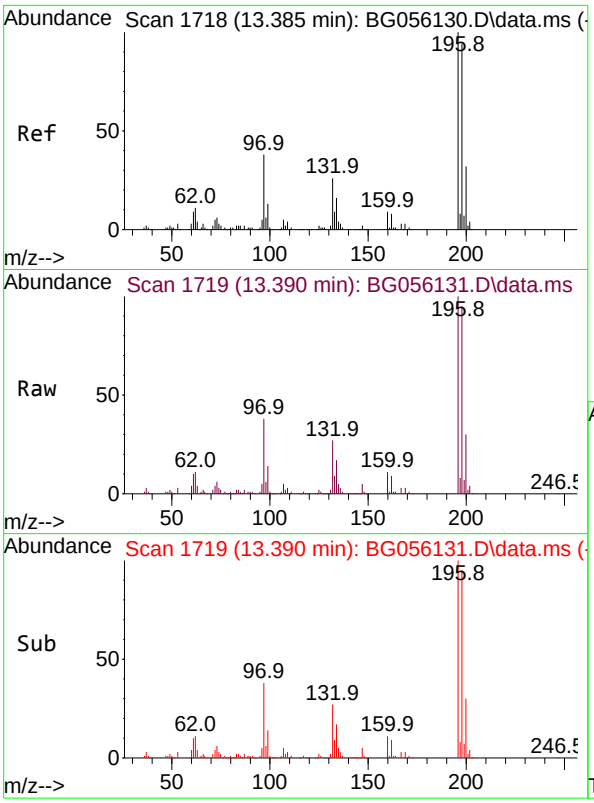


#42
2,4,6-Tribromophenol
Concen: 53.831 ng
RT: 16.422 min Scan# 2235
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:330 Resp: 199169

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.3	115.9
141	33.6	27.9	41.9

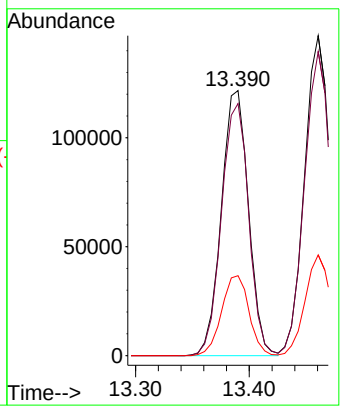




#43
2,4,6-Trichlorophenol
Concen: 52.752 ng
RT: 13.390 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:196 Resp: 20216

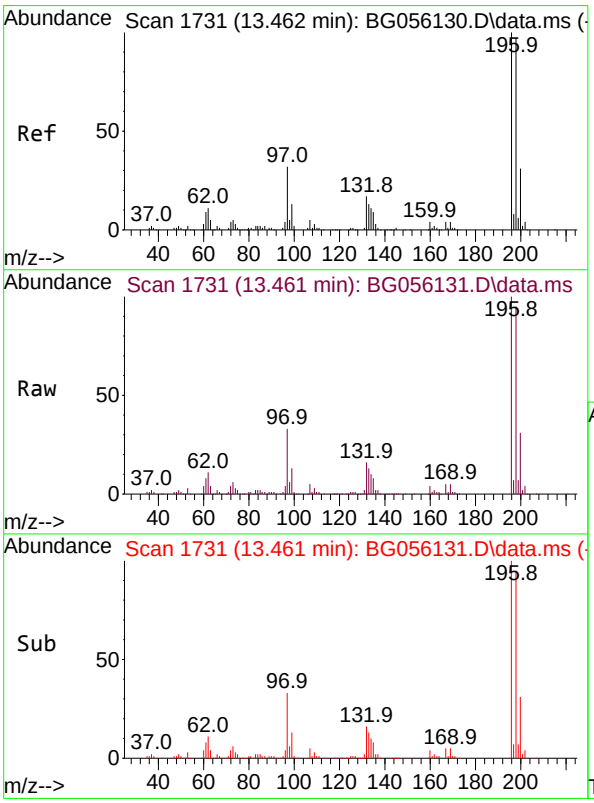
Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.5	113.3
200	30.1	25.7	38.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

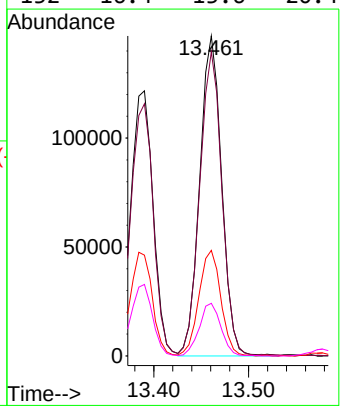
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

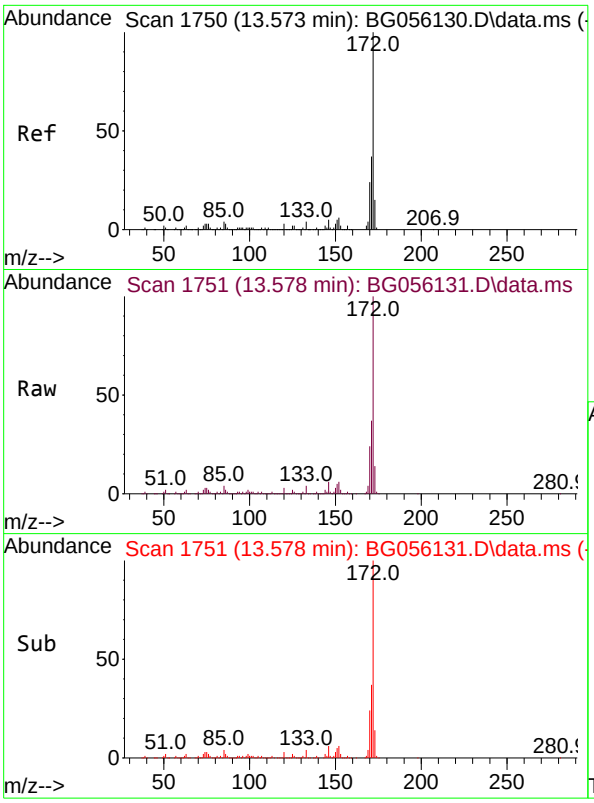


#44
2,4,5-Trichlorophenol
Concen: 54.706 ng
RT: 13.461 min Scan# 1731
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:196 Resp: 236330

Ion	Ratio	Lower	Upper
196	100		
198	95.0	78.0	117.0
97	33.0	25.7	38.5
132	16.4	13.6	20.4

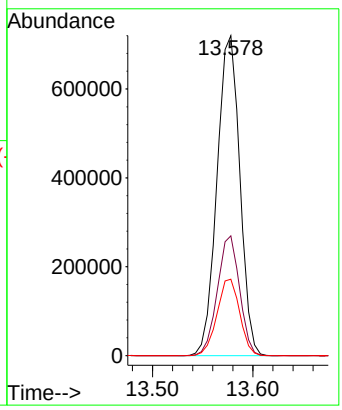




#45
2-Fluorobiphenyl
Concen: 104.186 ng
RT: 13.578 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:172 Resp: 113986

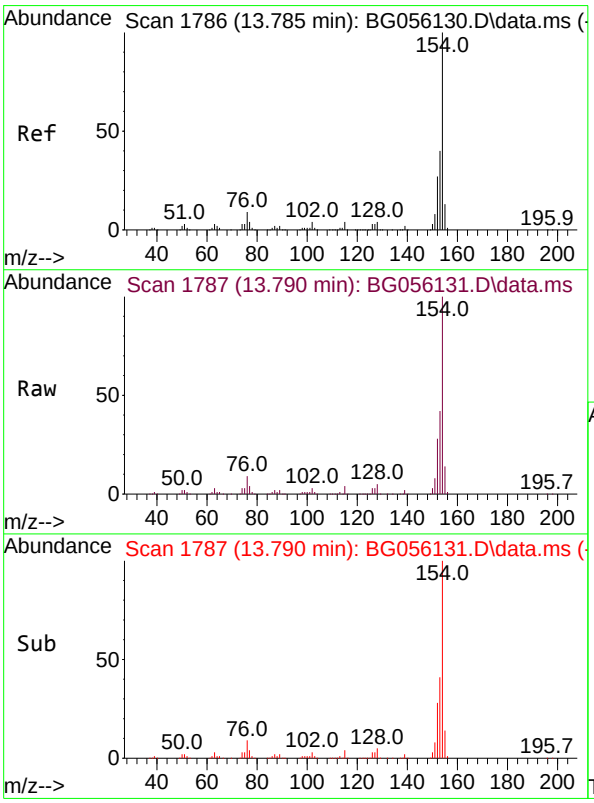
Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.6	44.4
170	23.9	19.4	29.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

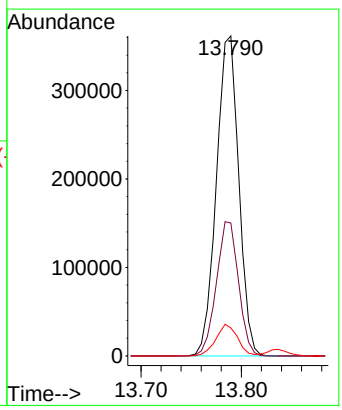
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

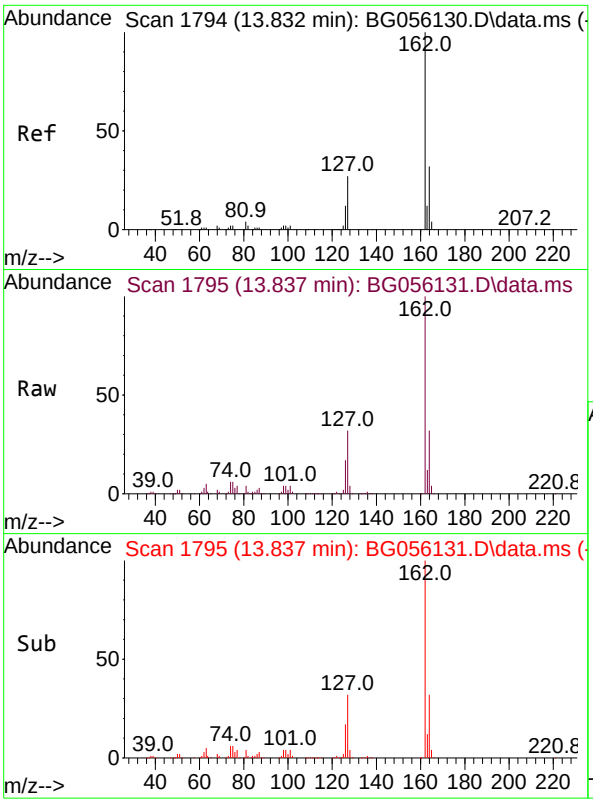


#46
1,1'-Biphenyl
Concen: 53.945 ng
RT: 13.790 min Scan# 1787
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:154 Resp: 561061

Ion	Ratio	Lower	Upper
154	100		
153	41.5	20.0	60.0
76	8.7	0.0	29.3

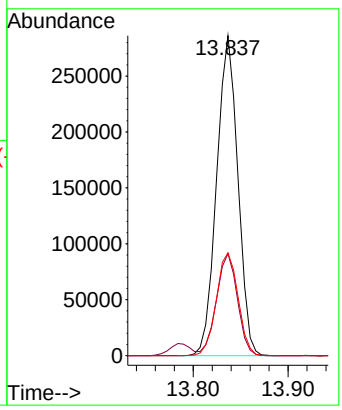




#47
2-Chloronaphthalene
Concen: 52.624 ng
RT: 13.837 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:162 Resp: 44472

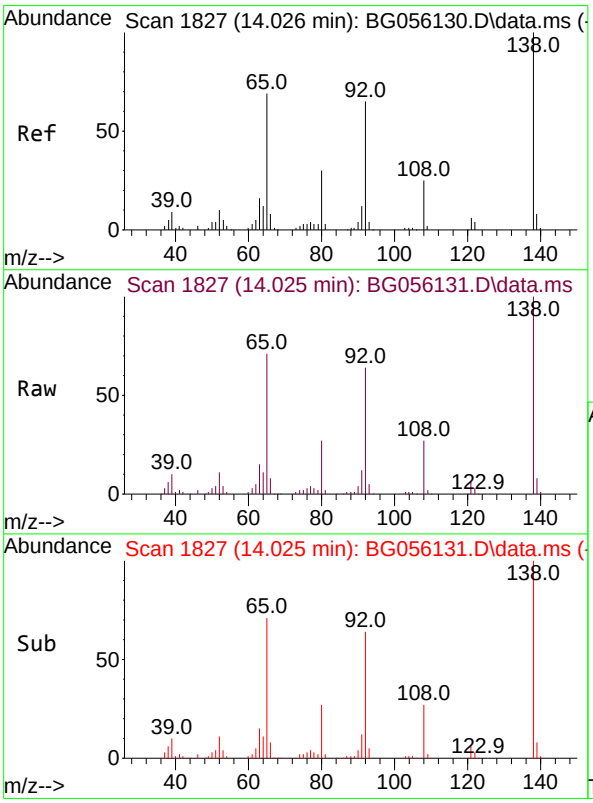
Ion	Ratio	Lower	Upper
162	100		
127	31.9	24.6	36.8
164	32.1	25.8	38.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

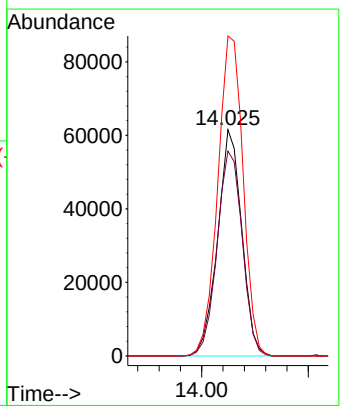
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

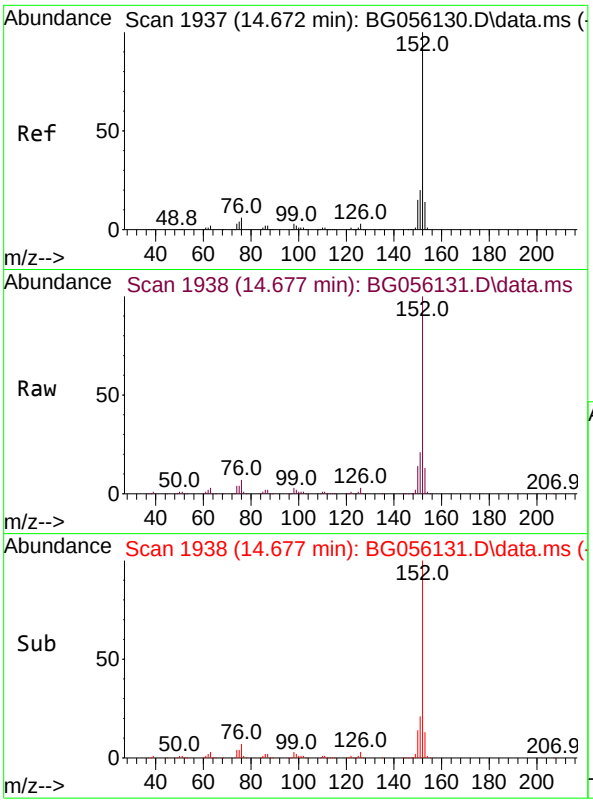


#48
2-Nitroaniline
Concen: 68.494 ng
RT: 14.025 min Scan# 1827
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 65 Resp: 96826

Ion	Ratio	Lower	Upper
65	100		
92	90.5	76.0	114.0
138	141.5	116.6	174.8

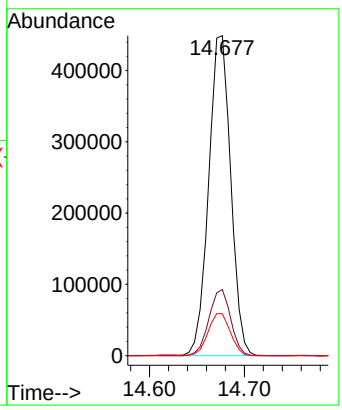




#49
Acenaphthylene
Concen: 53.826 ng
RT: 14.677 min Scan# 19
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:152 Resp: 72607

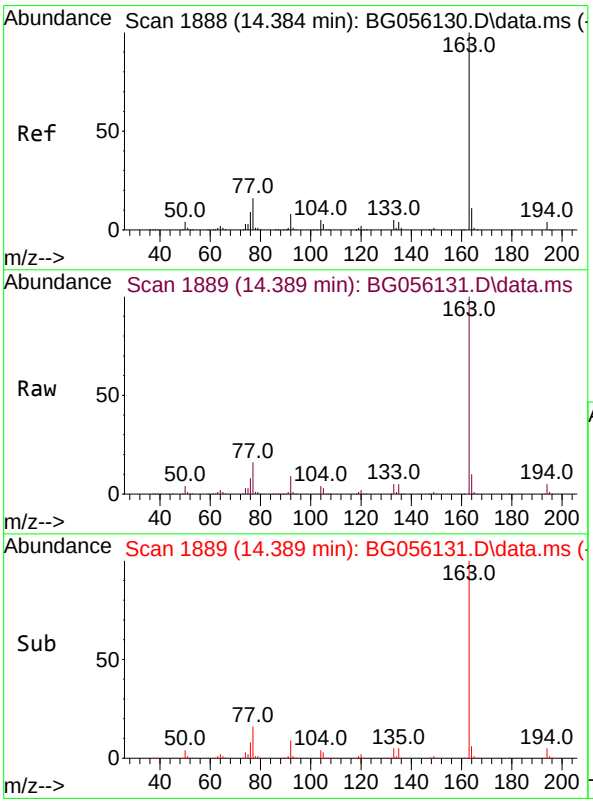
Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.0	24.0
153	13.1	11.0	16.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

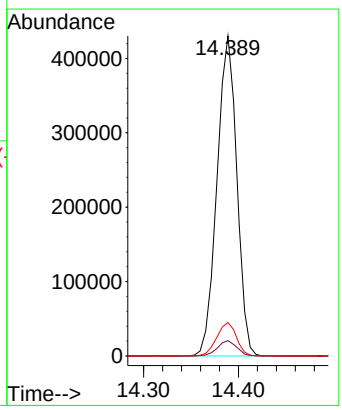
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

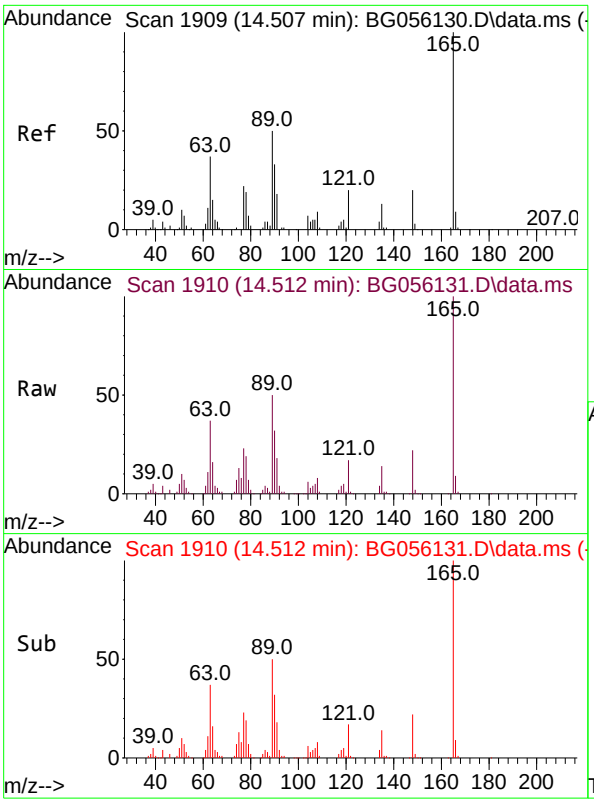


#50
Dimethylphthalate
Concen: 47.045 ng
RT: 14.389 min Scan# 1889
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:163 Resp: 624100

Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.5	5.3
164	10.5	8.7	13.1

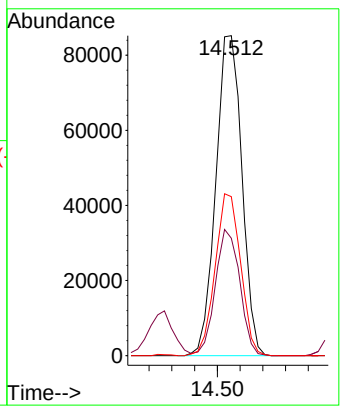




#51
2,6-Dinitrotoluene
Concen: 66.106 ng
RT: 14.512 min Scan# 19
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:165 Resp: 13570

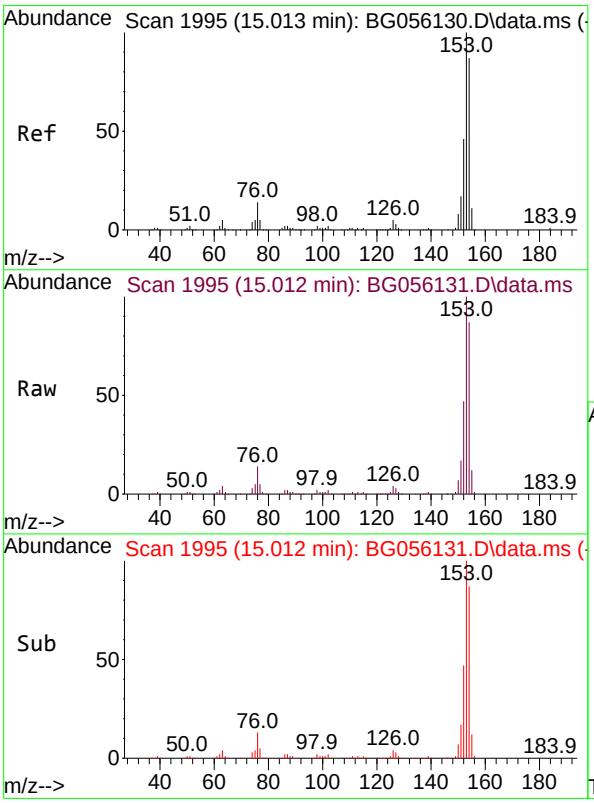
Ion	Ratio	Lower	Upper
165	100		
63	36.7	32.2	48.2
89	49.7	39.8	59.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

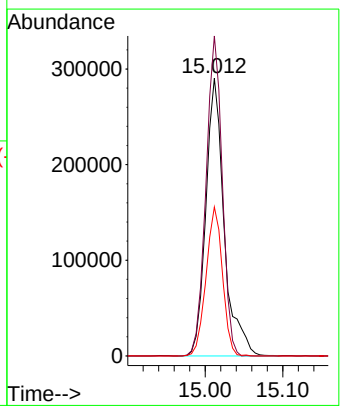
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

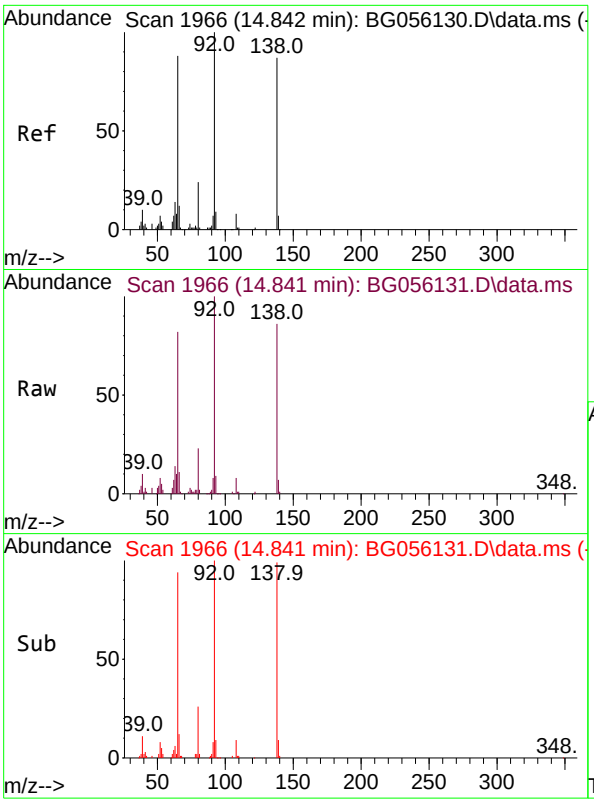


#52
Acenaphthene
Concen: 52.659 ng
RT: 15.012 min Scan# 1995
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:154 Resp: 476869

Ion	Ratio	Lower	Upper
154	100		
153	115.2	92.0	138.0
152	53.6	42.5	63.7





#53
3-Nitroaniline
Concen: 62.366 ng
RT: 14.841 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

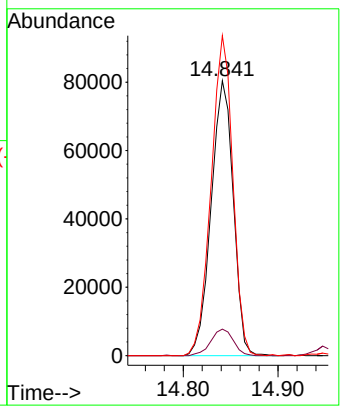
Tgt Ion:138 Resp: 13022

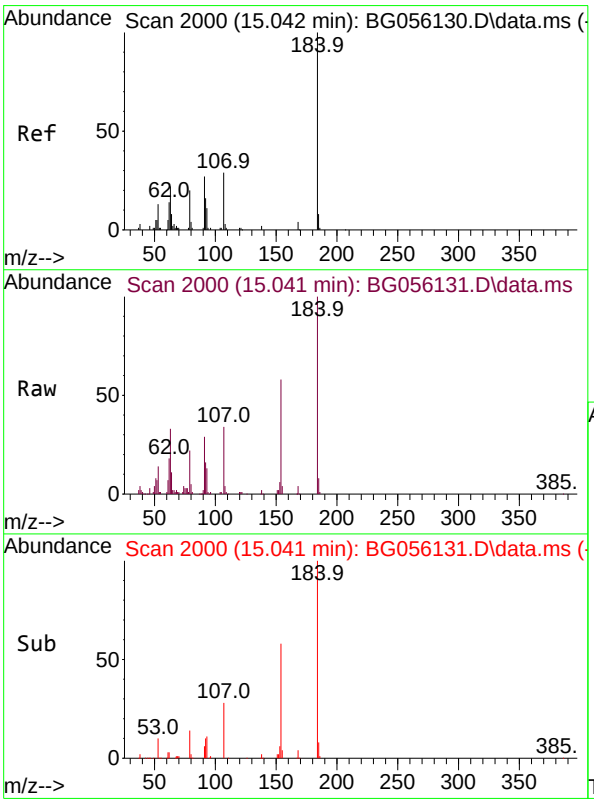
Ion	Ratio	Lower	Upper
138	100		
108	9.6	7.6	11.4
92	116.5	91.7	137.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

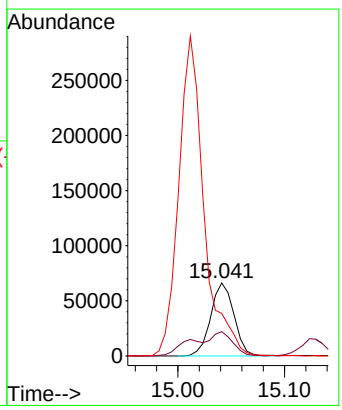


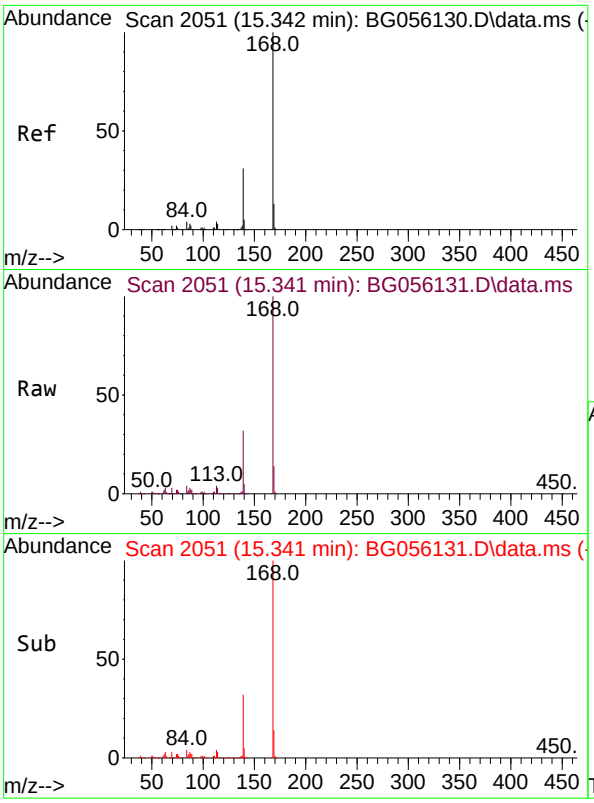


#54
2,4-Dinitrophenol
Concen: 65.736 ng
RT: 15.041 min Scan# 2000
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:184 Resp: 100323

Ion	Ratio	Lower	Upper
184	100		
63	33.3	24.0	36.0
154	58.2	45.4	68.0

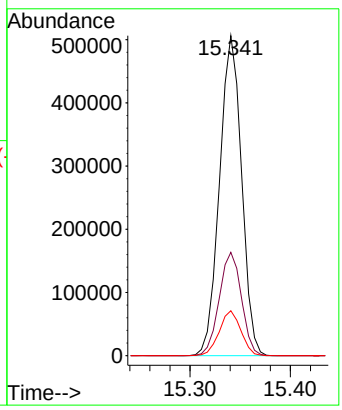




#55
Dibenzofuran
Concen: 50.780 ng
RT: 15.341 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:168 Resp: 77329

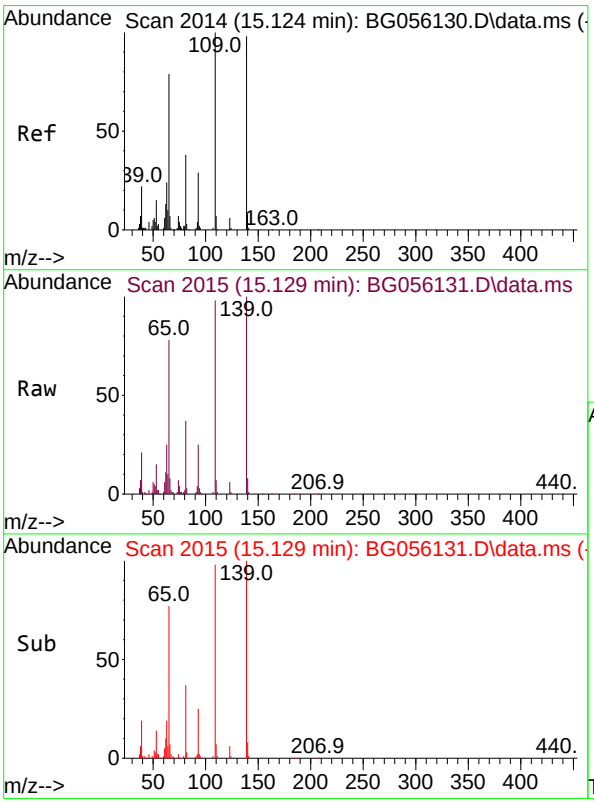
Ion	Ratio	Lower	Upper
168	100		
139	32.3	24.7	37.1
169	14.0	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

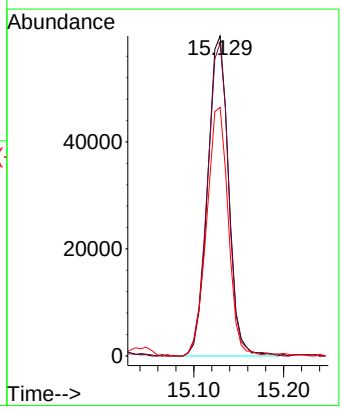
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

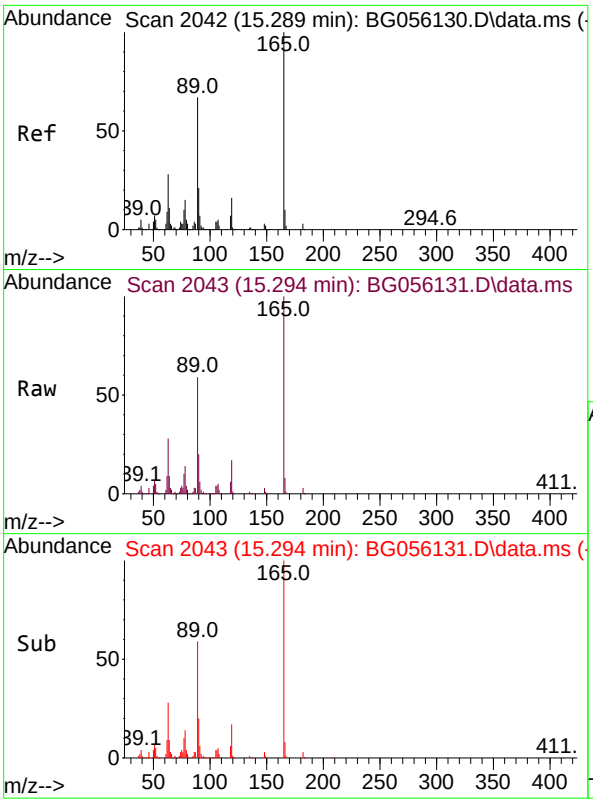


#56
4-Nitrophenol
Concen: 57.763 ng
RT: 15.129 min Scan# 2015
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:139 Resp: 96654

Ion	Ratio	Lower	Upper
139	100		
109	97.7	82.2	122.2
65	77.7	60.6	100.6

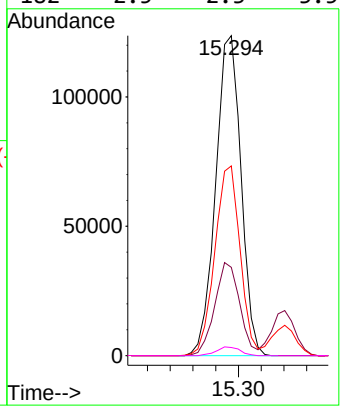




#57
2,4-Dinitrotoluene
Concen: 61.668 ng
RT: 15.294 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:165 Resp: 19109

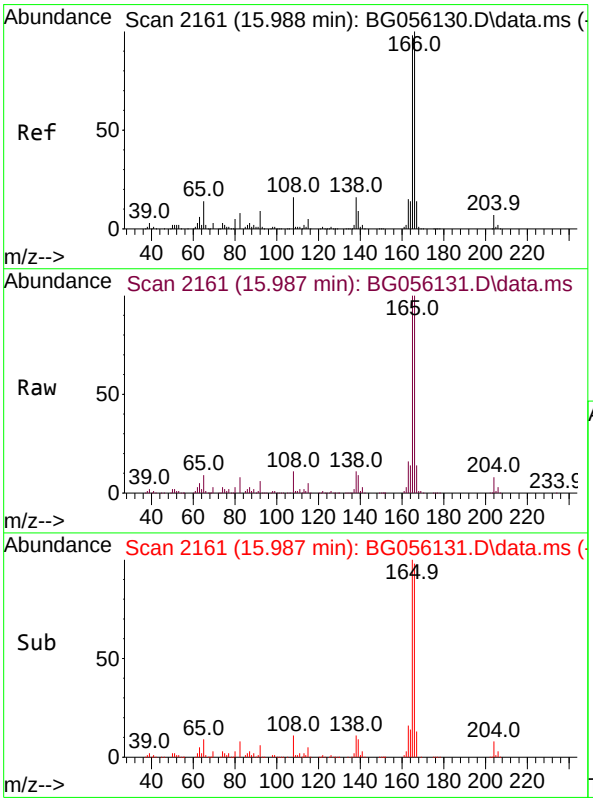
Ion	Ratio	Lower	Upper
165	100		
63	27.6	22.6	34.0
89	59.3	53.2	79.8
182	2.5	2.3	3.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

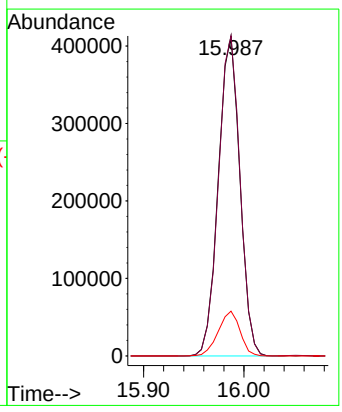
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

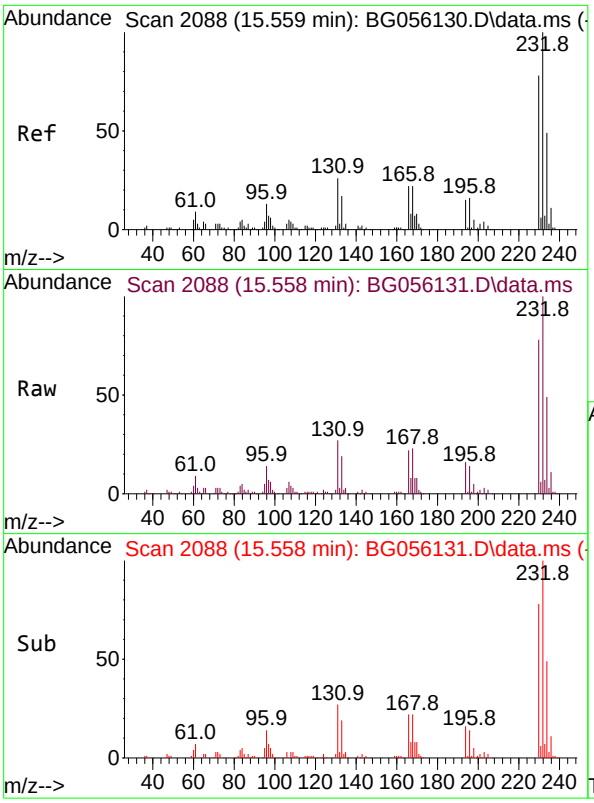


#58
Fluorene
Concen: 49.497 ng
RT: 15.987 min Scan# 2161
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:166 Resp: 616167

Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.6	118.0
167	14.0	11.1	16.7

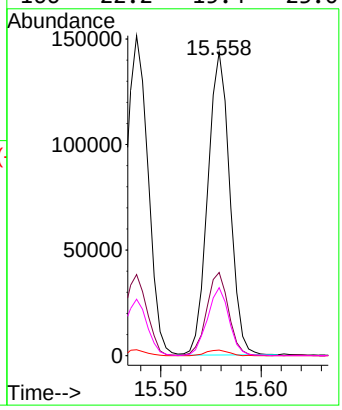




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.252 ng
RT: 15.558 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:232 Resp: 21839

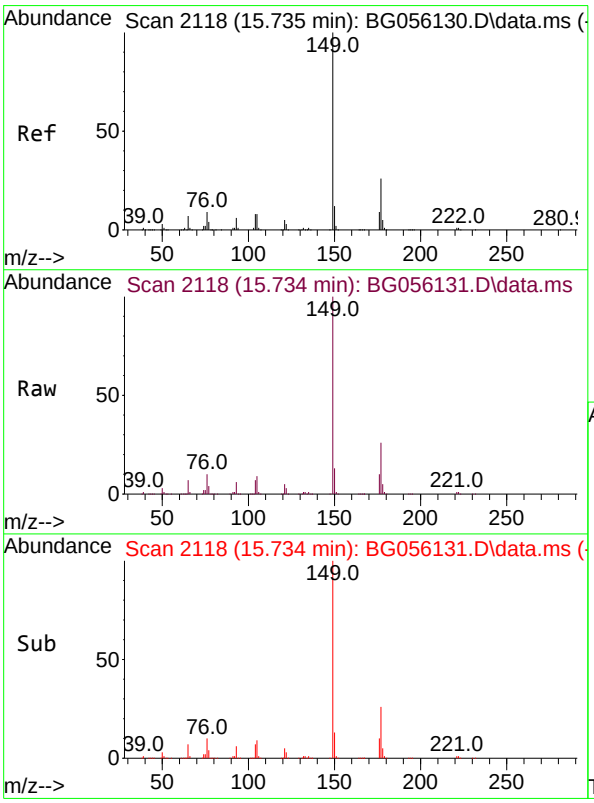
Ion	Ratio	Lower	Upper
232	100		
131	27.4	21.4	32.2
130	1.8	1.4	2.0
166	22.2	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

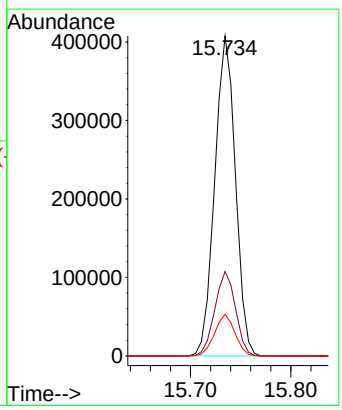
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

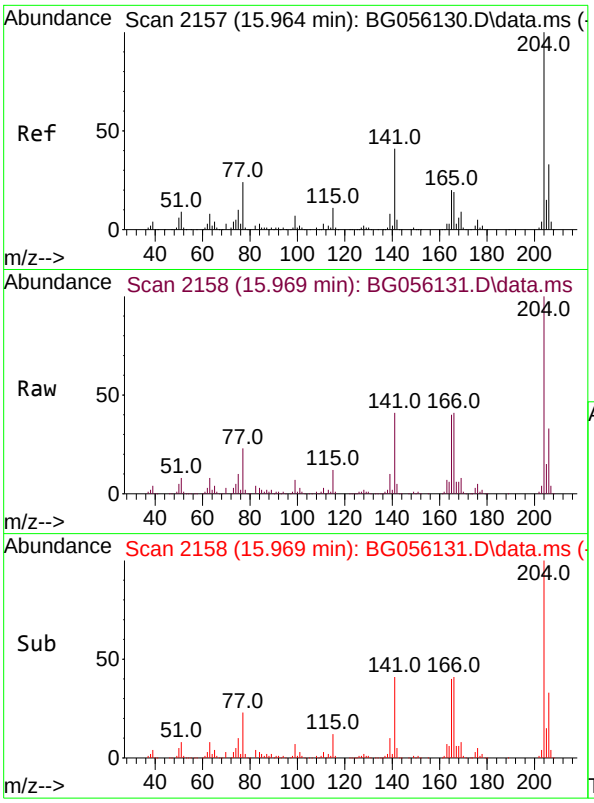


#60
Diethylphthalate
Concen: 45.047 ng
RT: 15.734 min Scan# 2118
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:149 Resp: 584090

Ion	Ratio	Lower	Upper
149	100		
177	26.4	20.6	31.0
150	13.0	9.9	14.9

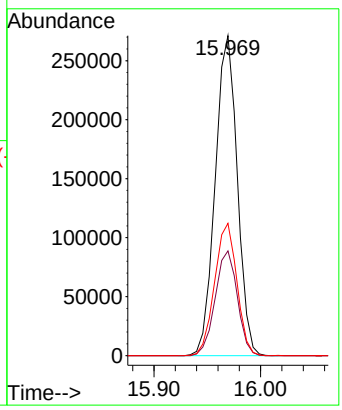




#61
4-Chlorophenyl-phenylether
Concen: 46.106 ng
RT: 15.969 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:204 Resp: 390989

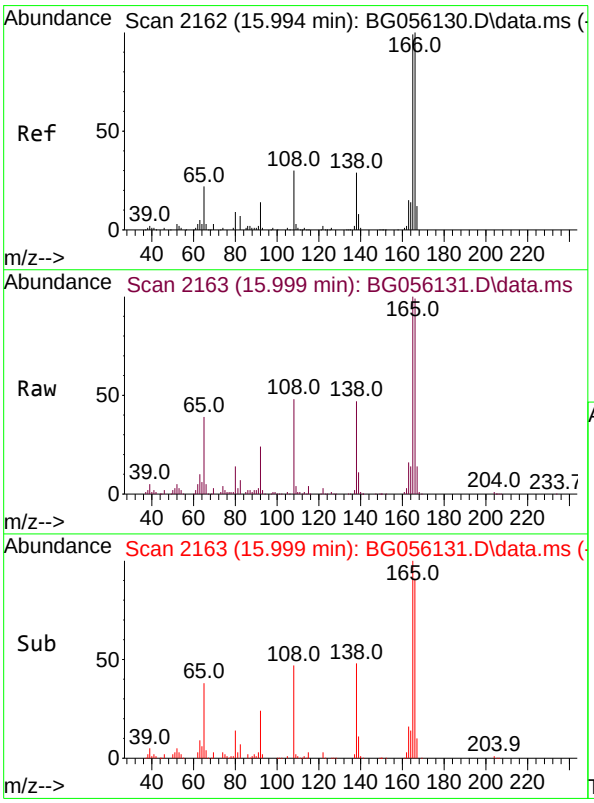
Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.4	39.6
141	41.3	33.0	49.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

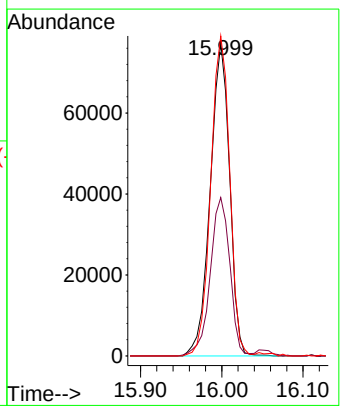
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

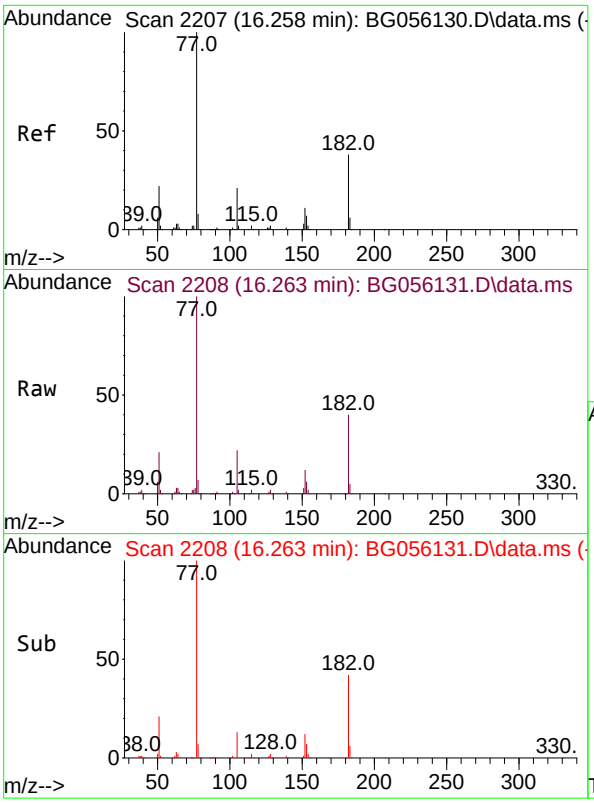


#62
4-Nitroaniline
Concen: 56.146 ng
RT: 15.999 min Scan# 2163
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:138 Resp: 127676

Ion	Ratio	Lower	Upper
138	100		
92	50.6	28.6	68.6
108	102.2	83.4	123.4

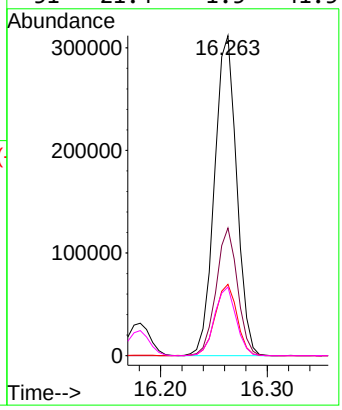




#63
Azobenzene
Concen: 57.202 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion: 77 Resp: 45143

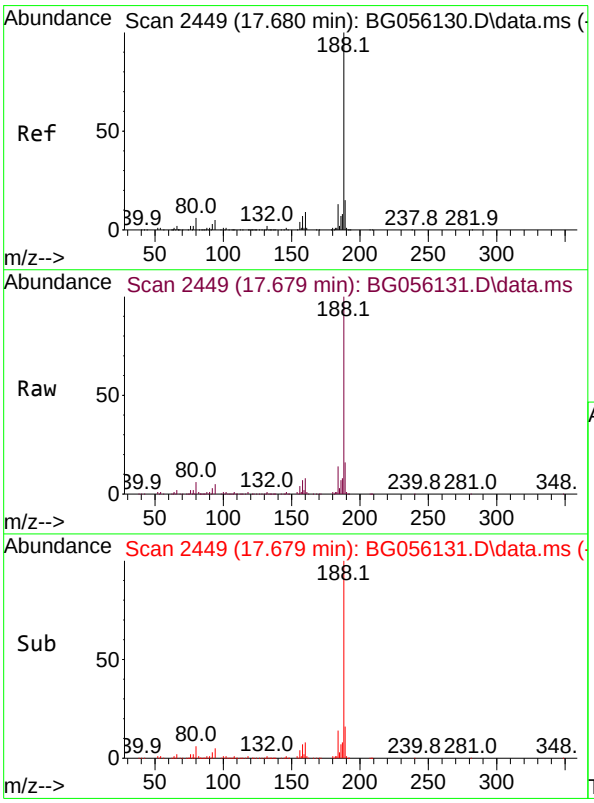
Ion	Ratio	Lower	Upper
77	100		
182	39.9	18.5	58.5
105	22.3	1.4	41.4
51	21.4	1.5	41.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

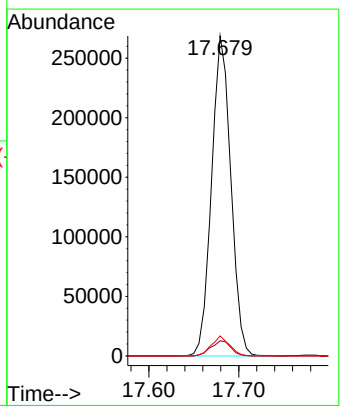
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

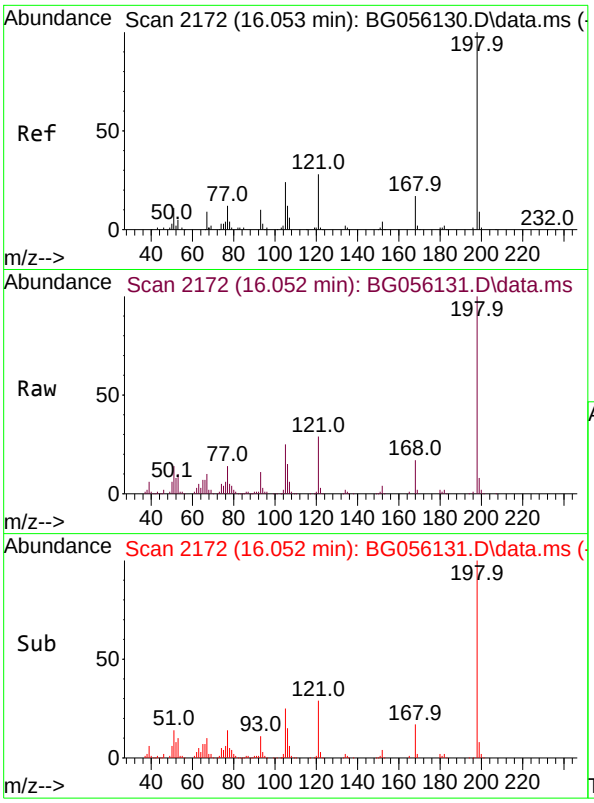


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.679 min Scan# 2449
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:188 Resp: 401484

Ion	Ratio	Lower	Upper
188	100		
94	4.7	4.2	6.2
80	6.2	5.0	7.4

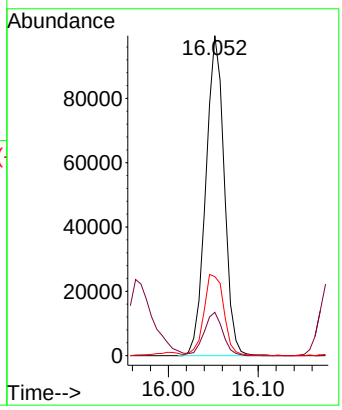




#65
4,6-Dinitro-2-methylphenol
Concen: 73.889 ng
RT: 16.052 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:198 Resp: 14171

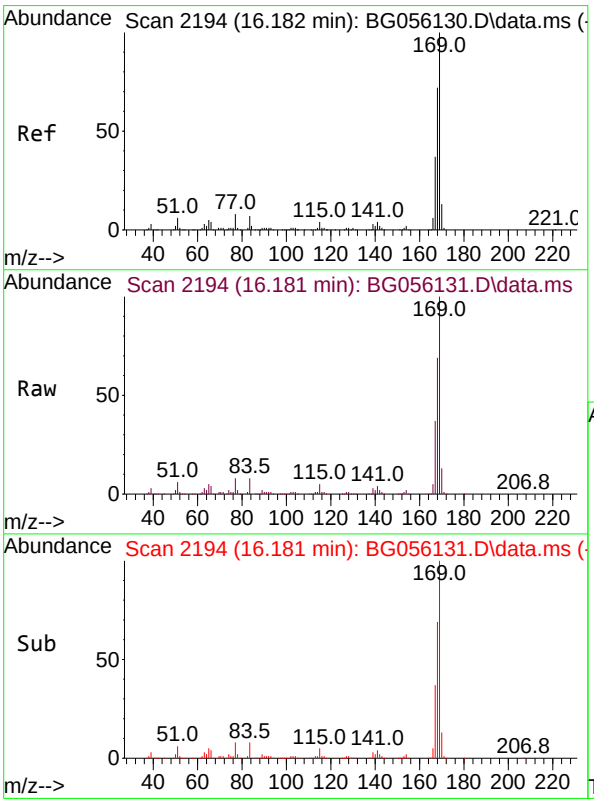
Ion	Ratio	Lower	Upper
198	100		
51	13.5	0.0	33.2
105	24.7	4.9	44.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

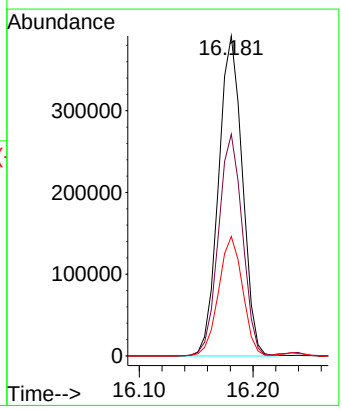
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

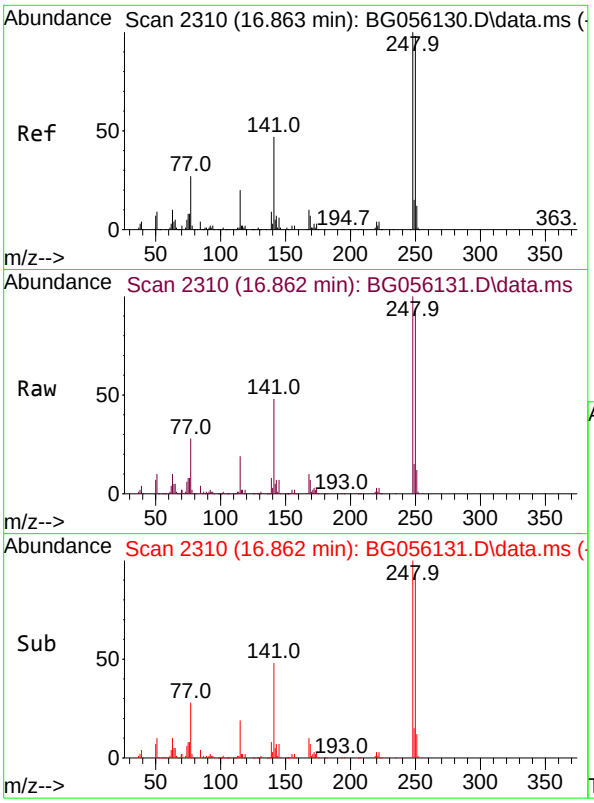


#66
n-Nitrosodiphenylamine
Concen: 54.161 ng
RT: 16.181 min Scan# 2194
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:169 Resp: 569834

Ion	Ratio	Lower	Upper
169	100		
168	69.3	58.0	87.0
167	37.3	30.0	45.0





#67
4-Bromophenyl-phenylether
Concen: 44.592 ng
RT: 16.862 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

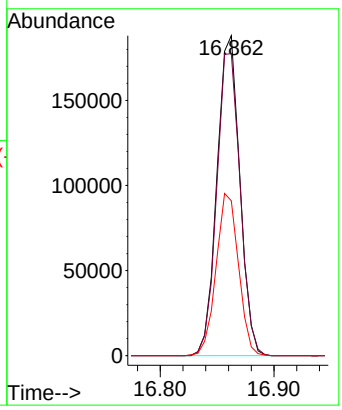
Tgt Ion:248 Resp: 26233

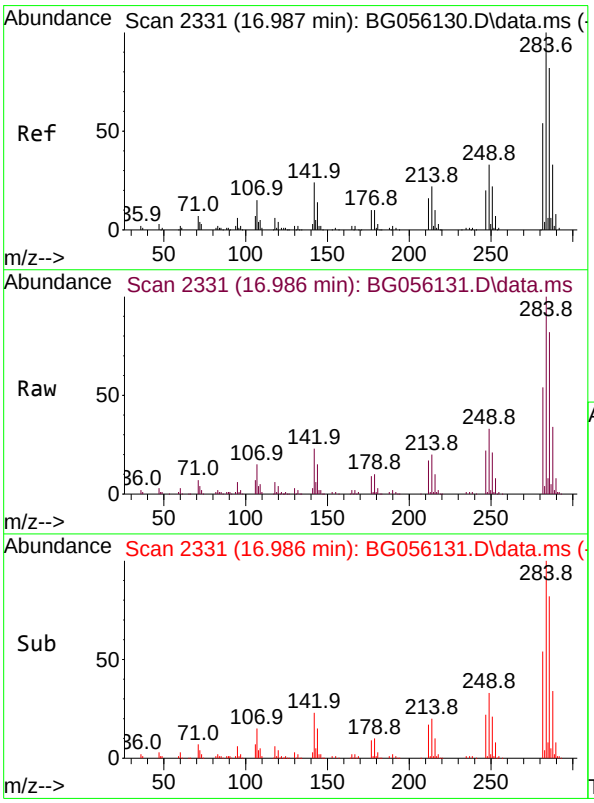
Ion	Ratio	Lower	Upper
248	100		
250	94.4	78.2	117.4
141	48.4	37.6	56.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

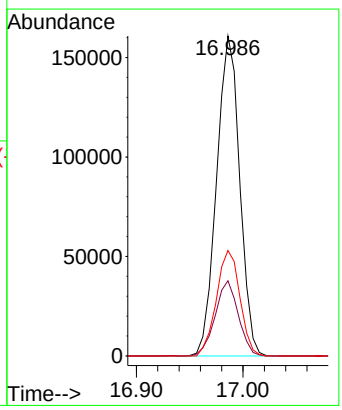


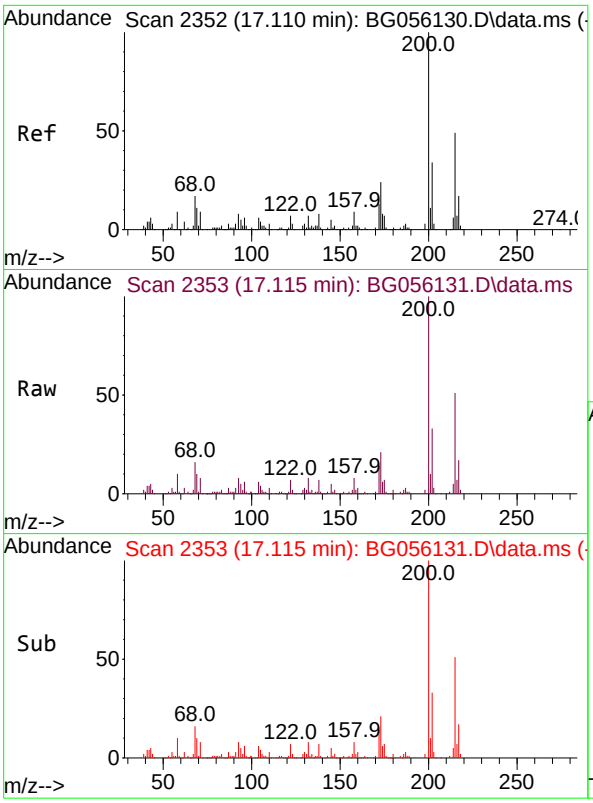


#68
Hexachlorobenzene
Concen: 33.481 ng
RT: 16.986 min Scan# 2331
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:284 Resp: 242611

Ion	Ratio	Lower	Upper
284	100		
142	23.5	19.0	28.6
249	32.9	26.6	39.8

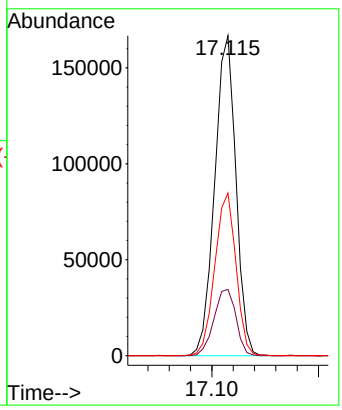




#69
Atrazine
Concen: 48.366 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:200 Resp: 23040

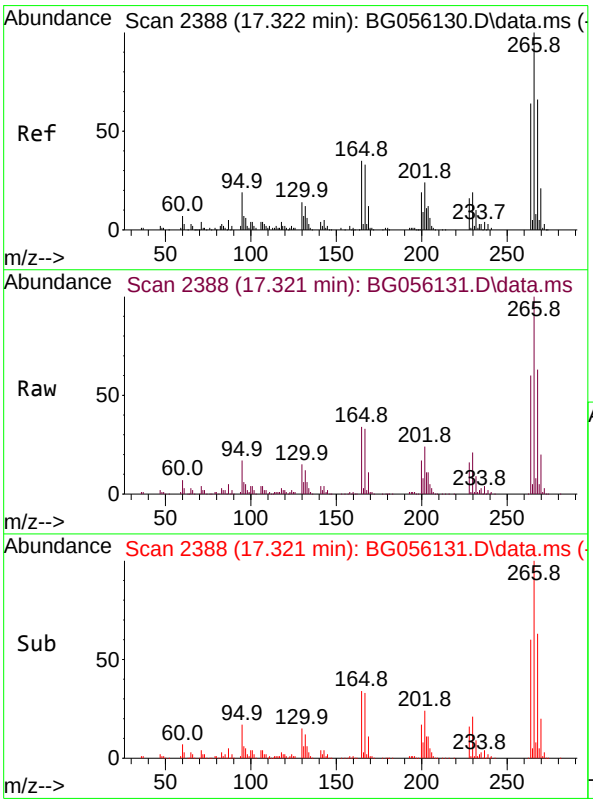
Ion	Ratio	Lower	Upper
200	100		
173	20.7	4.0	44.0
215	50.8	29.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

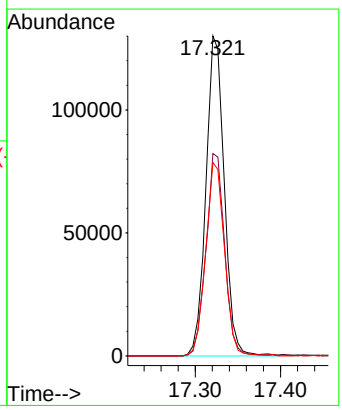
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

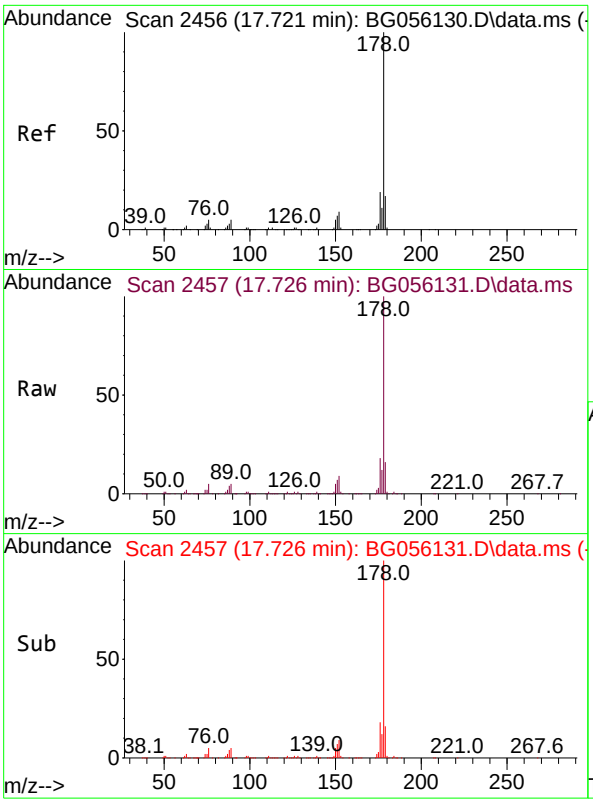


#70
Pentachlorophenol
Concen: 46.763 ng
RT: 17.321 min Scan# 2388
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:266 Resp: 193724

Ion	Ratio	Lower	Upper
266	100		
268	63.2	53.0	79.4
264	60.5	51.4	77.2

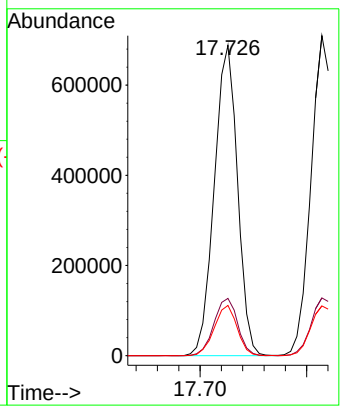




#71
Phenanthrene
Concen: 49.581 ng
RT: 17.726 min Scan# 24
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:178 Resp: 104317

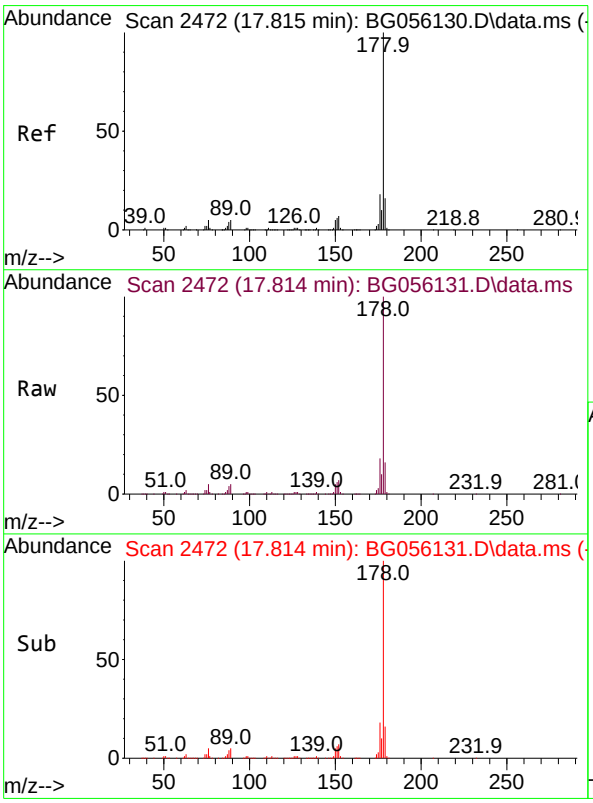
Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	16.2	13.6	20.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

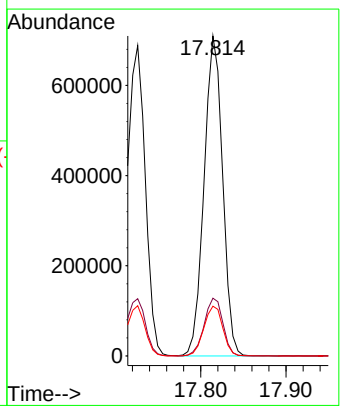
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

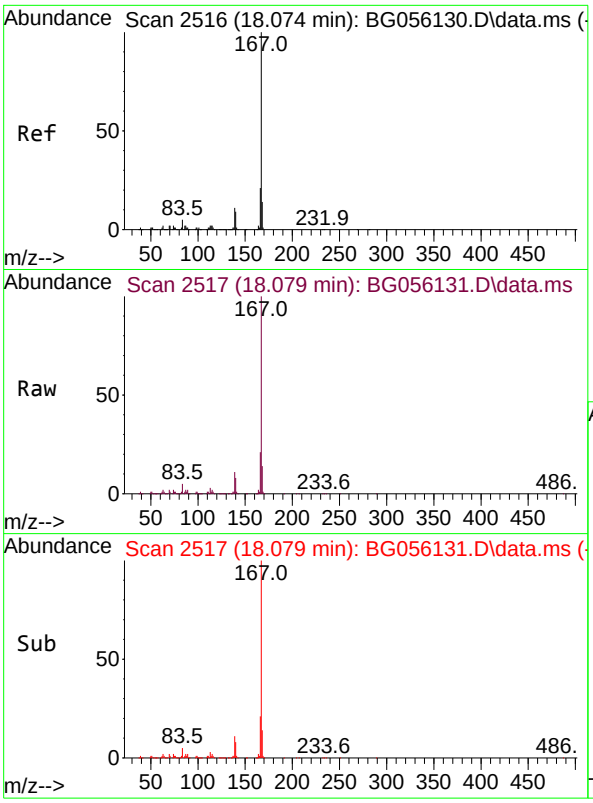


#72
Anthracene
Concen: 51.439 ng
RT: 17.814 min Scan# 2472
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:178 Resp: 1070715

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	22.0
179	15.5	12.7	19.1

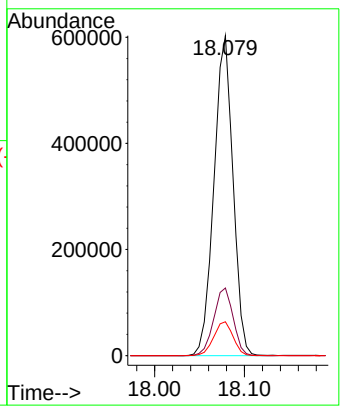




#73
Carbazole
Concen: 51.840 ng
RT: 18.079 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:167 Resp: 88995

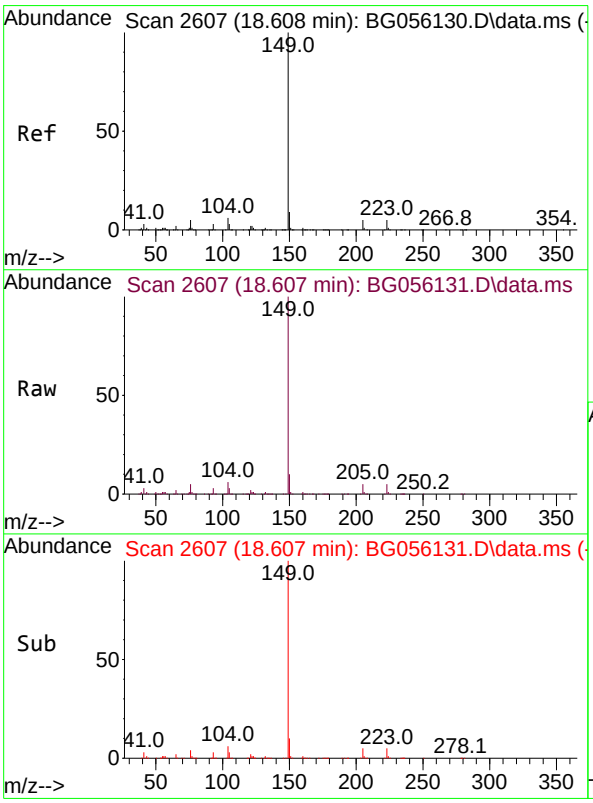
Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.8	25.2
139	10.6	8.9	13.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

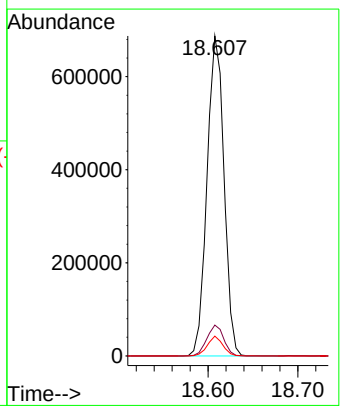
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

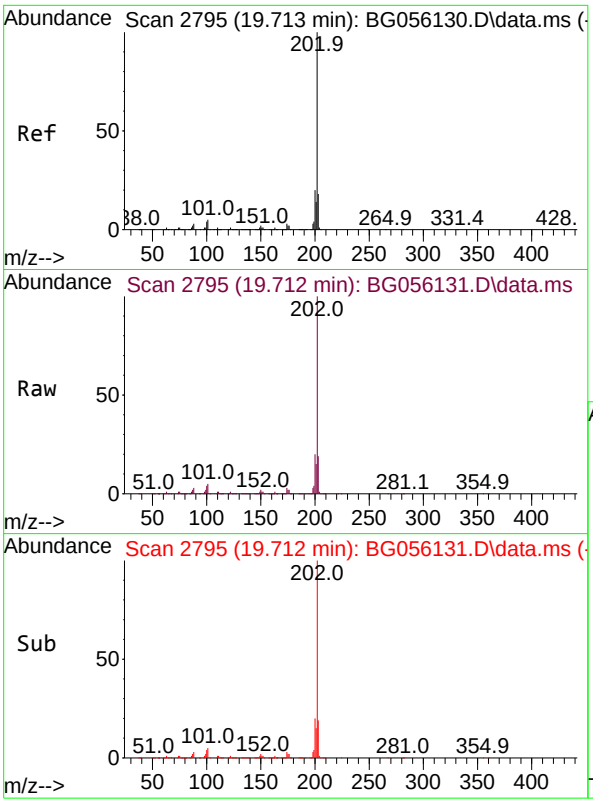


#74
Di-n-butylphthalate
Concen: 45.146 ng
RT: 18.607 min Scan# 2607
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:149 Resp: 901336

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.4	11.2
104	6.2	4.4	6.6

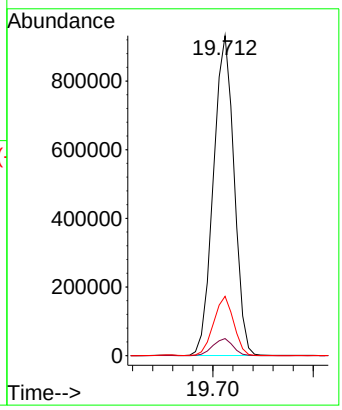




#75
Fluoranthene
Concen: 45.338 ng
RT: 19.712 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:202 Resp: 133575

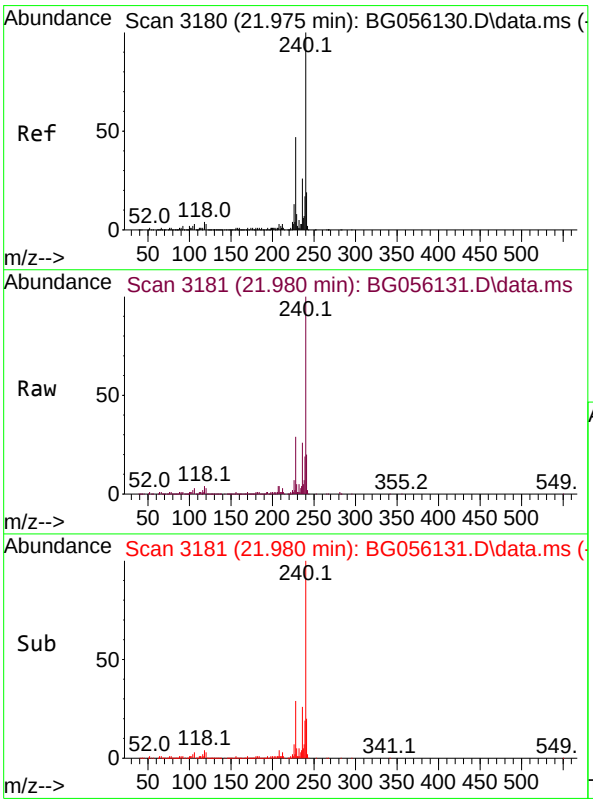
Ion	Ratio	Lower	Upper
202	100		
101	5.3	0.0	25.0
203	18.5	0.0	38.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

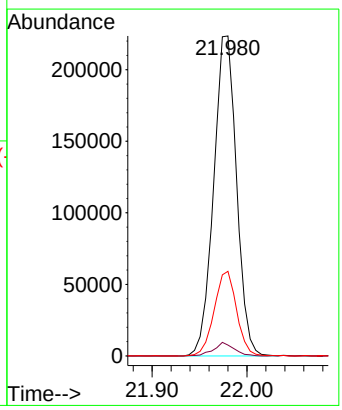
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

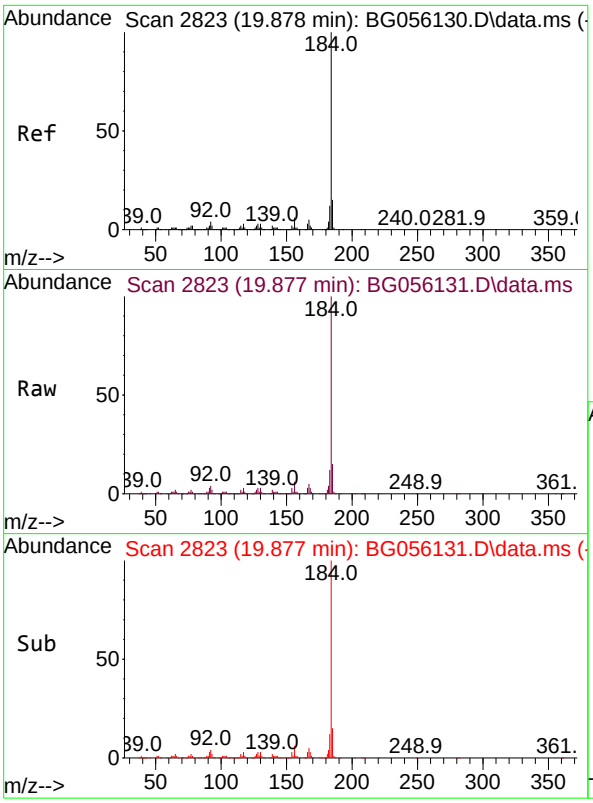


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.980 min Scan# 3181
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:240 Resp: 375034

Ion	Ratio	Lower	Upper
240	100		
120	3.4	2.6	4.0
236	26.4	20.8	31.2

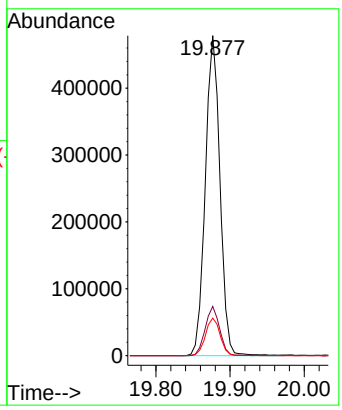




#77
Benzidine
Concen: 99.359 ng
RT: 19.877 min Scan# 28
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:184 Resp: 654402

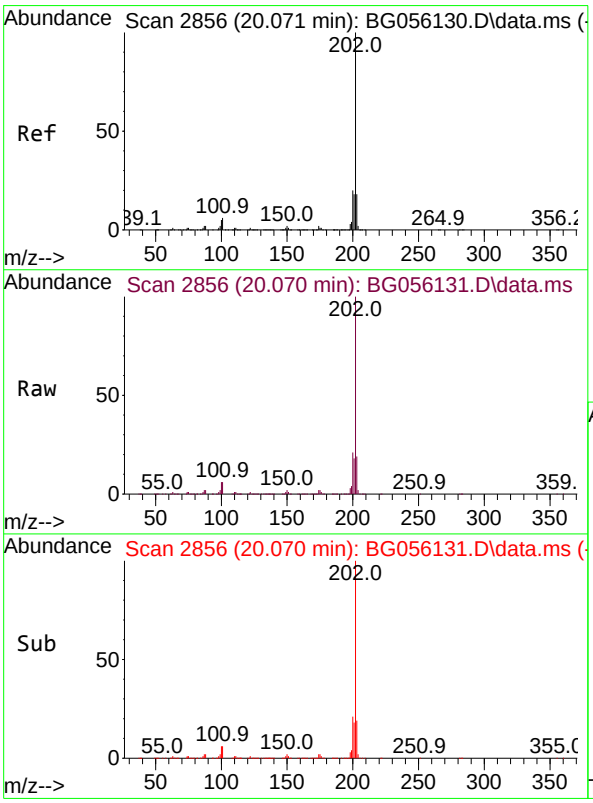
Ion	Ratio	Lower	Upper
184	100		
185	15.4	12.2	18.2
183	11.7	9.4	14.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

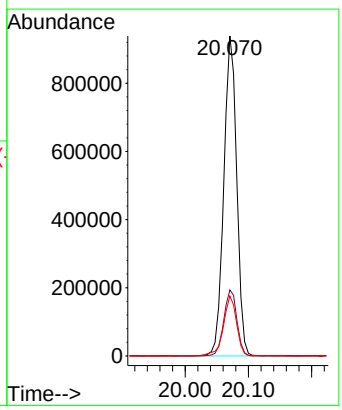
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

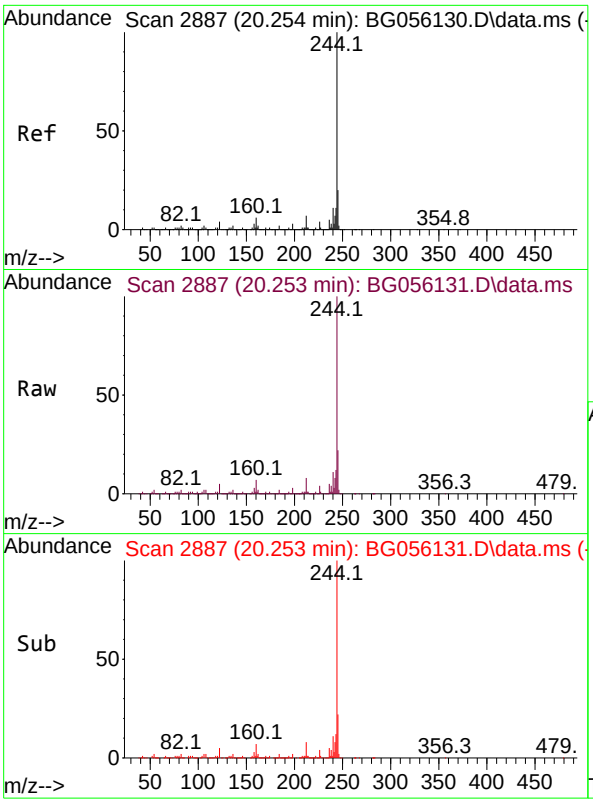


#78
Pyrene
Concen: 58.609 ng
RT: 20.070 min Scan# 2856
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:202 Resp: 1330044

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.4	24.6
203	18.7	14.3	21.5





#79
Terphenyl-d14
Concen: 97.675 ng
RT: 20.253 min Scan# 28
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

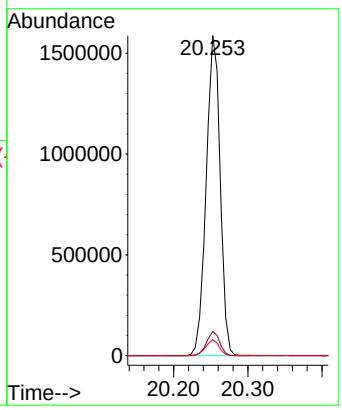
Tgt Ion:244 Resp: 207262

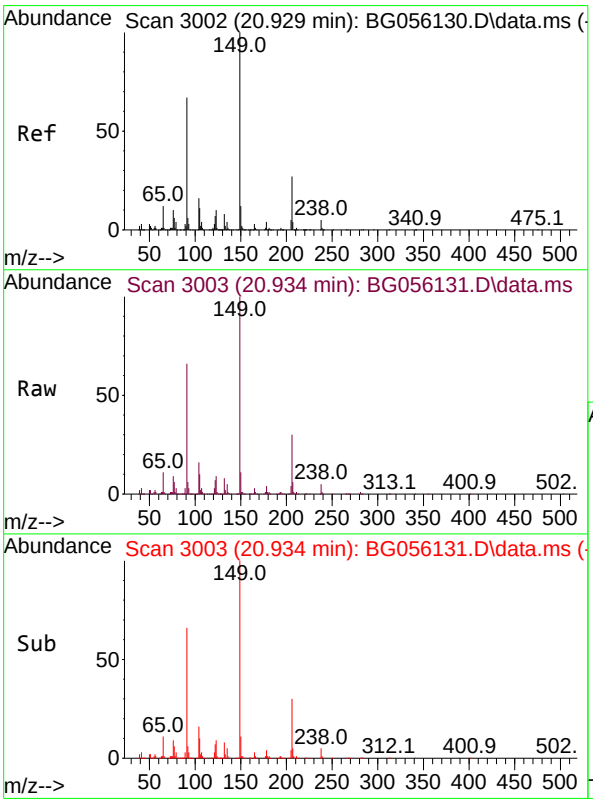
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.7	8.5
122	5.0	3.5	5.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

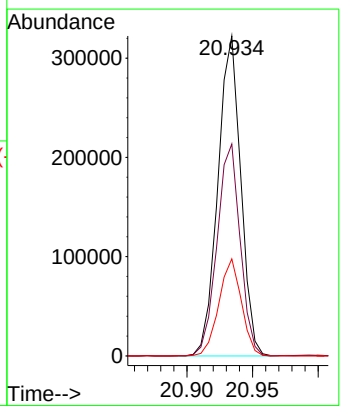


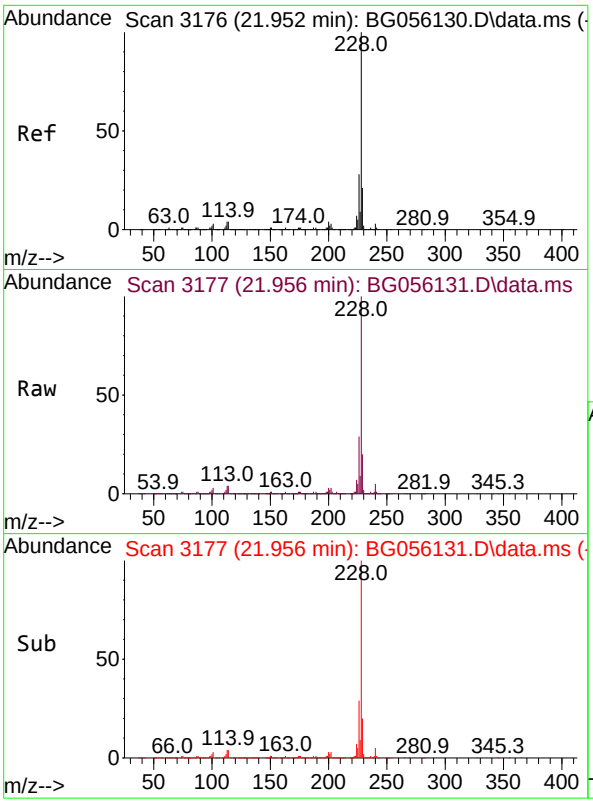


#80
Butylbenzylphthalate
Concen: 60.923 ng
RT: 20.934 min Scan# 3003
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:149 Resp: 391769

Ion	Ratio	Lower	Upper
149	100		
91	66.2	53.5	80.3
206	30.3	21.9	32.9





#81
Benzo(a)anthracene
Concen: 50.597 ng
RT: 21.956 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

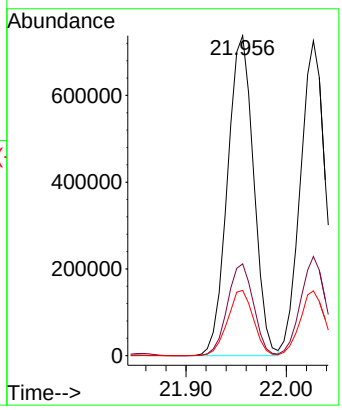
Tgt Ion:228 Resp: 133526

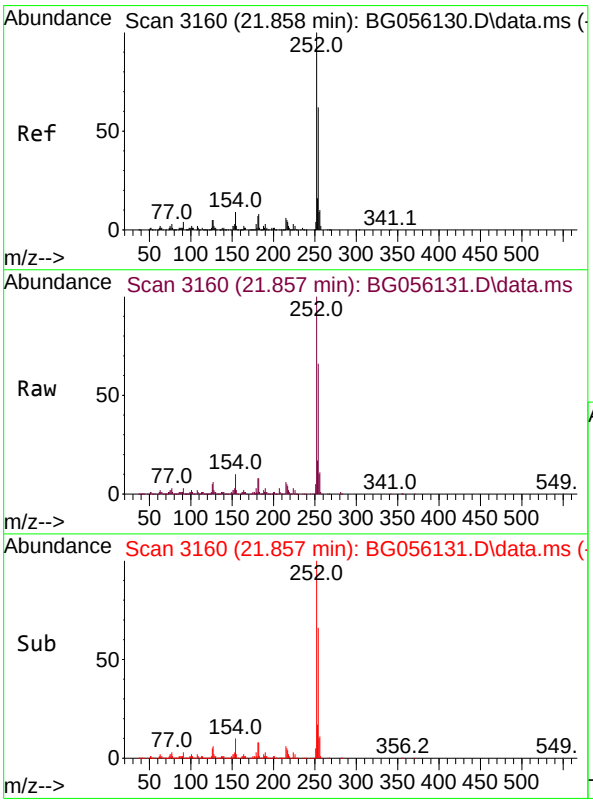
Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	34.0
229	20.4	16.9	25.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

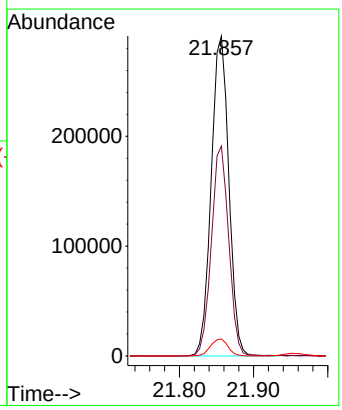


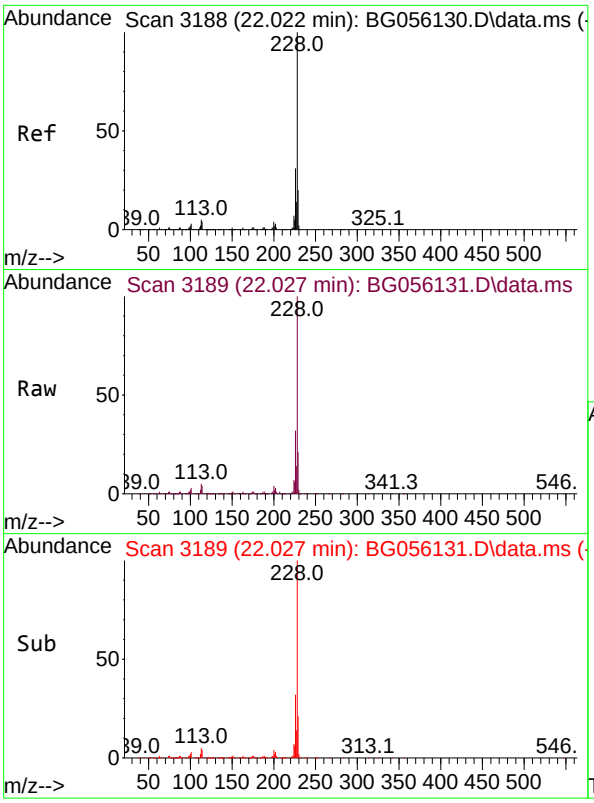


#82
3,3'-Dichlorobenzidine
Concen: 50.604 ng
RT: 21.857 min Scan# 3160
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:252 Resp: 480481

Ion	Ratio	Lower	Upper
252	100		
254	65.6	49.5	74.3
126	5.3	4.0	6.0

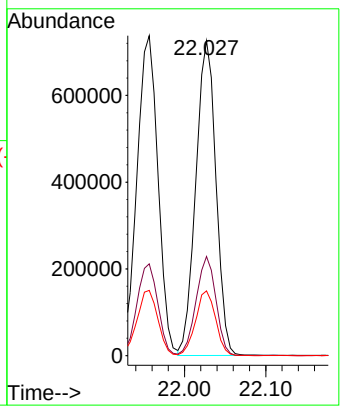




#83
Chrysene
Concen: 50.550 ng
RT: 22.027 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:228 Resp: 125027

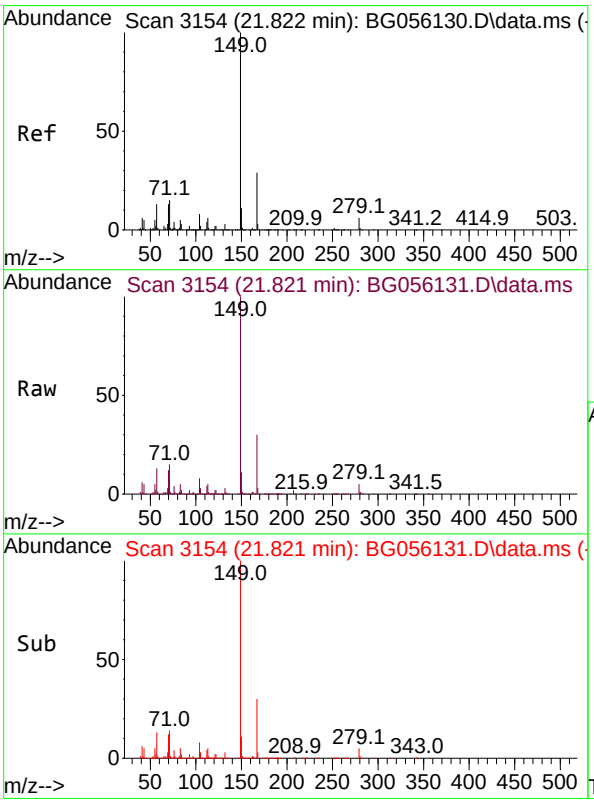
Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.6	36.8
229	20.6	15.8	23.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

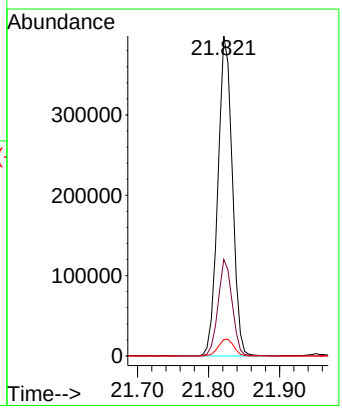
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

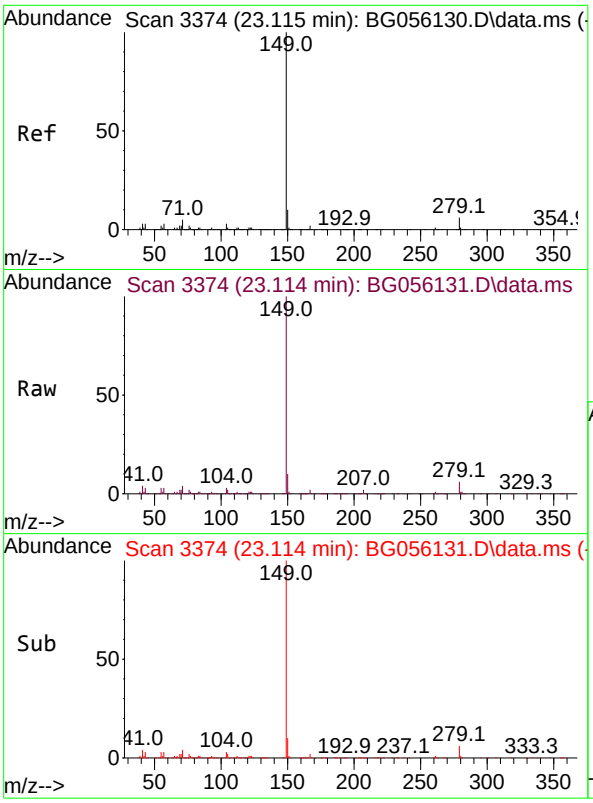


#84
Bis(2-ethylhexyl)phthalate
Concen: 58.982 ng
RT: 21.821 min Scan# 3154
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:149 Resp: 563504

Ion	Ratio	Lower	Upper
149	100		
167	30.1	23.4	35.2
279	5.1	4.7	7.1

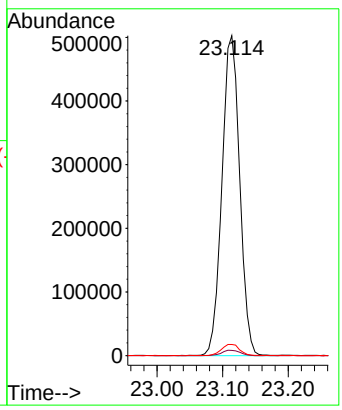




#85
Di-n-octyl phthalate
Concen: 58.289 ng
RT: 23.114 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:149 Resp: 94463

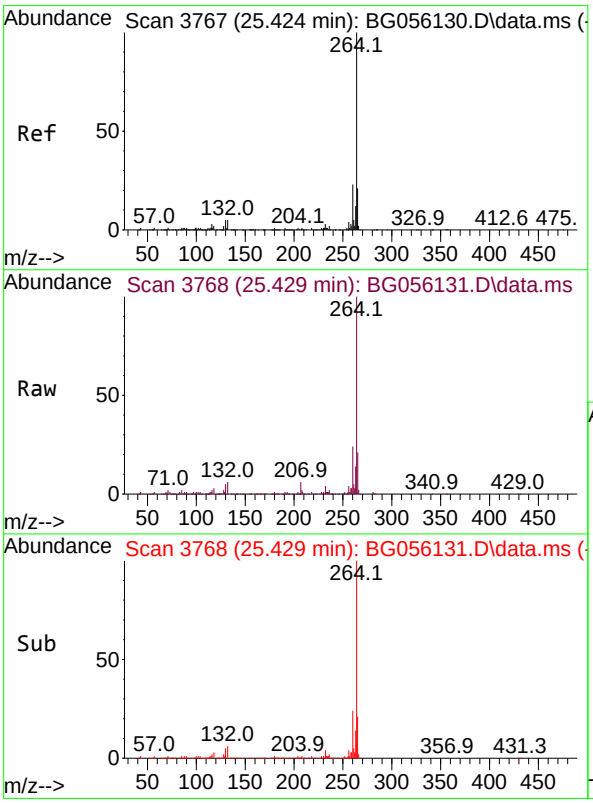
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.2
43	3.7	2.9	4.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

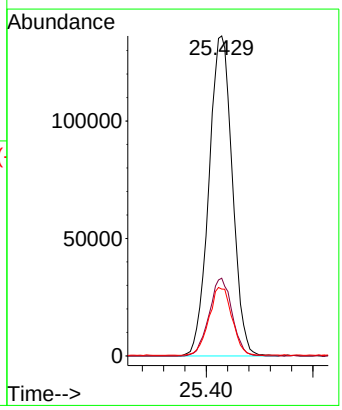
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

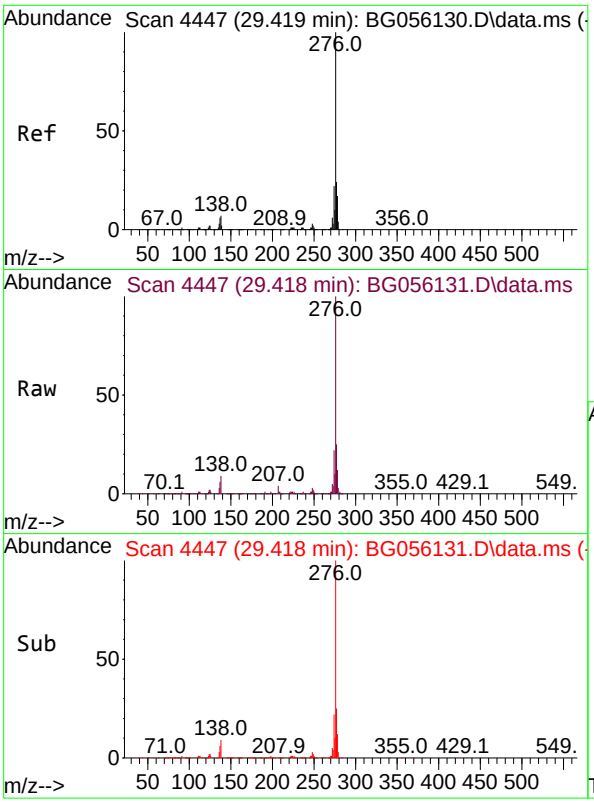


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.429 min Scan# 3768
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:264 Resp: 414943

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.6	28.0
265	20.9	16.7	25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 44.979 ng
RT: 29.418 min Scan# 44
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

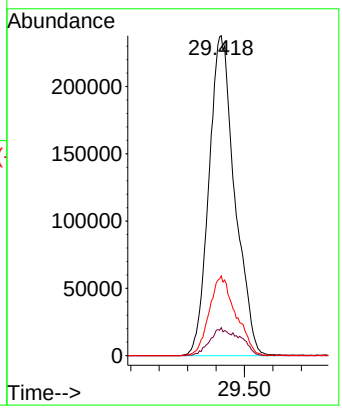
Tgt Ion:276 Resp: 150081

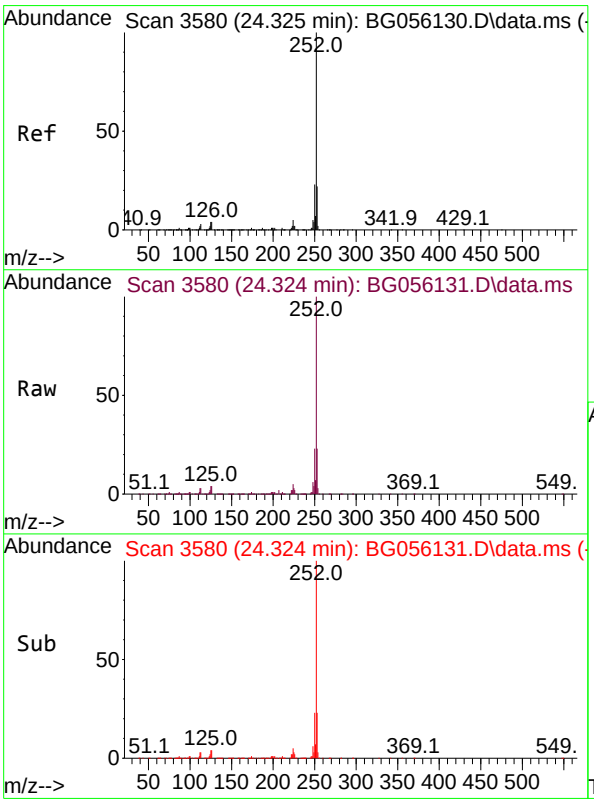
Ion	Ratio	Lower	Upper
276	100		
138	10.0	5.0	7.4
277	25.5	20.5	30.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

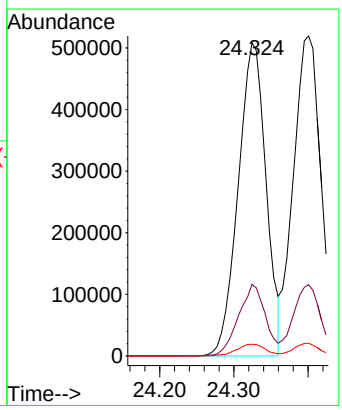


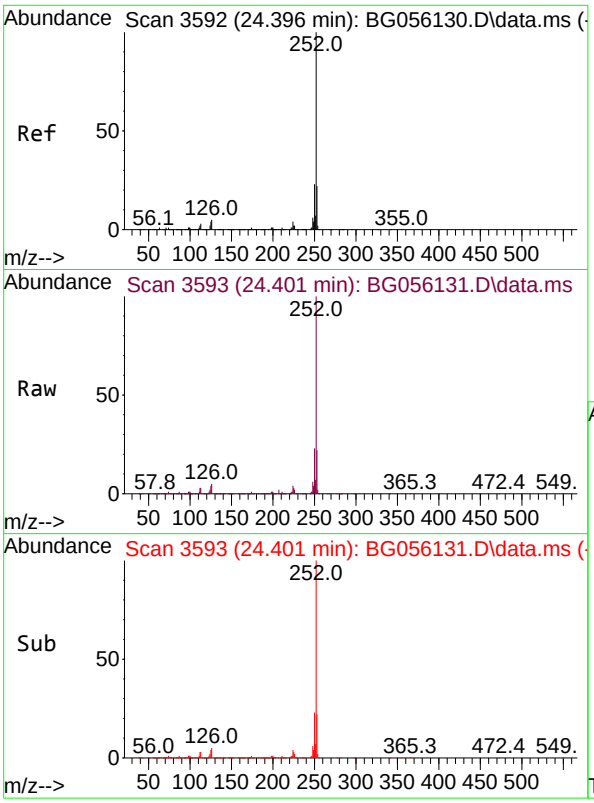


#88
Benzo(b)fluoranthene
Concen: 49.343 ng
RT: 24.324 min Scan# 3580
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:252 Resp: 1325082

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	3.7	3.0	4.4

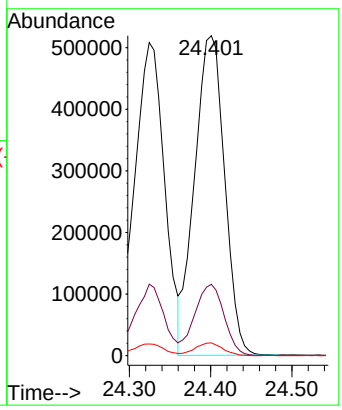




#89
Benzo(k)fluoranthene
Concen: 49.726 ng
RT: 24.401 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:252 Resp: 133232

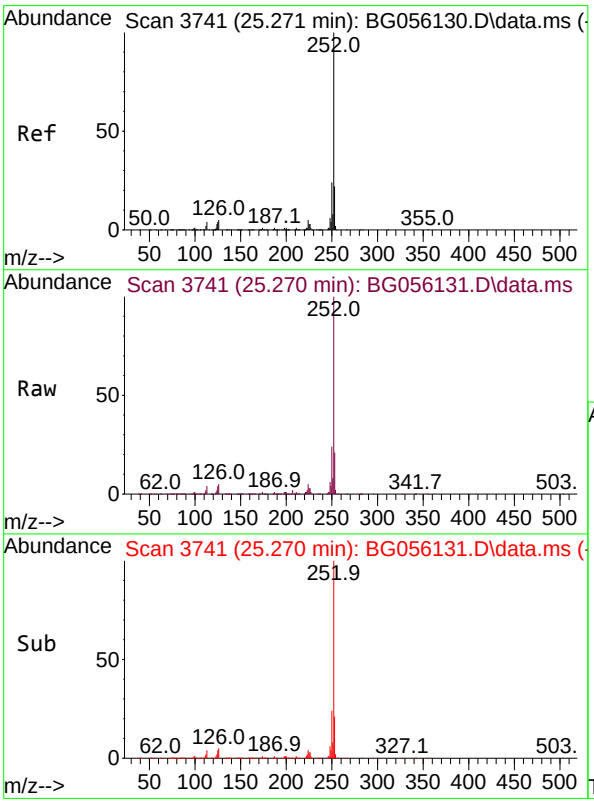
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	4.0	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

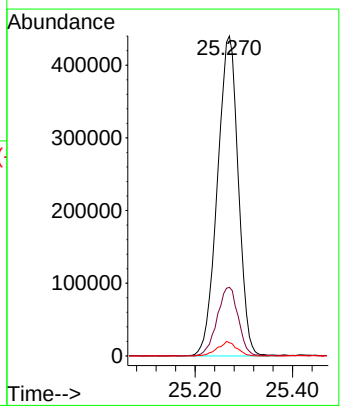
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

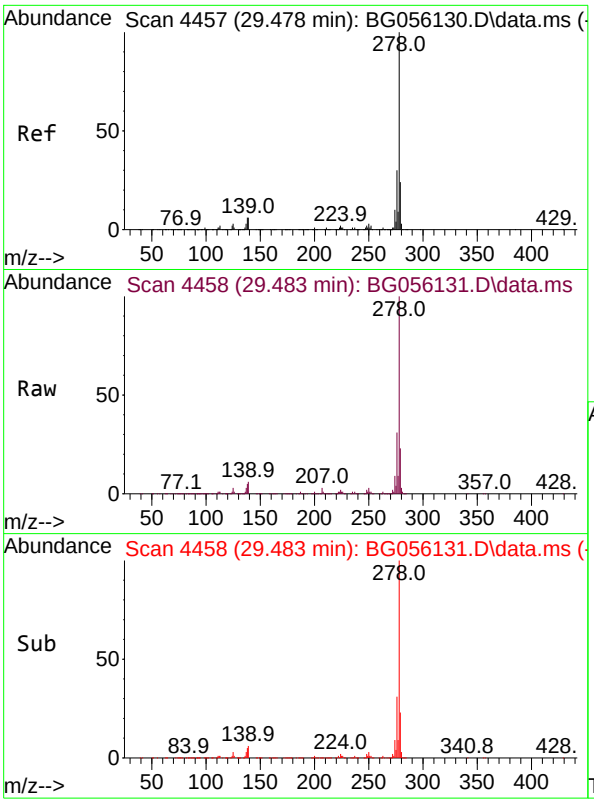


#90
Benzo(a)pyrene
Concen: 57.498 ng
RT: 25.270 min Scan# 3741
Delta R.T. -0.001 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:252 Resp: 1305182

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	4.2	3.2	4.8

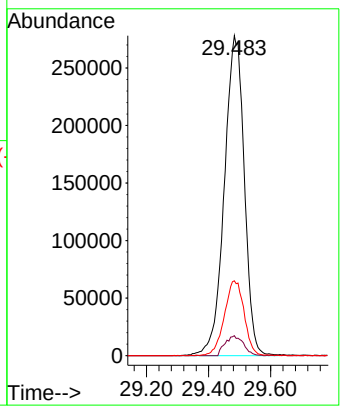




#91
Dibenzo(a,h)anthracene
Concen: 44.507 ng
RT: 29.483 min Scan# 44
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:278 Resp: 124299

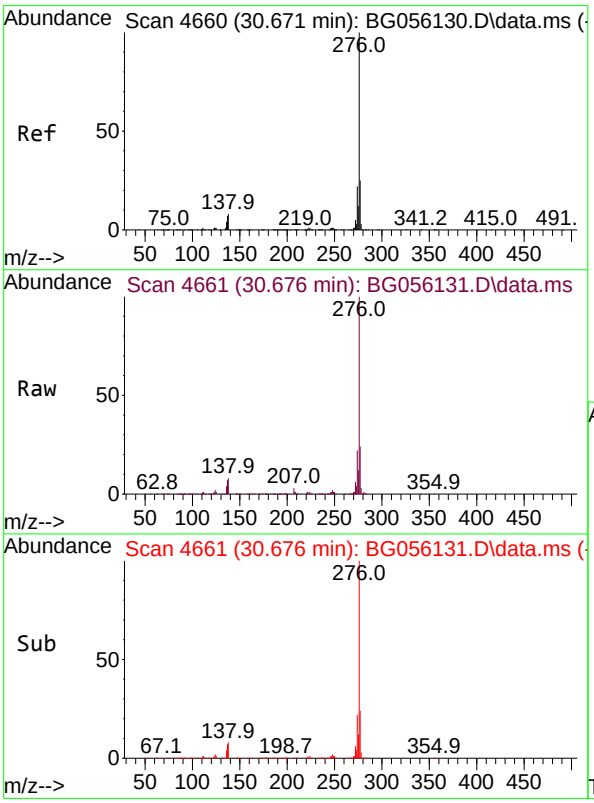
Ion	Ratio	Lower	Upper
278	100		
139	6.2	4.8	7.2
279	23.4	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

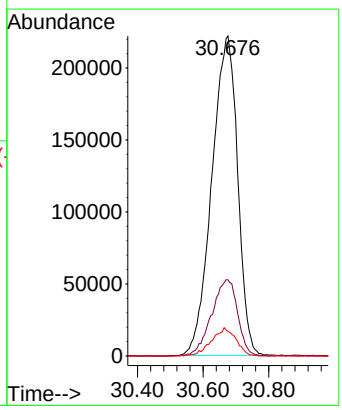
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#92
Benzo(g,h,i)perylene
Concen: 44.917 ng
RT: 30.676 min Scan# 4661
Delta R.T. 0.005 min
Lab File: BG056131.D
Acq: 27 Dec 2022 18:21

Tgt Ion:276 Resp: 1212852

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.7	29.5
138	7.6	6.7	10.1



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056132.D
Acq On : 27 Dec 2022 19:01
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 04:55:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.337	152	44616	20.000	ng		0.00
21) Naphthalene-d8	11.169	136	167505	20.000	ng		0.00
39) Acenaphthene-d10	14.947	164	145127	20.000	ng		0.00
64) Phenanthrene-d10	17.679	188	377578	20.000	ng		0.00
76) Chrysene-d12	21.980	240	362695	20.000	ng		0.00
86) Perylene-d12	25.423	264	399880	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.852	112	284046	149.305	ng		0.00
7) Phenol-d6	7.473	99	442507	180.850	ng		0.00
23) Nitrobenzene-d5	9.512	82	393395	164.122	ng		0.00
42) 2,4,6-Tribromophenol	16.422	330	220999	63.153	ng		0.00
45) 2-Fluorobiphenyl	13.578	172	1244872	120.302	ng		0.00
79) Terphenyl-d14	20.253	244	2332611	113.667	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.678	88	63859	115.342	ng		97
3) Pyridine	4.095	79	204482	112.228	ng		99
4) n-Nitrosodimethylamine	4.001	42	40248	24.573	ng	#	93
6) Aniline	7.650	93	291263	99.423	ng		98
8) 2-Chlorophenol	7.896	128	146940	59.868	ng		96
9) Benzaldehyde	7.462	77	120283	78.275	ng		97
10) Phenol	7.497	94	225162	84.081	ng		96
11) bis(2-Chloroethyl)ether	7.744	93	147657	84.650	ng		94
12) 1,3-Dichlorobenzene	8.226	146	171036	53.870	ng		93
13) 1,4-Dichlorobenzene	8.372	146	174250	53.702	ng		100
14) 1,2-Dichlorobenzene	8.701	146	167143	53.900	ng		99
15) Benzyl Alcohol	8.572	79	163326	64.240	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.860	45	25024	11.023	ng		91
17) 2-Methylphenol	8.766	107	166912	79.219	ng		99
18) Hexachloroethane	9.436	117	51644	52.433	ng		93
19) n-Nitroso-di-n-propyla...	9.142	70	128957	73.528	ng		97
20) 3+4-Methylphenols	9.101	107	238431	79.299	ng		98
22) Acetophenone	9.166	105	279931	67.415	ng	#	99
24) Nitrobenzene	9.559	77	191690	79.451	ng		97
25) Isophorone	10.076	82	405630	80.703	ng		98
26) 2-Nitrophenol	10.270	139	101445	71.027	ng		97
27) 2,4-Dimethylphenol	10.311	122	179963	75.026	ng		96
28) bis(2-Chloroethoxy)met...	10.552	93	207053	93.209	ng		99
29) 2,4-Dichlorophenol	10.805	162	208132	61.133	ng		93
30) 1,2,4-Trichlorobenzene	11.028	180	224716	50.775	ng		91
31) Naphthalene	11.222	128	531176	60.099	ng		99
32) Benzoic acid	10.458	122	146282	79.054	ng		96
33) 4-Chloroaniline	11.316	127	253528	66.913	ng		98
34) Hexachlorobutadiene	11.498	225	161592	38.837	ng		95
35) Caprolactam	12.097	113	67712	71.383	ng		93
36) 4-Chloro-3-methylphenol	12.409	107	209722	65.693	ng		97
37) 2-Methylnaphthalene	12.803	142	444711	56.951	ng		98
38) 1-Methylnaphthalene	13.020	142	416644	54.771	ng		96
40) 1,2,4,5-Tetrachloroben...	13.161	216	328779	53.694	ng		98
41) Hexachlorocyclopentadiene	13.137	237	196028	56.432	ng		96
43) 2,4,6-Trichlorophenol	13.390	196	221052	60.986	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056132.D
Acq On : 27 Dec 2022 19:01
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

Quant Time: Dec 28 04:55:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.461	196	256962	62.890	ng		99
46) 1,1'-Biphenyl	13.790	154	620984	63.127	ng		99
47) 2-Chloronaphthalene	13.837	162	493910	61.793	ng		97
48) 2-Nitroaniline	14.025	65	109792	82.115	ng		93
49) Acenaphthylene	14.677	152	795590	62.358	ng		99
50) Dimethylphthalate	14.389	163	688499	54.873	ng		98
51) 2,6-Dinitrotoluene	14.512	165	150393	77.456	ng		97
52) Acenaphthene	15.012	154	526026	61.415	ng		99
53) 3-Nitroaniline	14.841	138	144259	73.044	ng	#	98
54) 2,4-Dinitrophenol	15.041	184	113103	78.356	ng		97
55) Dibenzofuran	15.341	168	853114	59.231	ng		96
56) 4-Nitrophenol	15.129	139	111466	70.431	ng		95
57) 2,4-Dinitrotoluene	15.294	165	213949	72.999	ng		93
58) Fluorene	15.987	166	678831	57.655	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.558	232	244409m	52.360	ng		
60) Diethylphthalate	15.734	149	638492	52.064	ng		99
61) 4-Chlorophenyl-phenyle...	15.969	204	429000	53.486	ng		100
62) 4-Nitroaniline	15.999	138	145184	67.503	ng		97
63) Azobenzene	16.263	77	491212	65.808	ng		98
65) 4,6-Dinitro-2-methylph...	16.052	198	160865	89.186	ng		96
66) n-Nitrosodiphenylamine	16.181	169	626907	63.359	ng		98
67) 4-Bromophenyl-phenylether	16.862	248	286478	51.779	ng		99
68) Hexachlorobenzene	16.986	284	268042	39.332	ng		95
69) Atrazine	17.115	200	255647	57.062	ng		98
70) Pentachlorophenol	17.327	266	220397	56.570	ng		97
71) Phenanthrene	17.726	178	1159749	58.611	ng		99
72) Anthracene	17.814	178	1186058	60.588	ng		100
73) Carbazole	18.079	167	997725	61.797	ng		99
74) Di-n-butylphthalate	18.607	149	1007109	53.638	ng		99
75) Fluoranthene	19.712	202	1493613	53.906	ng		99
77) Benzidine	19.877	184	751287	117.950	ng		99
78) Pyrene	20.070	202	1485690	67.695	ng		98
80) Butylbenzylphthalate	20.934	149	444587	71.489	ng		97
81) Benzo(a)anthracene	21.956	228	1514550	59.343	ng		99
82) 3,3'-Dichlorobenzidine	21.857	252	540932	58.909	ng		97
83) Chrysene	22.027	228	1413740	59.104	ng		99
84) Bis(2-ethylhexyl)phtha...	21.827	149	628704	68.046	ng		99
85) Di-n-octyl phthalate	23.114	149	1059106	67.576	ng		100
87) Indeno(1,2,3-cd)pyrene	29.424	276	1774359	55.180	ng		99
88) Benzo(b)fluoranthene	24.324	252	1546422	59.754	ng		99
89) Benzo(k)fluoranthene	24.401	252	1491785	57.775	ng		100
90) Benzo(a)pyrene	25.270	252	1470467	67.219	ng		99
91) Dibenzo(a,h)anthracene	29.489	278	1459609	54.232	ng		98
92) Benzo(g,h,i)perylene	30.670	276	1430336	54.966	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

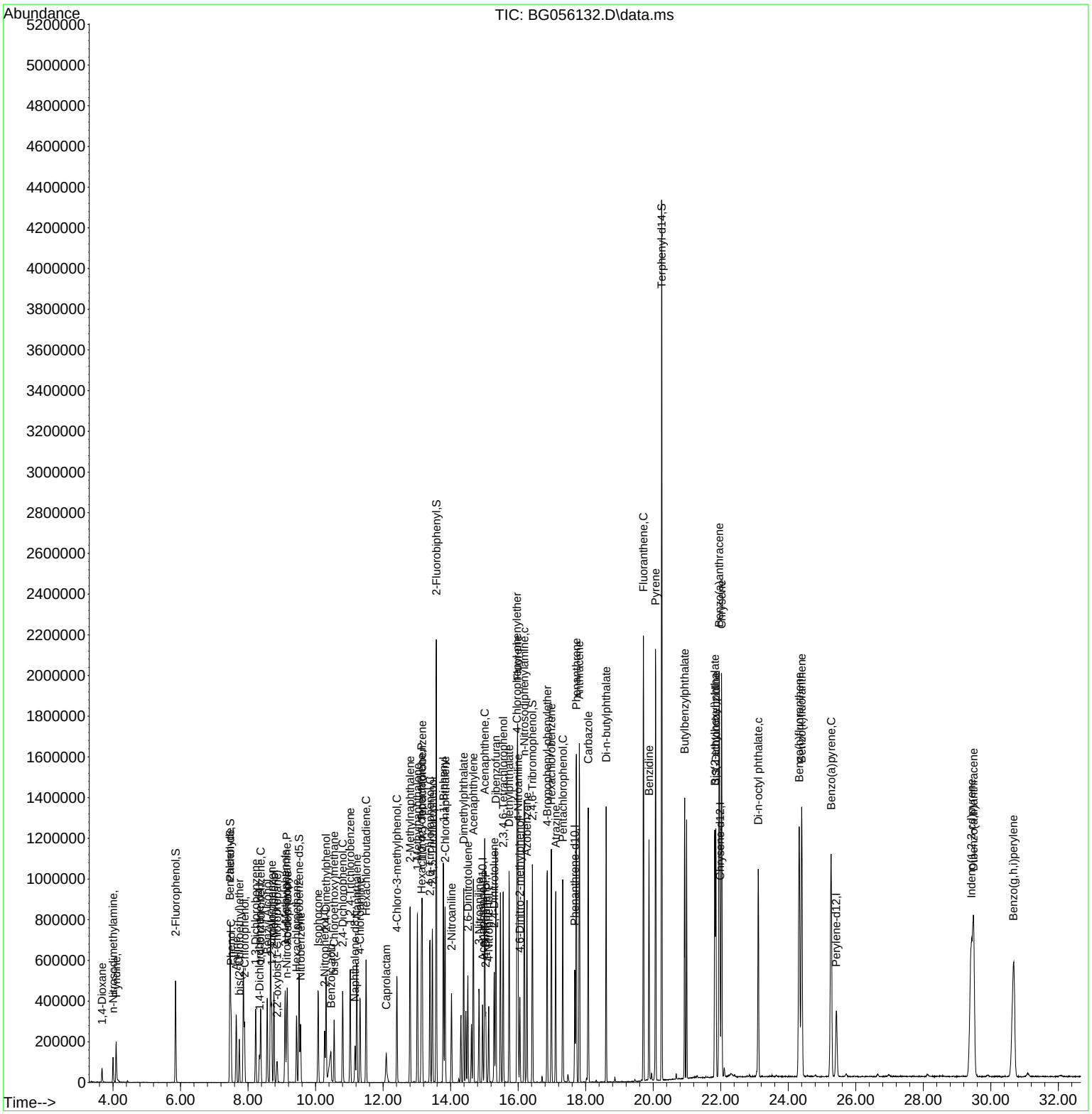
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056132.D
Acq On : 27 Dec 2022 19:01
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

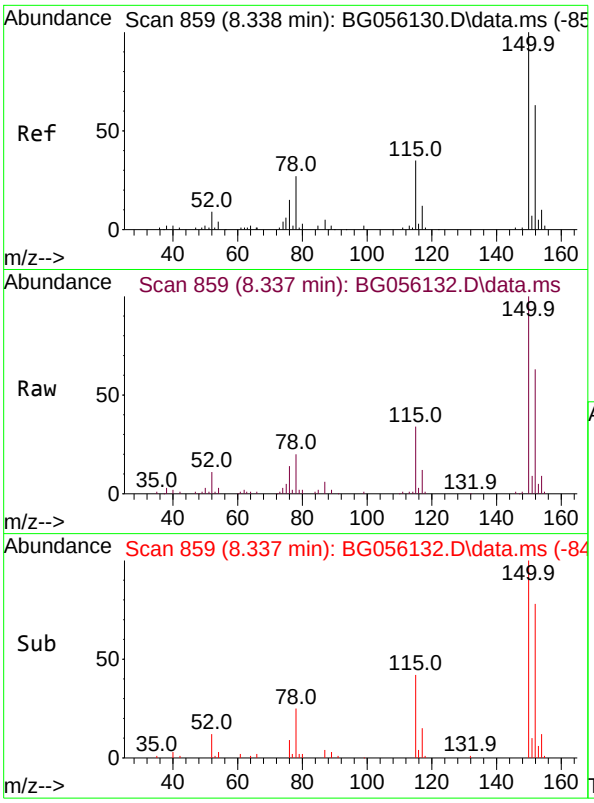
Quant Time: Dec 28 04:55:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

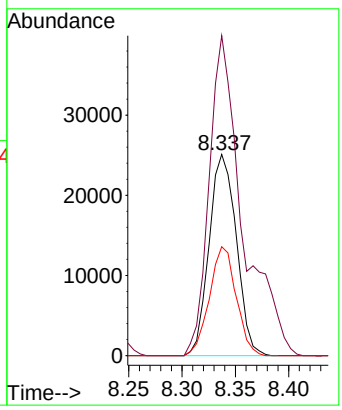




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.337 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:152 Resp: 4461

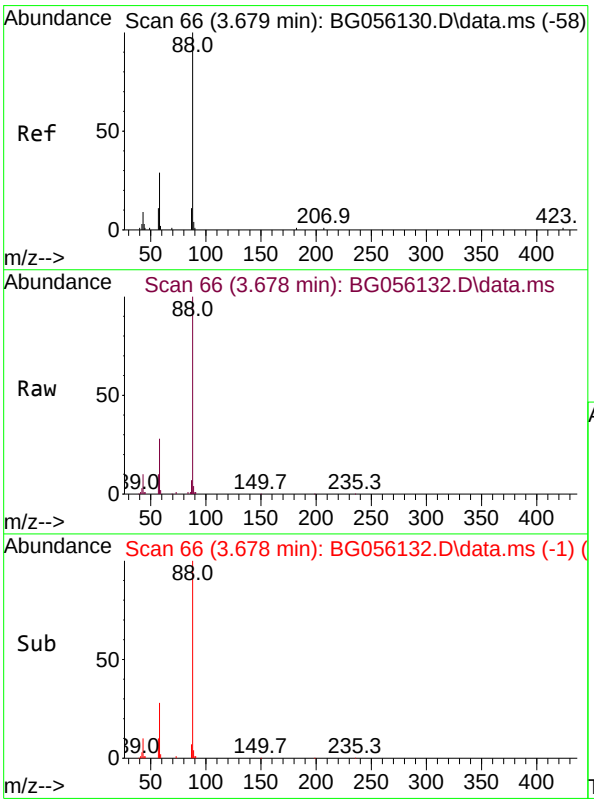
Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.9	191.9
115	54.1	44.2	66.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

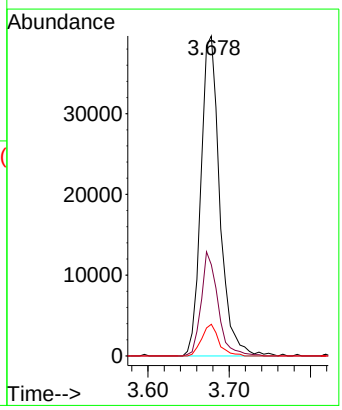
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

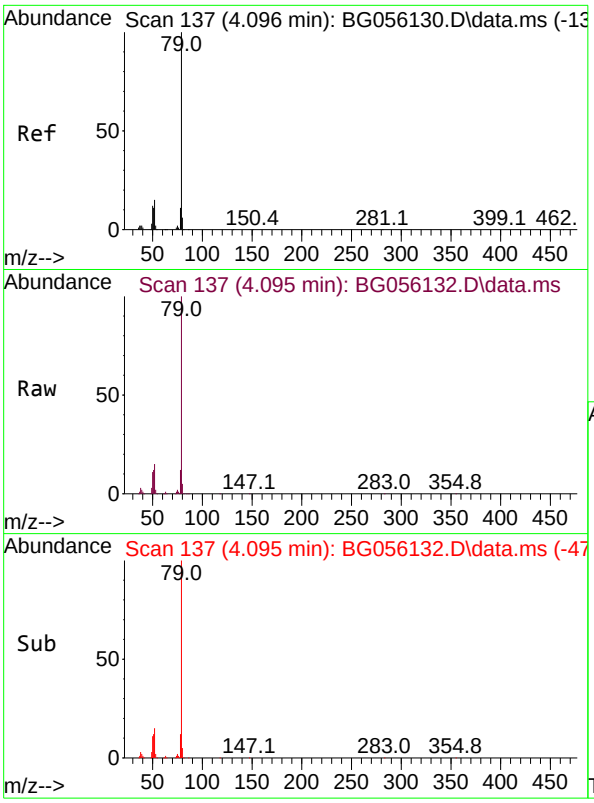


#2
1,4-Dioxane
Concen: 115.342 ng
RT: 3.678 min Scan# 66
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 88 Resp: 63859

Ion	Ratio	Lower	Upper
88	100		
58	28.9	21.4	32.0
43	9.0	7.1	10.7

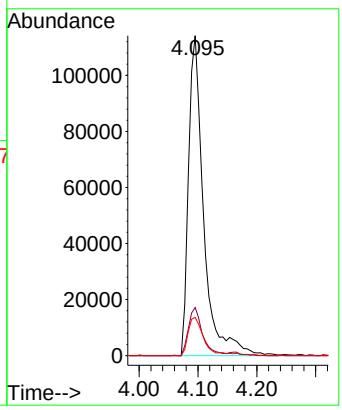




#3
Pyridine
Concen: 112.228 ng
RT: 4.095 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 79 Resp: 20448

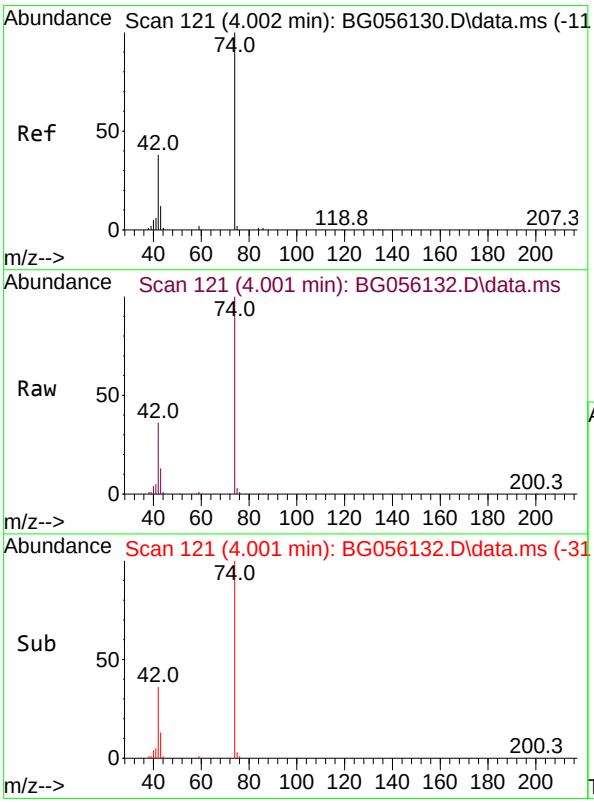
Ion	Ratio	Lower	Upper
79	100		
52	15.0	11.8	17.6
51	11.9	8.8	13.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

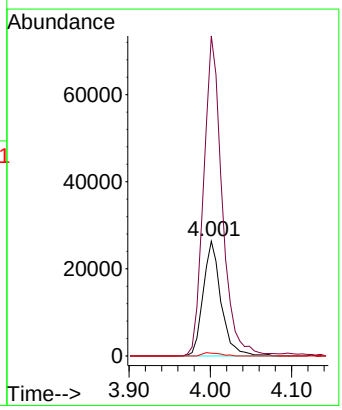
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

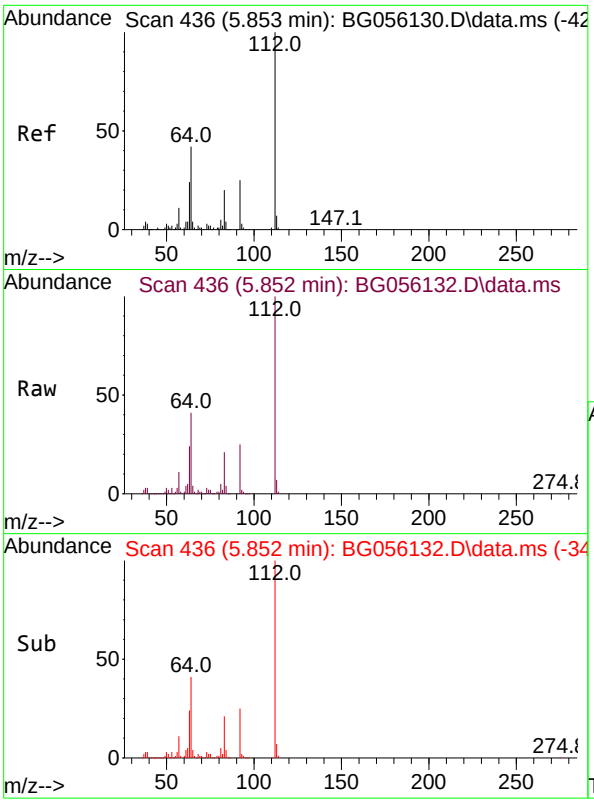


#4
n-Nitrosodimethylamine
Concen: 24.573 ng
RT: 4.001 min Scan# 121
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 42 Resp: 40248

Ion	Ratio	Lower	Upper
42	100		
74	279.2	212.6	319.0
44	2.3	2.6	3.8#

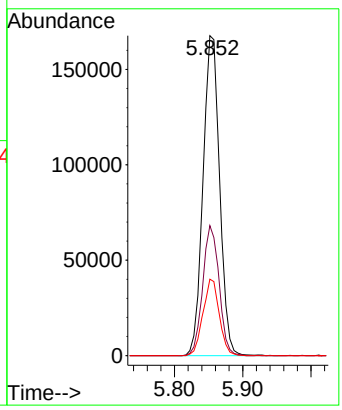




#5
2-Fluorophenol
Concen: 149.305 ng
RT: 5.852 min Scan# 4
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:112 Resp: 28404

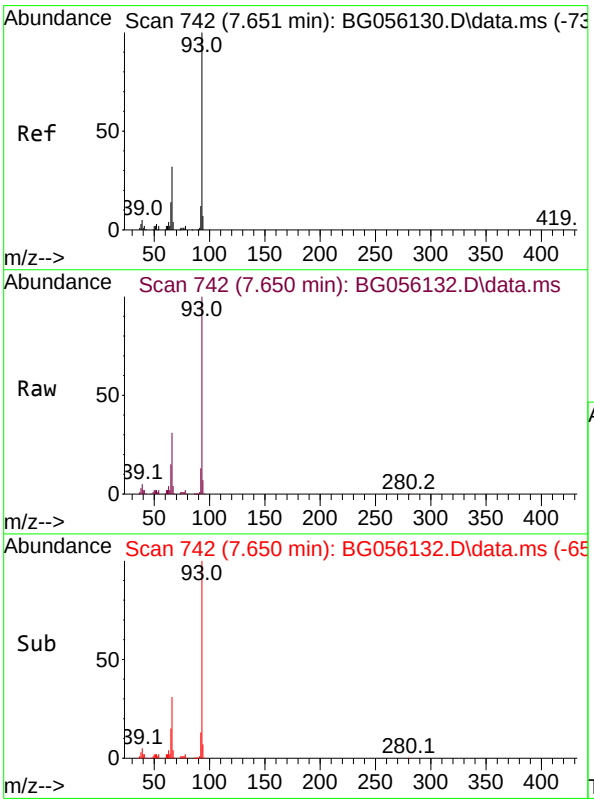
Ion	Ratio	Lower	Upper
112	100		
64	40.6	33.3	49.9
63	23.9	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

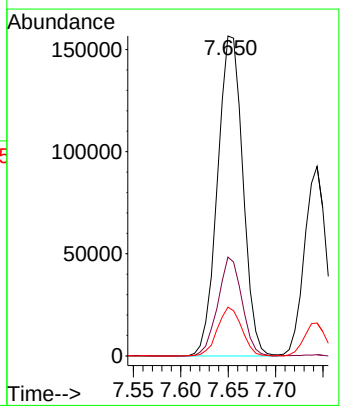
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

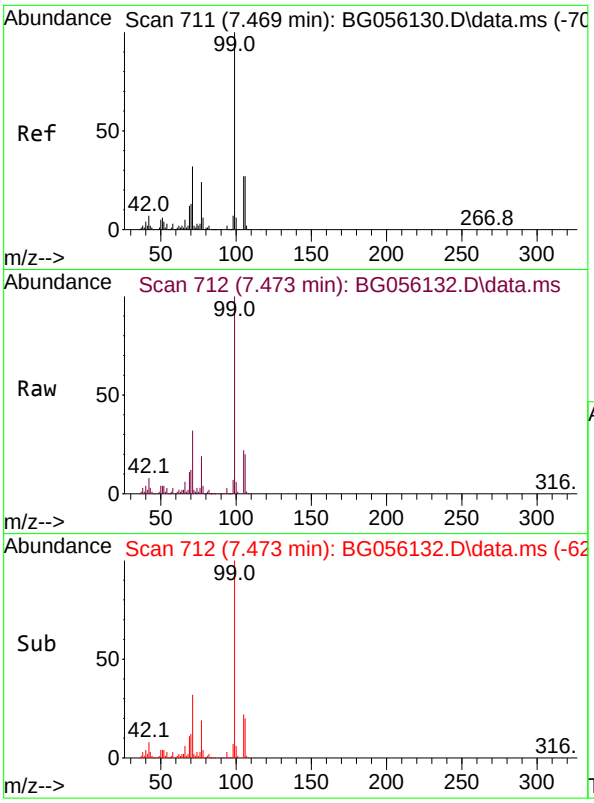


#6
Aniline
Concen: 99.423 ng
RT: 7.650 min Scan# 742
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 93 Resp: 291263

Ion	Ratio	Lower	Upper
93	100		
66	30.9	25.4	38.2
65	15.2	11.4	17.2

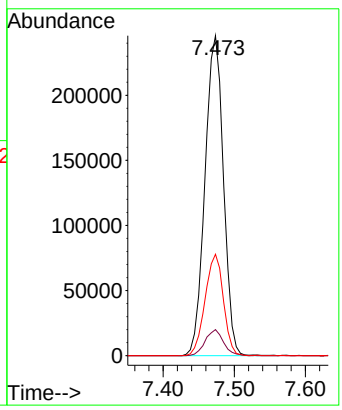




#7
Phenol-d6
Concen: 180.850 ng
RT: 7.473 min Scan# 7
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 99 Resp: 44250

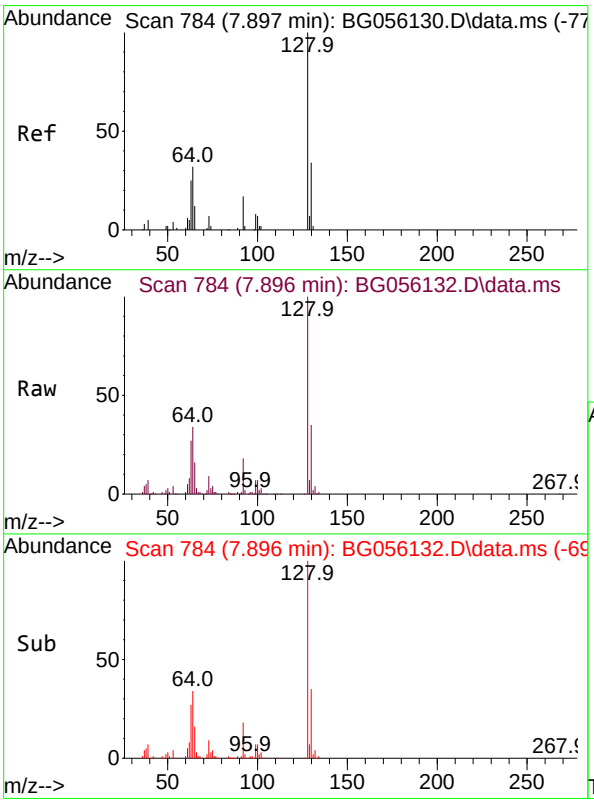
Ion	Ratio	Lower	Upper
99	100		
42	8.1	5.9	8.9
71	31.7	25.4	38.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

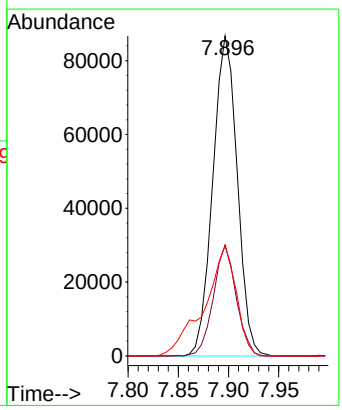
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

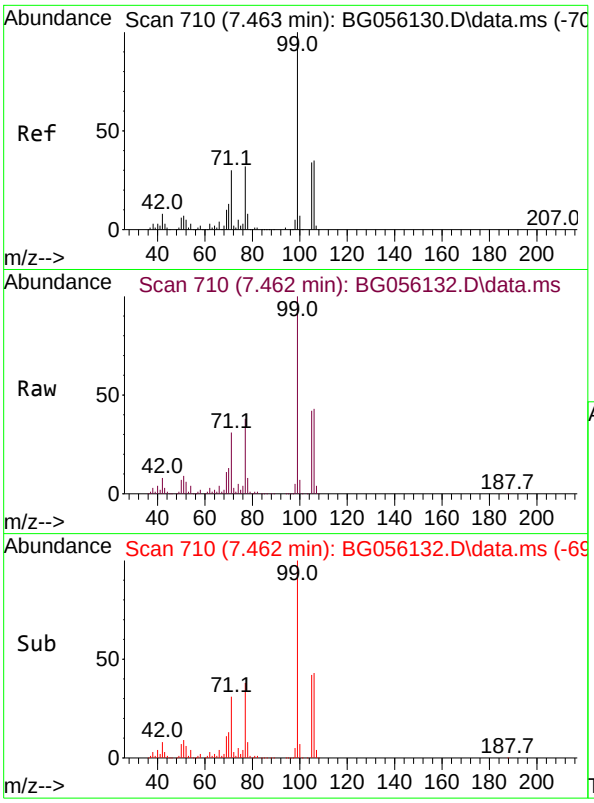


#8
2-Chlorophenol
Concen: 59.868 ng
RT: 7.896 min Scan# 784
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:128 Resp: 146940

Ion	Ratio	Lower	Upper
128	100		
130	34.7	13.5	53.5
64	34.4	18.0	58.0

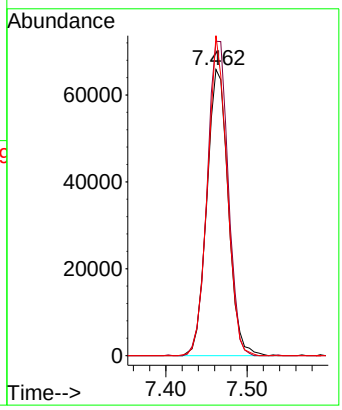




#9
Benzaldehyde
Concen: 78.275 ng
RT: 7.462 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 77 Resp: 12028

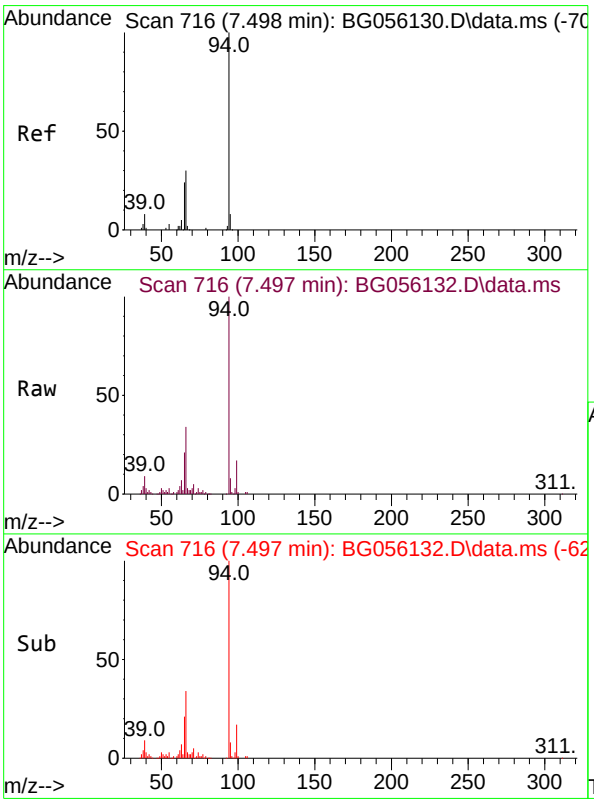
Ion	Ratio	Lower	Upper
77	100		
105	109.8	86.8	126.8
106	111.8	89.3	129.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

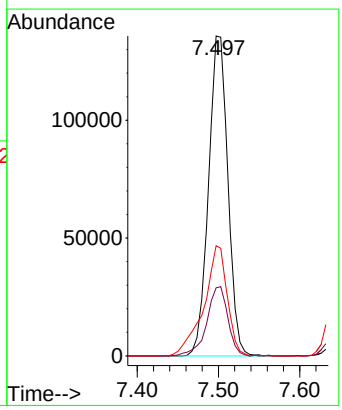
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

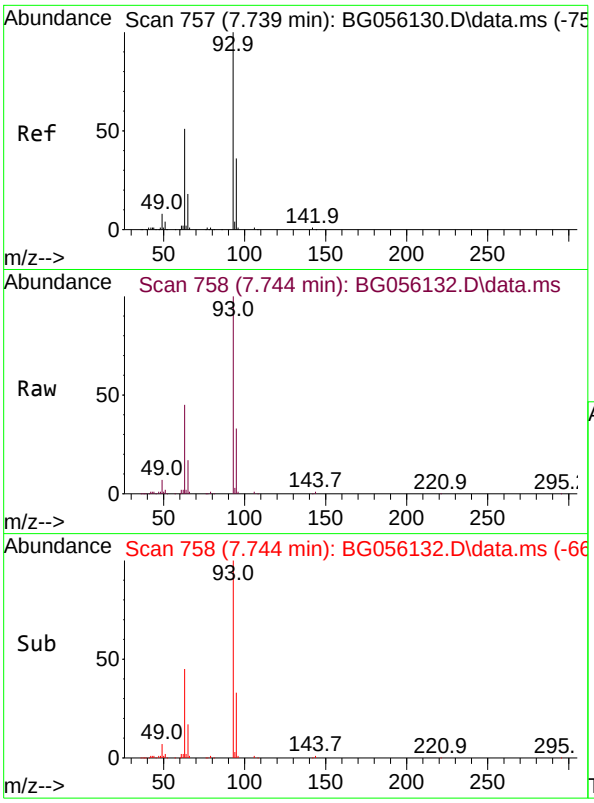


#10
Phenol
Concen: 84.081 ng
RT: 7.497 min Scan# 716
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 94 Resp: 225162

Ion	Ratio	Lower	Upper
94	100		
65	21.3	4.3	44.3
66	34.4	13.2	53.2

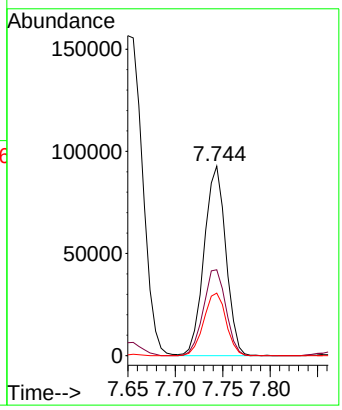




#11
bis(2-Chloroethyl)ether
Concen: 84.650 ng
RT: 7.744 min Scan# 7
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 93 Resp: 14765

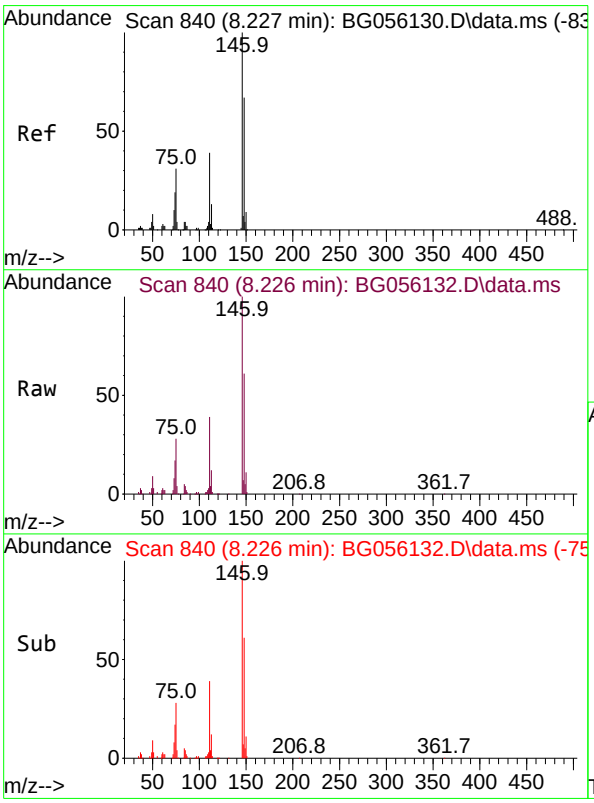
Ion	Ratio	Lower	Upper
93	100		
63	45.3	30.5	70.5
95	32.9	15.9	55.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

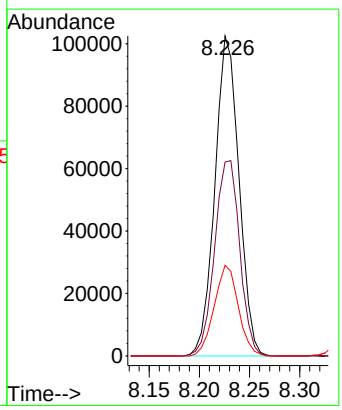
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

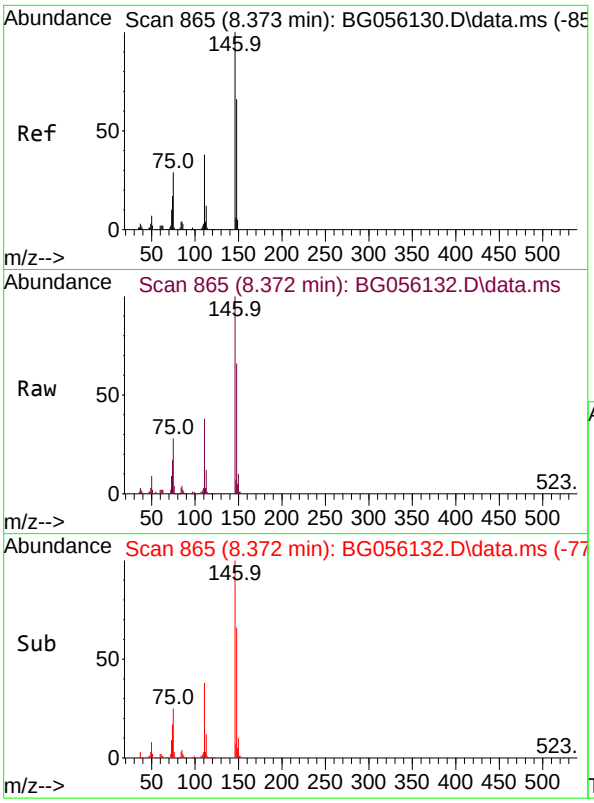


#12
1,3-Dichlorobenzene
Concen: 53.870 ng
RT: 8.226 min Scan# 840
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:146 Resp: 171036

Ion	Ratio	Lower	Upper
146	100		
148	60.6	53.5	80.3
75	28.3	24.8	37.2





#13
1,4-Dichlorobenzene
Concen: 53.702 ng
RT: 8.372 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

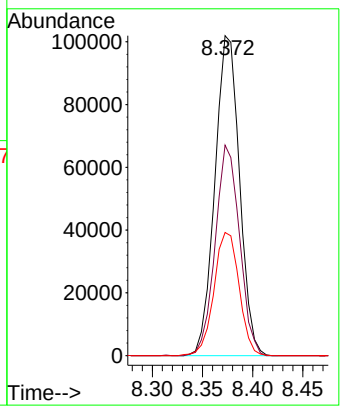
Tgt Ion:146 Resp: 17425

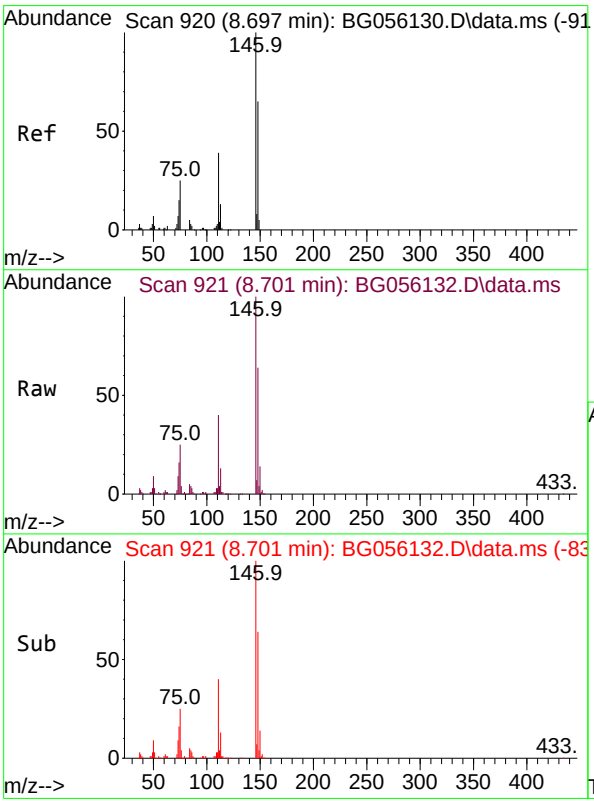
Ion	Ratio	Lower	Upper
146	100		
148	65.8	52.8	79.2
111	38.5	30.5	45.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

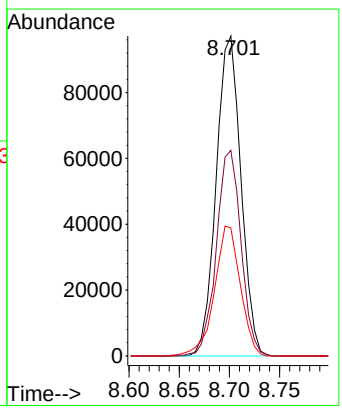


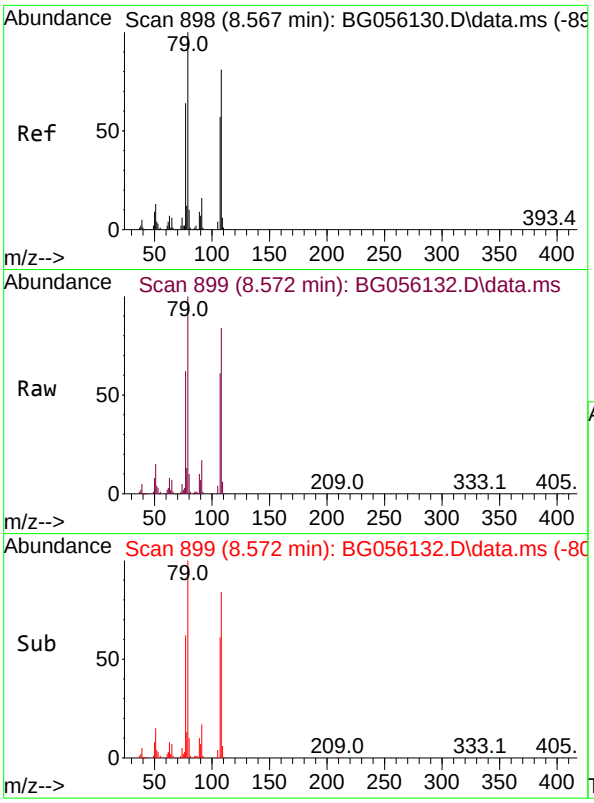


#14
1,2-Dichlorobenzene
Concen: 53.900 ng
RT: 8.701 min Scan# 921
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:146 Resp: 167143

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.7	77.5
111	40.0	31.5	47.3





#15
Benzyl Alcohol
Concen: 64.240 ng
RT: 8.572 min Scan# 89
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

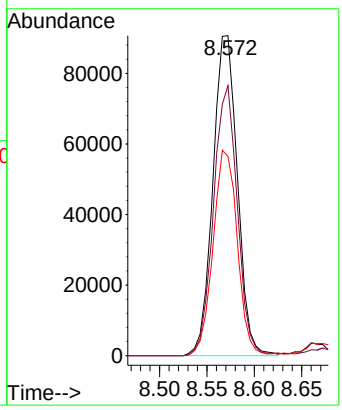
Tgt Ion: 79 Resp: 16332

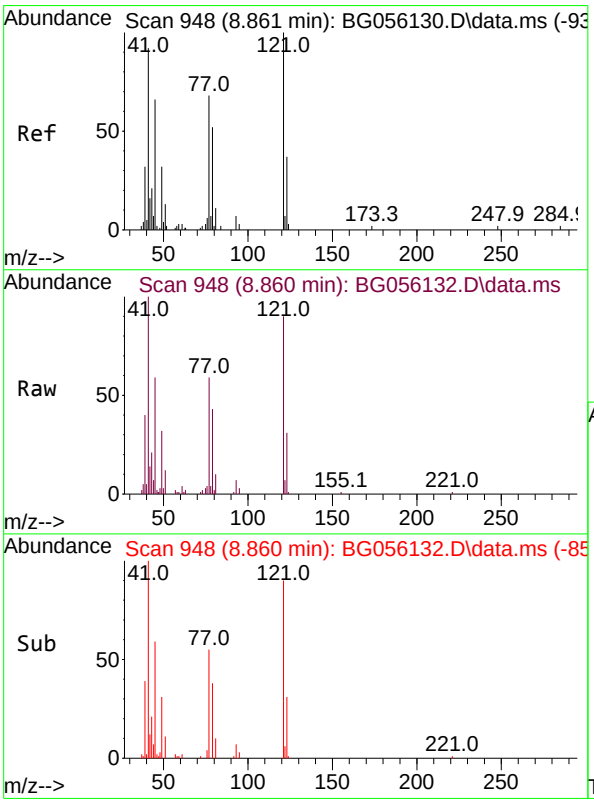
Ion	Ratio	Lower	Upper
79	100		
108	84.4	64.7	97.1
77	62.2	51.5	77.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

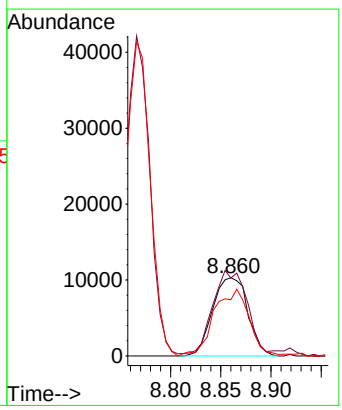


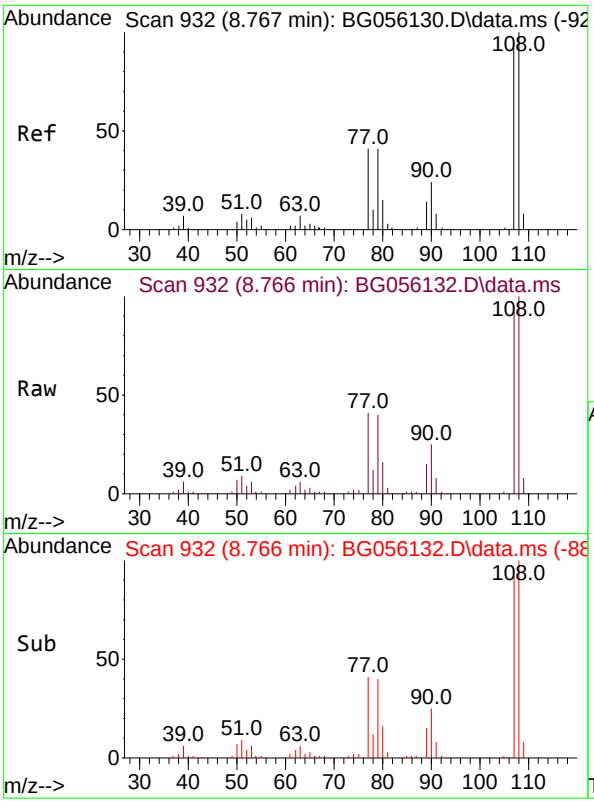


#16
2,2'-oxybis(1-Chloropropane)
Concen: 11.023 ng
RT: 8.860 min Scan# 948
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 45 Resp: 25024

Ion	Ratio	Lower	Upper
45	100		
77	99.4	88.2	128.2
79	71.8	61.2	101.2

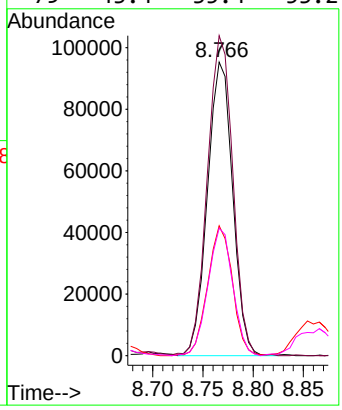




#17
2-Methylphenol
Concen: 79.219 ng
RT: 8.766 min Scan# 9
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:107 Resp: 16691

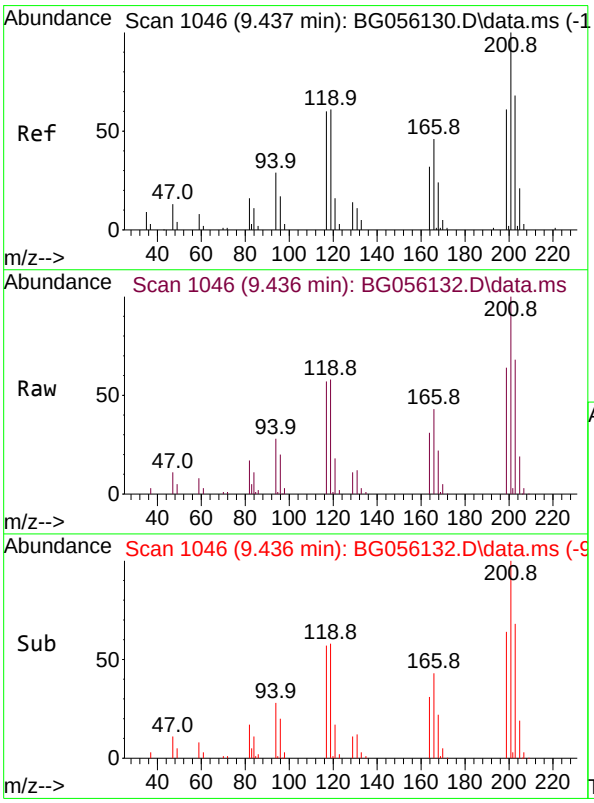
Ion	Ratio	Lower	Upper
107	100		
108	109.0	86.6	129.8
77	44.2	35.4	53.2
79	43.4	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

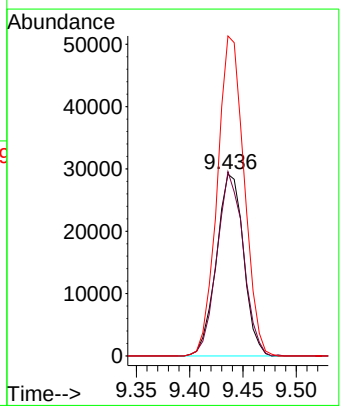
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

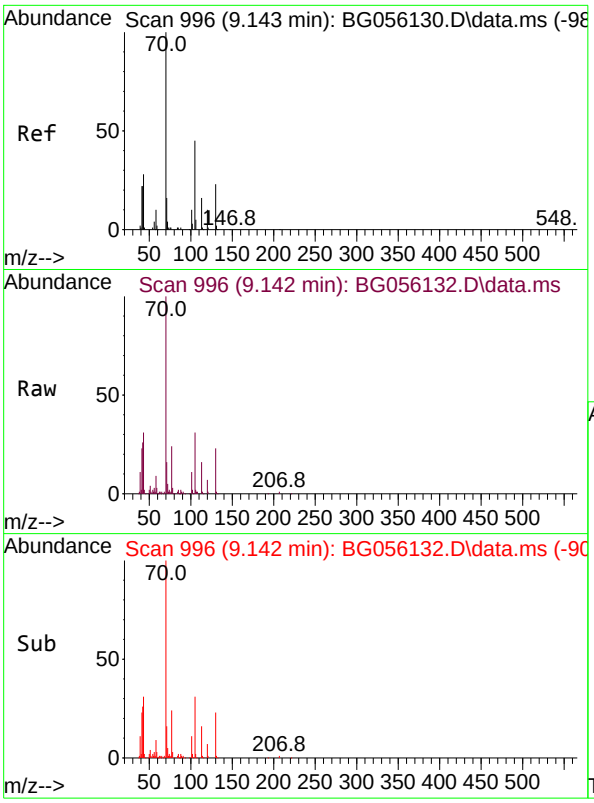


#18
Hexachloroethane
Concen: 52.433 ng
RT: 9.436 min Scan# 1046
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:117 Resp: 51644

Ion	Ratio	Lower	Upper
117	100		
119	101.4	81.8	122.6
201	181.8	134.2	201.2

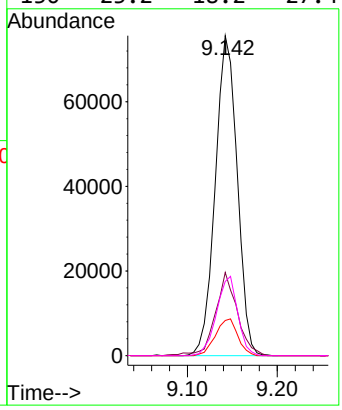




#19
n-Nitroso-di-n-propylamine
Concen: 73.528 ng
RT: 9.142 min Scan# 99
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 70 Resp: 12895

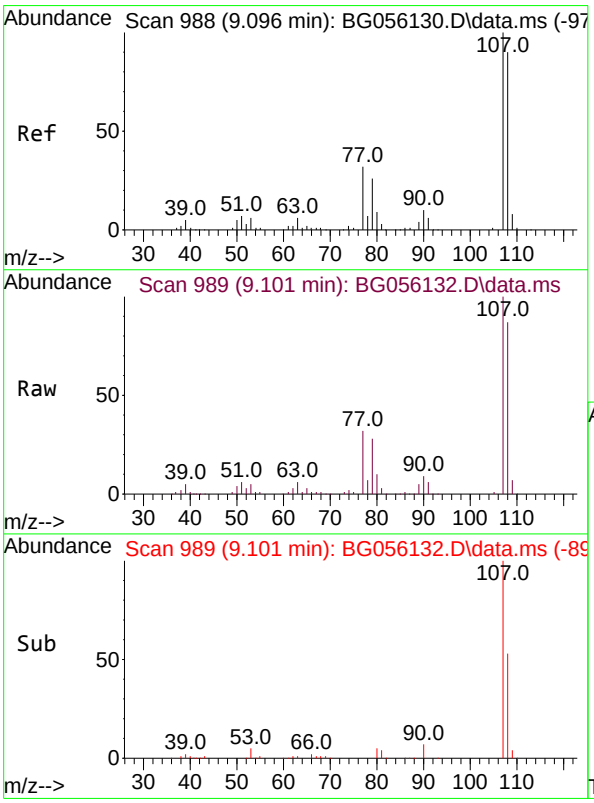
Ion	Ratio	Lower	Upper
70	100		
42	26.0	18.2	27.2
101	11.0	8.3	12.5
130	23.2	18.2	27.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

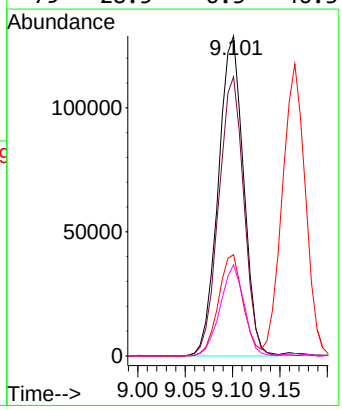
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

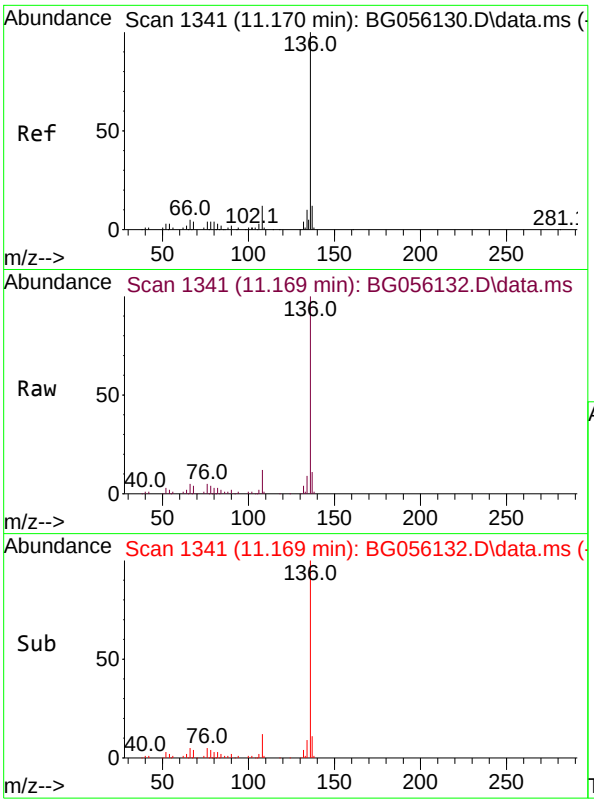


#20
3+4-Methylphenols
Concen: 79.299 ng
RT: 9.101 min Scan# 989
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:107 Resp: 238431

Ion	Ratio	Lower	Upper
107	100		
108	87.2	69.6	109.6
77	31.6	11.7	51.7
79	28.5	6.3	46.3

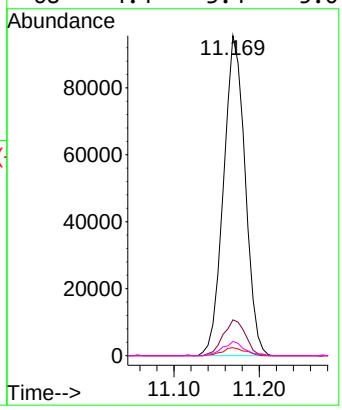




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.169 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:136 Resp: 16750

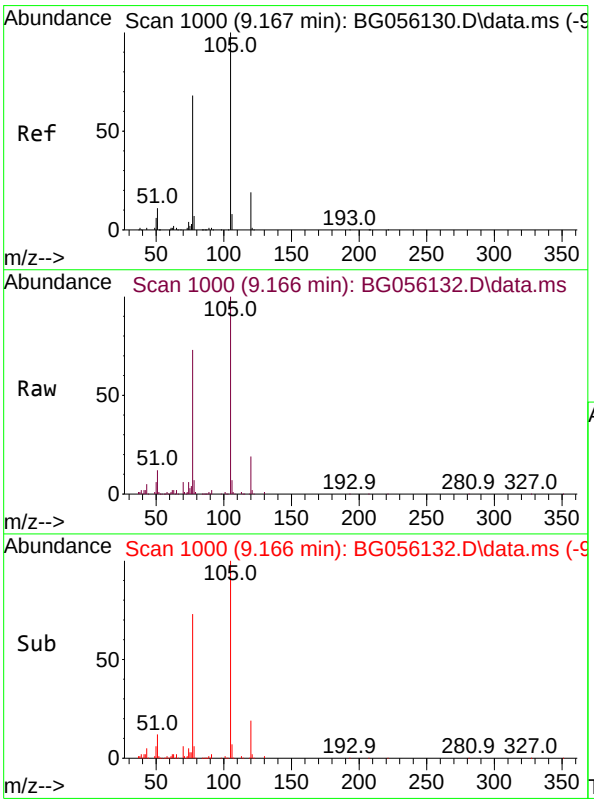
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	2.5	2.2	3.2
68	4.4	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

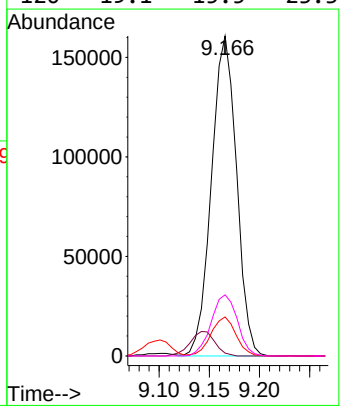
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

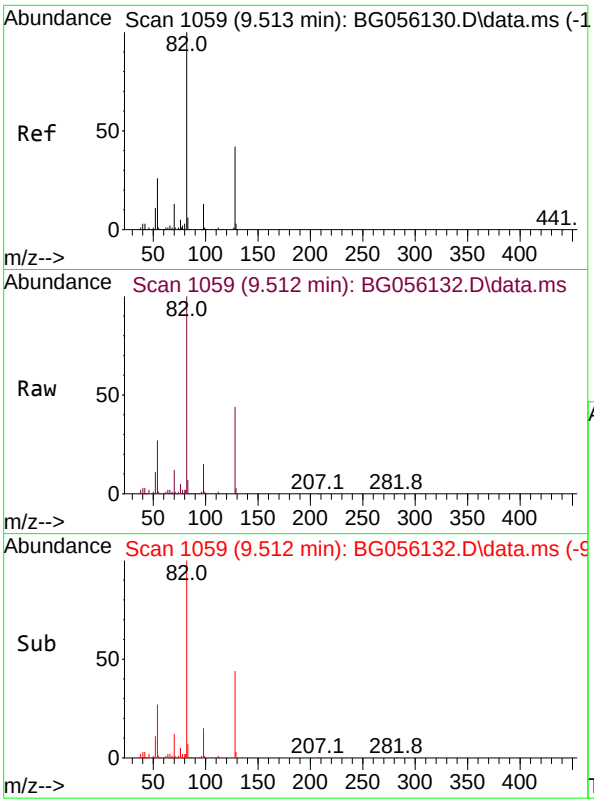


#22
Acetophenone
Concen: 67.415 ng
RT: 9.166 min Scan# 1000
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:105 Resp: 279931

Ion	Ratio	Lower	Upper
105	100		
71	0.9	0.5	0.7#
51	12.2	9.3	13.9
120	19.1	15.5	23.3

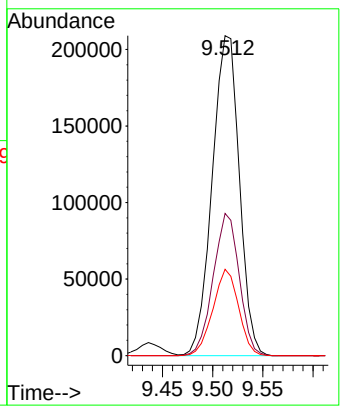




#23
Nitrobenzene-d5
Concen: 164.122 ng
RT: 9.512 min Scan# 10
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 82 Resp: 39339

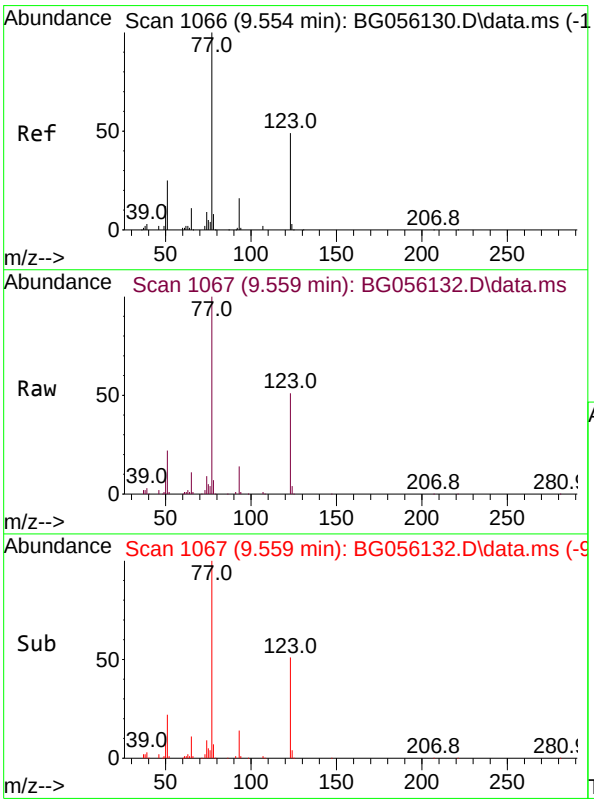
Ion	Ratio	Lower	Upper
82	100		
128	44.4	33.4	50.2
54	27.0	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

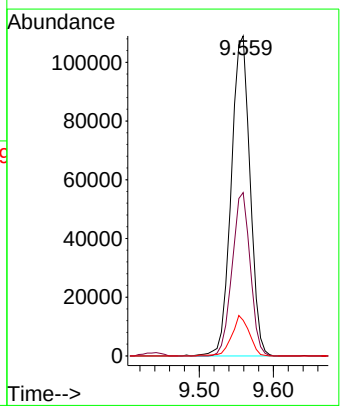
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

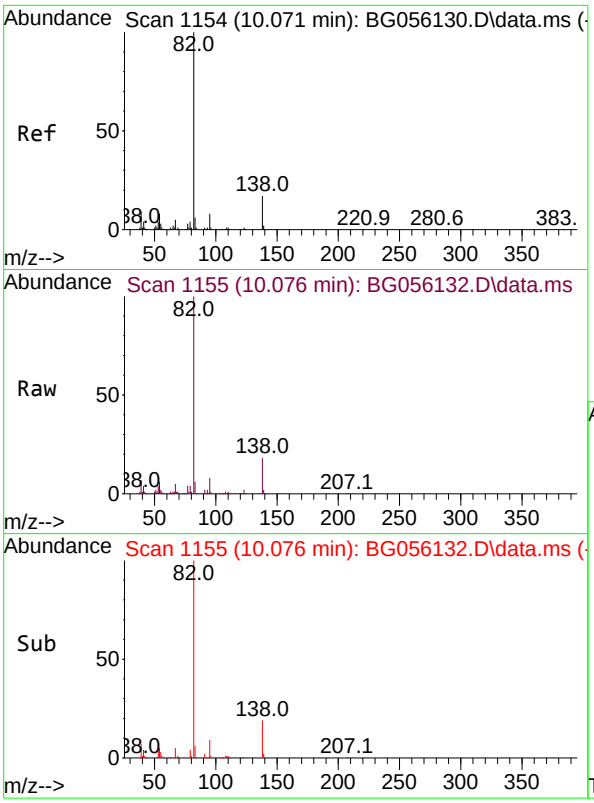


#24
Nitrobenzene
Concen: 79.451 ng
RT: 9.559 min Scan# 1067
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 77 Resp: 191690

Ion	Ratio	Lower	Upper
77	100		
123	51.0	38.8	58.2
65	11.1	9.1	13.7

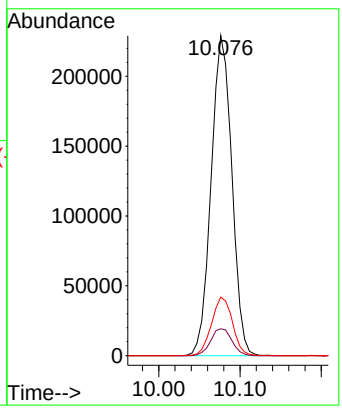




#25
Isophorone
Concen: 80.703 ng
RT: 10.076 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 82 Resp: 40563

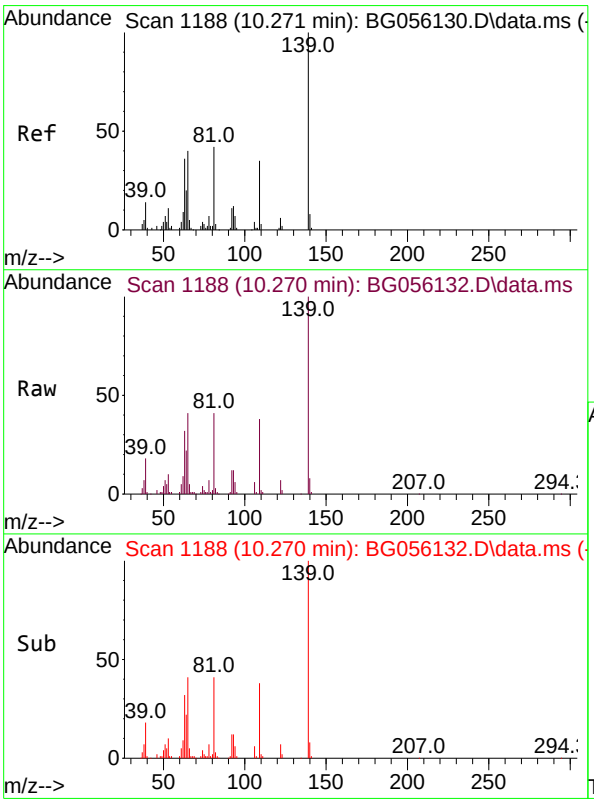
Ion	Ratio	Lower	Upper
82	100		
95	8.4	6.7	10.1
138	18.3	13.7	20.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

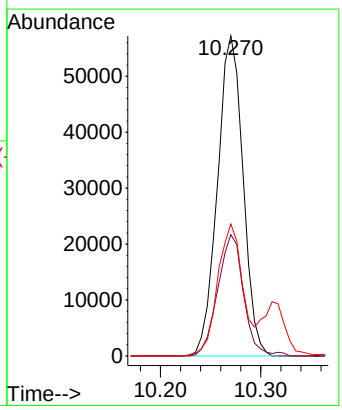
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

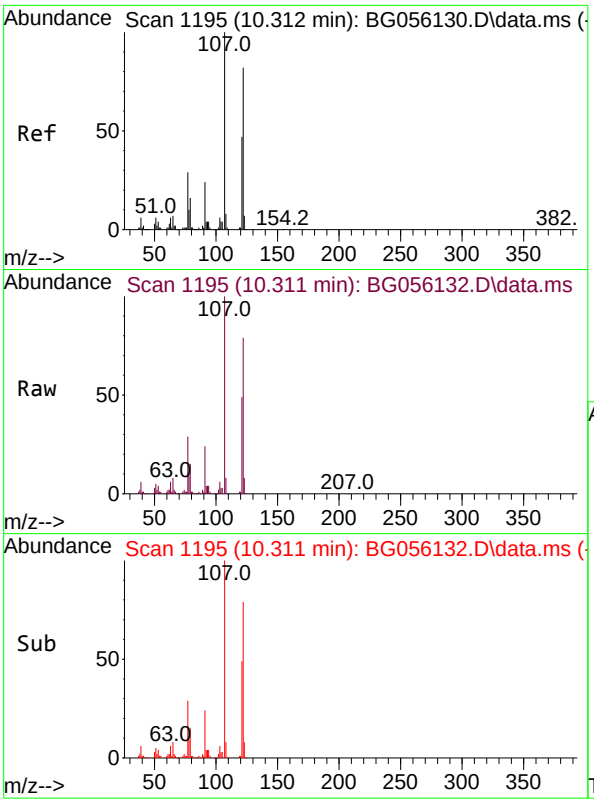


#26
2-Nitrophenol
Concen: 71.027 ng
RT: 10.270 min Scan# 1188
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:139 Resp: 101445

Ion	Ratio	Lower	Upper
139	100		
109	37.9	28.4	42.6
65	41.2	32.1	48.1

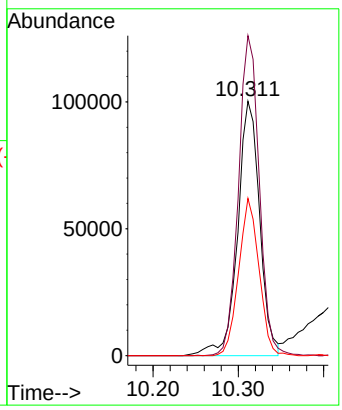




#27
2,4-Dimethylphenol
Concen: 75.026 ng
RT: 10.311 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:122 Resp: 17996

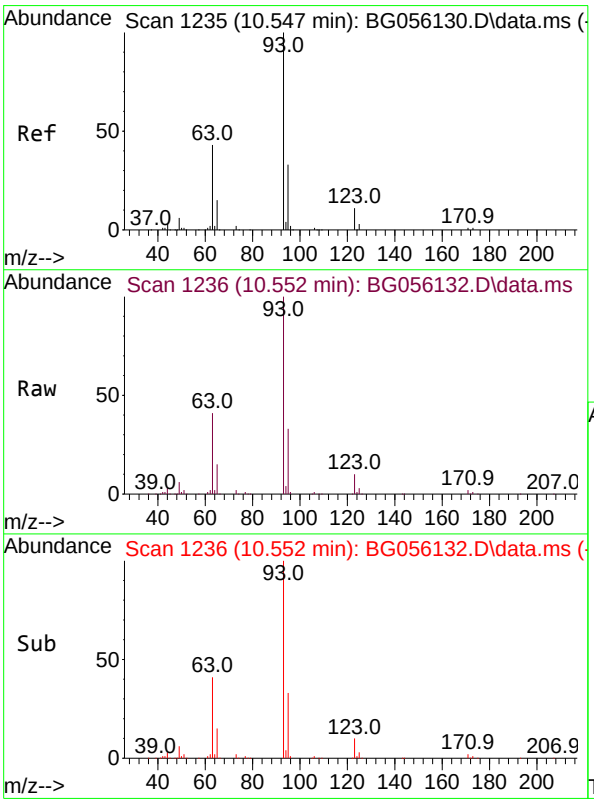
Ion	Ratio	Lower	Upper
122	100		
107	125.9	97.5	146.3
121	61.8	45.9	68.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

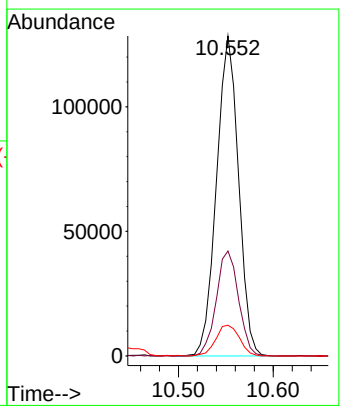
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

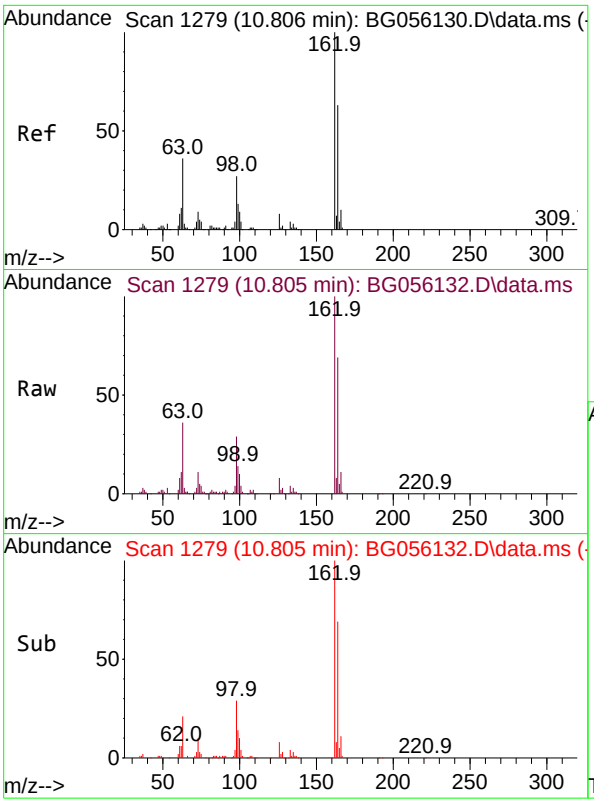


#28
bis(2-Chloroethoxy)methane
Concen: 93.209 ng
RT: 10.552 min Scan# 1236
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 93 Resp: 207053

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.2
123	9.6	9.0	13.6

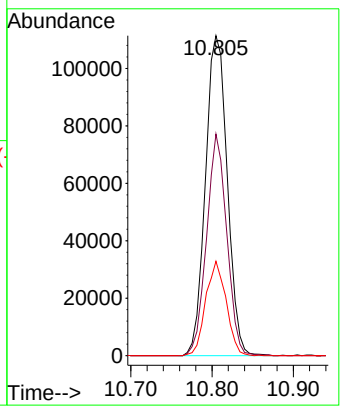




#29
2,4-Dichlorophenol
Concen: 61.133 ng
RT: 10.805 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:162 Resp: 20813

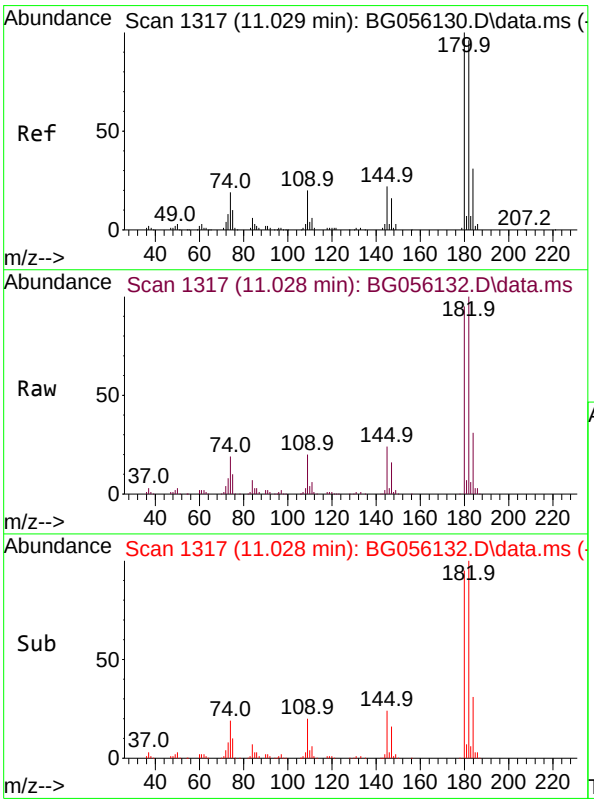
Ion	Ratio	Lower	Upper
162	100		
164	69.2	43.3	83.3
98	29.5	6.8	46.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

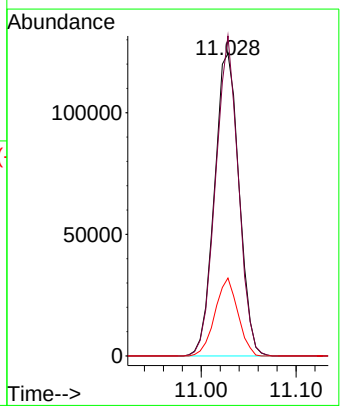
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

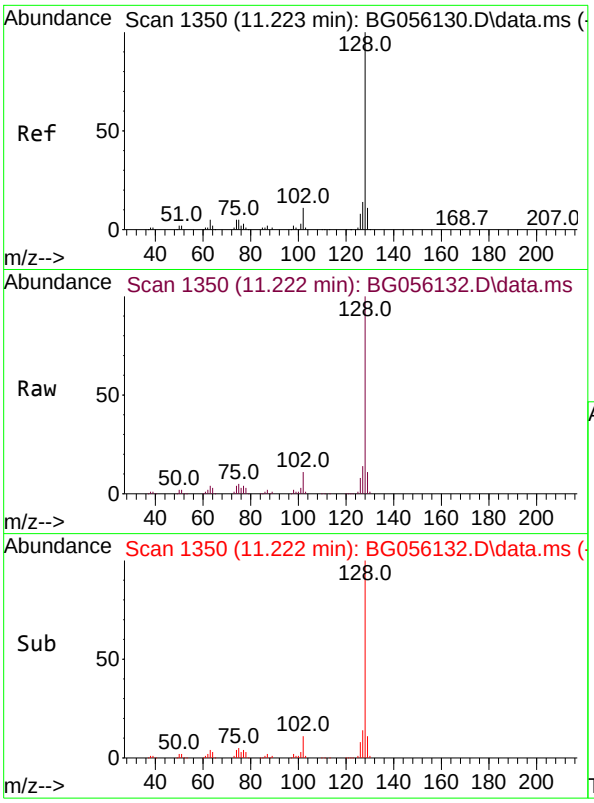


#30
1,2,4-Trichlorobenzene
Concen: 50.775 ng
RT: 11.028 min Scan# 1317
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:180 Resp: 224716

Ion	Ratio	Lower	Upper
180	100		
182	105.8	77.0	115.4
145	25.7	17.4	26.2

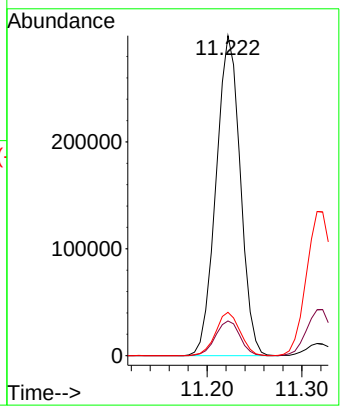




#31
Naphthalene
Concen: 60.099 ng
RT: 11.222 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:128 Resp: 53117

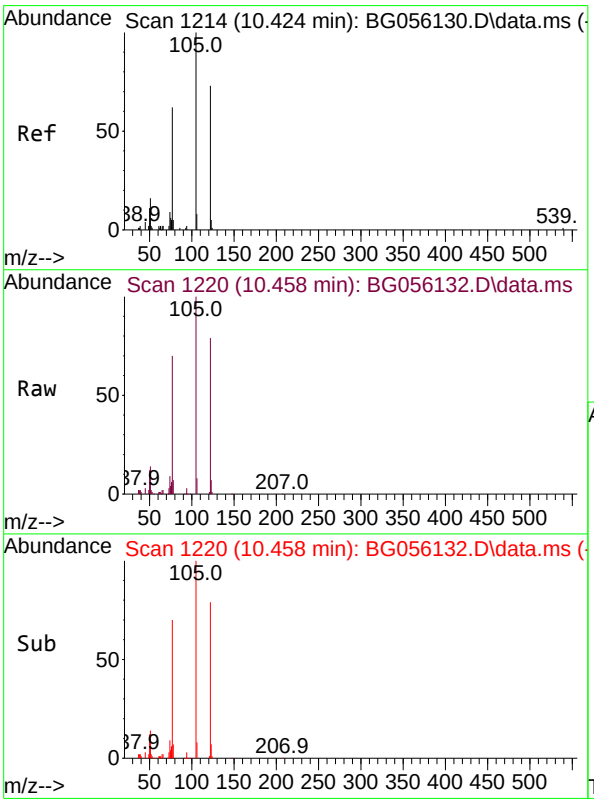
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.5	11.2	16.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

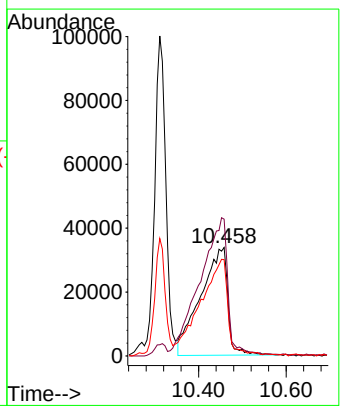
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

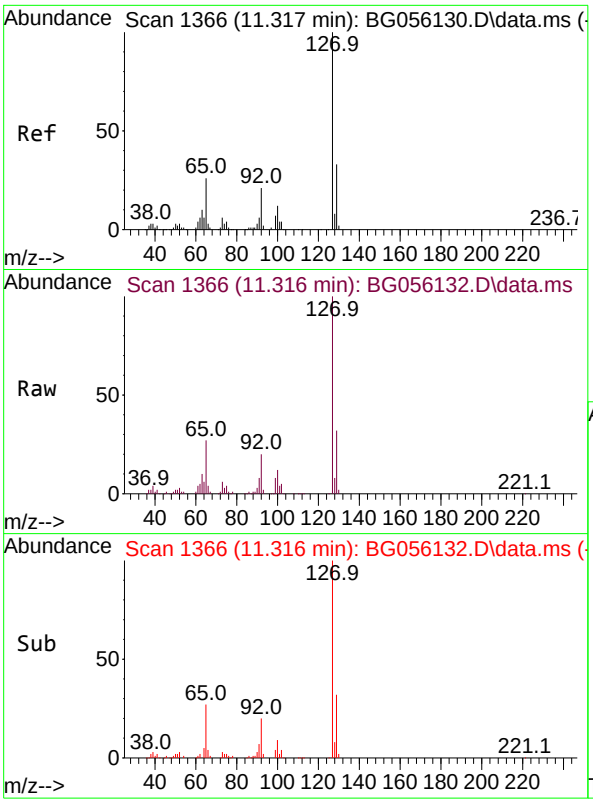


#32
Benzoic acid
Concen: 79.054 ng
RT: 10.458 min Scan# 1220
Delta R.T. 0.034 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:122 Resp: 146282

Ion	Ratio	Lower	Upper
122	100		
105	126.1	109.0	149.0
77	88.7	63.1	103.1

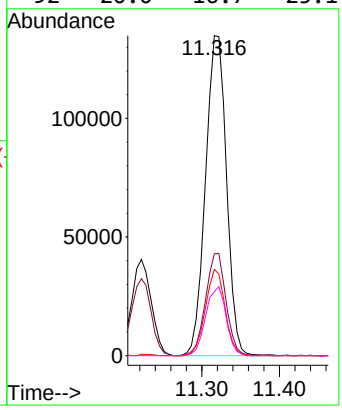




#33
4-Chloroaniline
Concen: 66.913 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:127 Resp: 25352

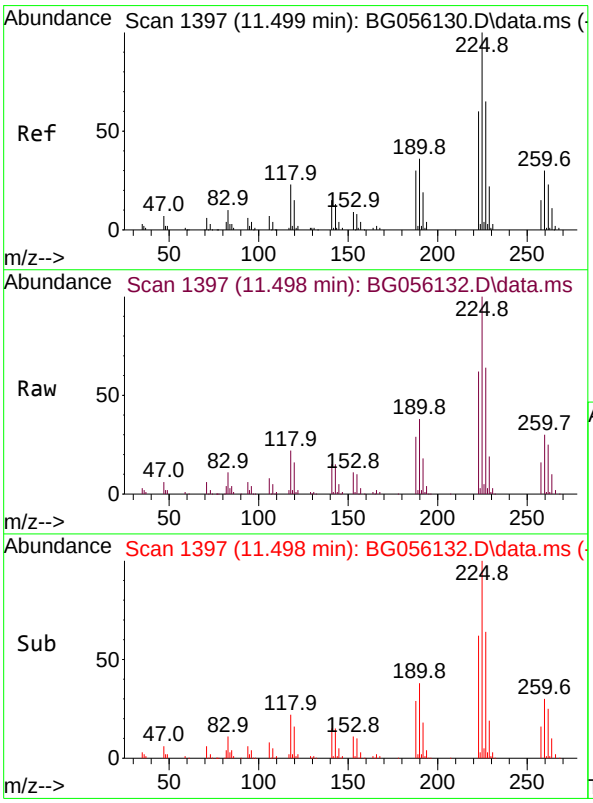
Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.1	39.1
65	26.9	20.9	31.3
92	20.0	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

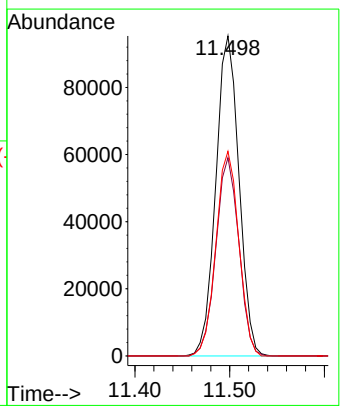
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

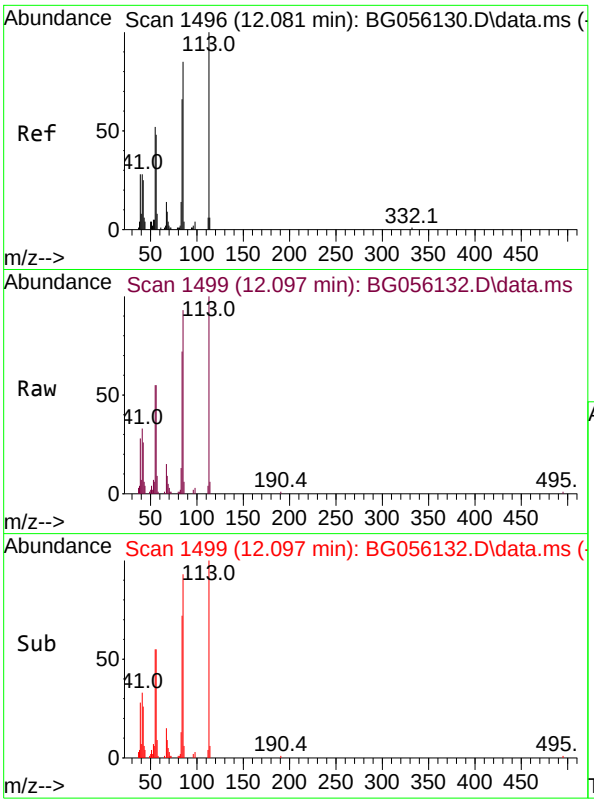


#34
Hexachlorobutadiene
Concen: 38.837 ng
RT: 11.498 min Scan# 1397
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:225 Resp: 161592

Ion	Ratio	Lower	Upper
225	100		
223	65.4	47.7	71.5
227	63.9	52.3	78.5

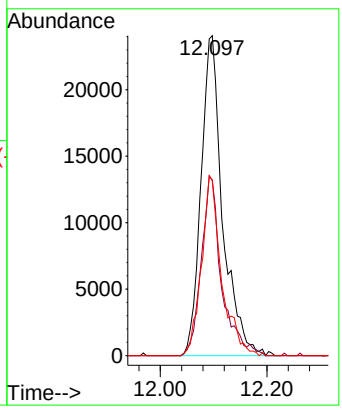




#35
Caprolactam
Concen: 71.383 ng
RT: 12.097 min Scan# 14
Delta R.T. 0.017 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:113 Resp: 6771

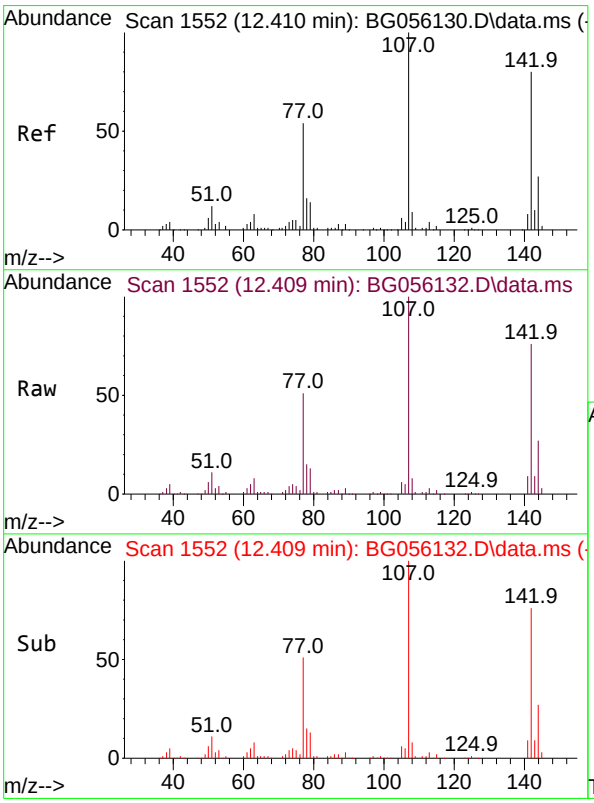
Ion	Ratio	Lower	Upper
113	100		
55	54.9	31.9	71.9
56	54.7	27.6	67.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

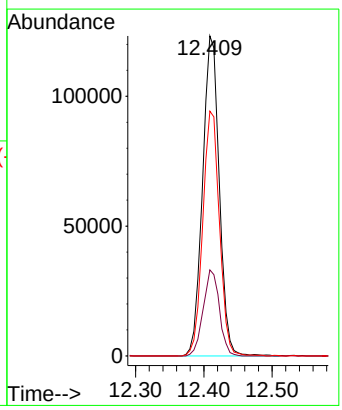
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

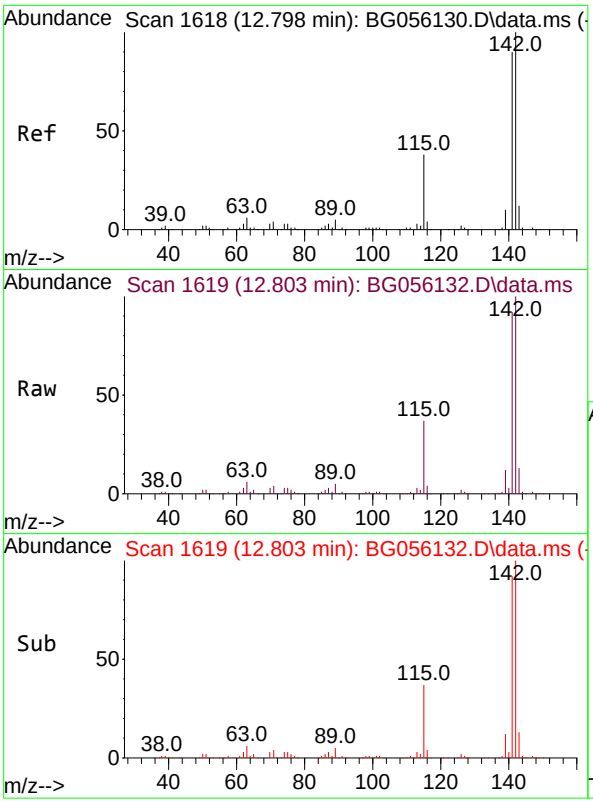


#36
4-Chloro-3-methylphenol
Concen: 65.693 ng
RT: 12.409 min Scan# 1552
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:107 Resp: 209722

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.5	32.3
142	76.5	63.8	95.6

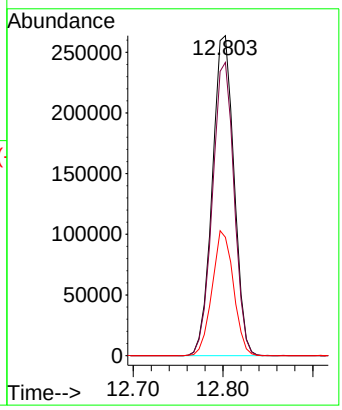




#37
2-Methylnaphthalene
Concen: 56.951 ng
RT: 12.803 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:142 Resp: 44471

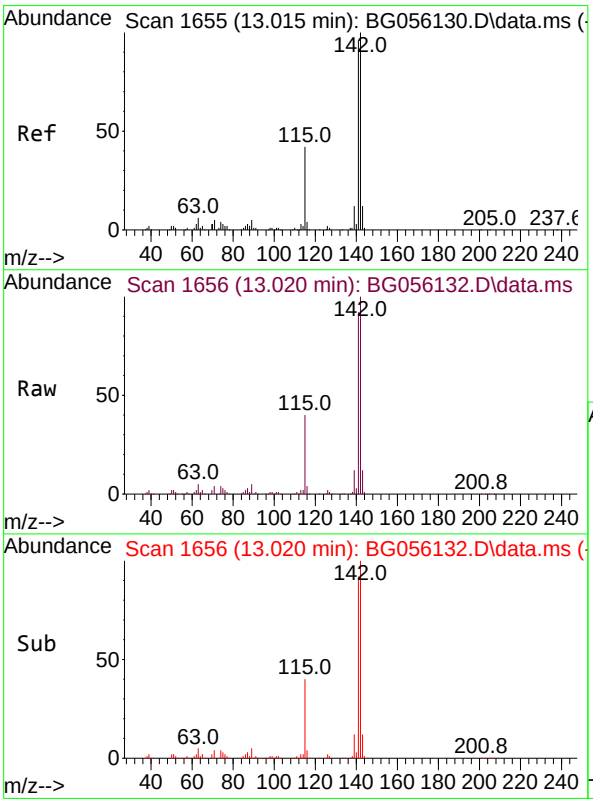
Ion	Ratio	Lower	Upper
142	100		
141	91.6	72.2	108.4
115	37.0	30.7	46.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

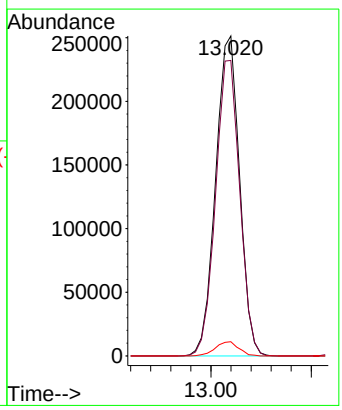
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

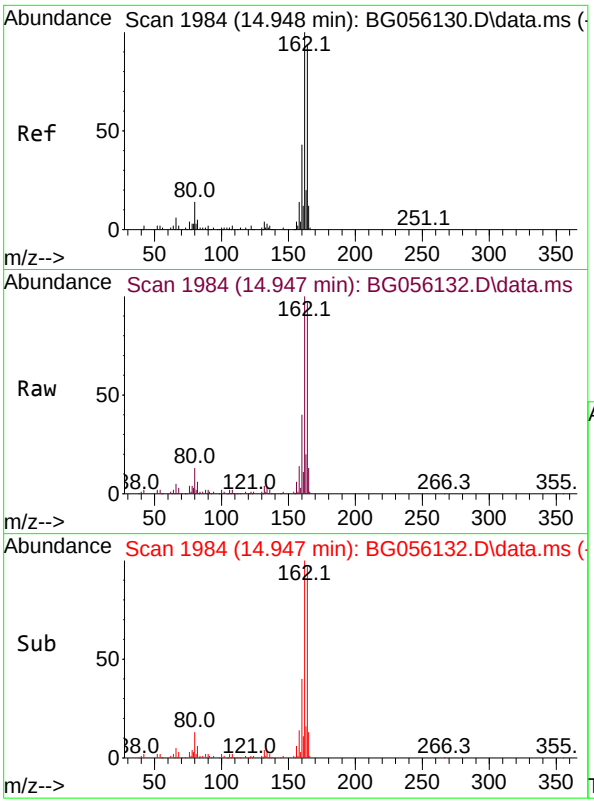


#38
1-Methylnaphthalene
Concen: 54.771 ng
RT: 13.020 min Scan# 1656
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:142 Resp: 416644

Ion	Ratio	Lower	Upper
142	100		
141	92.3	77.0	115.6
116	4.4	3.6	5.4

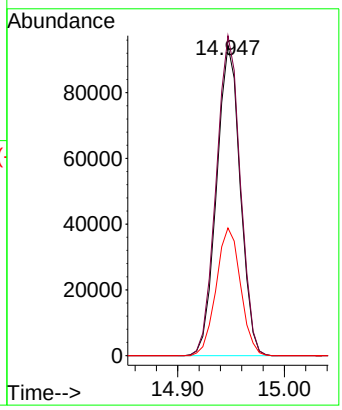




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.947 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:164 Resp: 14512

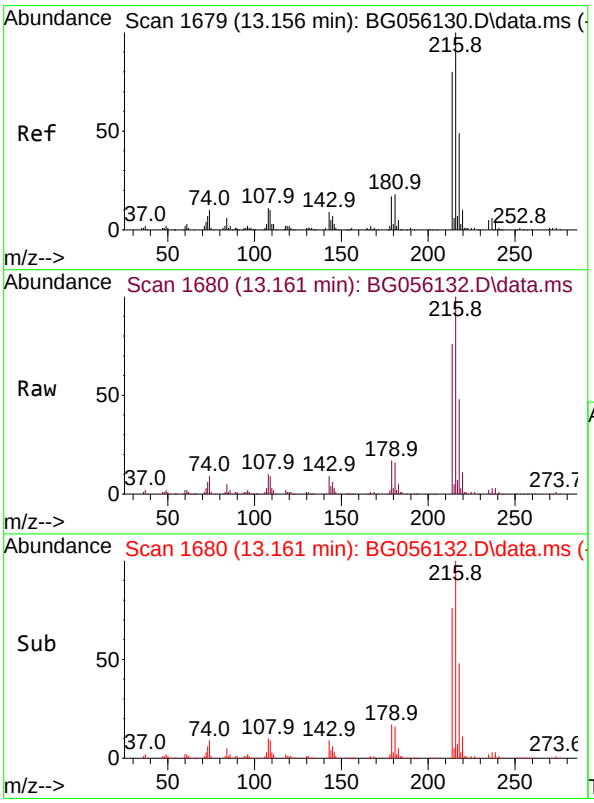
Ion	Ratio	Lower	Upper
164	100		
162	103.2	84.7	127.1
160	41.1	36.3	54.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

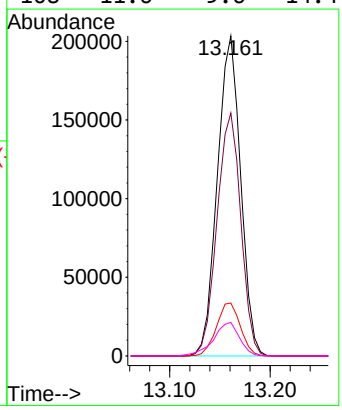
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

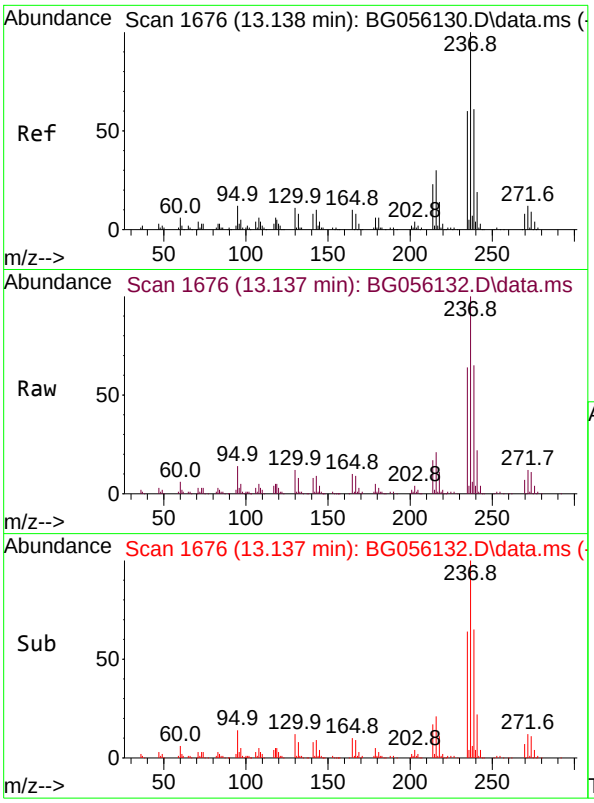


#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.694 ng
RT: 13.161 min Scan# 1680
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:216 Resp: 328779

Ion	Ratio	Lower	Upper
216	100		
214	77.4	63.4	95.0
179	17.0	13.6	20.4
108	11.6	9.6	14.4

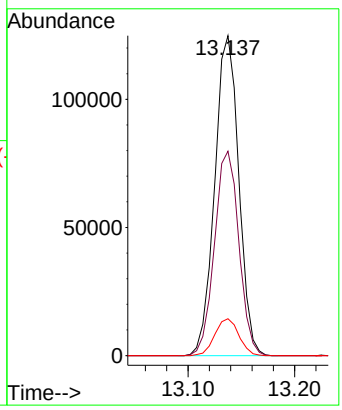




#41
Hexachlorocyclopentadiene
Concen: 56.432 ng
RT: 13.137 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:237 Resp: 19602

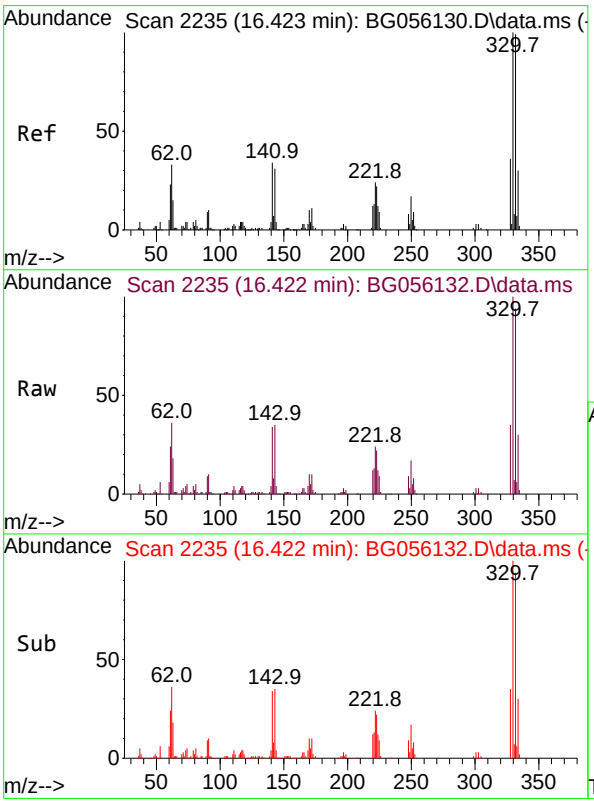
Ion	Ratio	Lower	Upper
237	100		
235	63.9	40.3	80.3
272	11.5	0.0	32.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

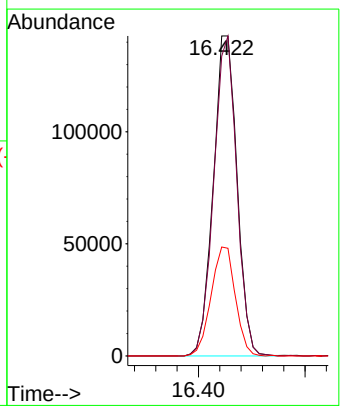
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

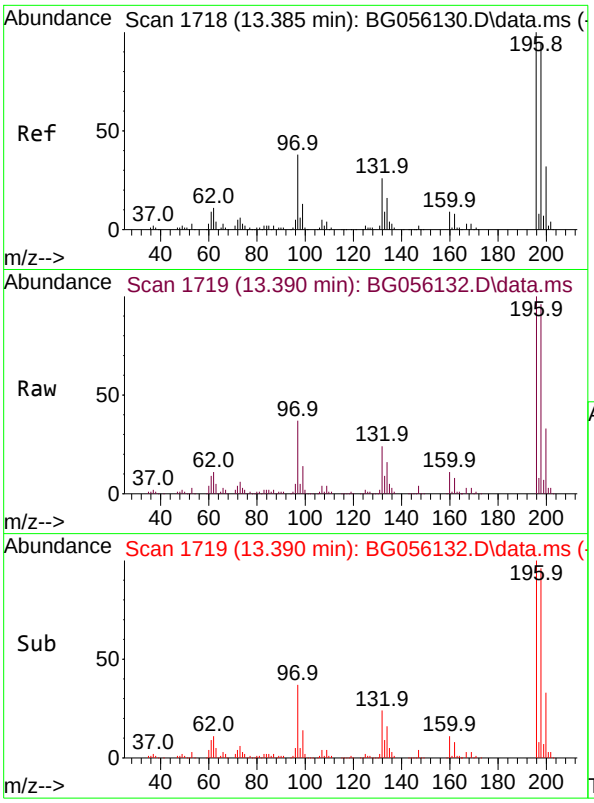


#42
2,4,6-Tribromophenol
Concen: 63.153 ng
RT: 16.422 min Scan# 2235
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:330 Resp: 220999

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	34.7	27.9	41.9

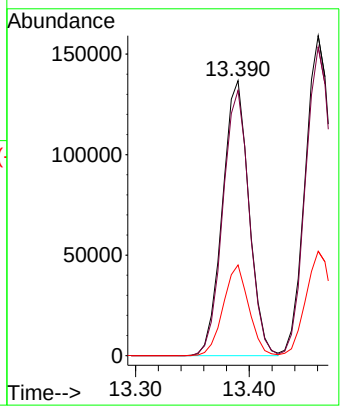




#43
2,4,6-Trichlorophenol
Concen: 60.986 ng
RT: 13.390 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:196 Resp: 22105

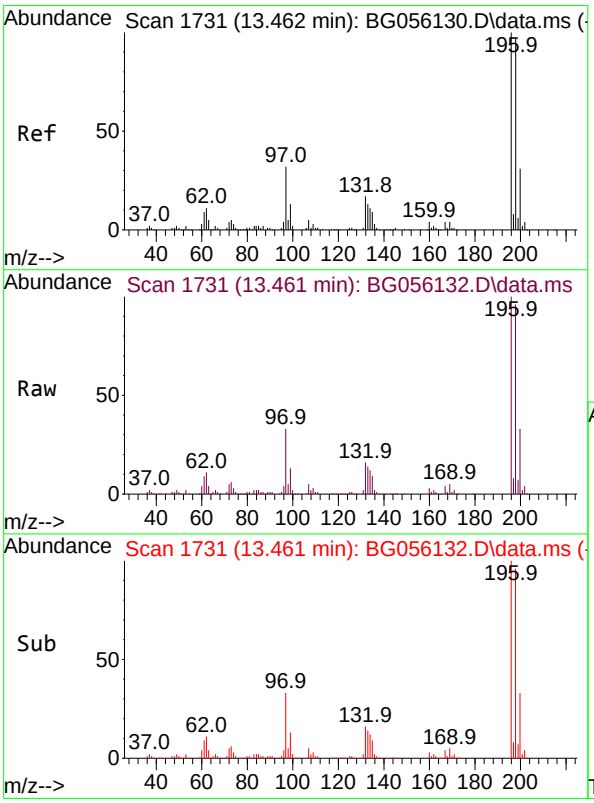
Ion	Ratio	Lower	Upper
196	100		
198	96.4	75.5	113.3
200	33.0	25.7	38.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

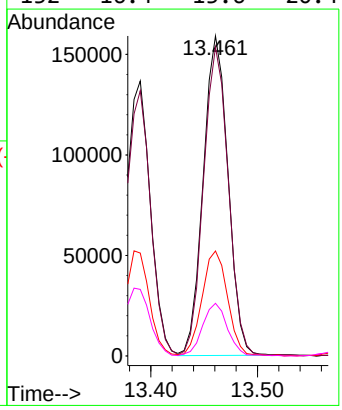
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

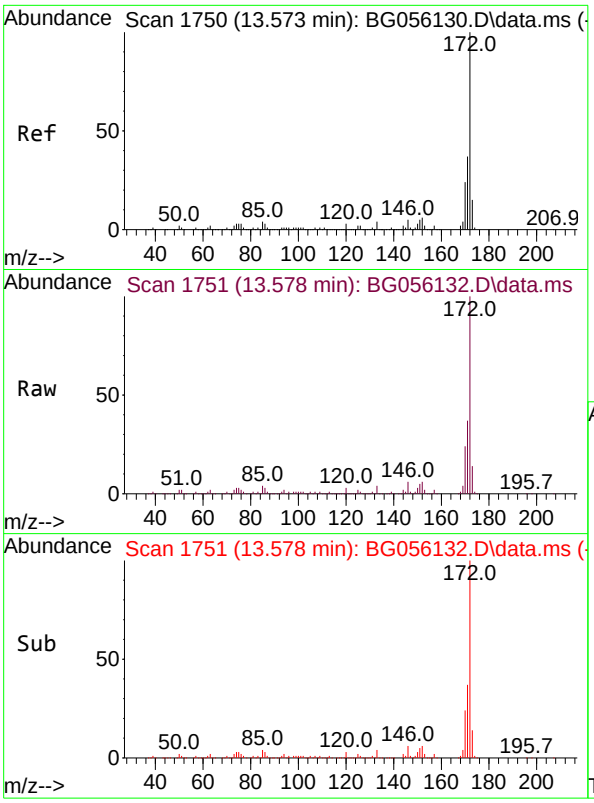


#44
2,4,5-Trichlorophenol
Concen: 62.890 ng
RT: 13.461 min Scan# 1731
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:196 Resp: 256962

Ion	Ratio	Lower	Upper
196	100		
198	96.5	78.0	117.0
97	32.8	25.7	38.5
132	16.4	13.6	20.4

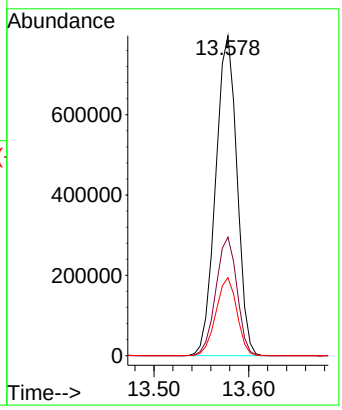




#45
2-Fluorobiphenyl
Concen: 120.302 ng
RT: 13.578 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:172 Resp: 124487

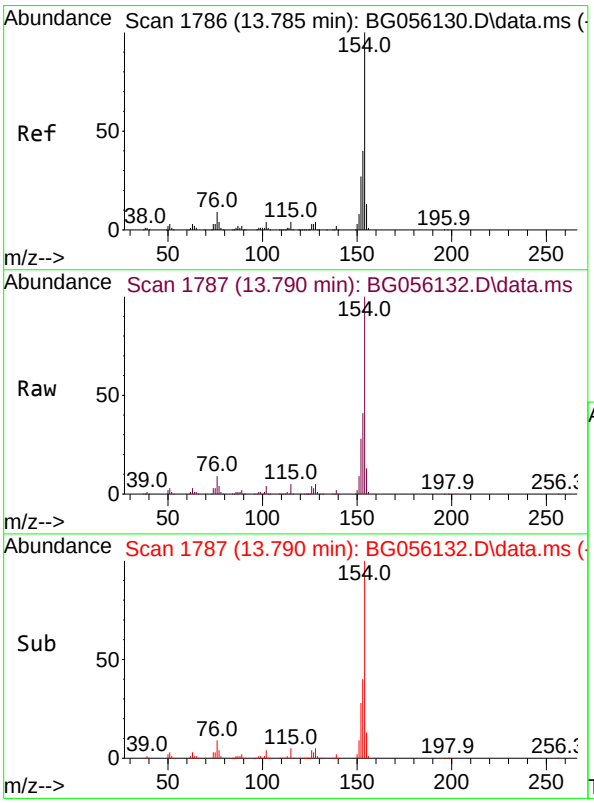
Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	24.4	19.4	29.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

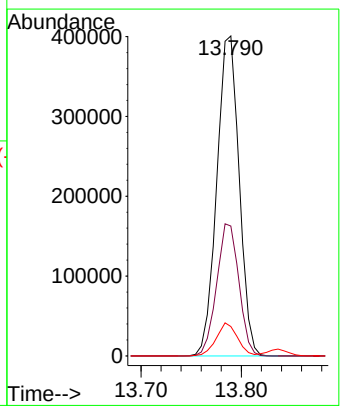
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

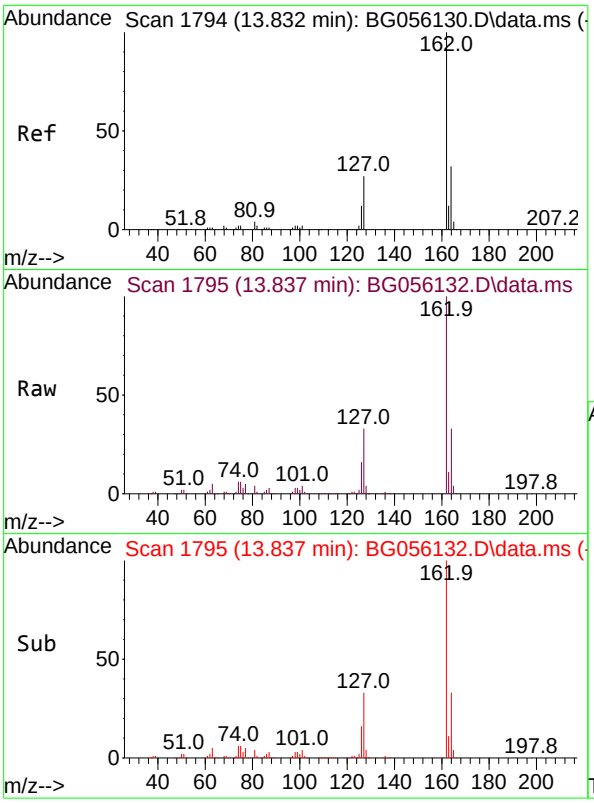


#46
1,1'-Biphenyl
Concen: 63.127 ng
RT: 13.790 min Scan# 1787
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:154 Resp: 620984

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.0	60.0
76	9.2	0.0	29.3

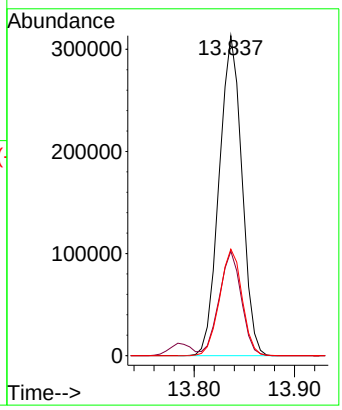




#47
2-Chloronaphthalene
Concen: 61.793 ng
RT: 13.837 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:162 Resp: 49391

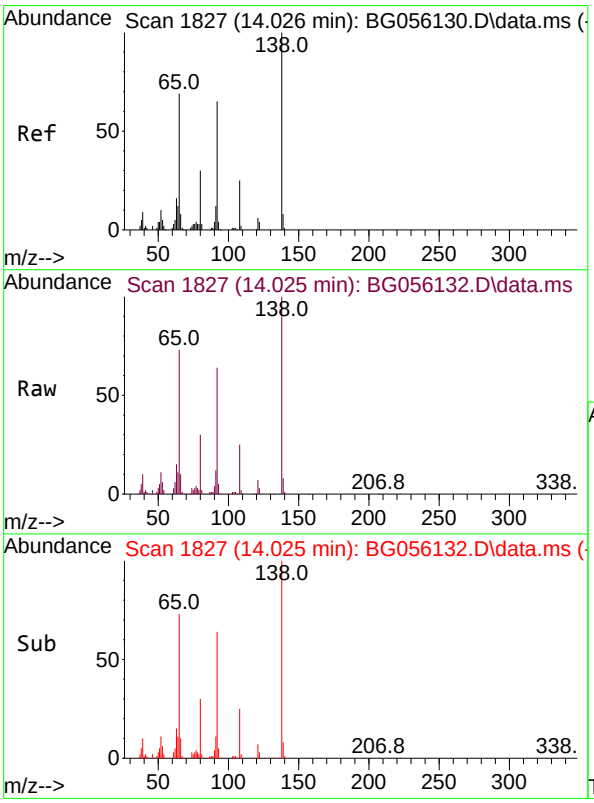
Ion	Ratio	Lower	Upper
162	100		
127	32.6	24.6	36.8
164	33.3	25.8	38.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

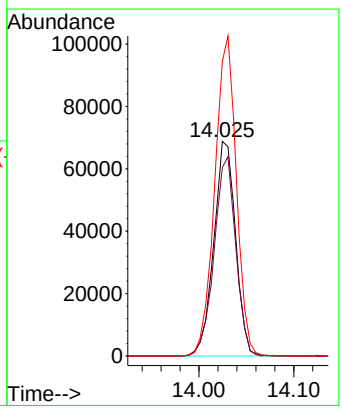
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

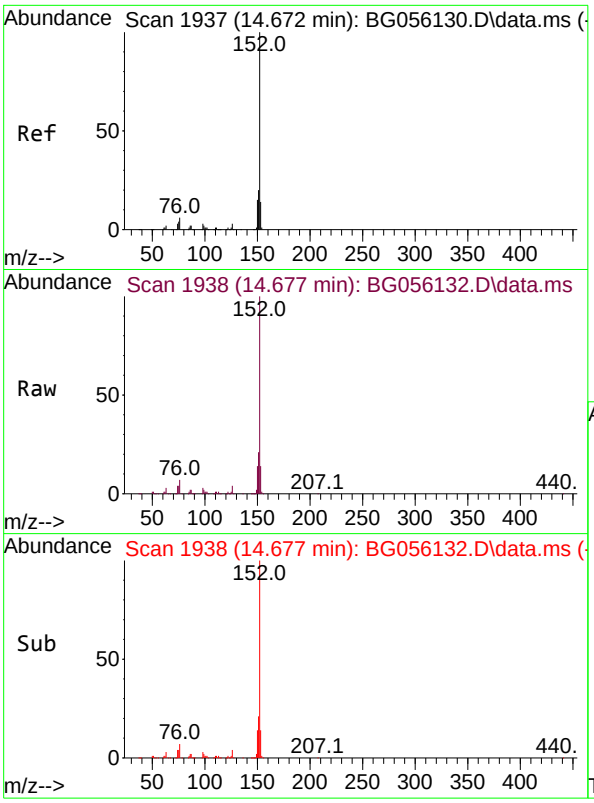


#48
2-Nitroaniline
Concen: 82.115 ng
RT: 14.025 min Scan# 1827
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 65 Resp: 109792

Ion	Ratio	Lower	Upper
65	100		
92	87.9	76.0	114.0
138	137.4	116.6	174.8

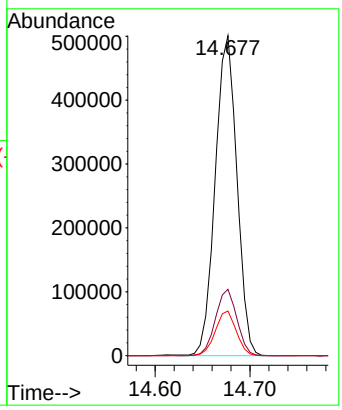




#49
Acenaphthylene
Concen: 62.358 ng
RT: 14.677 min Scan# 19
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:152 Resp: 79559

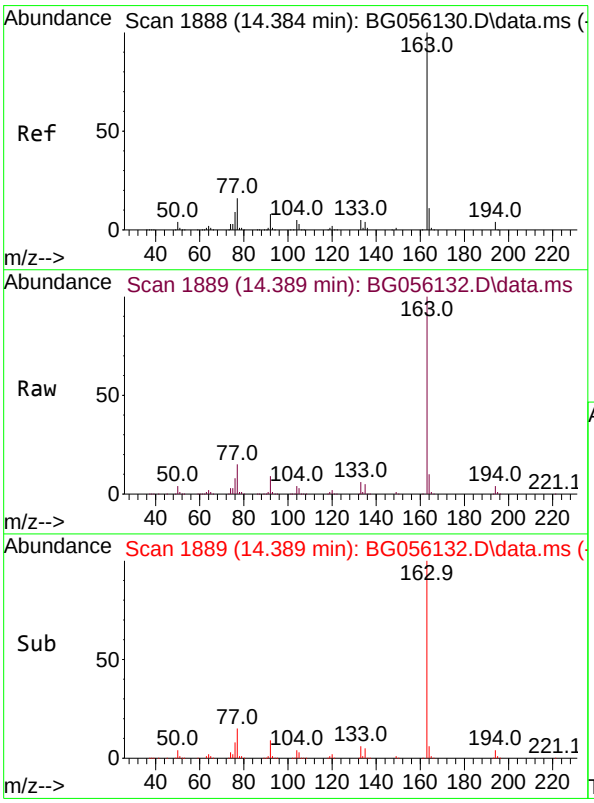
Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.0	24.0
153	13.9	11.0	16.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

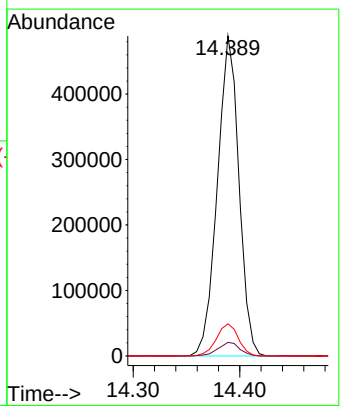
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

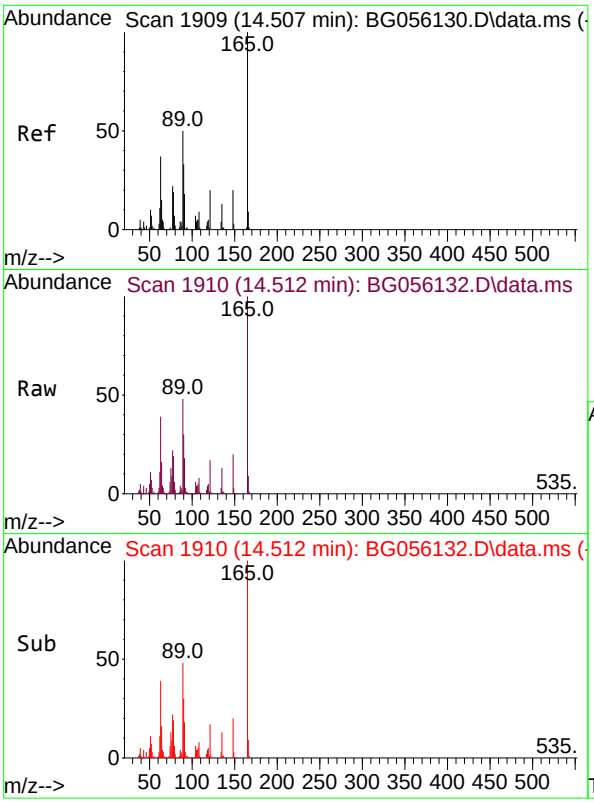


#50
Dimethylphthalate
Concen: 54.873 ng
RT: 14.389 min Scan# 1889
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:163 Resp: 688499

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.0	8.7	13.1

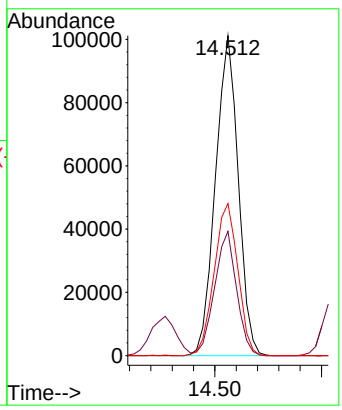




#51
2,6-Dinitrotoluene
Concen: 77.456 ng
RT: 14.512 min Scan# 19
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:165 Resp: 15039

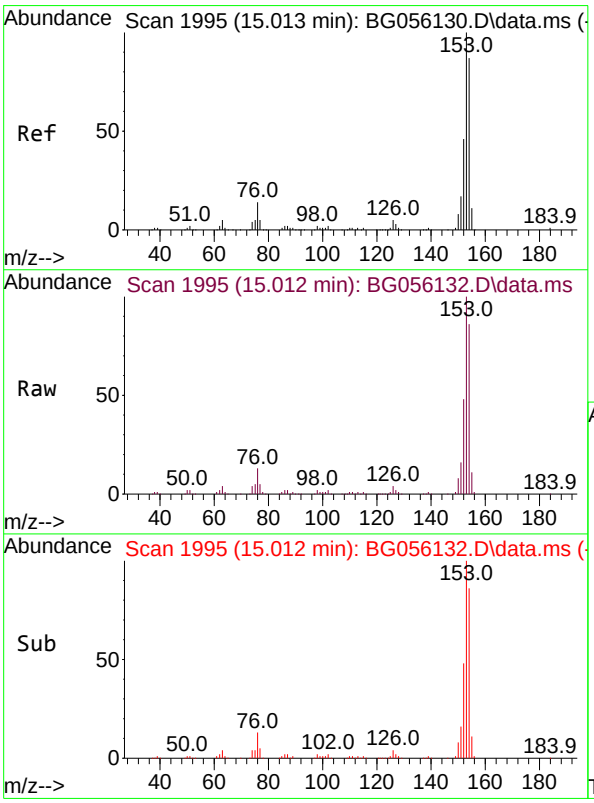
Ion	Ratio	Lower	Upper
165	100		
63	38.8	32.2	48.2
89	47.5	39.8	59.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

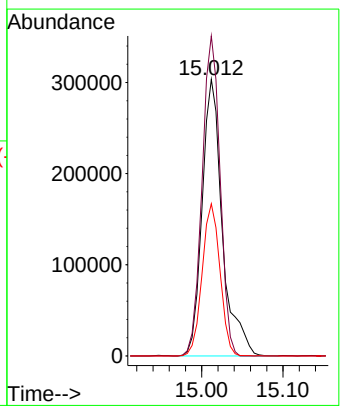
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

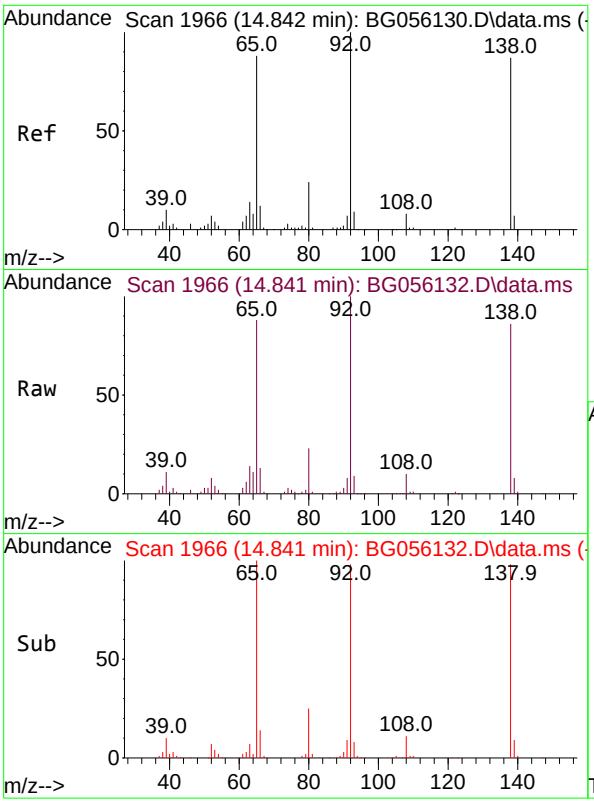


#52
Acenaphthene
Concen: 61.415 ng
RT: 15.012 min Scan# 1995
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:154 Resp: 526026

Ion	Ratio	Lower	Upper
154	100		
153	115.7	92.0	138.0
152	55.0	42.5	63.7





#53
3-Nitroaniline
Concen: 73.044 ng
RT: 14.841 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

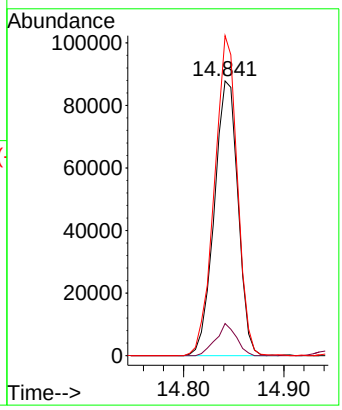
Tgt Ion:138 Resp: 144259

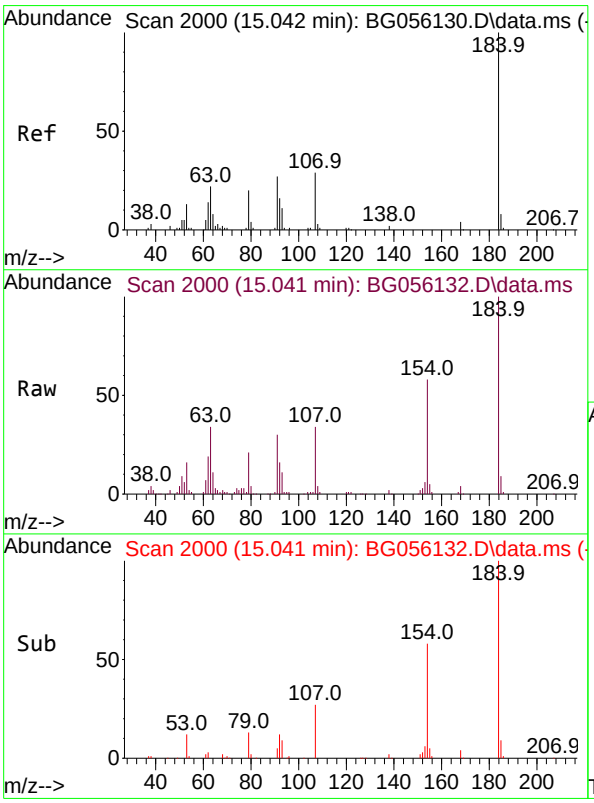
Ion	Ratio	Lower	Upper
138	100		
108	11.7	7.6	11.4#
92	116.5	91.7	137.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

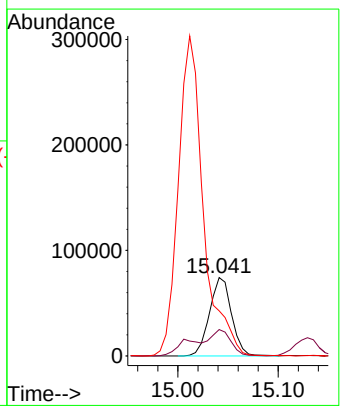


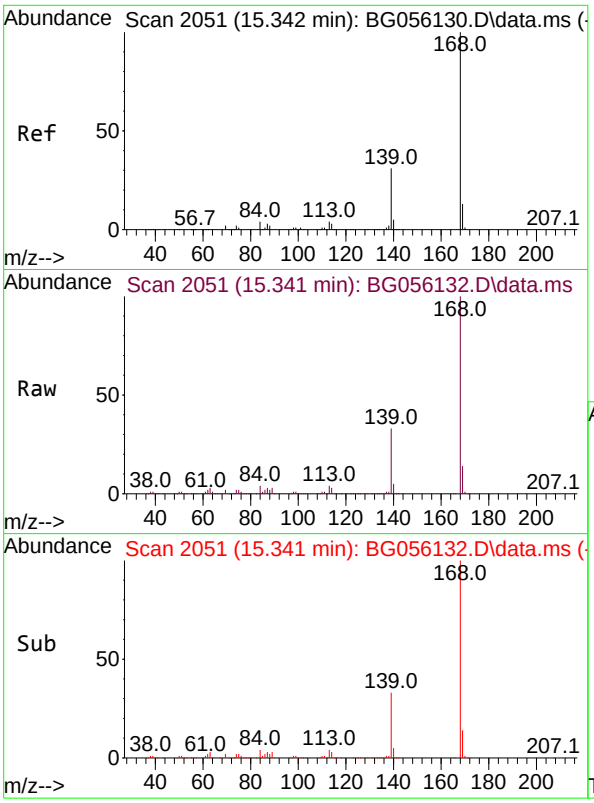


#54
2,4-Dinitrophenol
Concen: 78.356 ng
RT: 15.041 min Scan# 2000
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:184 Resp: 113103

Ion	Ratio	Lower	Upper
184	100		
63	33.6	24.0	36.0
154	57.6	45.4	68.0

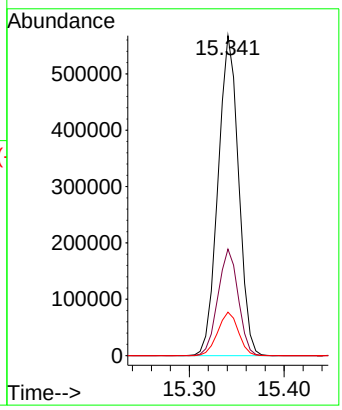




#55
Dibenzofuran
Concen: 59.231 ng
RT: 15.341 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:168 Resp: 85311

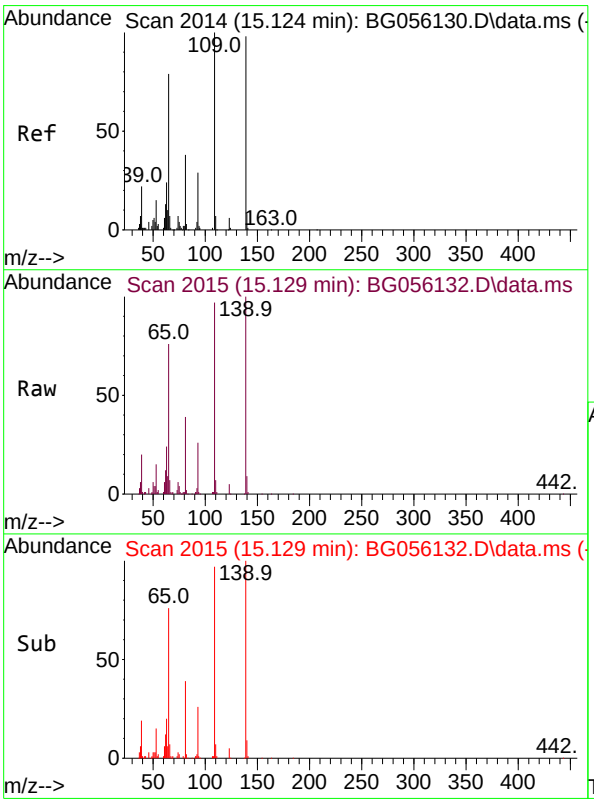
Ion	Ratio	Lower	Upper
168	100		
139	33.3	24.7	37.1
169	13.6	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

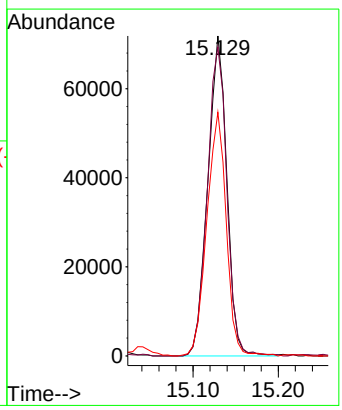
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

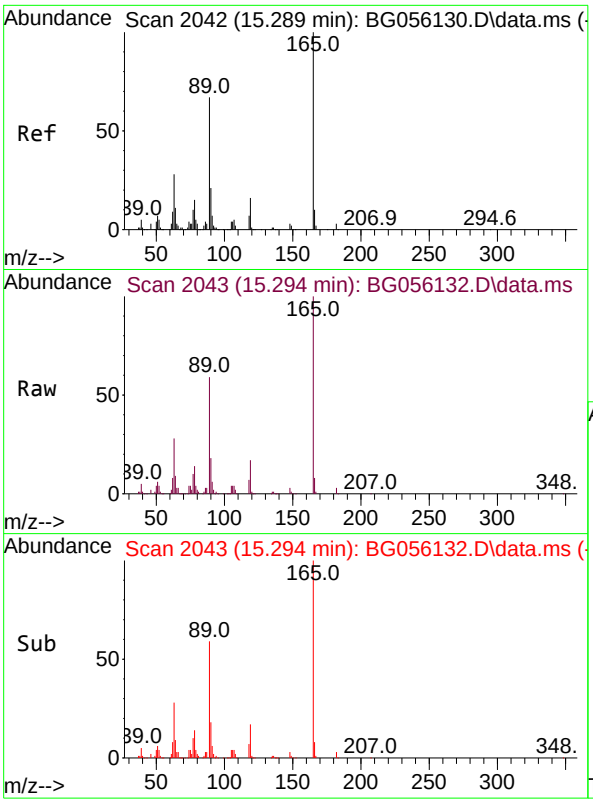


#56
4-Nitrophenol
Concen: 70.431 ng
RT: 15.129 min Scan# 2015
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:139 Resp: 111466

Ion	Ratio	Lower	Upper
139	100		
109	96.5	82.2	122.2
65	76.1	60.6	100.6

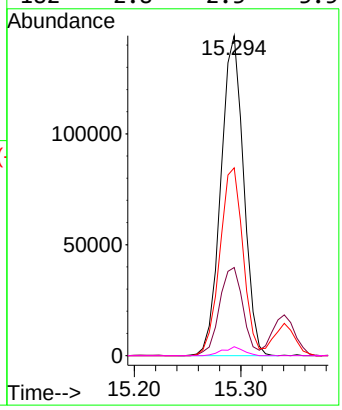




#57
2,4-Dinitrotoluene
Concen: 72.999 ng
RT: 15.294 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:165 Resp: 213949

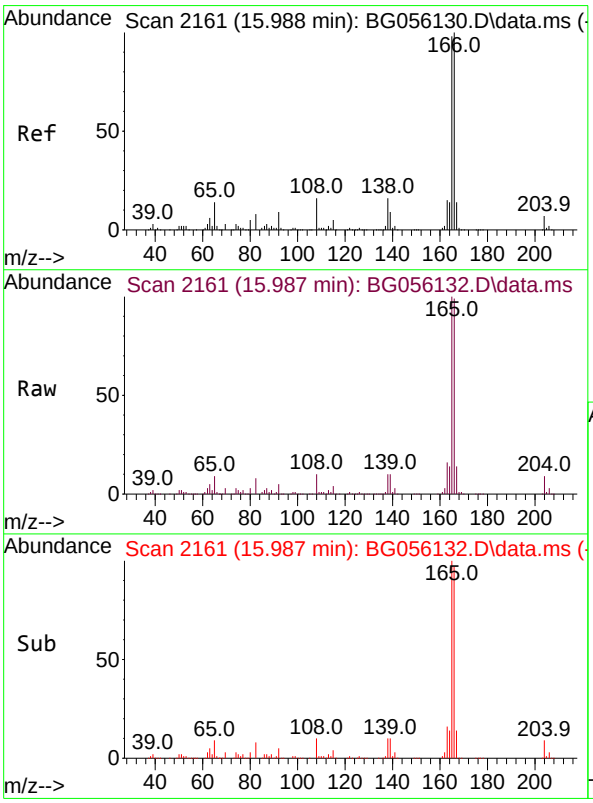
Ion	Ratio	Lower	Upper
165	100		
63	27.5	22.6	34.0
89	58.7	53.2	79.8
182	2.8	2.3	3.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

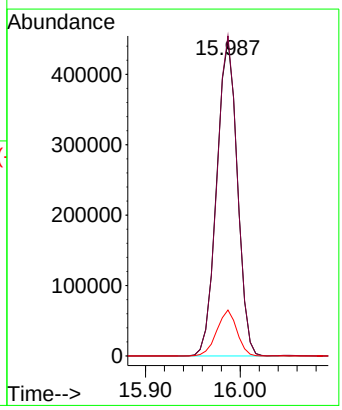
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

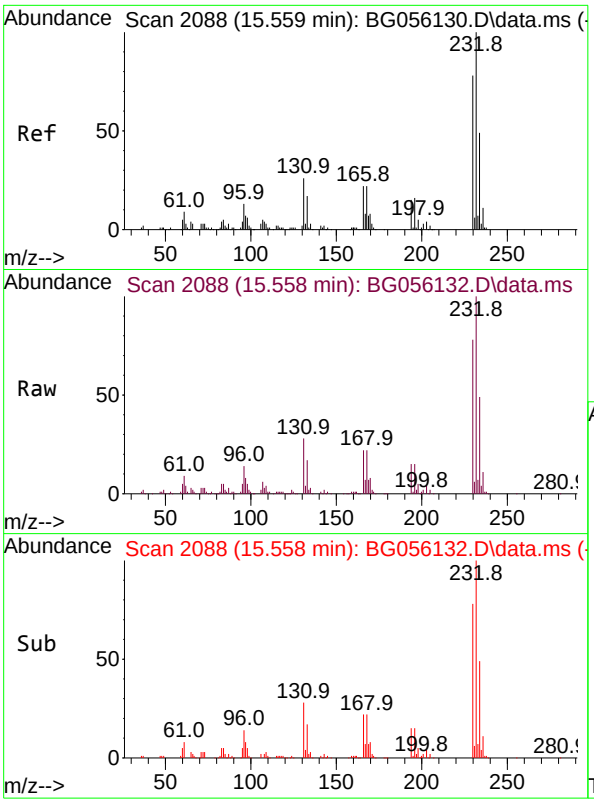


#58
Fluorene
Concen: 57.655 ng
RT: 15.987 min Scan# 2161
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:166 Resp: 678831

Ion	Ratio	Lower	Upper
166	100		
165	101.4	78.6	118.0
167	14.5	11.1	16.7

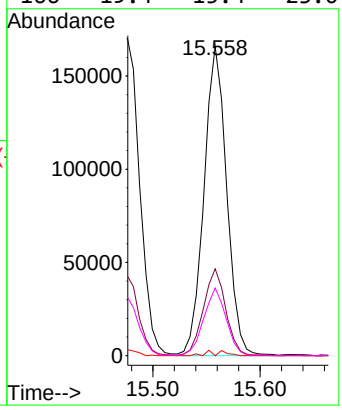




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.360 ng m
RT: 15.558 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:232 Resp: 24440

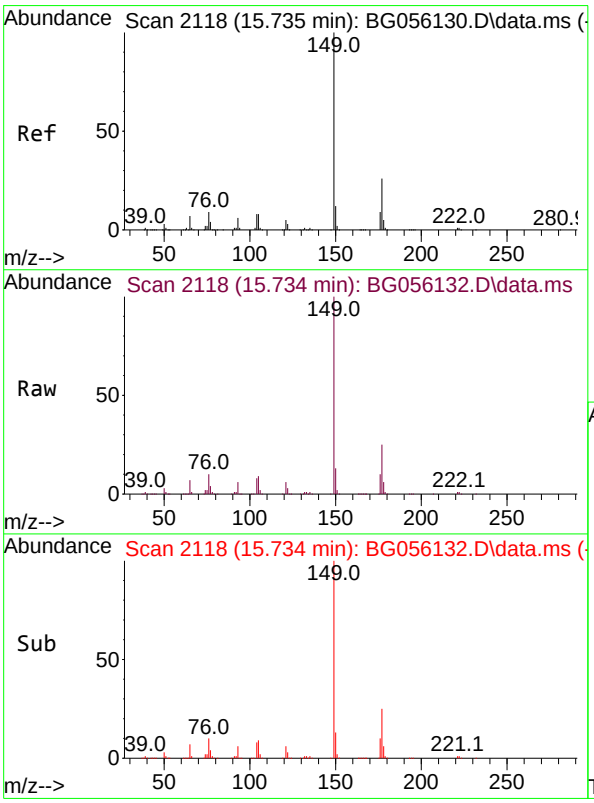
Ion	Ratio	Lower	Upper
232	100		
131	26.3	21.4	32.2
130	1.8	1.4	2.0
166	19.4	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

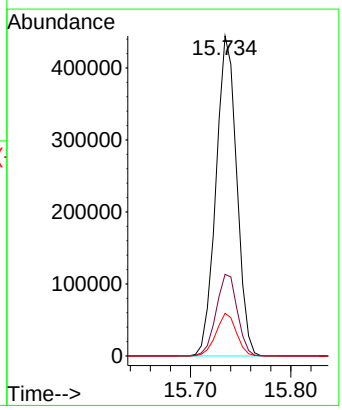
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

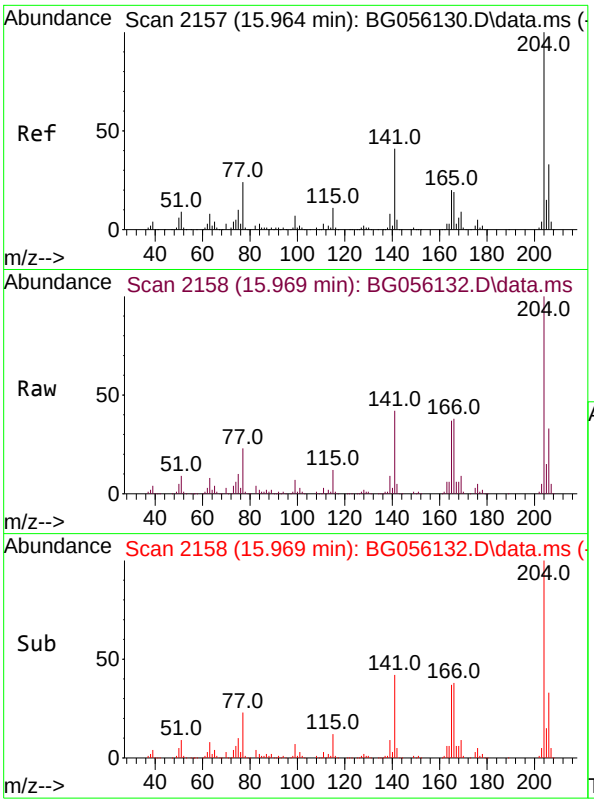


#60
Diethylphthalate
Concen: 52.064 ng
RT: 15.734 min Scan# 2118
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:149 Resp: 638492

Ion	Ratio	Lower	Upper
149	100		
177	25.5	20.6	31.0
150	13.3	9.9	14.9

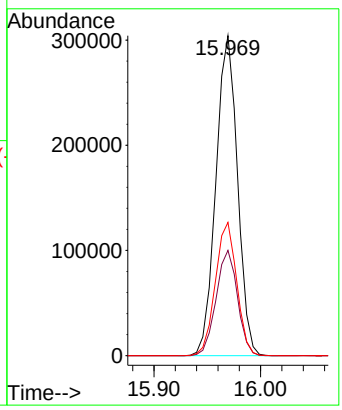




#61
4-Chlorophenyl-phenylether
Concen: 53.486 ng
RT: 15.969 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:204 Resp: 42900

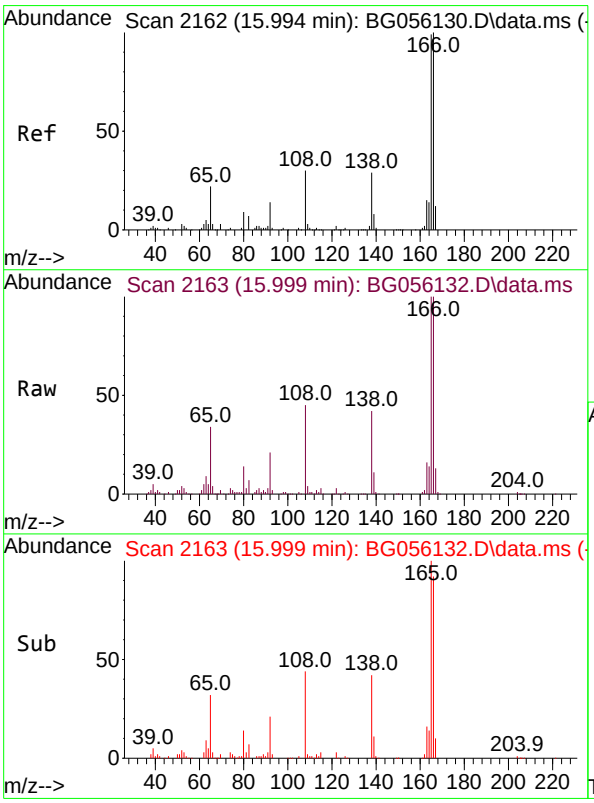
Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.4	39.6
141	41.6	33.0	49.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

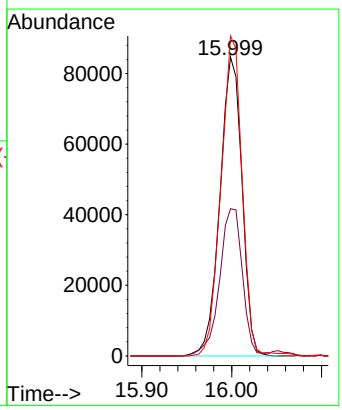
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

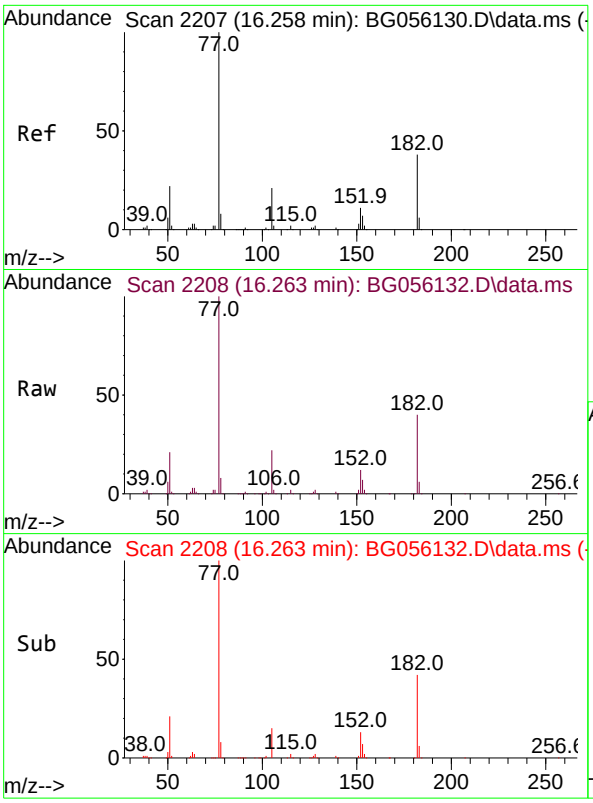


#62
4-Nitroaniline
Concen: 67.503 ng
RT: 15.999 min Scan# 2163
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:138 Resp: 145184

Ion	Ratio	Lower	Upper
138	100		
92	49.2	28.6	68.6
108	107.1	83.4	123.4

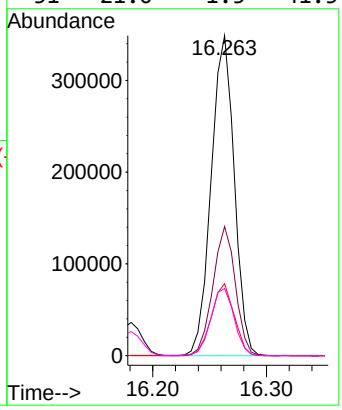




#63
Azobenzene
Concen: 65.808 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion: 77 Resp: 49121

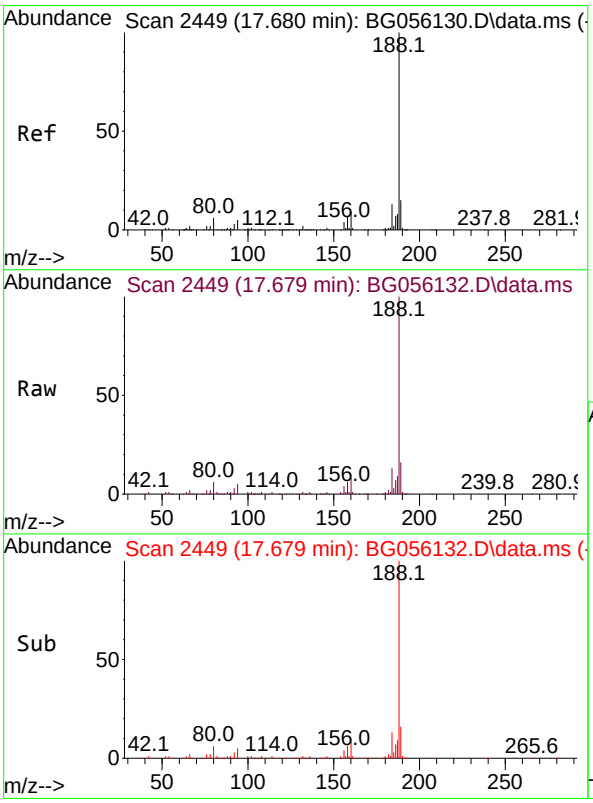
Ion	Ratio	Lower	Upper
77	100		
182	40.3	18.5	58.5
105	22.5	1.4	41.4
51	21.0	1.5	41.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

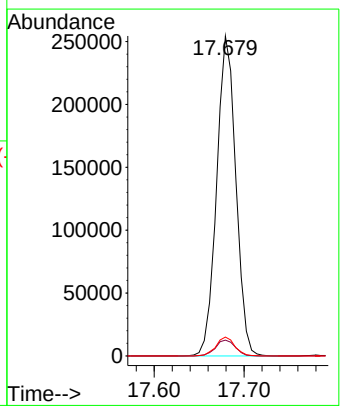
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

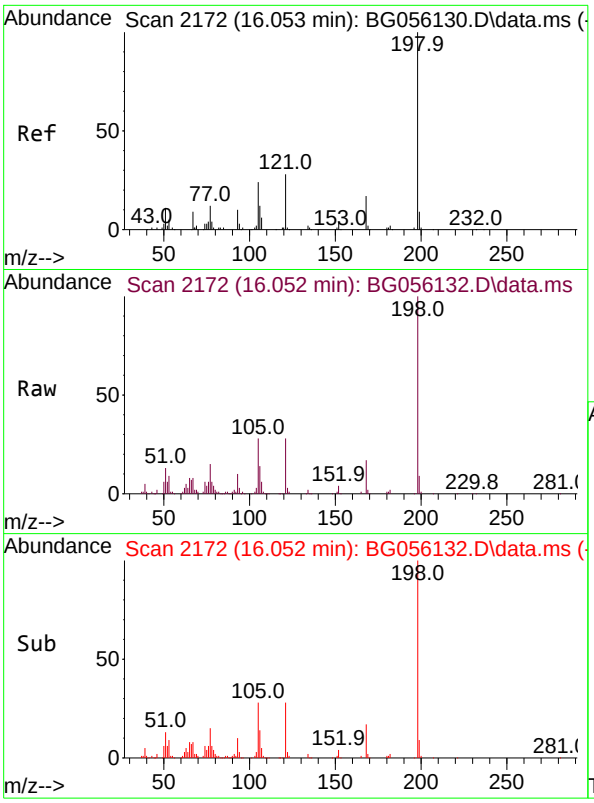


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.679 min Scan# 2449
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:188 Resp: 377578

Ion	Ratio	Lower	Upper
188	100		
94	4.9	4.2	6.2
80	5.9	5.0	7.4





#65
4,6-Dinitro-2-methylphenol
Concen: 89.186 ng
RT: 16.052 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

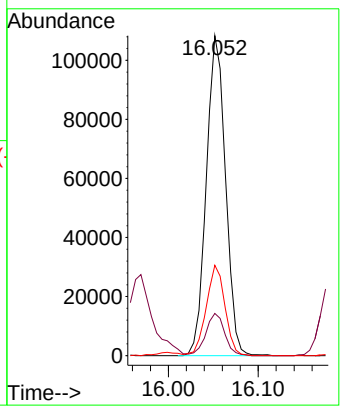
Tgt Ion:198 Resp: 16086

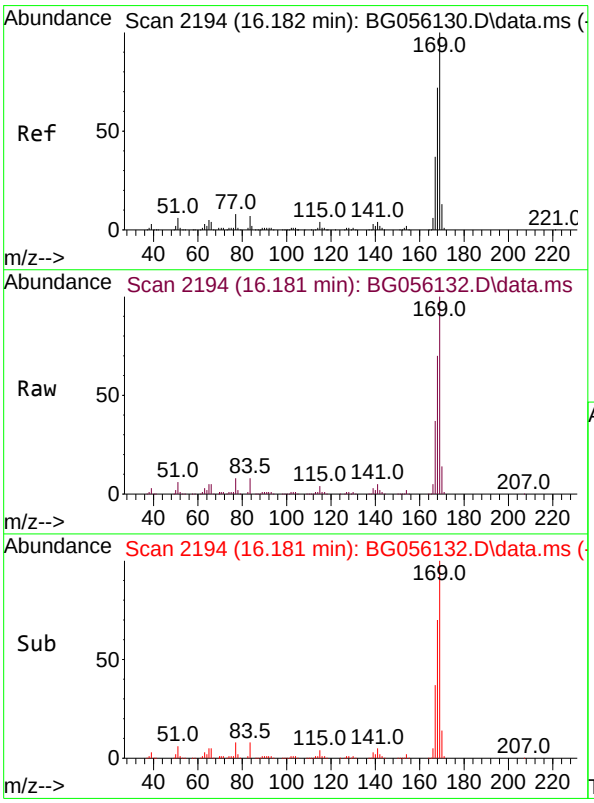
Ion	Ratio	Lower	Upper
198	100		
51	13.2	0.0	33.2
105	28.2	4.9	44.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

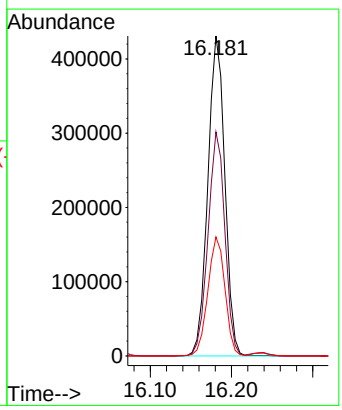


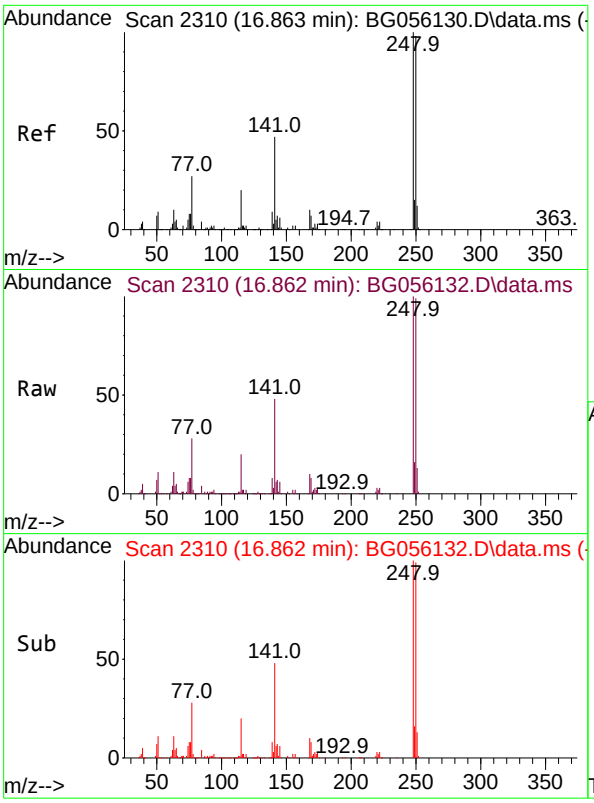


#66
n-Nitrosodiphenylamine
Concen: 63.359 ng
RT: 16.181 min Scan# 2194
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:169 Resp: 626907

Ion	Ratio	Lower	Upper
169	100		
168	70.0	58.0	87.0
167	37.2	30.0	45.0





#67
4-Bromophenyl-phenylether
Concen: 51.779 ng
RT: 16.862 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

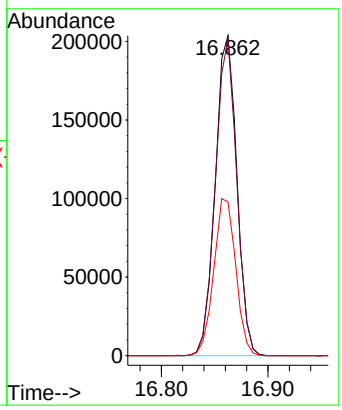
Tgt Ion:248 Resp: 28647

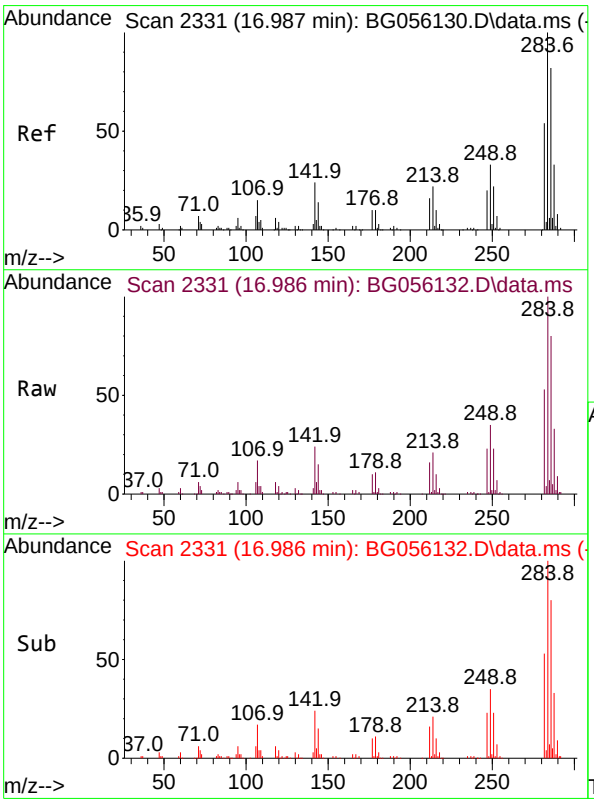
Ion	Ratio	Lower	Upper
248	100		
250	99.1	78.2	117.4
141	48.0	37.6	56.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

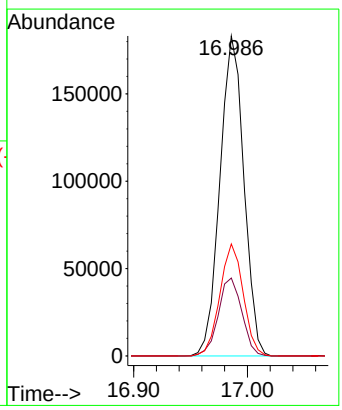


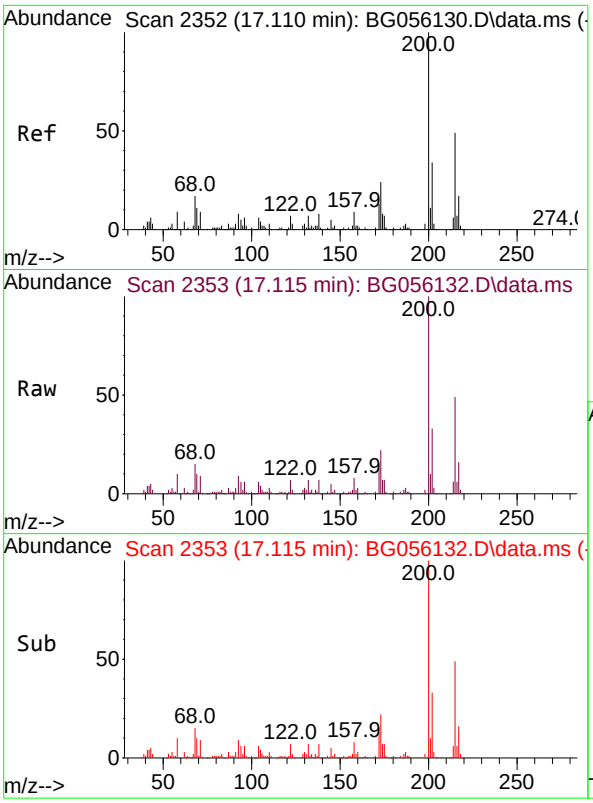


#68
Hexachlorobenzene
Concen: 39.332 ng
RT: 16.986 min Scan# 2331
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:284 Resp: 268042

Ion	Ratio	Lower	Upper
284	100		
142	24.3	19.0	28.6
249	37.2	26.6	39.8

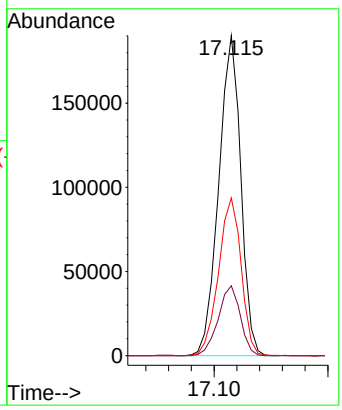




#69
Atrazine
Concen: 57.062 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:200 Resp: 25564

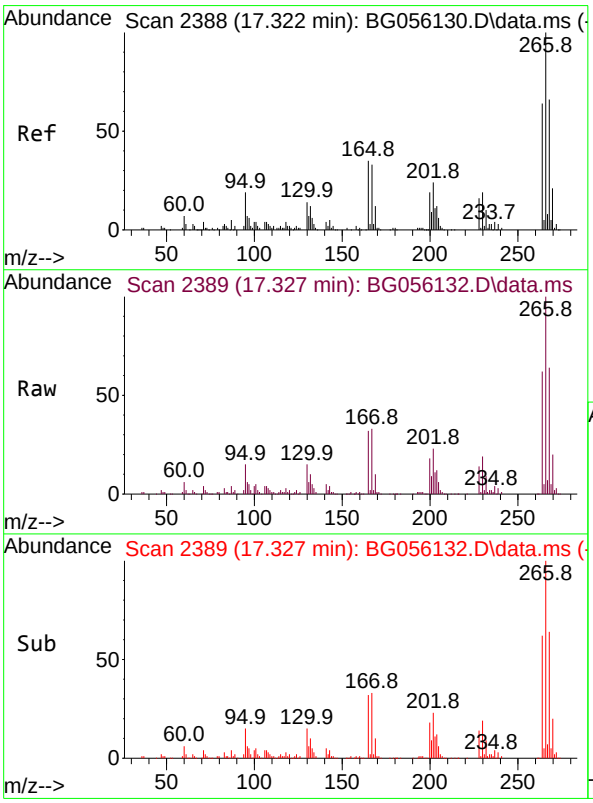
Ion	Ratio	Lower	Upper
200	100		
173	21.8	4.0	44.0
215	49.3	29.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

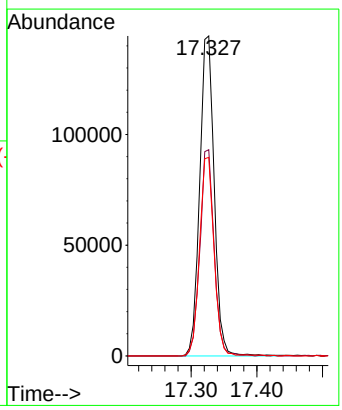
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

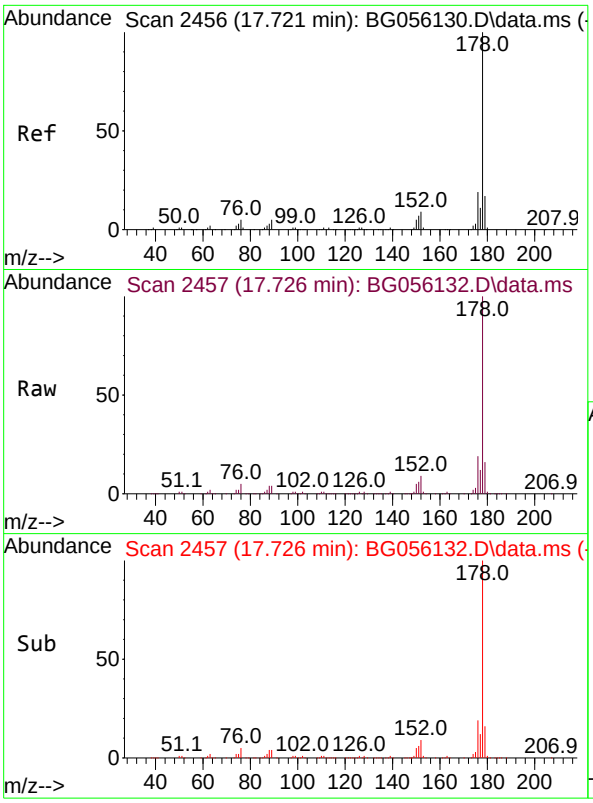


#70
Pentachlorophenol
Concen: 56.570 ng
RT: 17.327 min Scan# 2389
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:266 Resp: 220397

Ion	Ratio	Lower	Upper
266	100		
268	64.4	53.0	79.4
264	62.0	51.4	77.2

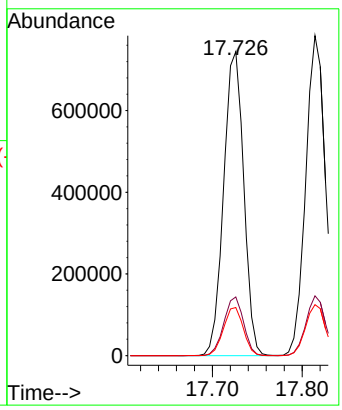




#71
Phenanthrene
Concen: 58.611 ng
RT: 17.726 min Scan# 24
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:178 Resp: 115974

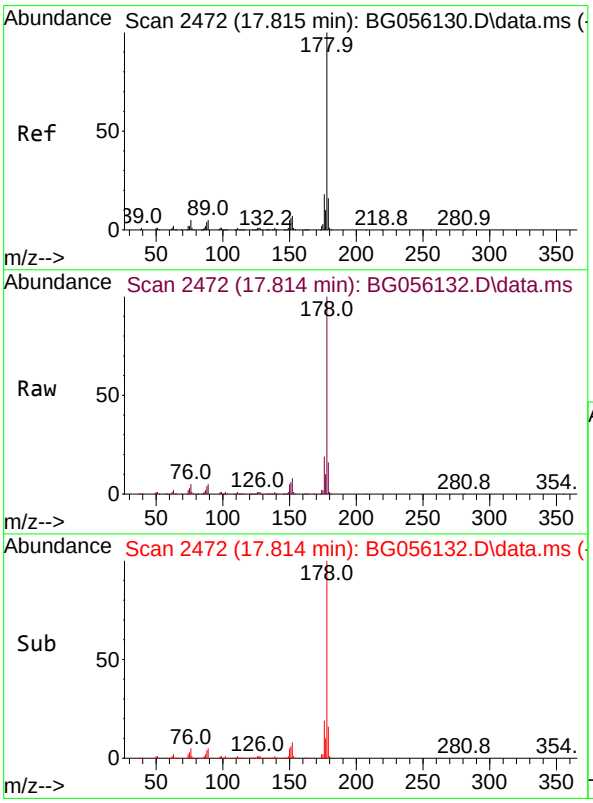
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.8	13.6	20.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

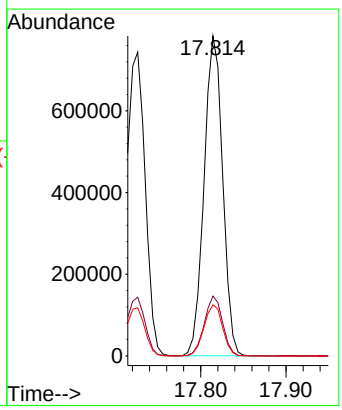
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

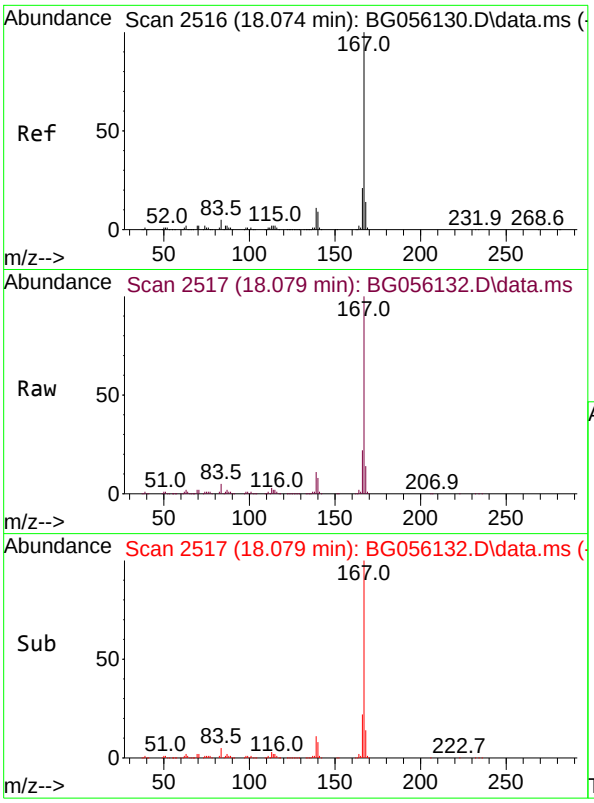


#72
Anthracene
Concen: 60.588 ng
RT: 17.814 min Scan# 2472
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:178 Resp: 1186058

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	22.0
179	15.9	12.7	19.1





#73
Carbazole
Concen: 61.797 ng
RT: 18.079 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

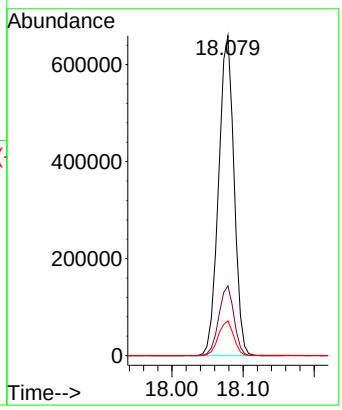
Tgt Ion:167 Resp: 99772

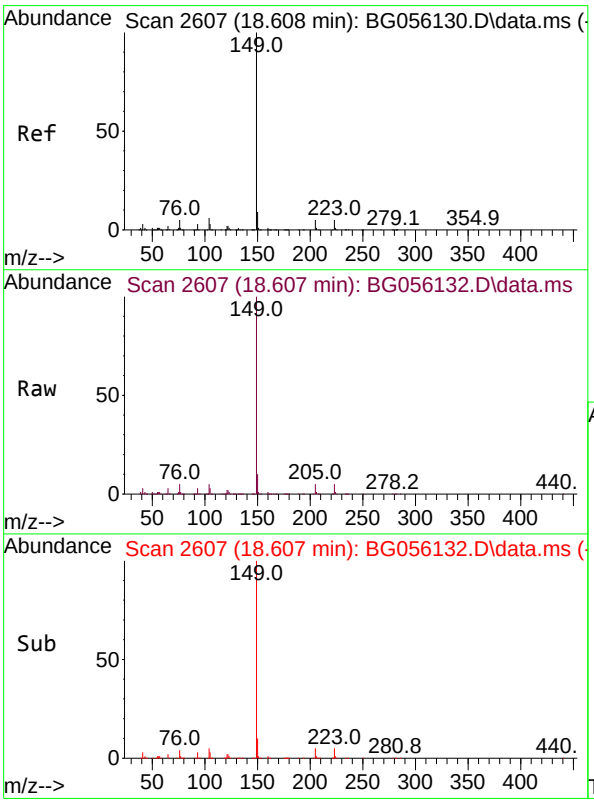
Ion	Ratio	Lower	Upper
167	100		
166	21.8	16.8	25.2
139	10.8	8.9	13.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

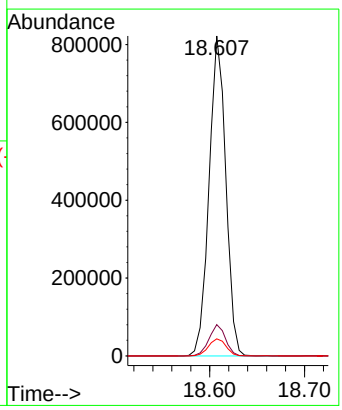


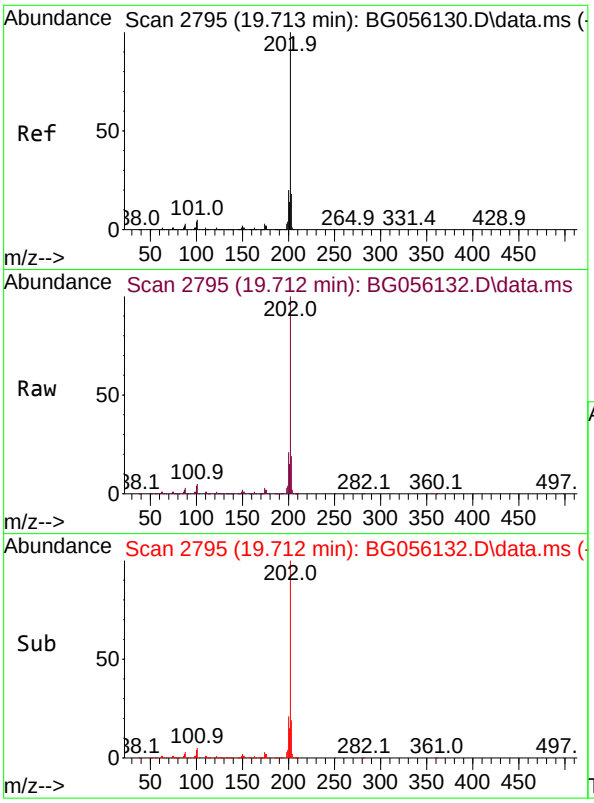


#74
Di-n-butylphthalate
Concen: 53.638 ng
RT: 18.607 min Scan# 2607
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:149 Resp: 1007109

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.4	11.2
104	5.3	4.4	6.6

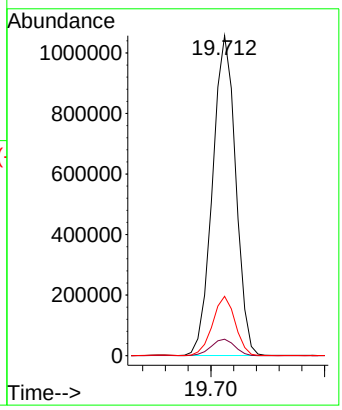




#75
Fluoranthene
Concen: 53.906 ng
RT: 19.712 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:202 Resp: 149361

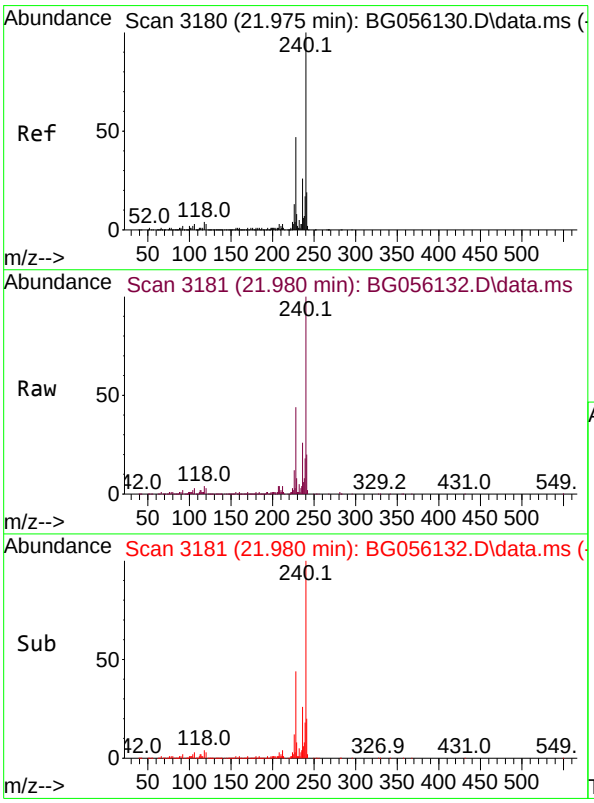
Ion	Ratio	Lower	Upper
202	100		
101	5.1	0.0	25.0
203	18.5	0.0	38.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

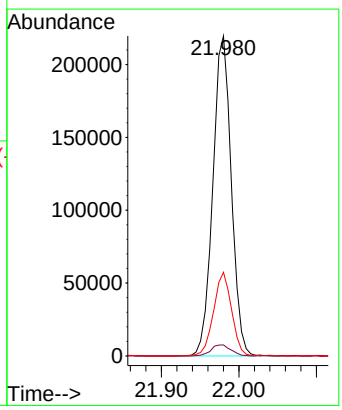
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

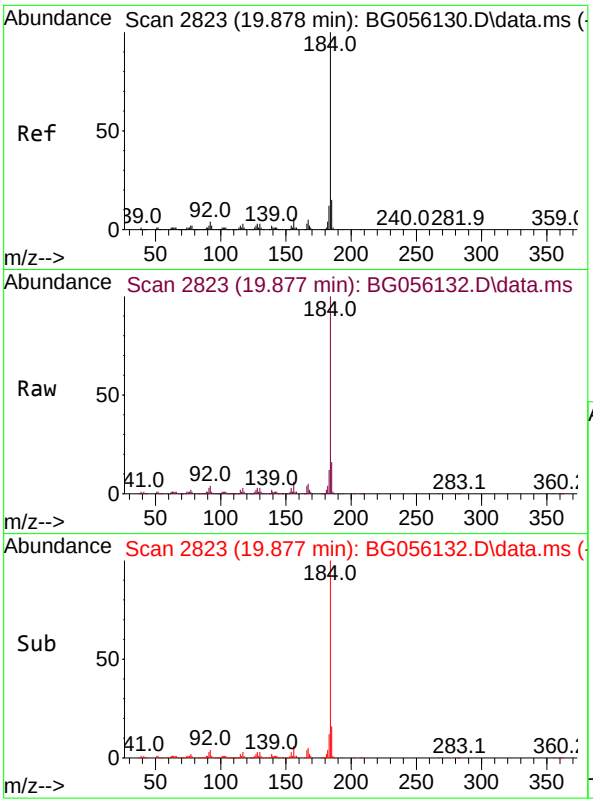


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.980 min Scan# 3181
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:240 Resp: 362695

Ion	Ratio	Lower	Upper
240	100		
120	3.4	2.6	4.0
236	26.1	20.8	31.2

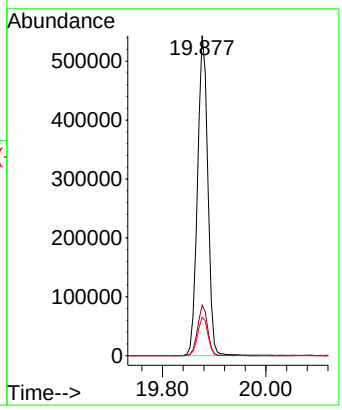




#77
Benzidine
Concen: 117.950 ng
RT: 19.877 min Scan# 28
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:184 Resp: 75128

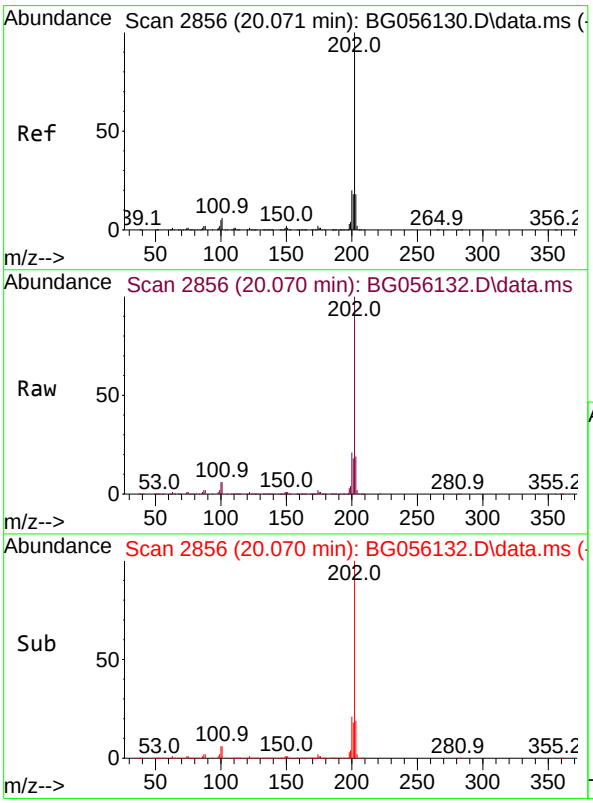
Ion	Ratio	Lower	Upper
184	100		
185	15.8	12.2	18.2
183	12.0	9.4	14.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

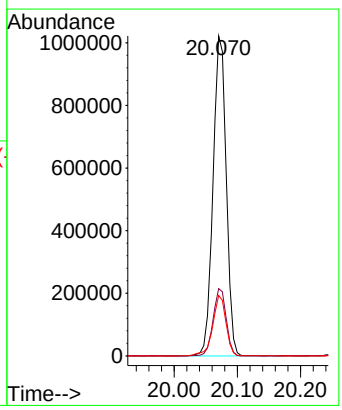
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

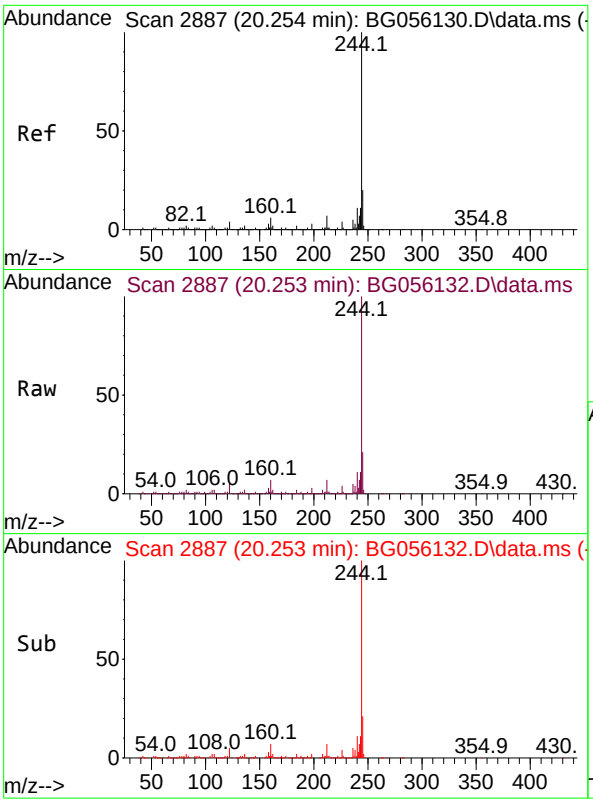


#78
Pyrene
Concen: 67.695 ng
RT: 20.070 min Scan# 2856
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:202 Resp: 1485690

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.4	24.6
203	18.9	14.3	21.5





#79
Terphenyl-d14
Concen: 113.667 ng
RT: 20.253 min Scan# 28
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

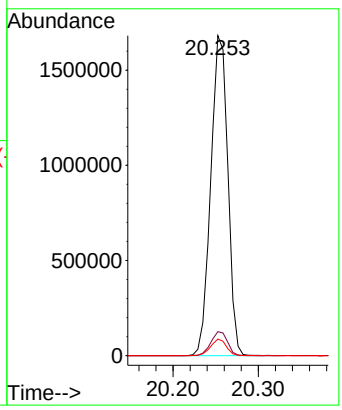
Tgt Ion:244 Resp: 233261

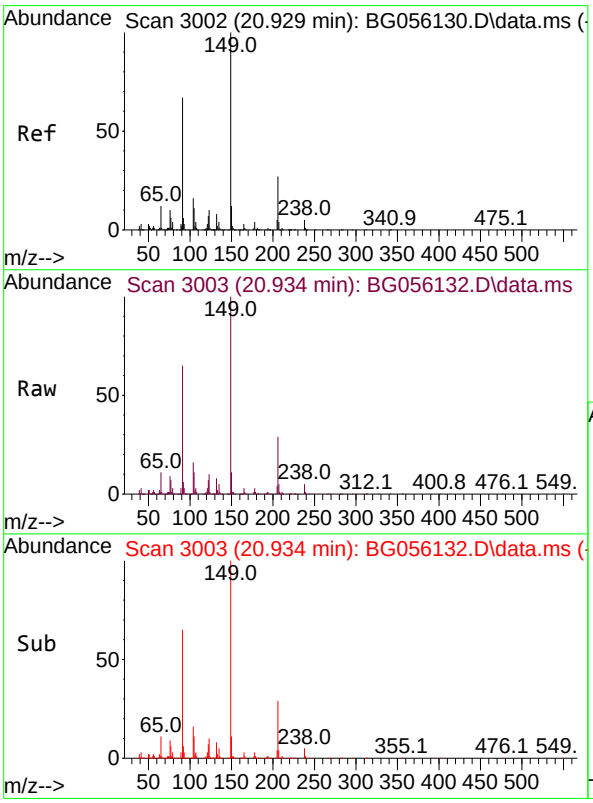
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	5.2	3.5	5.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

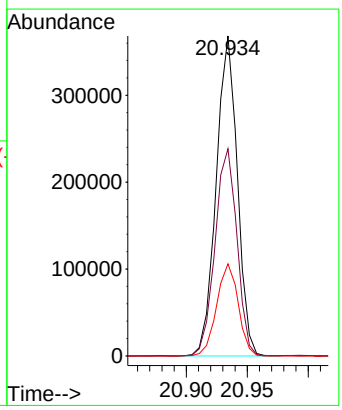


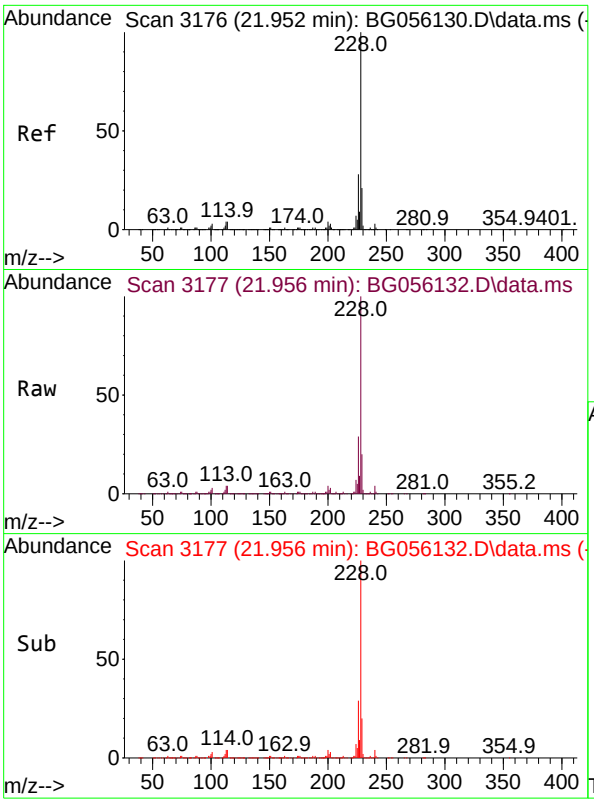


#80
Butylbenzylphthalate
Concen: 71.489 ng
RT: 20.934 min Scan# 3003
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:149 Resp: 444587

Ion	Ratio	Lower	Upper
149	100		
91	64.7	53.5	80.3
206	28.8	21.9	32.9

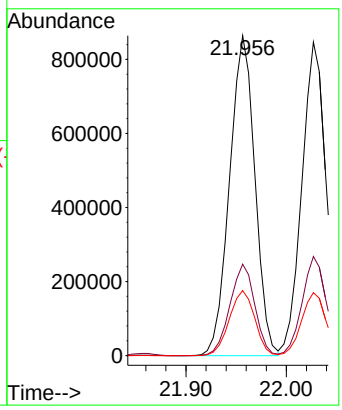




#81
Benzo(a)anthracene
Concen: 59.343 ng
RT: 21.956 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:228 Resp: 151455

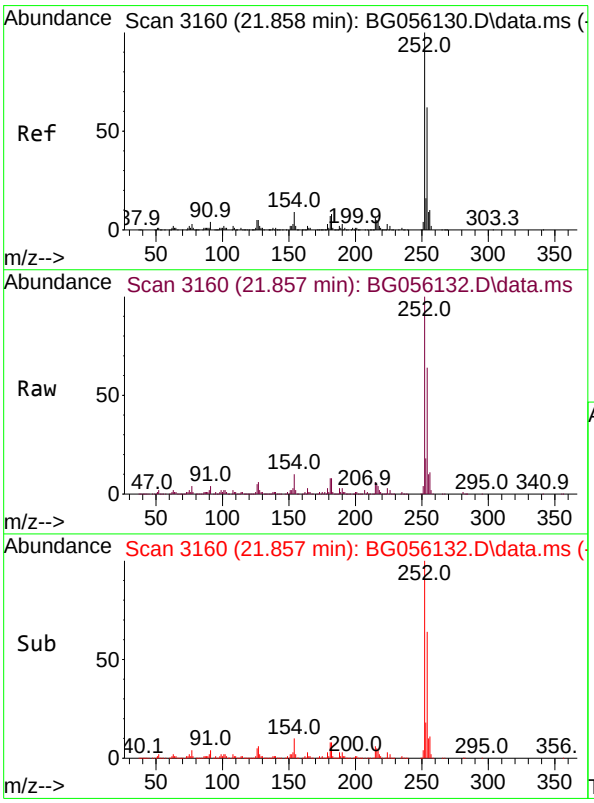
Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	34.0
229	20.4	16.9	25.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

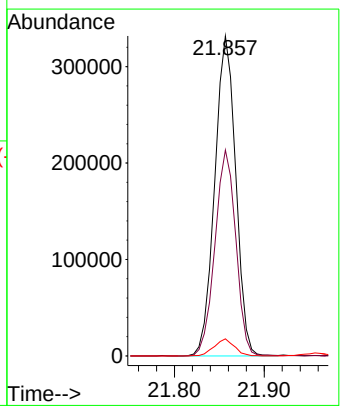
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

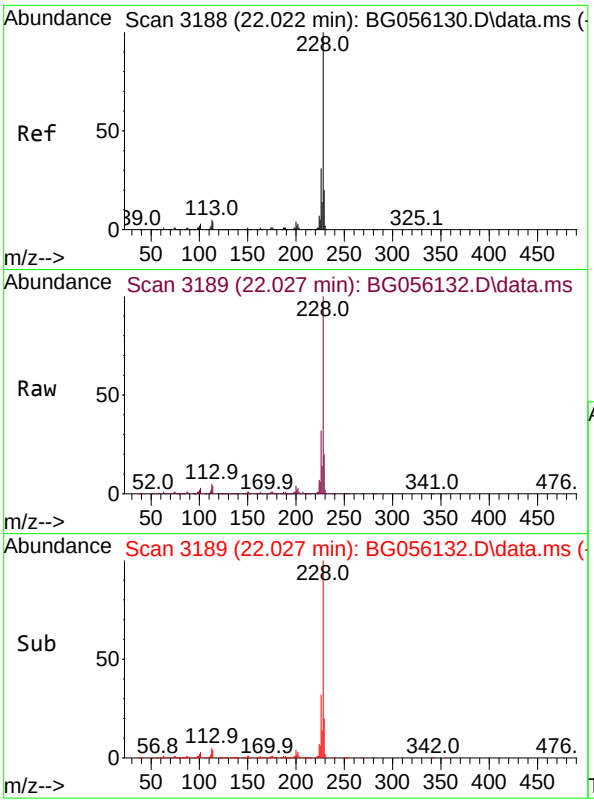


#82
3,3'-Dichlorobenzidine
Concen: 58.909 ng
RT: 21.857 min Scan# 3160
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:252 Resp: 540932

Ion	Ratio	Lower	Upper
252	100		
254	64.3	49.5	74.3
126	5.3	4.0	6.0

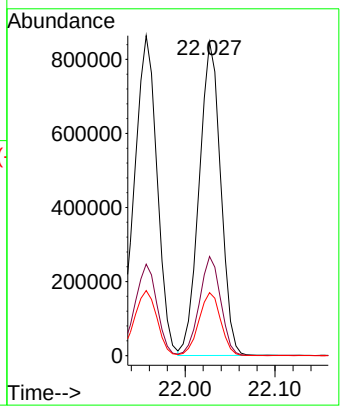




#83
Chrysene
Concen: 59.104 ng
RT: 22.027 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:228 Resp: 1413740

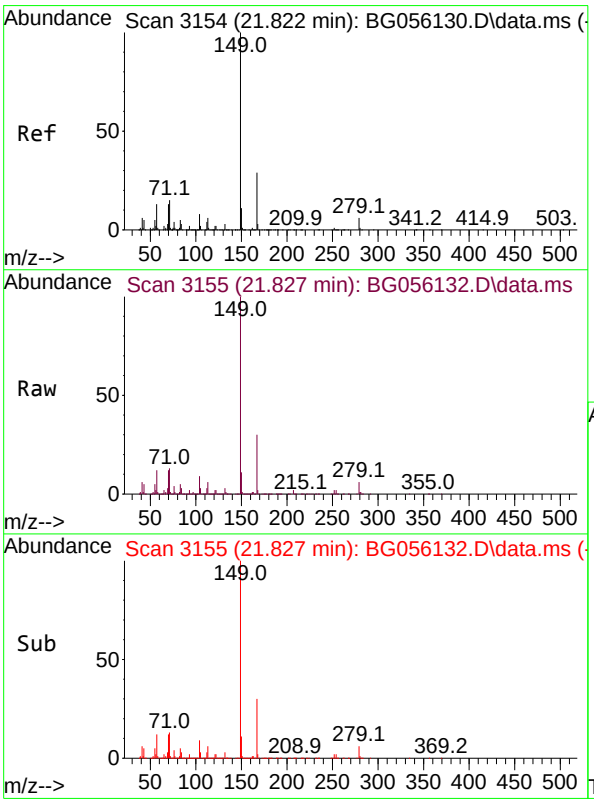
Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.6	36.8
229	20.1	15.8	23.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

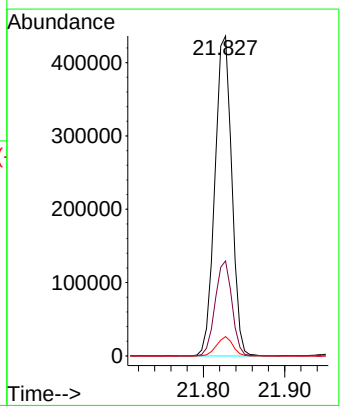
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

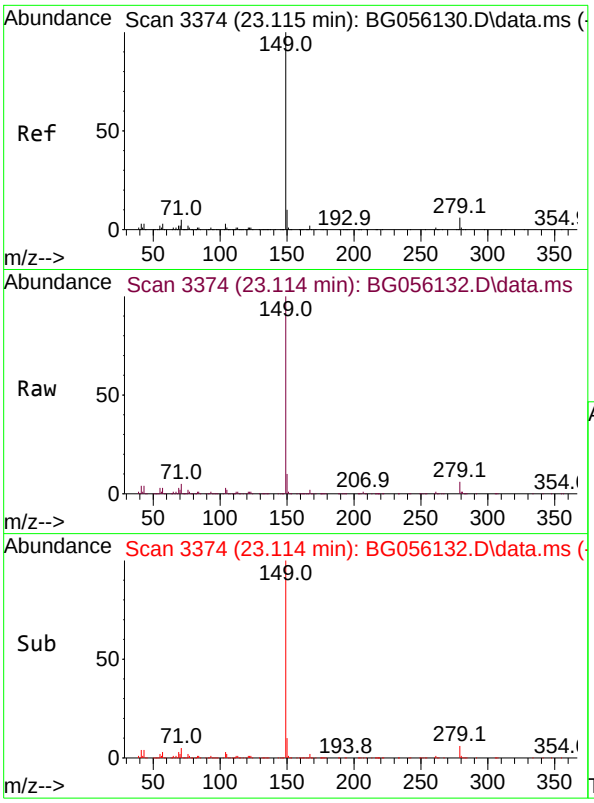


#84
Bis(2-ethylhexyl)phthalate
Concen: 68.046 ng
RT: 21.827 min Scan# 3155
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:149 Resp: 628704

Ion	Ratio	Lower	Upper
149	100		
167	29.7	23.4	35.2
279	6.0	4.7	7.1

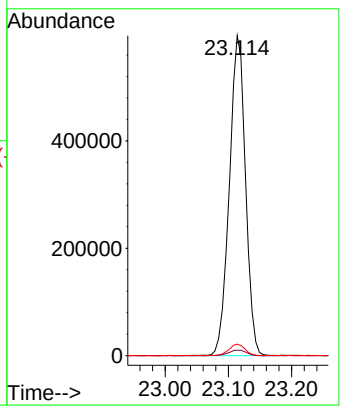




#85
Di-n-octyl phthalate
Concen: 67.576 ng
RT: 23.114 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:149 Resp: 105910

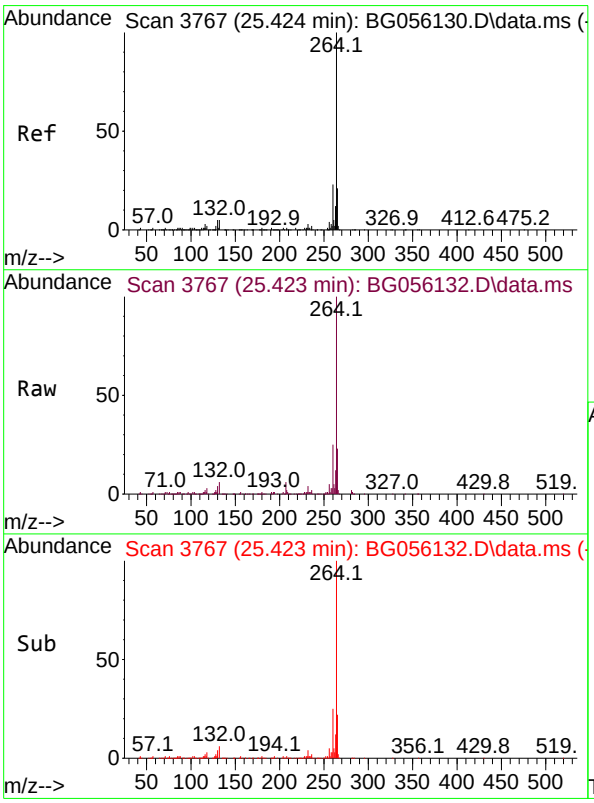
Ion	Ratio	Lower	Upper
149	100		
167	1.9	1.4	2.2
43	3.6	2.9	4.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

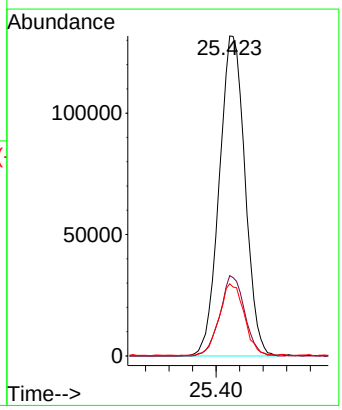
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

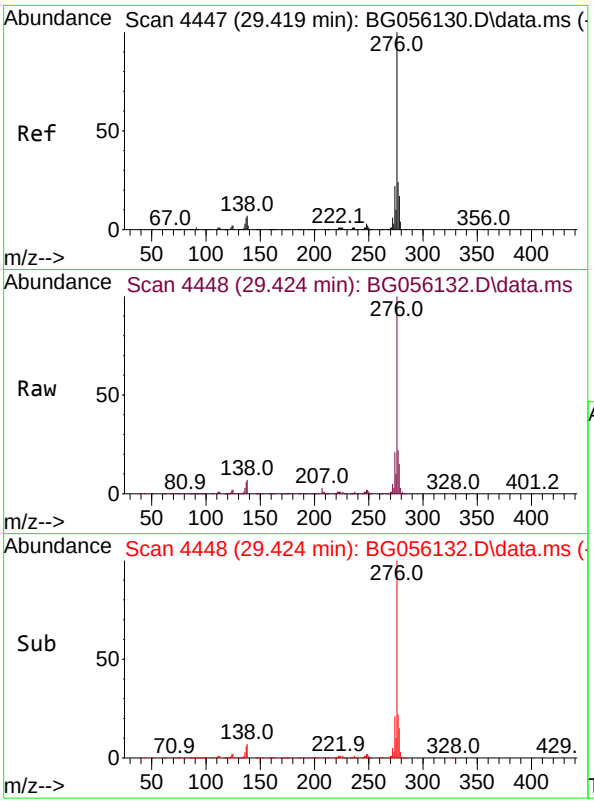


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.423 min Scan# 3767
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:264 Resp: 399880

Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.6	28.0
265	22.5	16.7	25.1

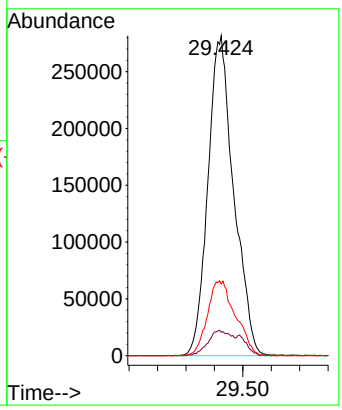




#87
Indeno(1,2,3-cd)pyrene
Concen: 55.180 ng
RT: 29.424 min Scan# 44
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:276 Resp: 177435

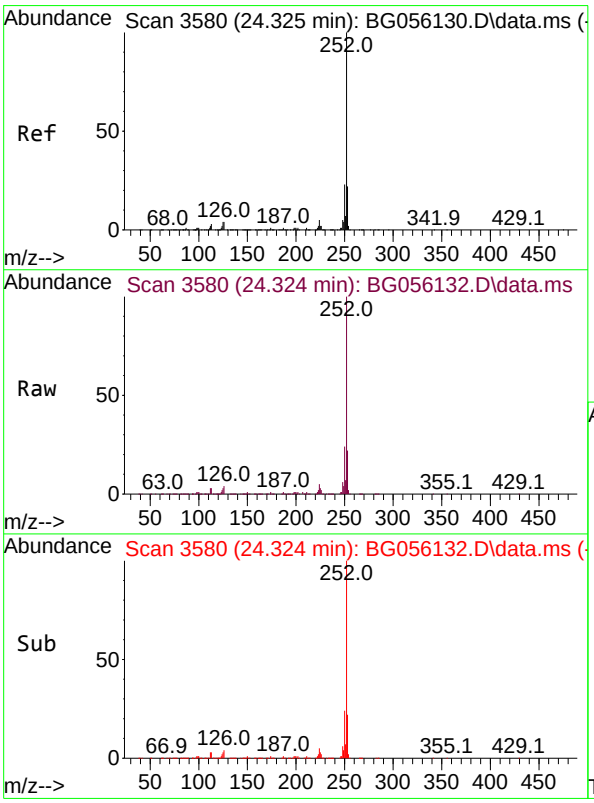
Ion	Ratio	Lower	Upper
276	100		
138	7.1	5.0	7.4
277	25.3	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

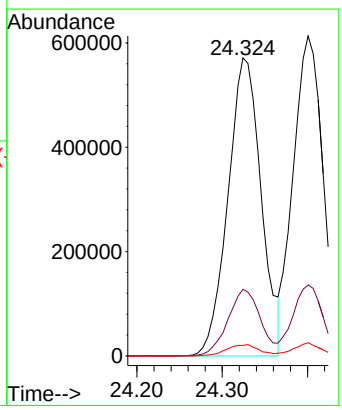
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

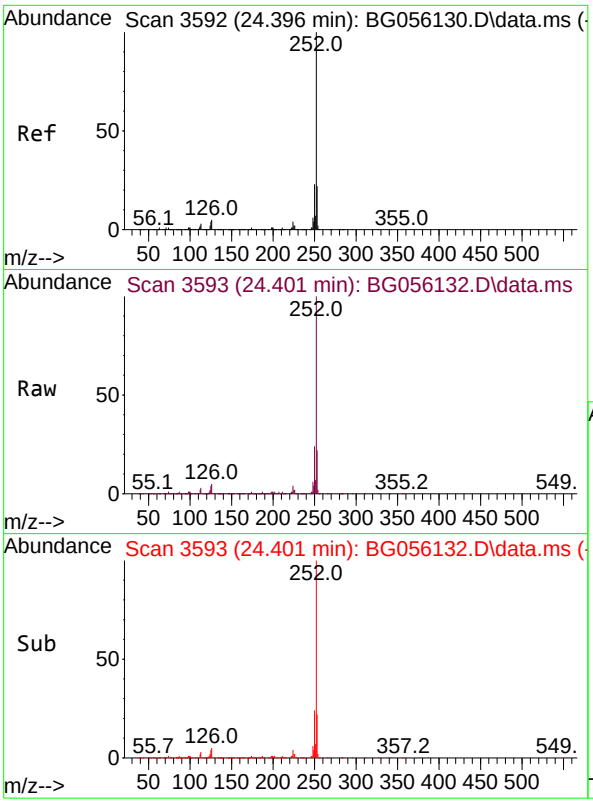


#88
Benzo(b)fluoranthene
Concen: 59.754 ng
RT: 24.324 min Scan# 3580
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:252 Resp: 1546422

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	3.5	3.0	4.4

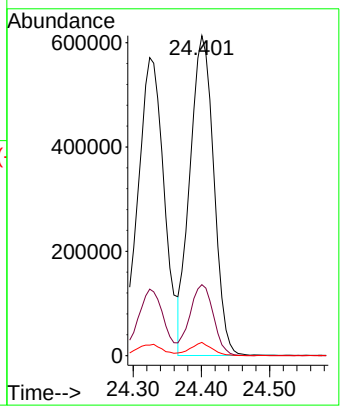




#89
Benzo(k)fluoranthene
Concen: 57.775 ng
RT: 24.401 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:252 Resp: 149178

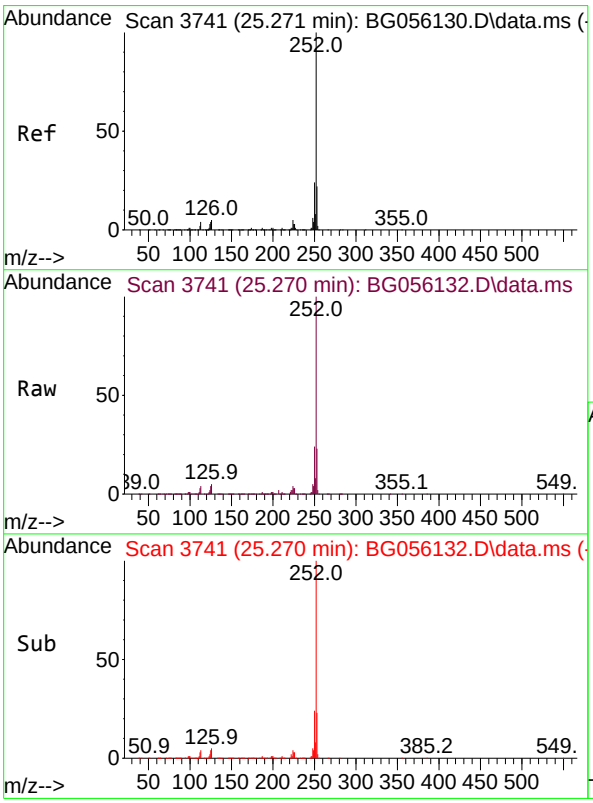
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	4.1	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

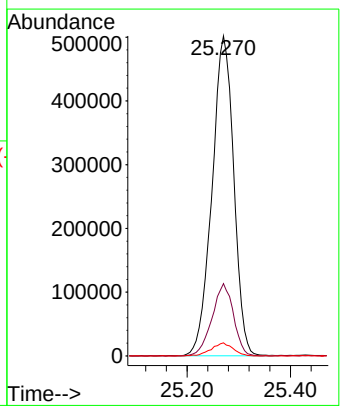
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

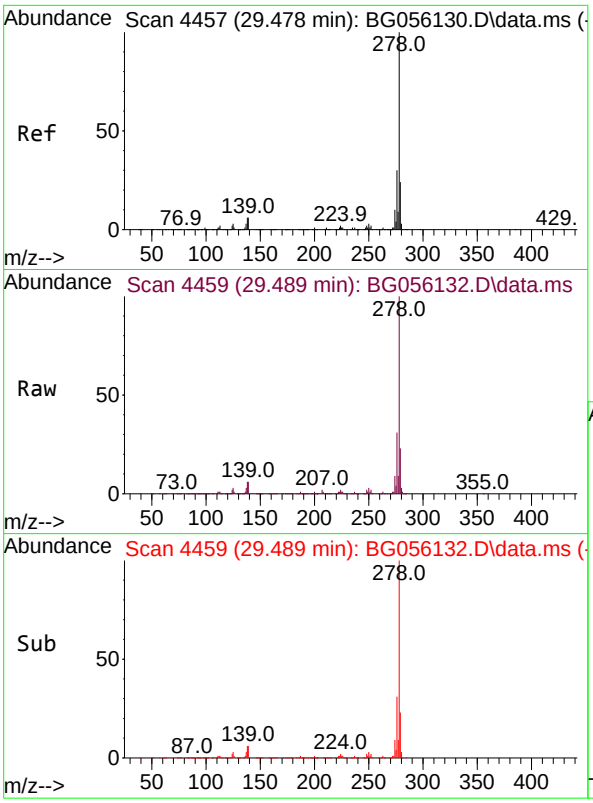


#90
Benzo(a)pyrene
Concen: 67.219 ng
RT: 25.270 min Scan# 3741
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:252 Resp: 1470467

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	4.1	3.2	4.8

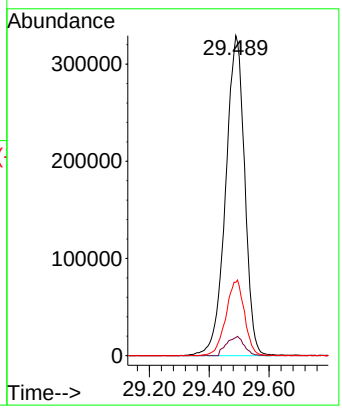




#91
Dibenzo(a,h)anthracene
Concen: 54.232 ng
RT: 29.489 min Scan# 44
Delta R.T. 0.011 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:278 Resp: 145960

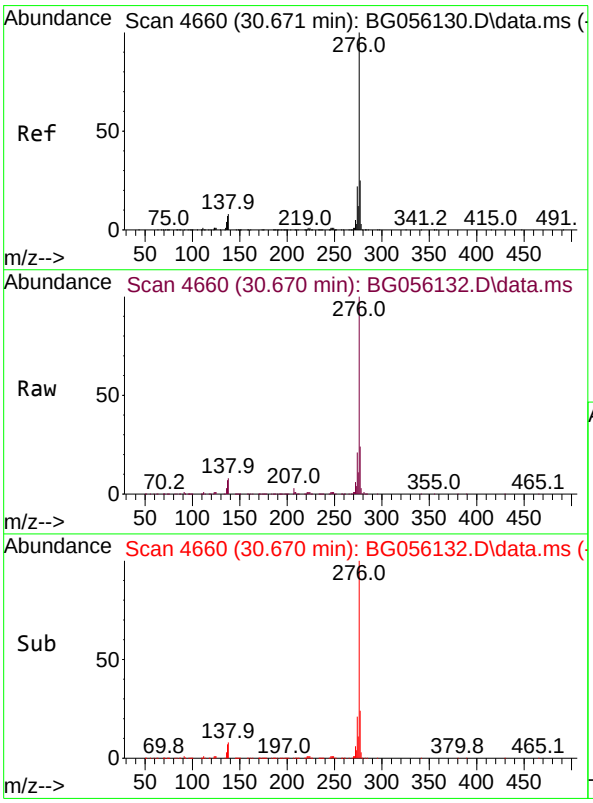
Ion	Ratio	Lower	Upper
278	100		
139	5.6	4.8	7.2
279	22.9	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

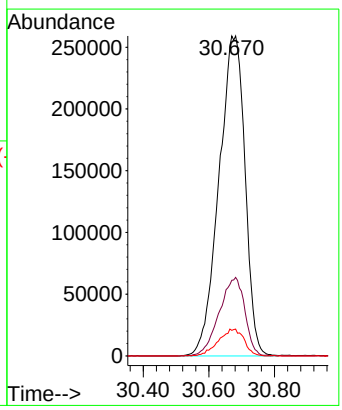
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#92
Benzo(g,h,i)perylene
Concen: 54.966 ng
RT: 30.670 min Scan# 4660
Delta R.T. -0.001 min
Lab File: BG056132.D
Acq: 27 Dec 2022 19:01

Tgt Ion:276 Resp: 1430336

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.7	29.5
138	8.0	6.7	10.1



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056133.D
Acq On : 27 Dec 2022 19:42
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 28 04:56:31 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.341	152	43714	20.000	ng		0.00
21) Naphthalene-d8	11.173	136	163130	20.000	ng		0.00
39) Acenaphthene-d10	14.950	164	144183	20.000	ng		0.00
64) Phenanthrene-d10	17.683	188	363363	20.000	ng		0.00
76) Chrysene-d12	21.977	240	343910	20.000	ng	#	0.00
86) Perylene-d12	25.426	264	384265	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.855	112	359809	193.031	ng		0.00
7) Phenol-d6	7.477	99	561303	234.134	ng		0.00
23) Nitrobenzene-d5	9.516	82	492871	211.138	ng		0.00
42) 2,4,6-Tribromophenol	16.425	330	284005	81.688	ng		0.00
45) 2-Fluorobiphenyl	13.576	172	1574140	153.118	ng		0.00
79) Terphenyl-d14	20.256	244	2841066	146.005	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.675	88	77324	142.544	ng		97
3) Pyridine	4.093	79	255623m	143.191	ng		
4) n-Nitrosodimethylamine	3.999	42	52455	32.687	ng	#	99
6) Aniline	7.653	93	369698	128.800	ng		96
8) 2-Chlorophenol	7.900	128	183297	76.221	ng		93
9) Benzaldehyde	7.465	77	146358	97.209	ng		97
10) Phenol	7.500	94	281216	107.180	ng		98
11) bis(2-Chloroethyl)ether	7.741	93	187166	109.514	ng		97
12) 1,3-Dichlorobenzene	8.229	146	213328	68.576	ng		95
13) 1,4-Dichlorobenzene	8.376	146	219695	69.105	ng		98
14) 1,2-Dichlorobenzene	8.699	146	210143	69.165	ng		97
15) Benzyl Alcohol	8.570	79	209627	84.152	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.858	45	31585	14.200	ng		95
17) 2-Methylphenol	8.769	107	214117	103.720	ng		98
18) Hexachloroethane	9.439	117	64811	67.159	ng		97
19) n-Nitroso-di-n-propyla...	9.145	70	165636	96.390	ng		97
20) 3+4-Methylphenols	9.098	107	307026	104.219	ng		97
22) Acetophenone	9.169	105	354129	87.571	ng	#	98
24) Nitrobenzene	9.557	77	245673	104.557	ng		98
25) Isophorone	10.080	82	509664	104.121	ng		98
26) 2-Nitrophenol	10.268	139	131860	94.798	ng		98
27) 2,4-Dimethylphenol	10.315	122	230331	98.599	ng		98
28) bis(2-Chloroethoxy)met...	10.556	93	266782	123.317	ng		98
29) 2,4-Dichlorophenol	10.808	162	259504	78.267	ng		96
30) 1,2,4-Trichlorobenzene	11.031	180	290544	67.410	ng		99
31) Naphthalene	11.225	128	678634	78.842	ng		99
32) Benzoic acid	10.473	122	180072	99.925	ng		96
33) 4-Chloroaniline	11.319	127	325974	88.341	ng		99
34) Hexachlorobutadiene	11.496	225	207016	51.089	ng		98
35) Caprolactam	12.107	113	84409	91.372	ng		97
36) 4-Chloro-3-methylphenol	12.412	107	261956	84.256	ng		97
37) 2-Methylnaphthalene	12.800	142	568920	74.812	ng		99
38) 1-Methylnaphthalene	13.017	142	528393	71.324	ng		97
40) 1,2,4,5-Tetrachloroben...	13.158	216	415762	68.345	ng		99
41) Hexachlorocyclopentadiene	13.135	237	255461	74.022	ng		97
43) 2,4,6-Trichlorophenol	13.388	196	283589	78.752	ng		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056133.D
Acq On : 27 Dec 2022 19:42
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 28 04:56:31 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.464	196	330735	81.475	ng		99
46) 1,1'-Biphenyl	13.787	154	795621	81.410	ng		99
47) 2-Chloronaphthalene	13.840	162	628456	79.140	ng		98
48) 2-Nitroaniline	14.028	65	136243	102.565	ng		97
49) Acenaphthylene	14.674	152	1008493	79.563	ng		99
50) Dimethylphthalate	14.392	163	868369	69.662	ng		100
51) 2,6-Dinitrotoluene	14.516	165	190941	98.984	ng		97
52) Acenaphthene	15.015	154	667321	78.421	ng		96
53) 3-Nitroaniline	14.845	138	181620	92.563	ng		99
54) 2,4-Dinitrophenol	15.044	184	144607	100.837	ng		95
55) Dibenzofuran	15.344	168	1079751	75.456	ng		97
56) 4-Nitrophenol	15.133	139	142143	90.402	ng		99
57) 2,4-Dinitrotoluene	15.297	165	268901	92.349	ng		92
58) Fluorene	15.990	166	859945	73.516	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.561	232	304674	65.699	ng		96
60) Diethylphthalate	15.738	149	803371	65.937	ng		98
61) 4-Chlorophenyl-phenyle...	15.967	204	546457	68.576	ng		98
62) 4-Nitroaniline	16.008	138	183153	85.714	ng		99
63) Azobenzene	16.261	77	618042	83.342	ng		99
65) 4,6-Dinitro-2-methylph...	16.055	198	202540	116.684	ng		97
66) n-Nitrosodiphenylamine	16.184	169	789641	82.927	ng		97
67) 4-Bromophenyl-phenylether	16.860	248	365829	68.708	ng		97
68) Hexachlorobenzene	16.989	284	341307	52.042	ng		98
69) Atrazine	17.118	200	320685	74.379	ng		98
70) Pentachlorophenol	17.324	266	275605	73.508	ng		98
71) Phenanthrene	17.730	178	1440904	75.669	ng		99
72) Anthracene	17.818	178	1470034	78.032	ng		98
73) Carbazole	18.076	167	1233506	79.390	ng		98
74) Di-n-butylphthalate	18.611	149	1249494	69.151	ng		99
75) Fluoranthene	19.715	202	1837939	68.928	ng		99
77) Benzidine	19.880	184	903056	149.521	ng		97
78) Pyrene	20.074	202	1827824	87.833	ng		98
80) Butylbenzylphthalate	20.932	149	551778	93.572	ng		97
81) Benzo(a)anthracene	21.954	228	1862635	76.968	ng		99
82) 3,3'-Dichlorobenzidine	21.860	252	665890	76.478	ng		99
83) Chrysene	22.030	228	1745568	76.962	ng		98
84) Bis(2-ethylhexyl)phtha...	21.825	149	783835	89.469	ng		98
85) Di-n-octyl phthalate	23.117	149	1322760	89.008	ng		100
87) Indeno(1,2,3-cd)pyrene	29.433	276	2173806	70.349	ng	#	99
88) Benzo(b)fluoranthene	24.328	252	1846538	74.250	ng		98
89) Benzo(k)fluoranthene	24.404	252	1871833	75.440	ng		99
90) Benzo(a)pyrene	25.279	252	1830788	87.092	ng		99
91) Dibenzo(a,h)anthracene	29.504	278	1804835	69.784	ng		100
92) Benzo(g,h,i)perylene	30.685	276	1765082	70.586	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

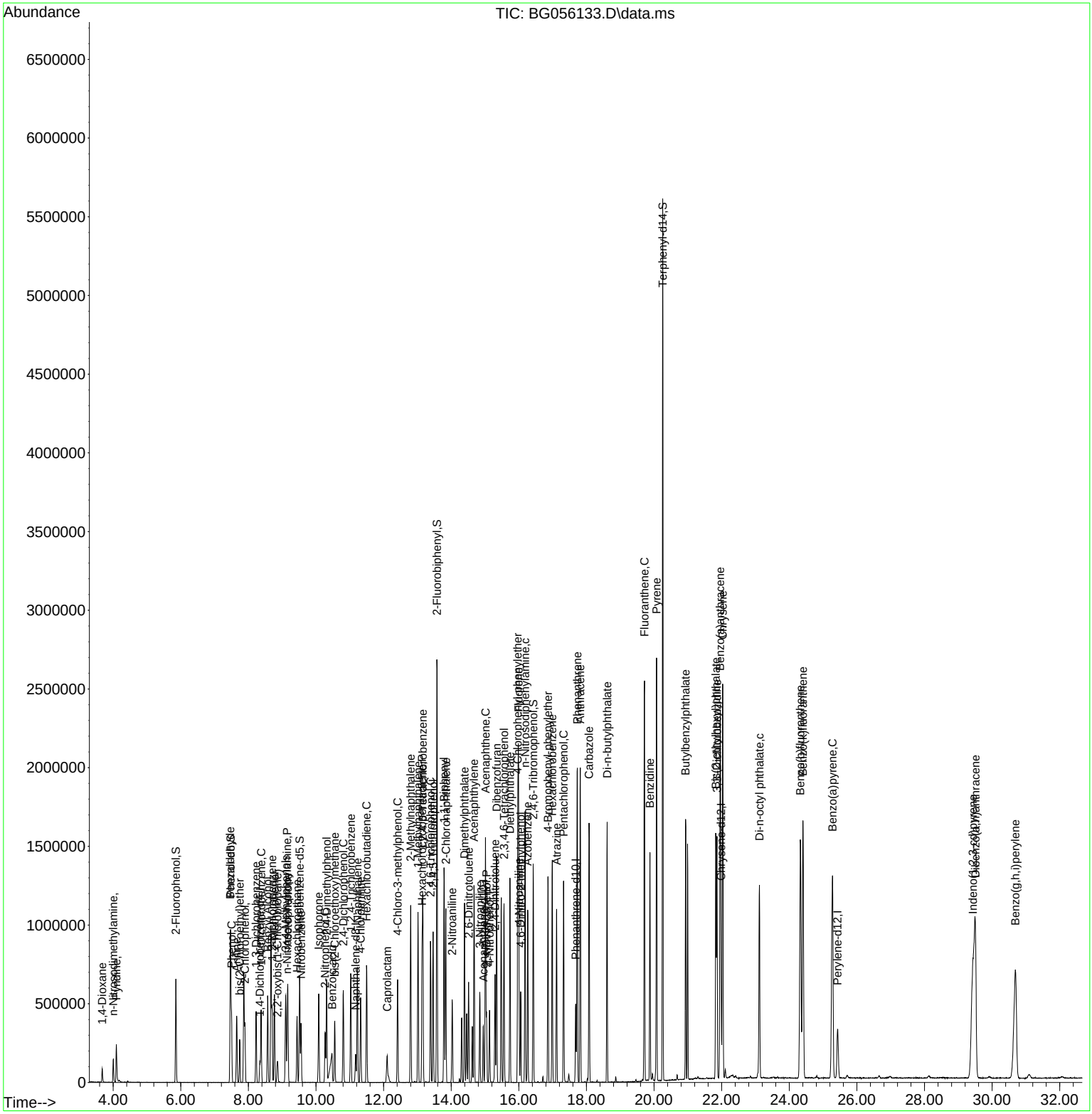
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056133.D
Acq On : 27 Dec 2022 19:42
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

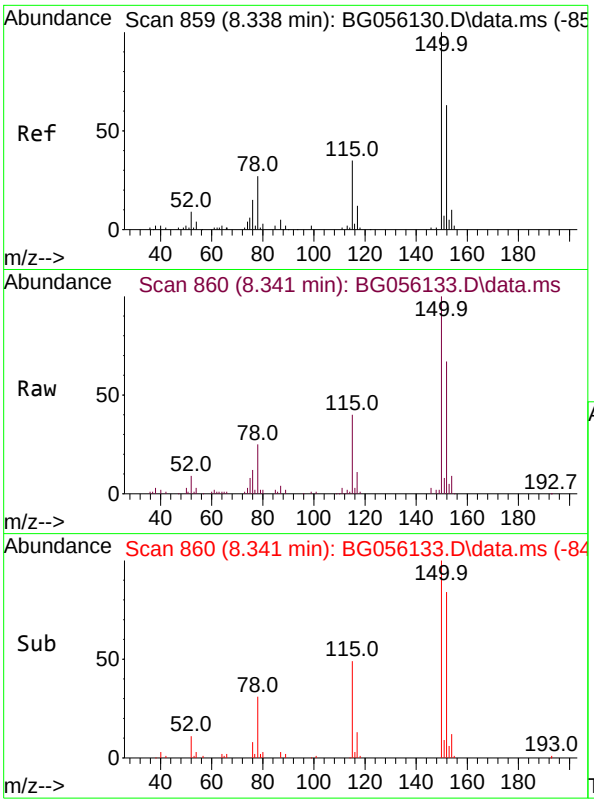
Quant Time: Dec 28 04:56:31 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 04:51:15 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

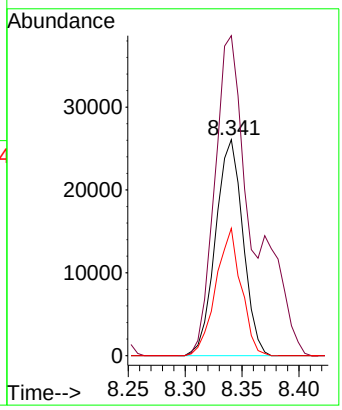




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.341 min Scan# 8
Delta R.T. 0.003 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:152 Resp: 4371

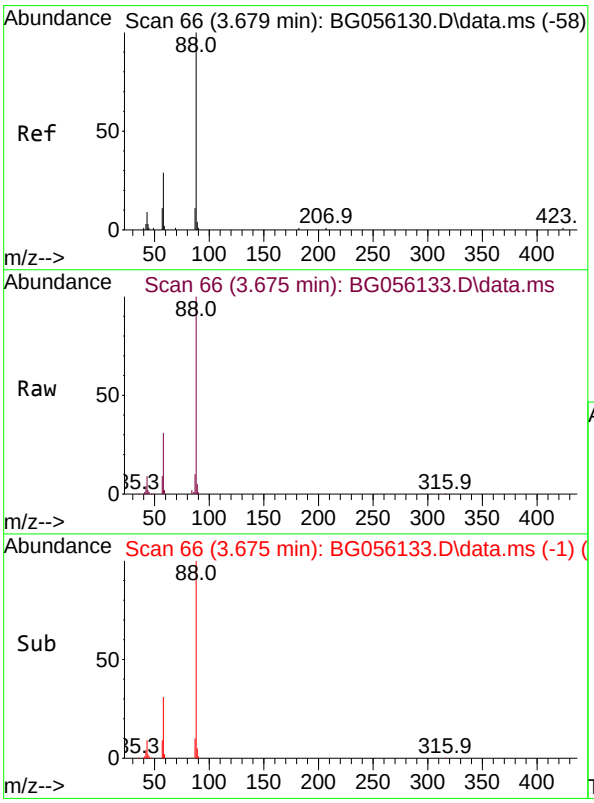
Ion	Ratio	Lower	Upper
152	100		
150	148.2	127.9	191.9
115	58.9	44.2	66.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

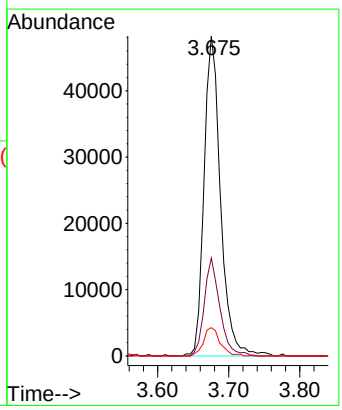
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

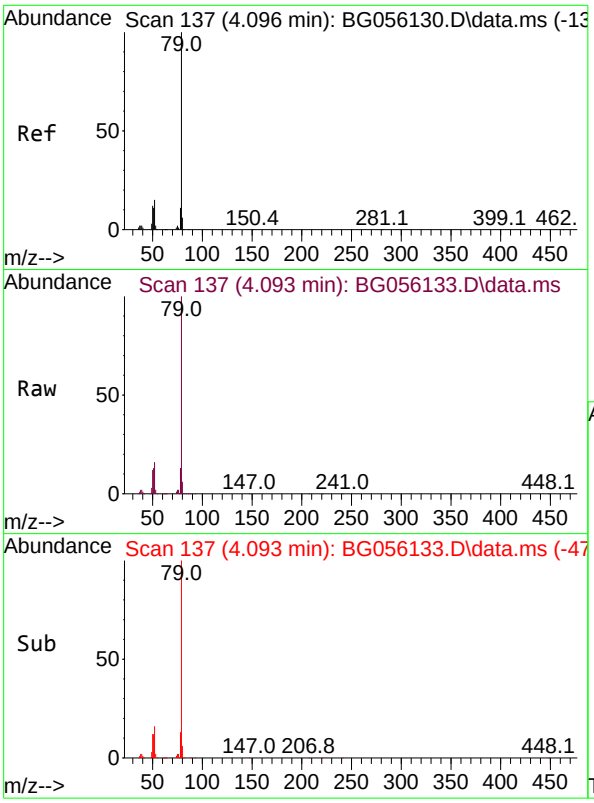


#2
1,4-Dioxane
Concen: 142.544 ng
RT: 3.675 min Scan# 66
Delta R.T. -0.003 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 88 Resp: 77324

Ion	Ratio	Lower	Upper
88	100		
58	28.8	21.4	32.0
43	8.9	7.1	10.7

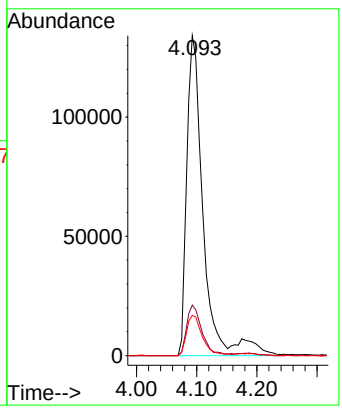




#3
Pyridine
Concen: 143.191 ng m
RT: 4.093 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 79 Resp: 25562

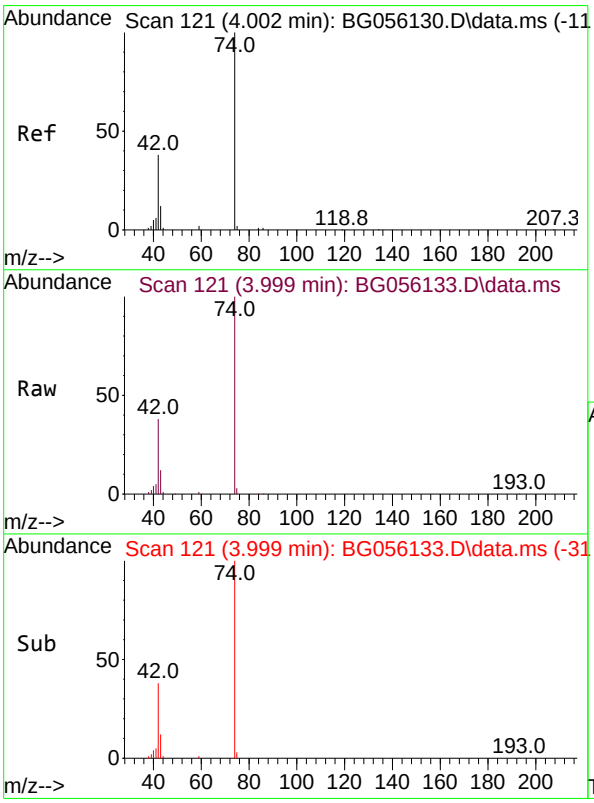
Ion	Ratio	Lower	Upper
79	100		
52	15.8	11.8	17.6
51	12.6	8.8	13.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

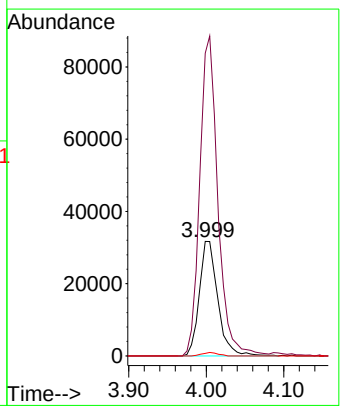
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

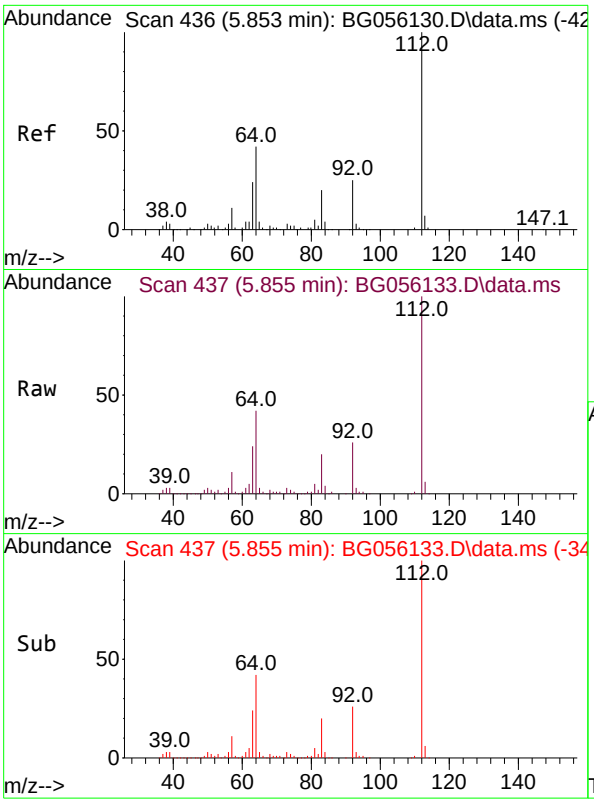


#4
n-Nitrosodimethylamine
Concen: 32.687 ng
RT: 3.999 min Scan# 121
Delta R.T. -0.003 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 42 Resp: 52455

Ion	Ratio	Lower	Upper
42	100		
74	264.2	212.6	319.0
44	2.2	2.6	3.8#

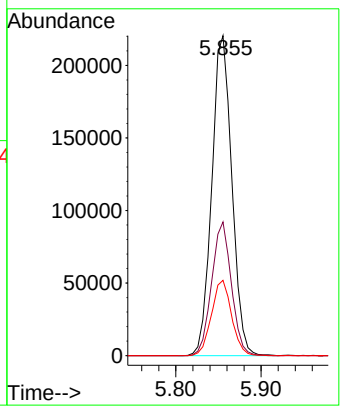




#5
2-Fluorophenol
Concen: 193.031 ng
RT: 5.855 min Scan# 4
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:112 Resp: 359809

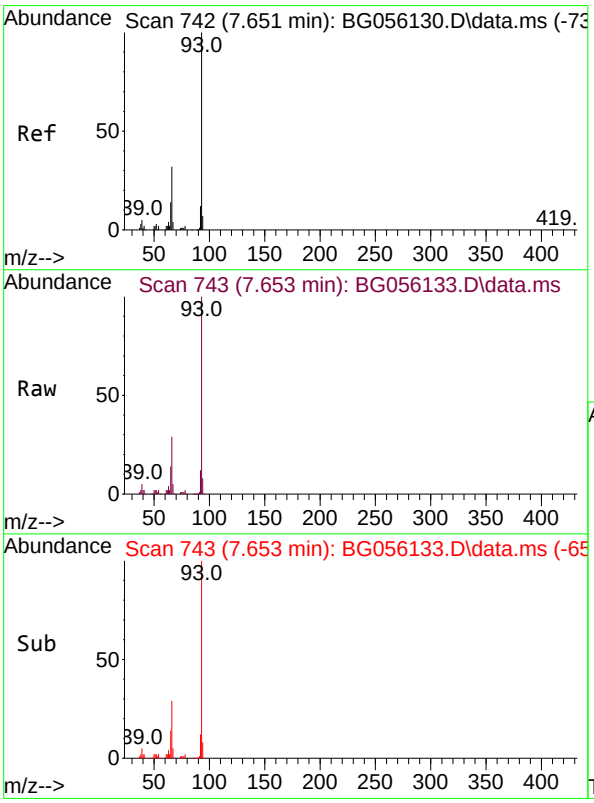
Ion	Ratio	Lower	Upper
112	100		
64	41.8	33.3	49.9
63	23.5	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

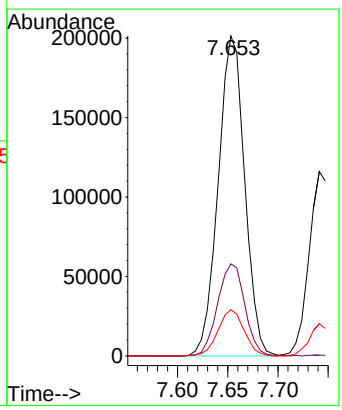
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

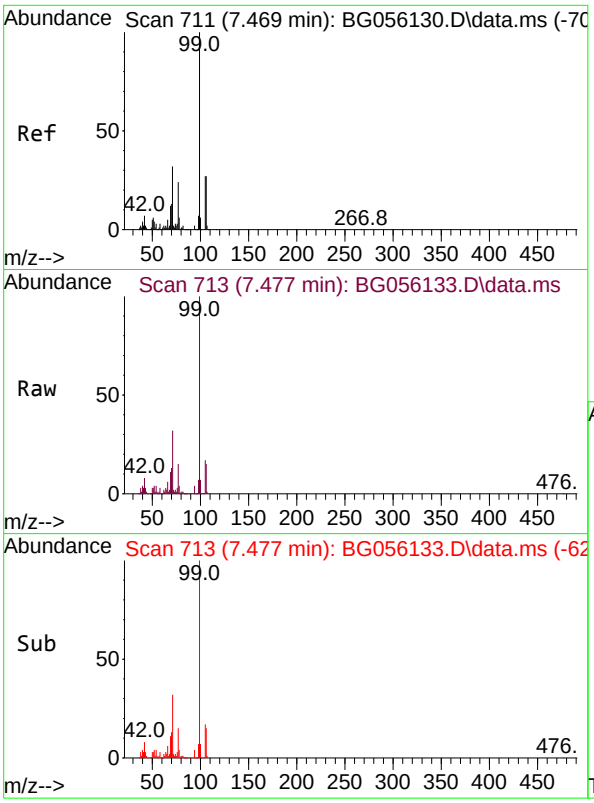


#6
Aniline
Concen: 128.800 ng
RT: 7.653 min Scan# 743
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 93 Resp: 369698

Ion	Ratio	Lower	Upper
93	100		
66	28.8	25.4	38.2
65	14.5	11.4	17.2

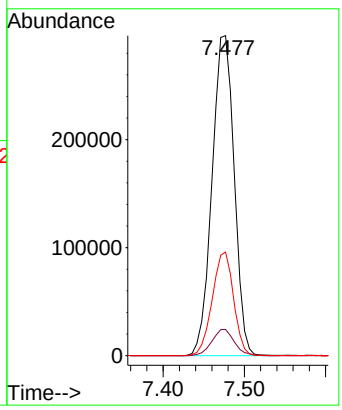




#7
Phenol-d6
Concen: 234.134 ng
RT: 7.477 min Scan# 7
Delta R.T. 0.008 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 99 Resp: 56130

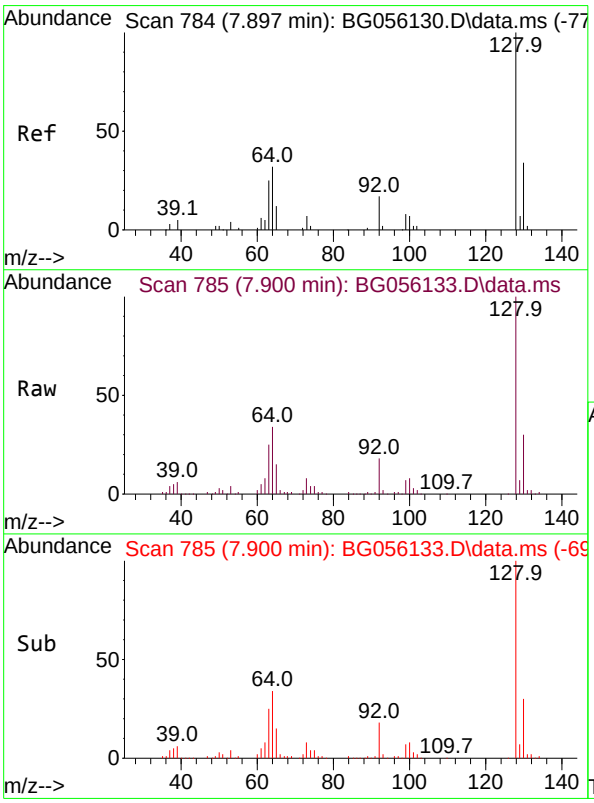
Ion	Ratio	Lower	Upper
99	100		
42	8.2	5.9	8.9
71	32.4	25.4	38.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

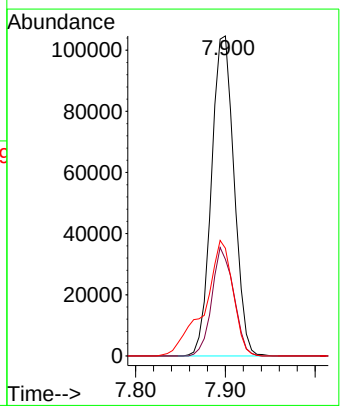
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

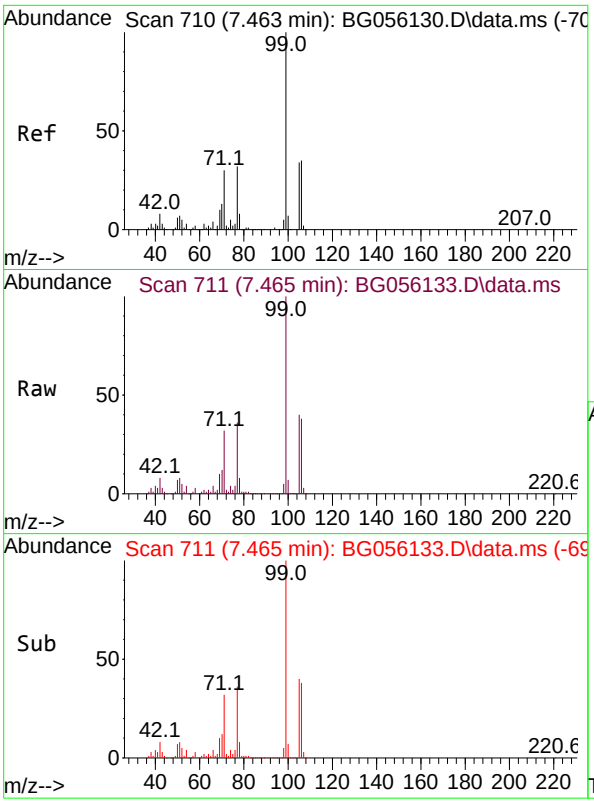


#8
2-Chlorophenol
Concen: 76.221 ng
RT: 7.900 min Scan# 785
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:128 Resp: 183297

Ion	Ratio	Lower	Upper
128	100		
130	30.2	13.5	53.5
64	33.6	18.0	58.0

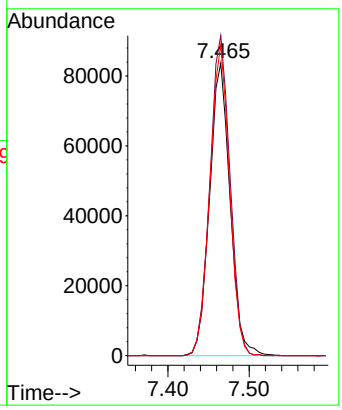




#9
Benzaldehyde
Concen: 97.209 ng
RT: 7.465 min Scan# 71
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 77 Resp: 146358

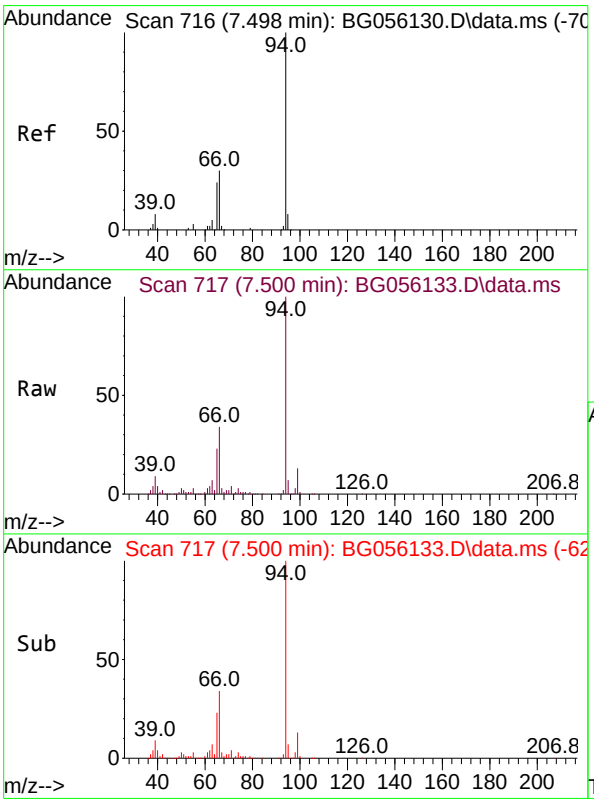
Ion	Ratio	Lower	Upper
77	100		
105	109.4	86.8	126.8
106	106.2	89.3	129.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

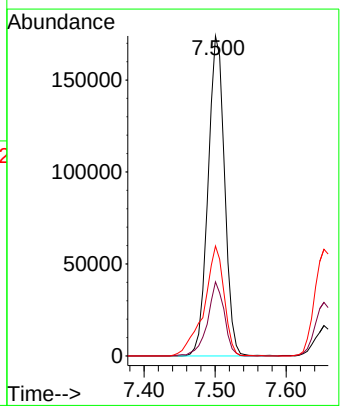
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

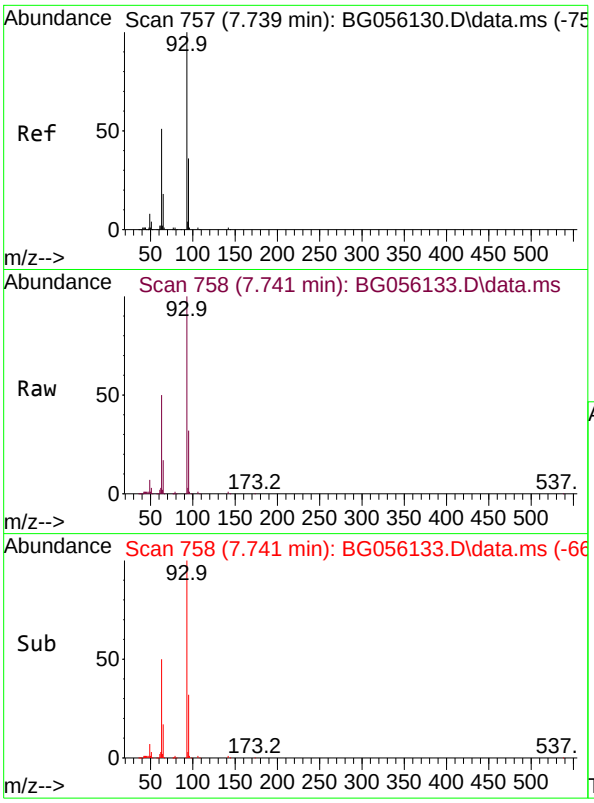


#10
Phenol
Concen: 107.180 ng
RT: 7.500 min Scan# 717
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 94 Resp: 281216

Ion	Ratio	Lower	Upper
94	100		
65	23.1	4.3	44.3
66	34.3	13.2	53.2

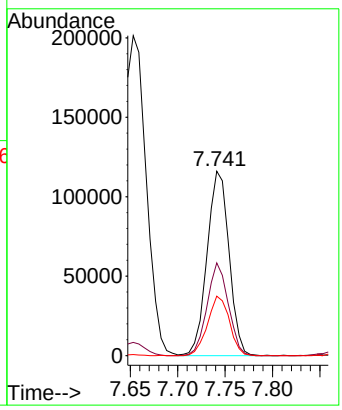




#11
bis(2-Chloroethyl)ether
Concen: 109.514 ng
RT: 7.741 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 93 Resp: 18716

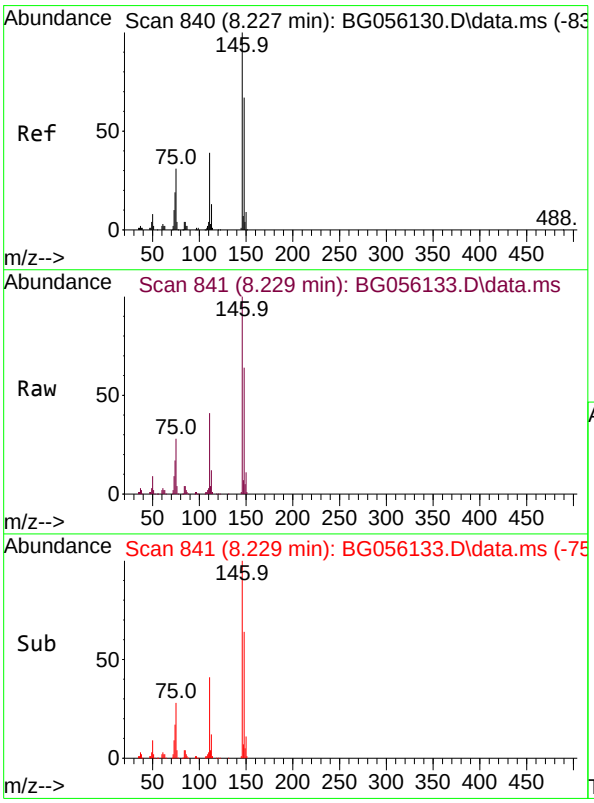
Ion	Ratio	Lower	Upper
93	100		
63	50.3	30.5	70.5
95	32.3	15.9	55.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

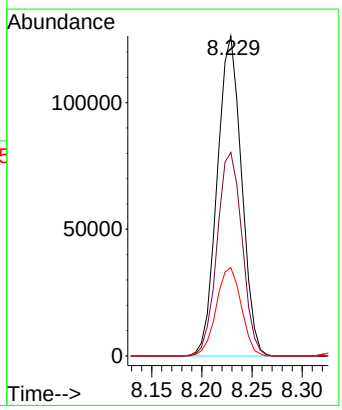
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

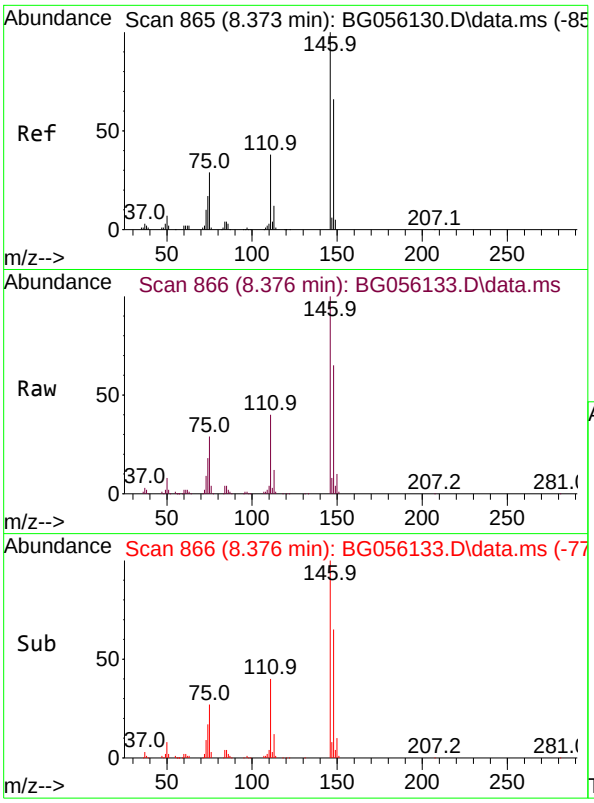


#12
1,3-Dichlorobenzene
Concen: 68.576 ng
RT: 8.229 min Scan# 841
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:146 Resp: 213328

Ion	Ratio	Lower	Upper
146	100		
148	63.6	53.5	80.3
75	27.6	24.8	37.2

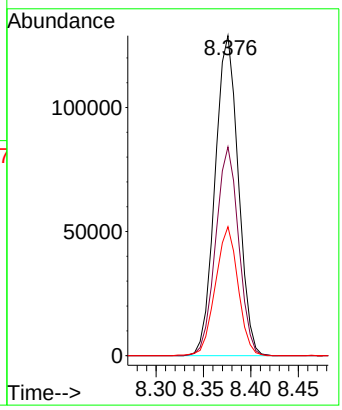




#13
1,4-Dichlorobenzene
Concen: 69.105 ng
RT: 8.376 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:146 Resp: 21969

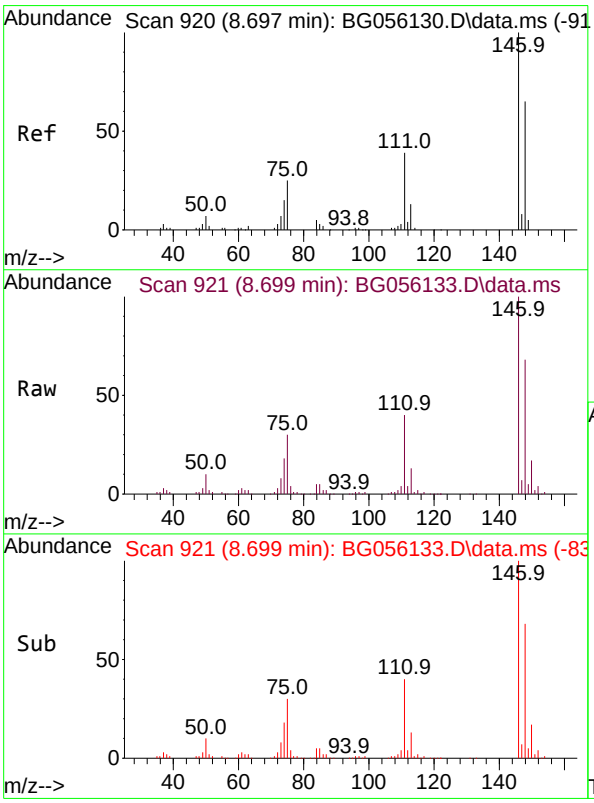
Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.8	79.2
111	40.3	30.5	45.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

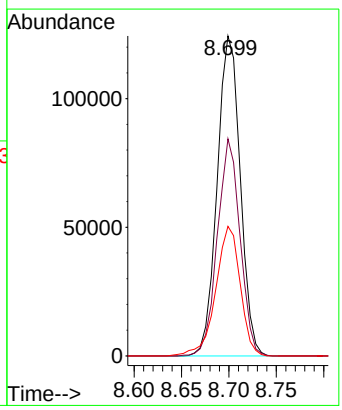
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

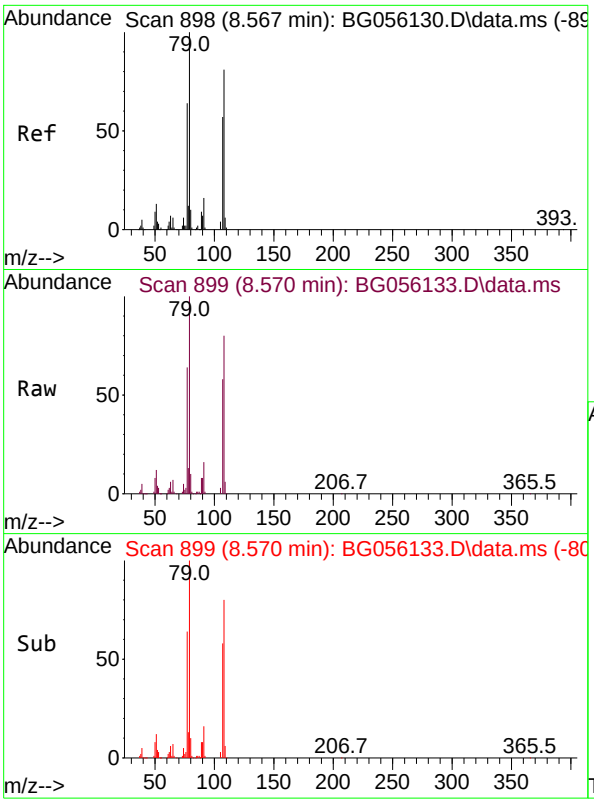


#14
1,2-Dichlorobenzene
Concen: 69.165 ng
RT: 8.699 min Scan# 921
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:146 Resp: 210143

Ion	Ratio	Lower	Upper
146	100		
148	67.8	51.7	77.5
111	40.5	31.5	47.3





#15
Benzyl Alcohol
Concen: 84.152 ng
RT: 8.570 min Scan# 89
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

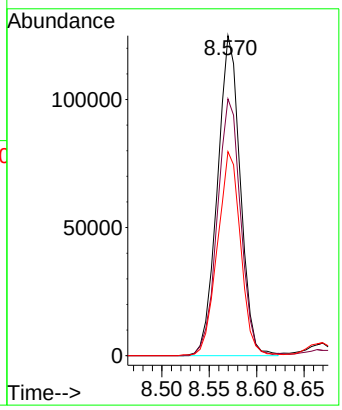
Tgt Ion: 79 Resp: 20962

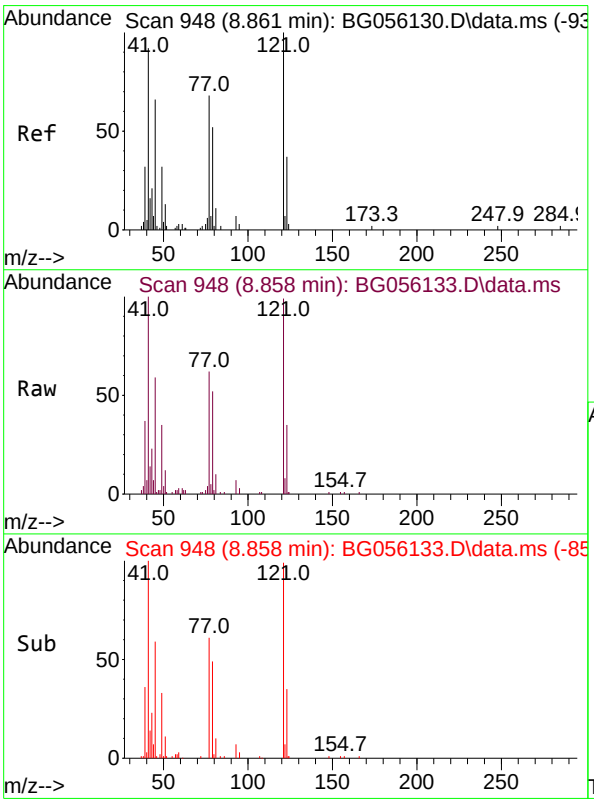
Ion	Ratio	Lower	Upper
79	100		
108	80.2	64.7	97.1
77	63.7	51.5	77.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

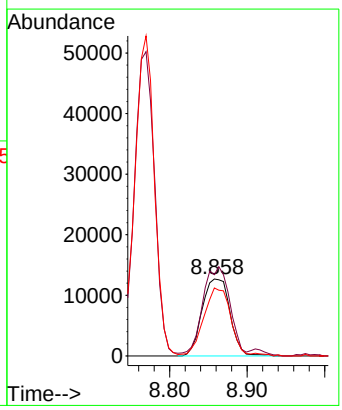


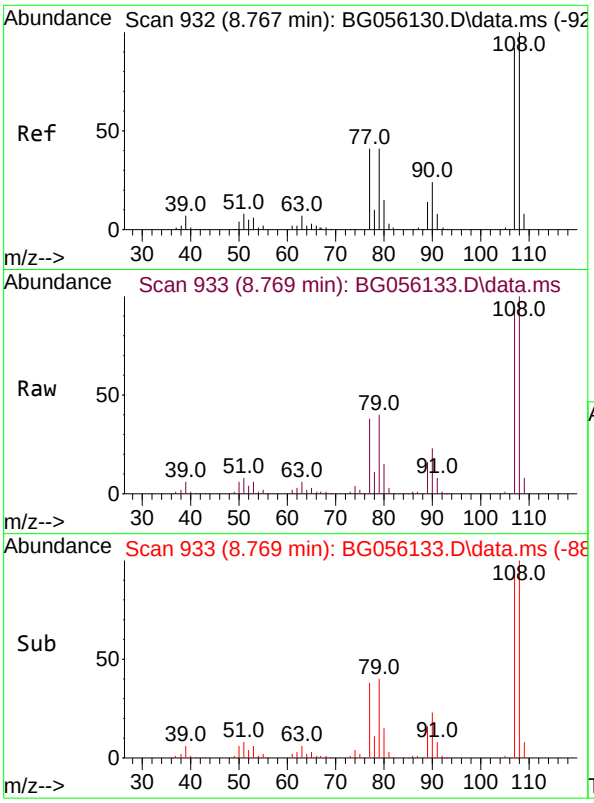


#16
2,2'-oxybis(1-Chloropropane)
Concen: 14.200 ng
RT: 8.858 min Scan# 948
Delta R.T. -0.003 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 45 Resp: 31585

Ion	Ratio	Lower	Upper
45	100		
77	105.7	88.2	128.2
79	88.5	61.2	101.2

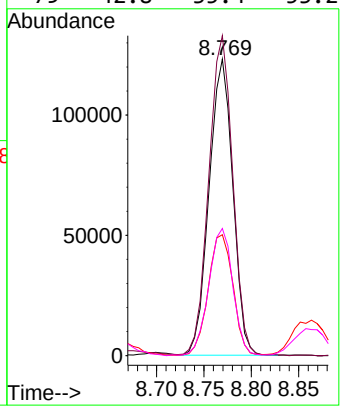




#17
2-Methylphenol
Concen: 103.720 ng
RT: 8.769 min Scan# 9
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:107 Resp: 21411

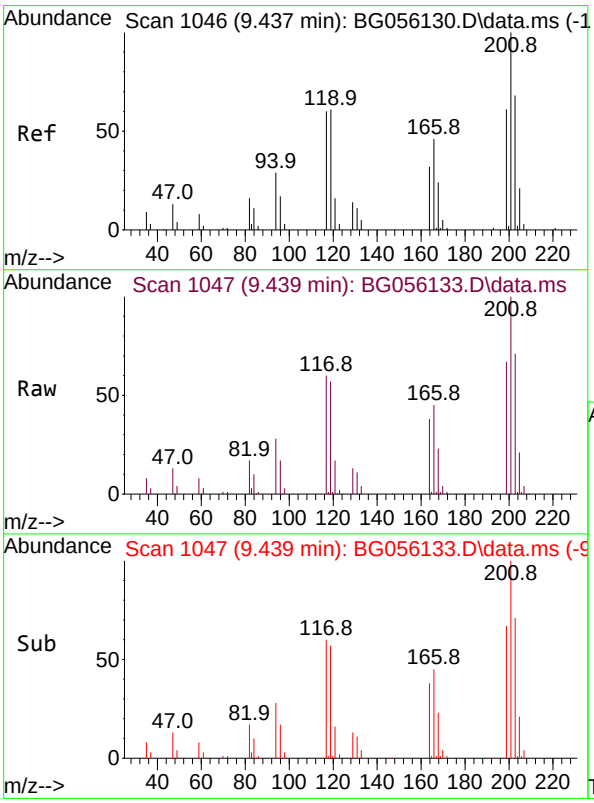
Ion	Ratio	Lower	Upper
107	100		
108	107.9	86.6	129.8
77	40.7	35.4	53.2
79	42.8	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

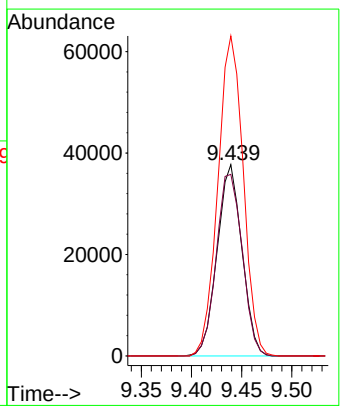
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

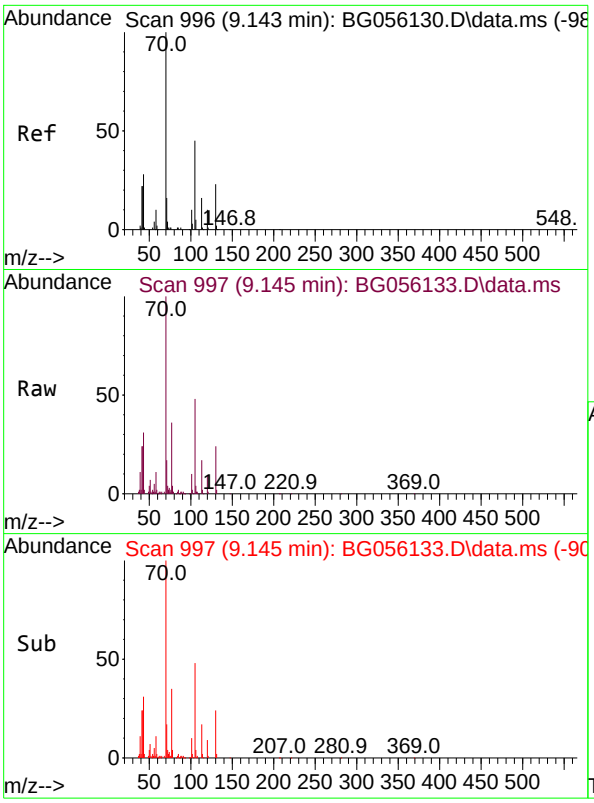


#18
Hexachloroethane
Concen: 67.159 ng
RT: 9.439 min Scan# 1047
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:117 Resp: 64811

Ion	Ratio	Lower	Upper
117	100		
119	95.9	81.8	122.6
201	167.2	134.2	201.2

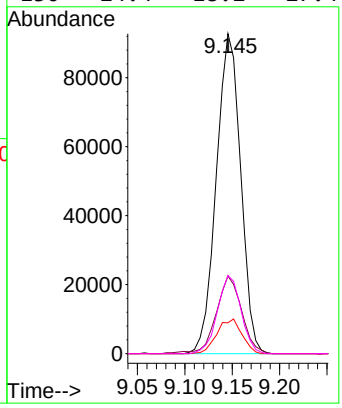




#19
n-Nitroso-di-n-propylamine
Concen: 96.390 ng
RT: 9.145 min Scan# 99
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 70 Resp: 16563

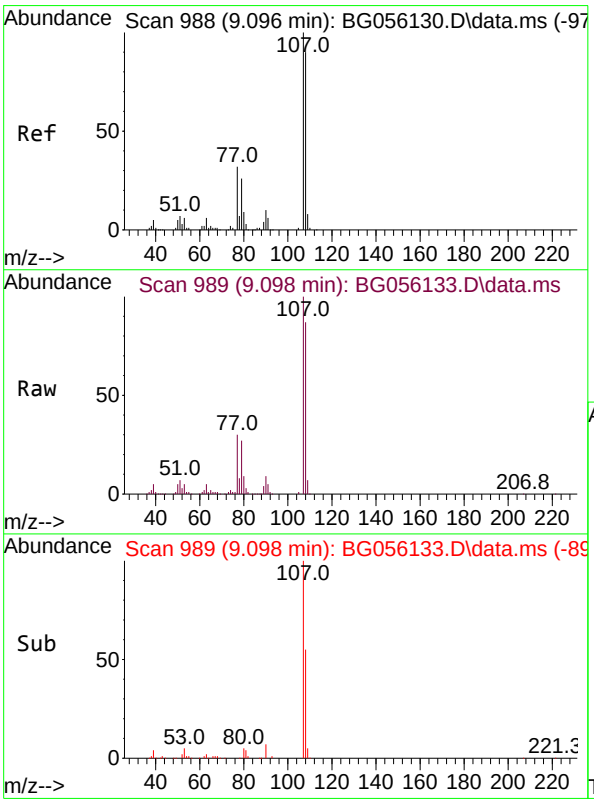
Ion	Ratio	Lower	Upper
70	100		
42	24.3	18.2	27.2
101	9.6	8.3	12.5
130	24.4	18.2	27.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

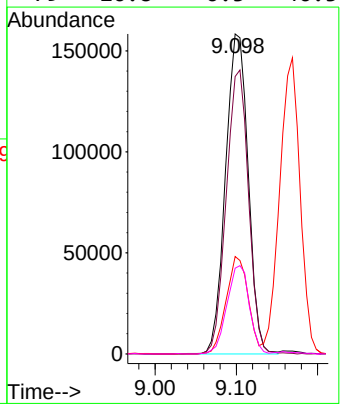
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

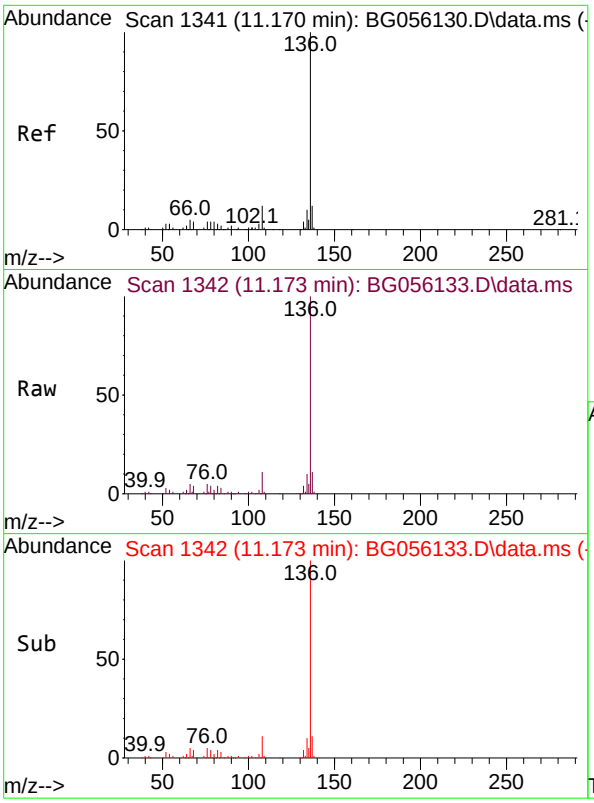


#20
3+4-Methylphenols
Concen: 104.219 ng
RT: 9.098 min Scan# 989
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:107 Resp: 307026

Ion	Ratio	Lower	Upper
107	100		
108	86.7	69.6	109.6
77	30.4	11.7	51.7
79	26.8	6.3	46.3

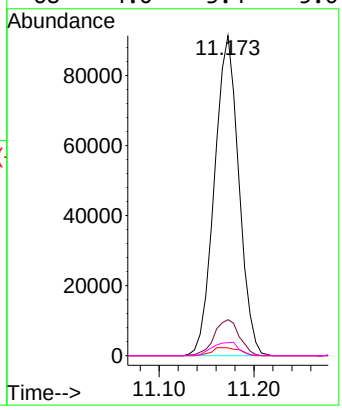




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.173 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:136 Resp: 16313

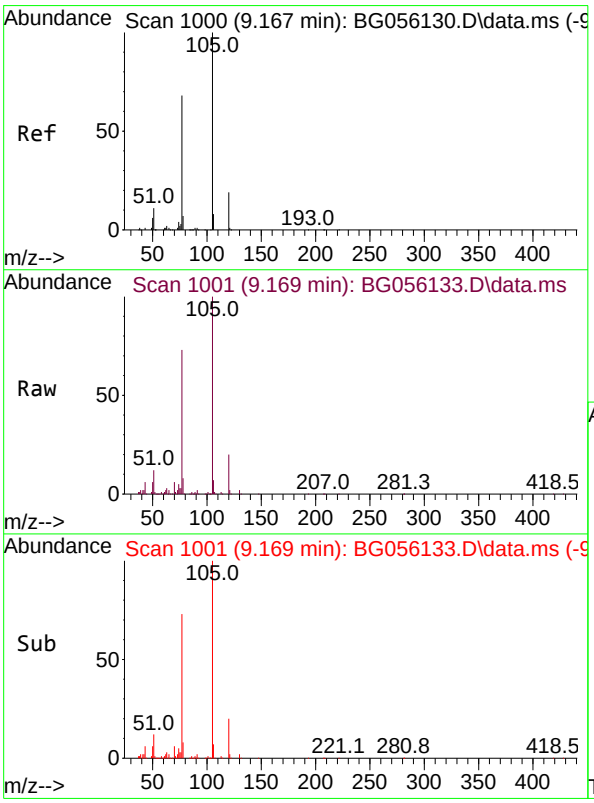
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	2.4	2.2	3.2
68	4.0	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

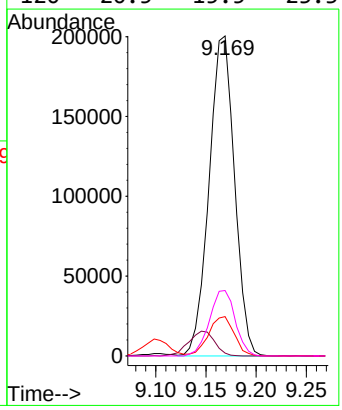
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

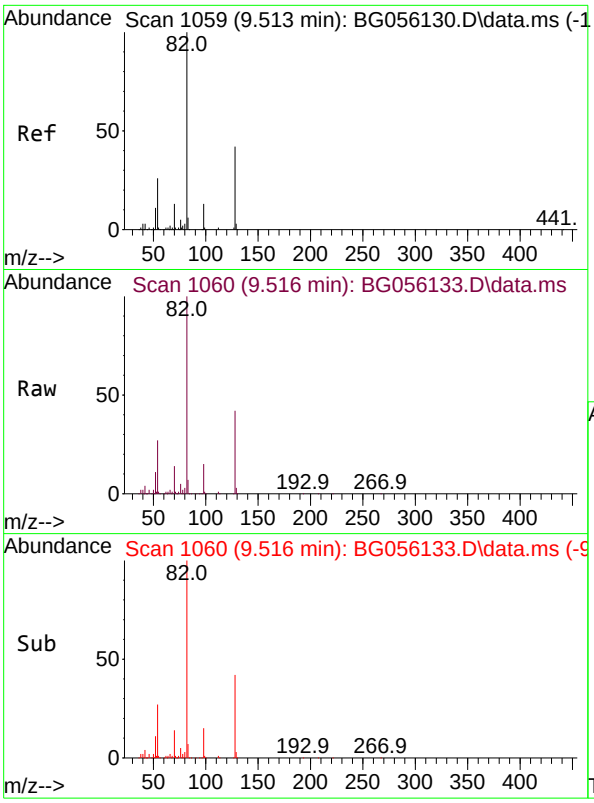


#22
Acetophenone
Concen: 87.571 ng
RT: 9.169 min Scan# 1001
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:105 Resp: 354129

Ion	Ratio	Lower	Upper
105	100		
71	0.9	0.5	0.7#
51	12.3	9.3	13.9
120	20.5	15.5	23.3

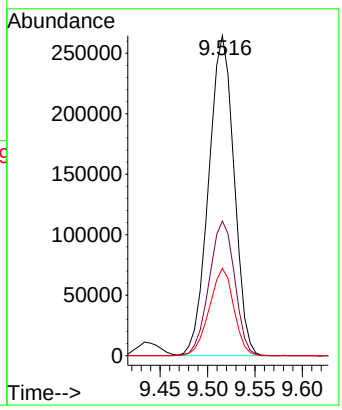




#23
Nitrobenzene-d5
Concen: 211.138 ng
RT: 9.516 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 82 Resp: 49287

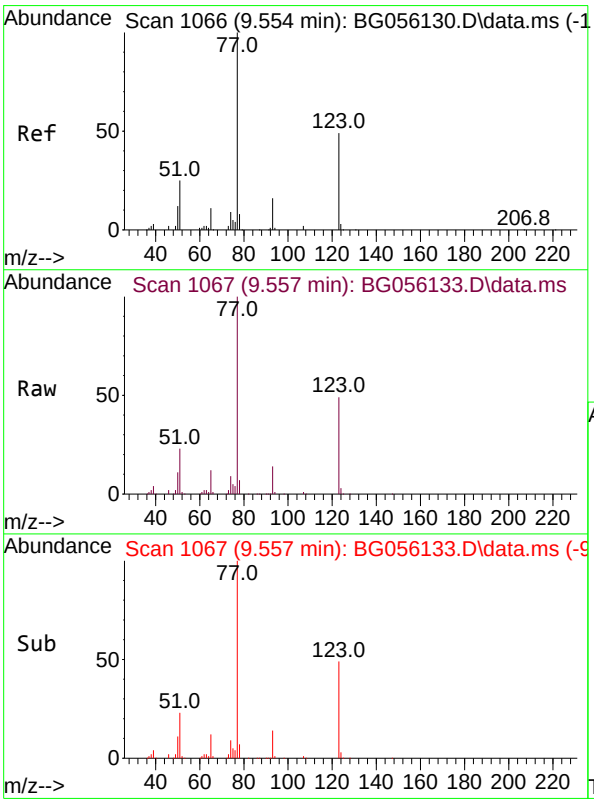
Ion	Ratio	Lower	Upper
82	100		
128	42.1	33.4	50.2
54	27.2	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

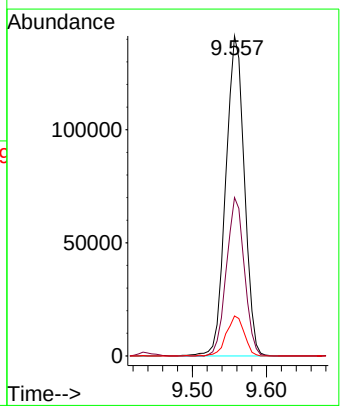
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

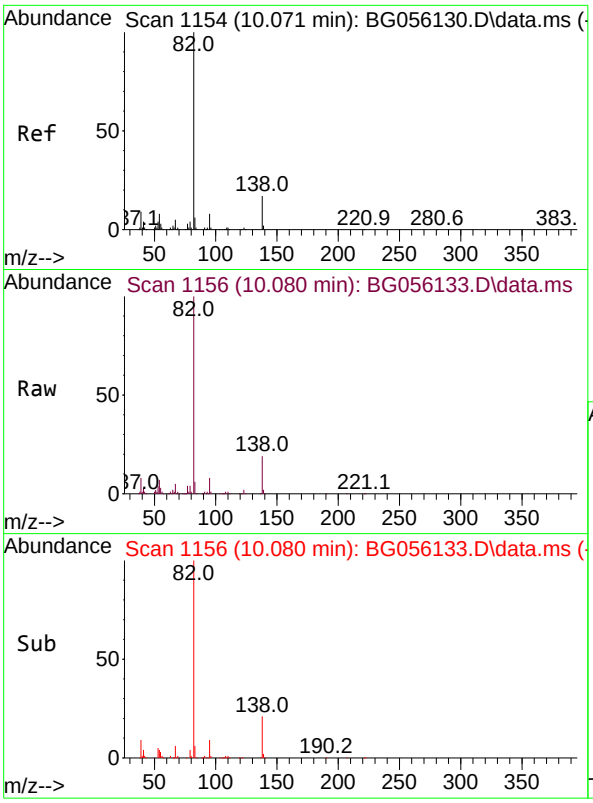


#24
Nitrobenzene
Concen: 104.557 ng
RT: 9.557 min Scan# 1067
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 77 Resp: 245673

Ion	Ratio	Lower	Upper
77	100		
123	49.5	38.8	58.2
65	12.5	9.1	13.7

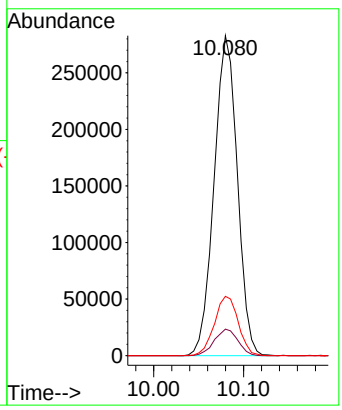




#25
Isophorone
Concen: 104.121 ng
RT: 10.080 min Scan# 11
Delta R.T. 0.008 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 82 Resp: 50966

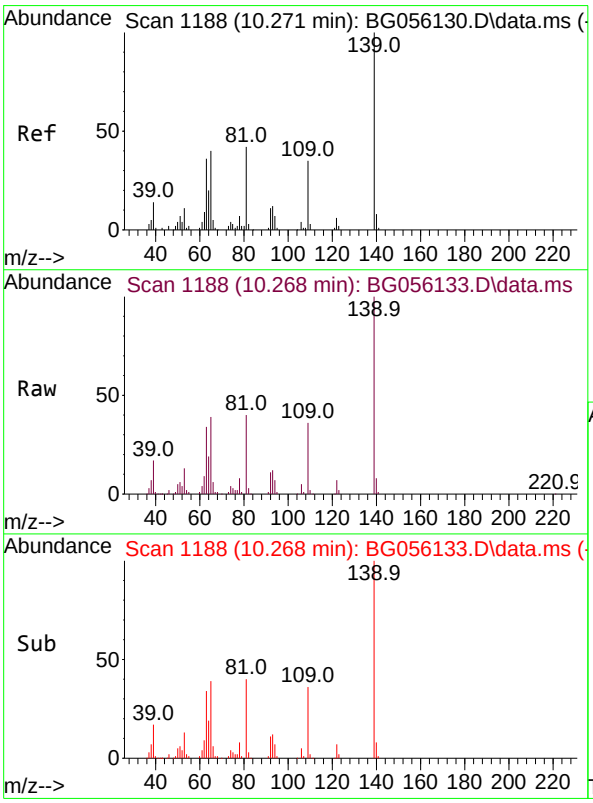
Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.7	10.1
138	18.5	13.7	20.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

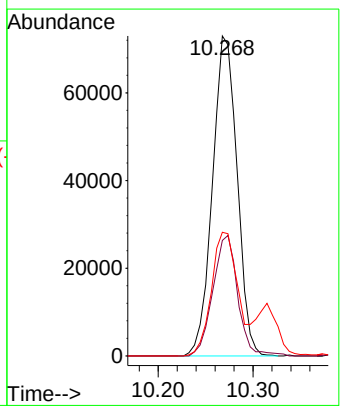
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

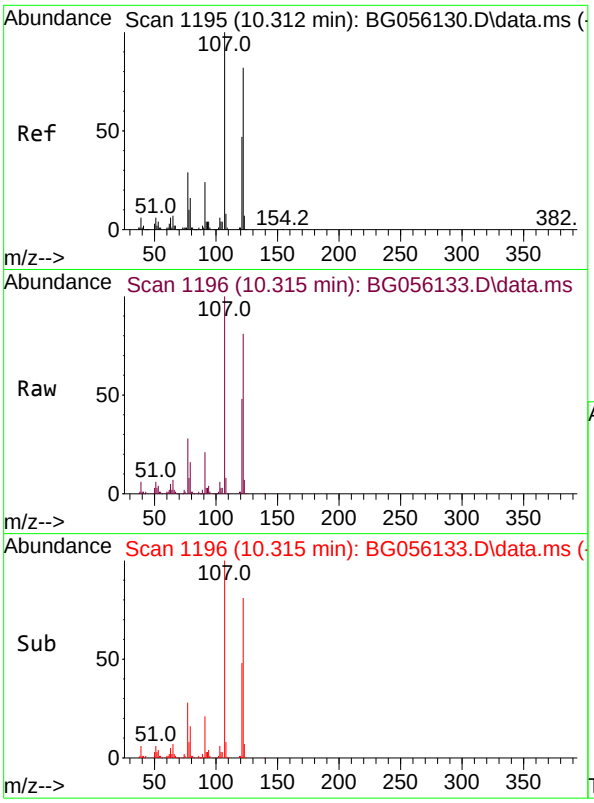


#26
2-Nitrophenol
Concen: 94.798 ng
RT: 10.268 min Scan# 1188
Delta R.T. -0.003 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:139 Resp: 131860

Ion	Ratio	Lower	Upper
139	100		
109	36.1	28.4	42.6
65	38.7	32.1	48.1





#27
2,4-Dimethylphenol
Concen: 98.599 ng
RT: 10.315 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

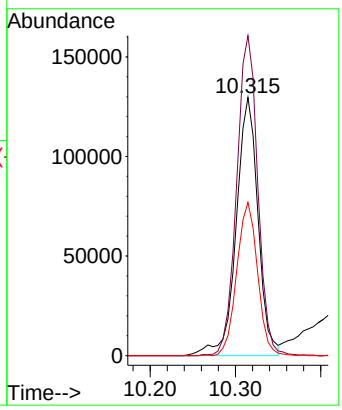
Tgt Ion:122 Resp: 230331

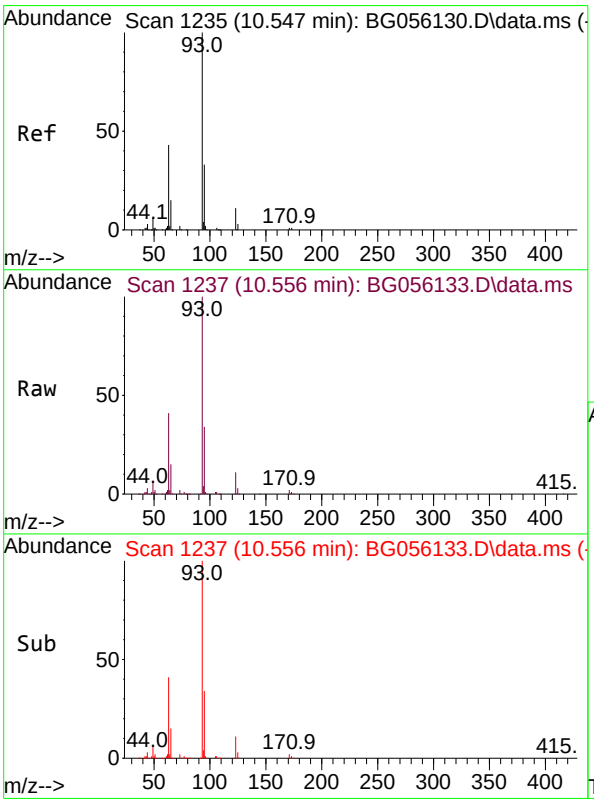
Ion	Ratio	Lower	Upper
122	100		
107	123.9	97.5	146.3
121	59.4	45.9	68.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

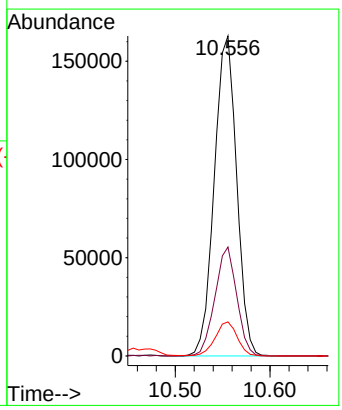


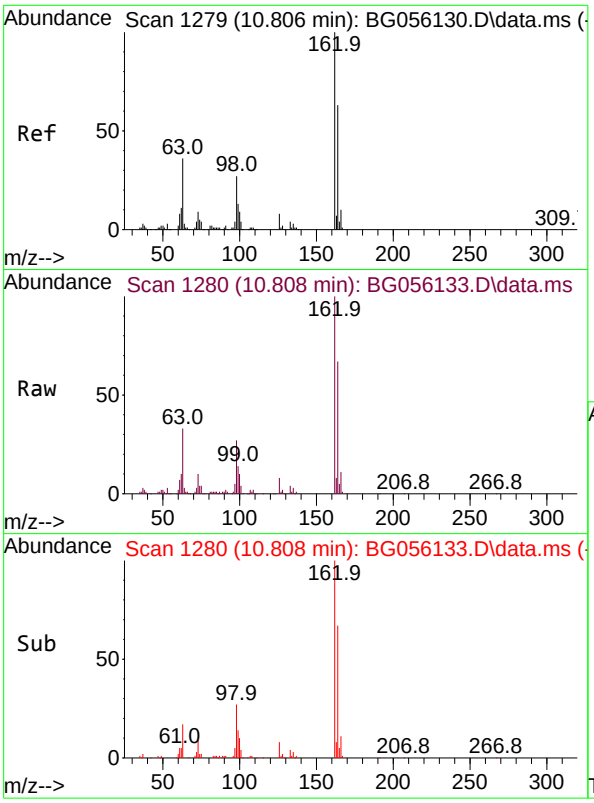


#28
bis(2-Chloroethoxy)methane
Concen: 123.317 ng
RT: 10.556 min Scan# 1237
Delta R.T. 0.008 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 93 Resp: 266782

Ion	Ratio	Lower	Upper
93	100		
95	34.0	26.2	39.2
123	10.6	9.0	13.6

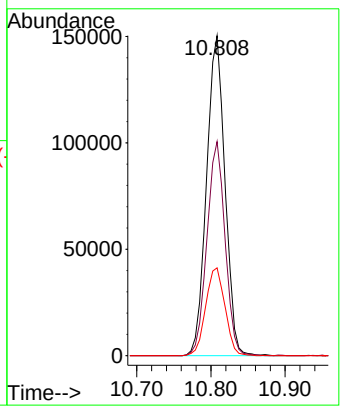




#29
2,4-Dichlorophenol
Concen: 78.267 ng
RT: 10.808 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:162 Resp: 25950

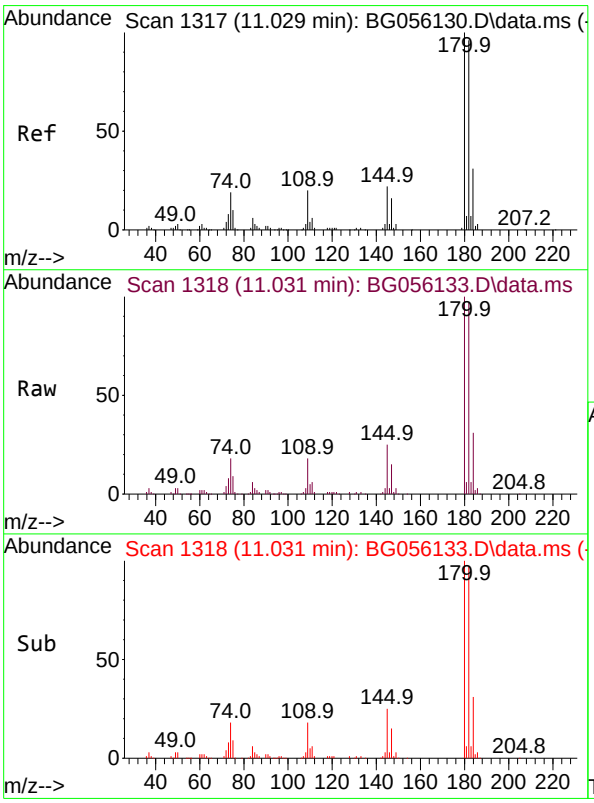
Ion	Ratio	Lower	Upper
162	100		
164	66.9	43.3	83.3
98	27.4	6.8	46.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

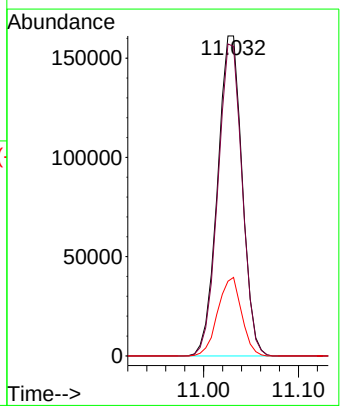
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

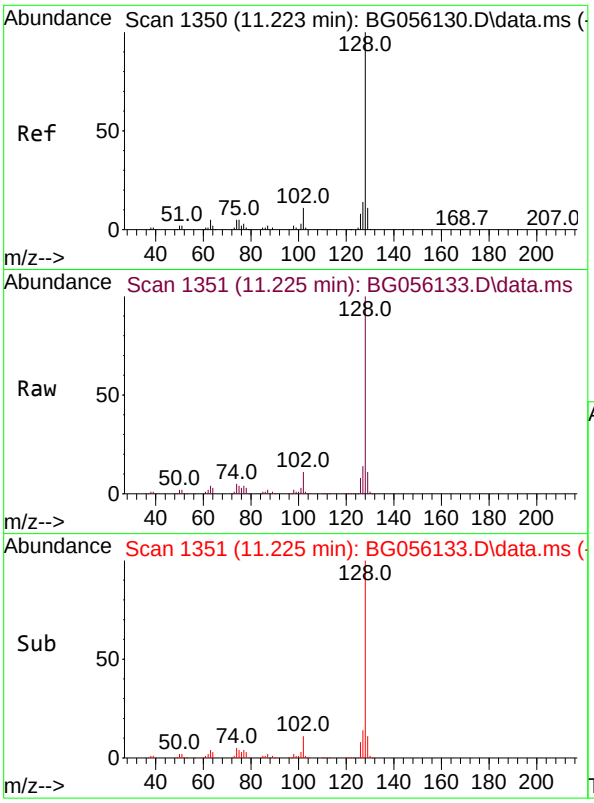


#30
1,2,4-Trichlorobenzene
Concen: 67.410 ng
RT: 11.031 min Scan# 1318
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:180 Resp: 290544

Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.0	115.4
145	24.5	17.4	26.2

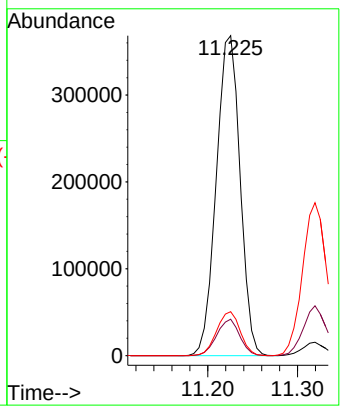




#31
Naphthalene
Concen: 78.842 ng
RT: 11.225 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:128 Resp: 67863

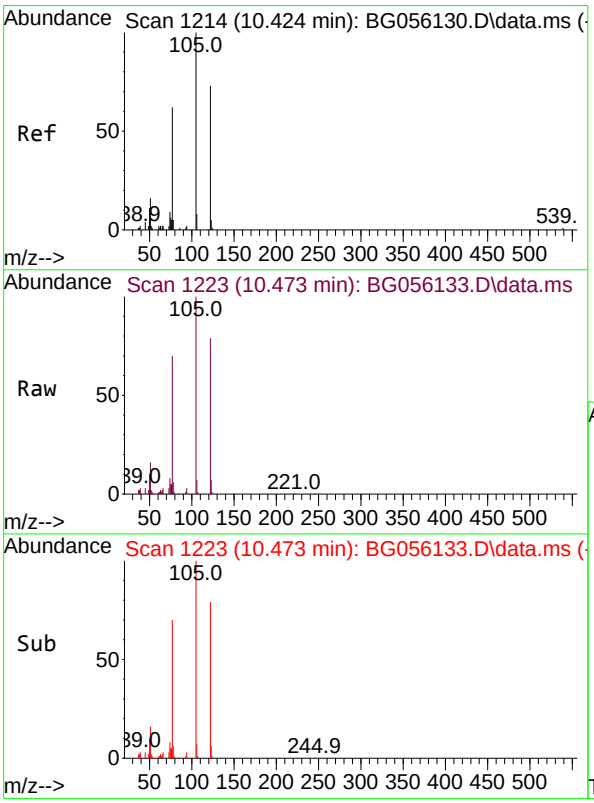
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.9	13.3
127	13.8	11.2	16.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

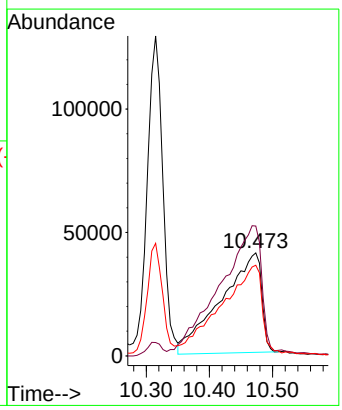
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

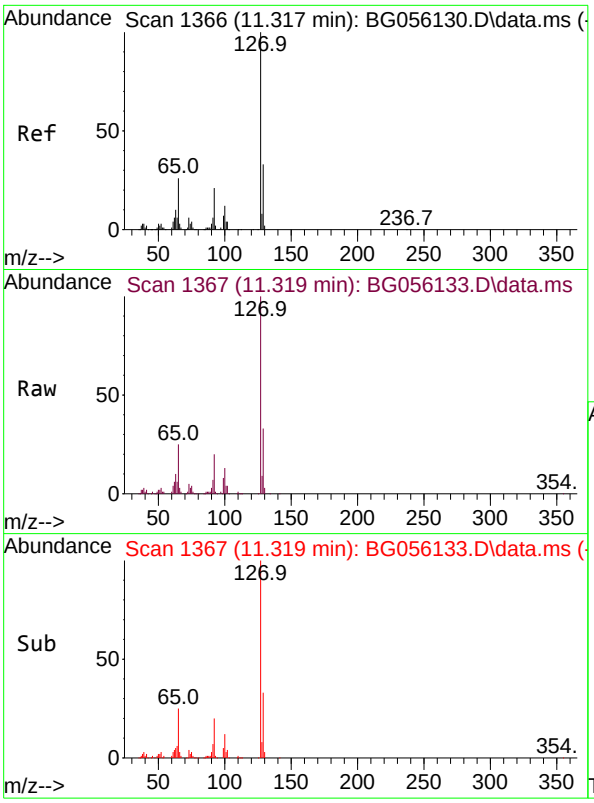


#32
Benzoic acid
Concen: 99.925 ng
RT: 10.473 min Scan# 1223
Delta R.T. 0.049 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:122 Resp: 180072

Ion	Ratio	Lower	Upper
122	100		
105	126.2	109.0	149.0
77	88.1	63.1	103.1

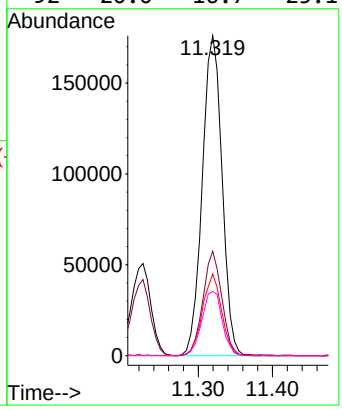




#33
4-Chloroaniline
Concen: 88.341 ng
RT: 11.319 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:127 Resp: 32597

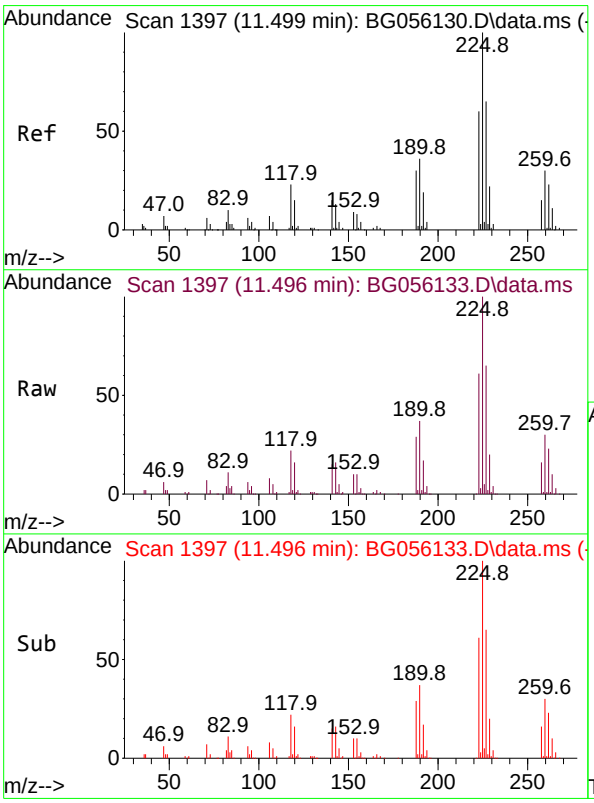
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	25.5	20.9	31.3
92	20.0	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

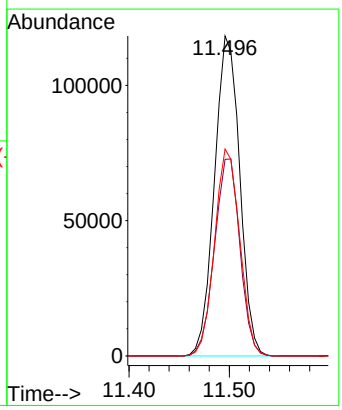
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

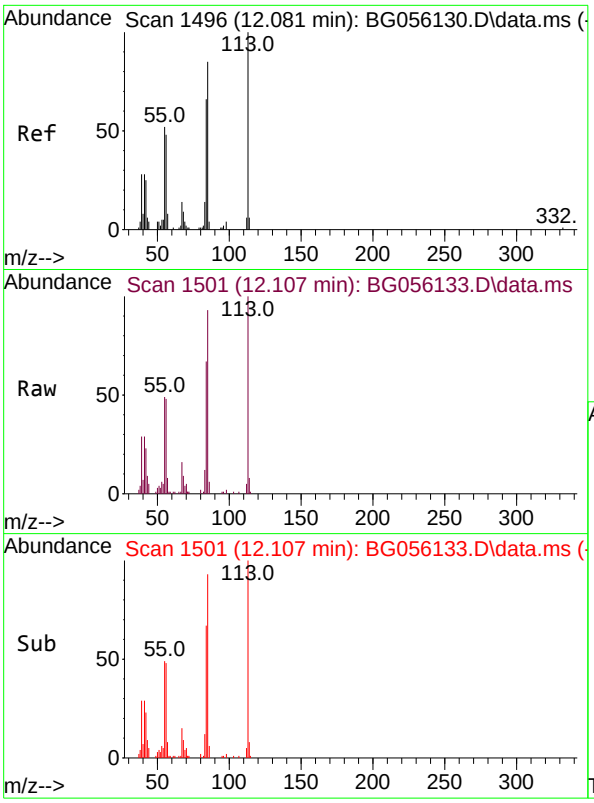


#34
Hexachlorobutadiene
Concen: 51.089 ng
RT: 11.496 min Scan# 1397
Delta R.T. -0.003 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:225 Resp: 207016

Ion	Ratio	Lower	Upper
225	100		
223	61.4	47.7	71.5
227	64.6	52.3	78.5





#35
Caprolactam
Concen: 91.372 ng
RT: 12.107 min Scan# 1
Delta R.T. 0.026 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

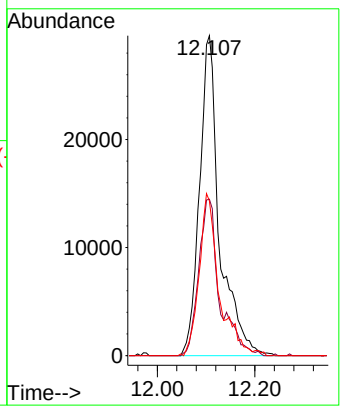
Tgt Ion:113 Resp: 8440

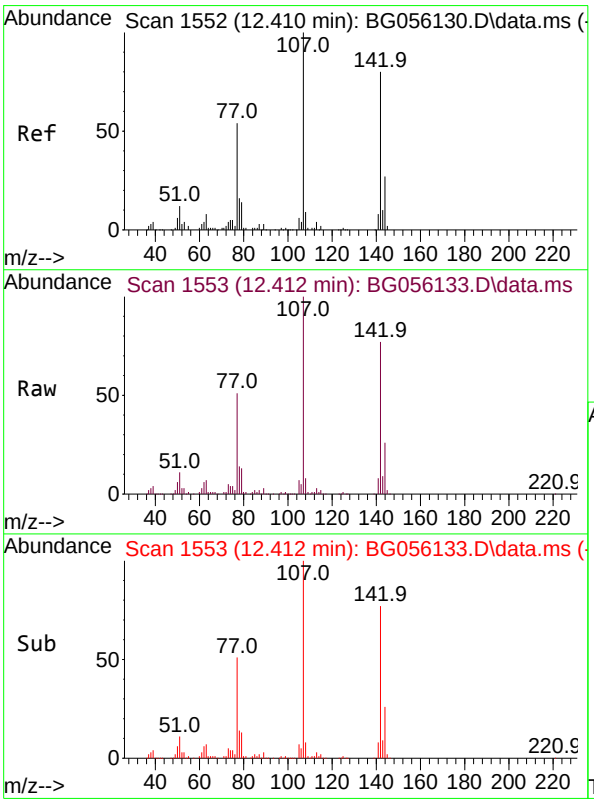
Ion	Ratio	Lower	Upper
113	100		
55	48.9	31.9	71.9
56	48.3	27.6	67.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

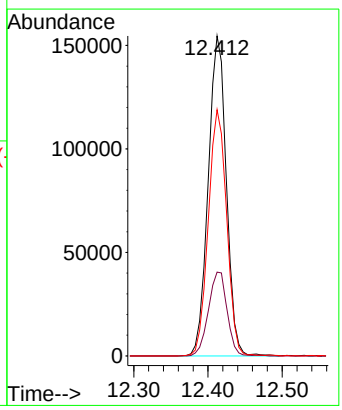


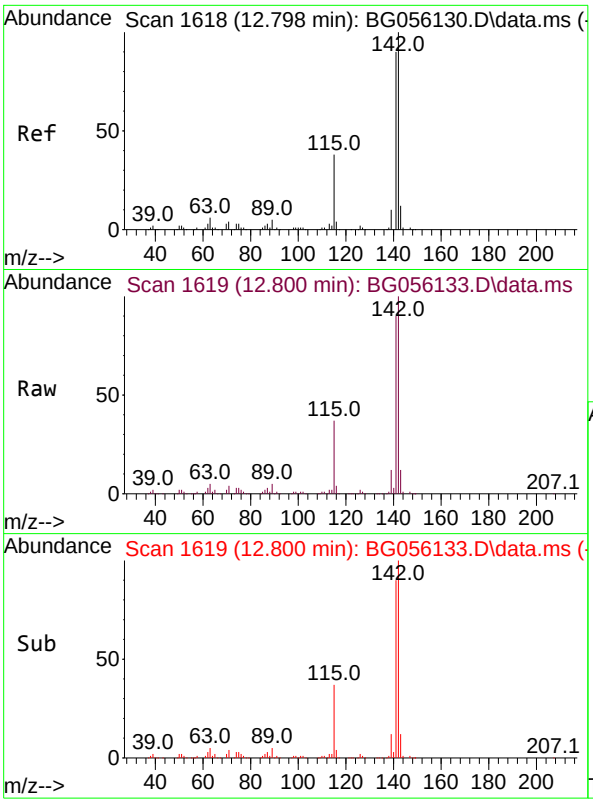


#36
4-Chloro-3-methylphenol
Concen: 84.256 ng
RT: 12.412 min Scan# 1553
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:107 Resp: 261956

Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.5	32.3
142	76.9	63.8	95.6

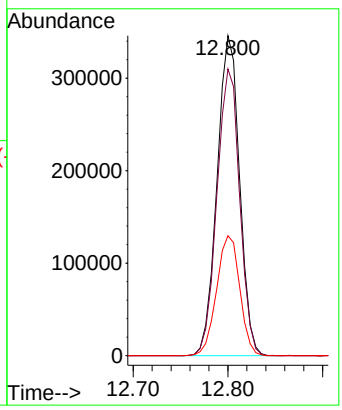




#37
2-Methylnaphthalene
Concen: 74.812 ng
RT: 12.800 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:142 Resp: 56892

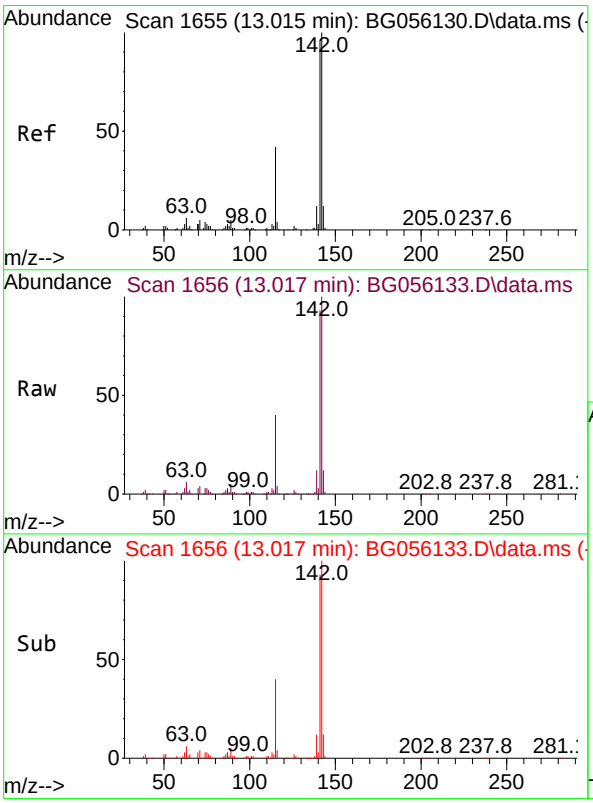
Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.2	108.4
115	37.5	30.7	46.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

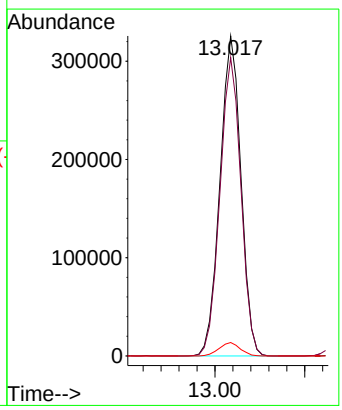
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

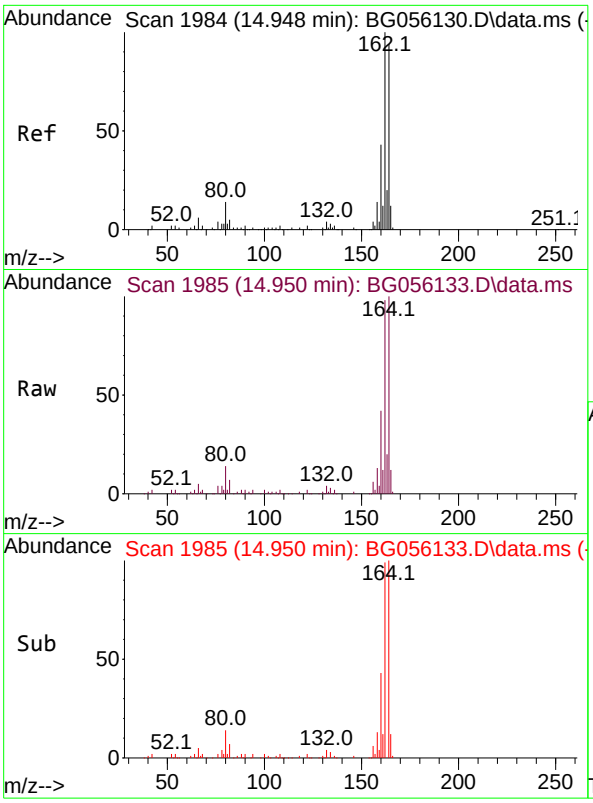


#38
1-Methylnaphthalene
Concen: 71.324 ng
RT: 13.017 min Scan# 1656
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:142 Resp: 528393

Ion	Ratio	Lower	Upper
142	100		
141	93.2	77.0	115.6
116	4.2	3.6	5.4

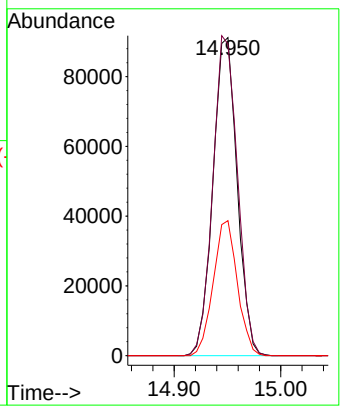




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.950 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:164 Resp: 14418

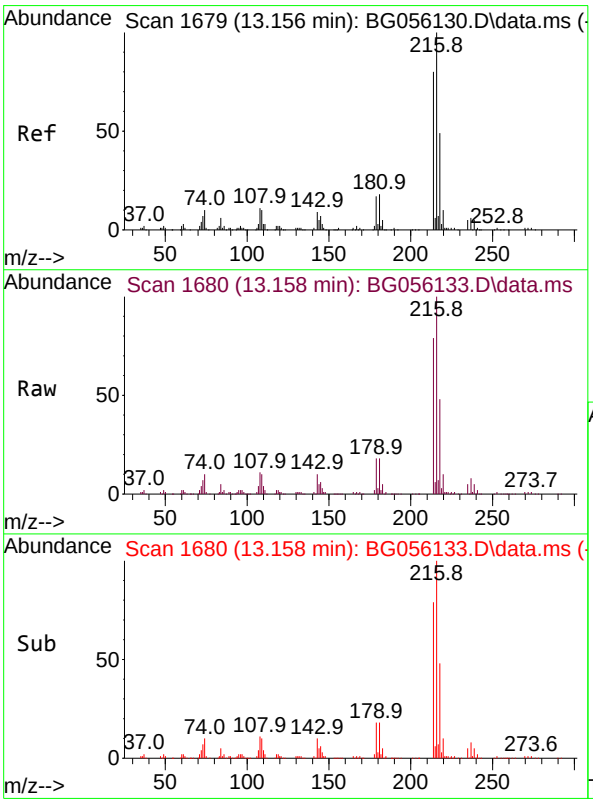
Ion	Ratio	Lower	Upper
164	100		
162	98.0	84.7	127.1
160	42.5	36.3	54.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

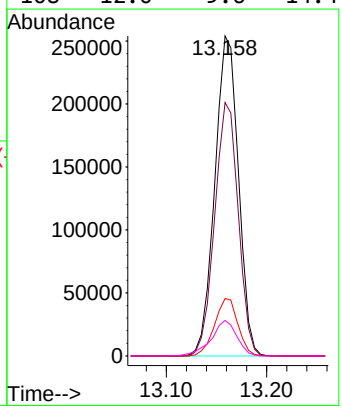
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

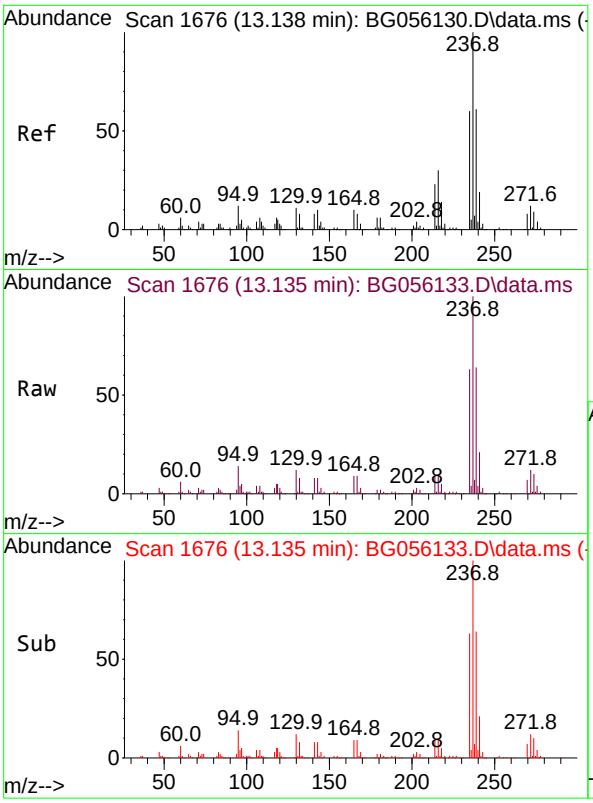


#40
1,2,4,5-Tetrachlorobenzene
Concen: 68.345 ng
RT: 13.158 min Scan# 1680
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:216 Resp: 415762

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.4	95.0
179	17.7	13.6	20.4
108	12.0	9.6	14.4

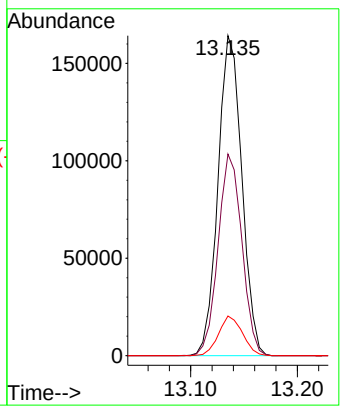




#41
Hexachlorocyclopentadiene
Concen: 74.022 ng
RT: 13.135 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:237 Resp: 25546

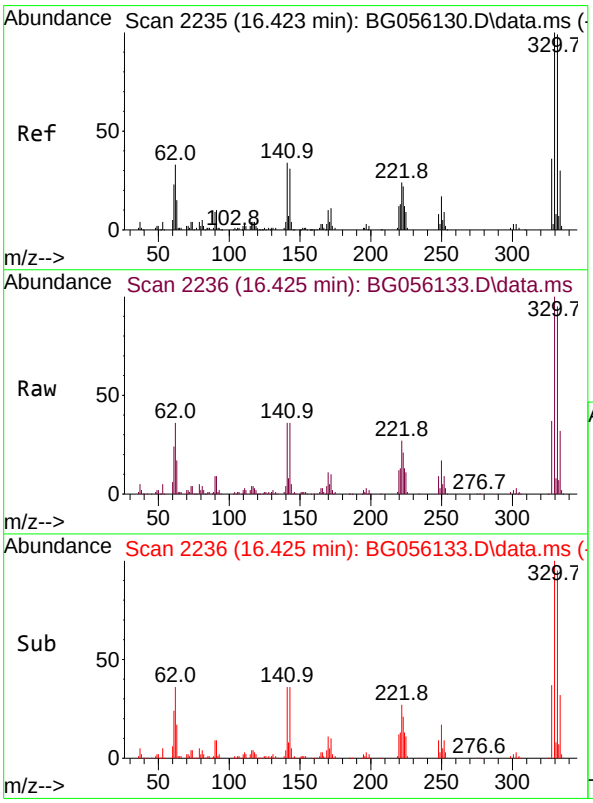
Ion	Ratio	Lower	Upper
237	100		
235	63.0	40.3	80.3
272	12.4	0.0	32.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

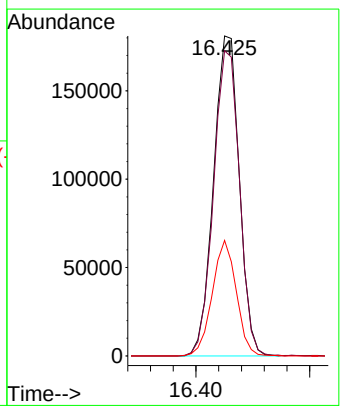
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

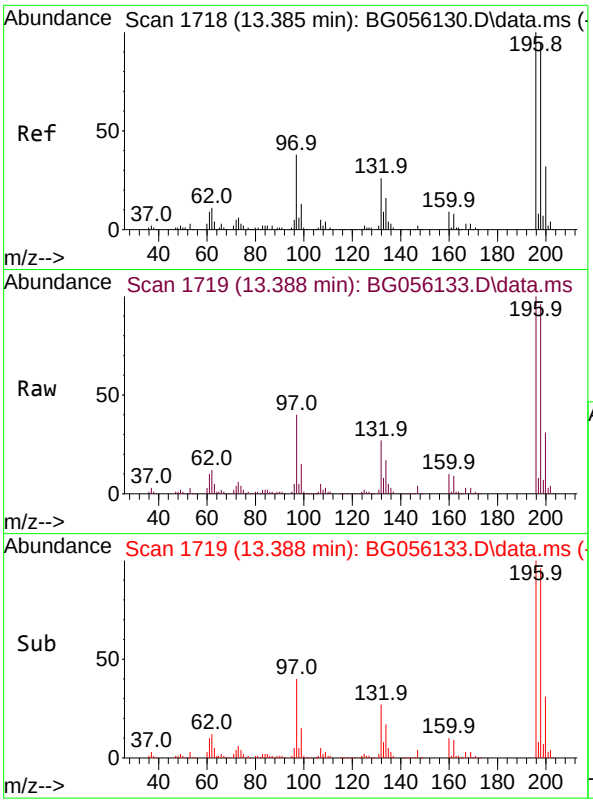


#42
2,4,6-Tribromophenol
Concen: 81.688 ng
RT: 16.425 min Scan# 2236
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:330 Resp: 284005

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.3	115.9
141	33.7	27.9	41.9

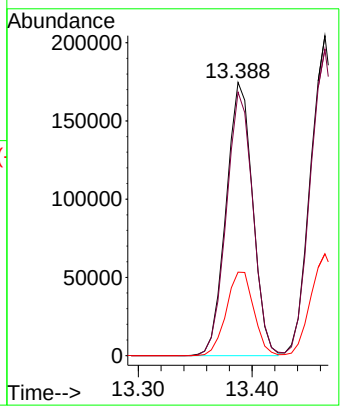




#43
2,4,6-Trichlorophenol
Concen: 78.752 ng
RT: 13.388 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:196 Resp: 28358

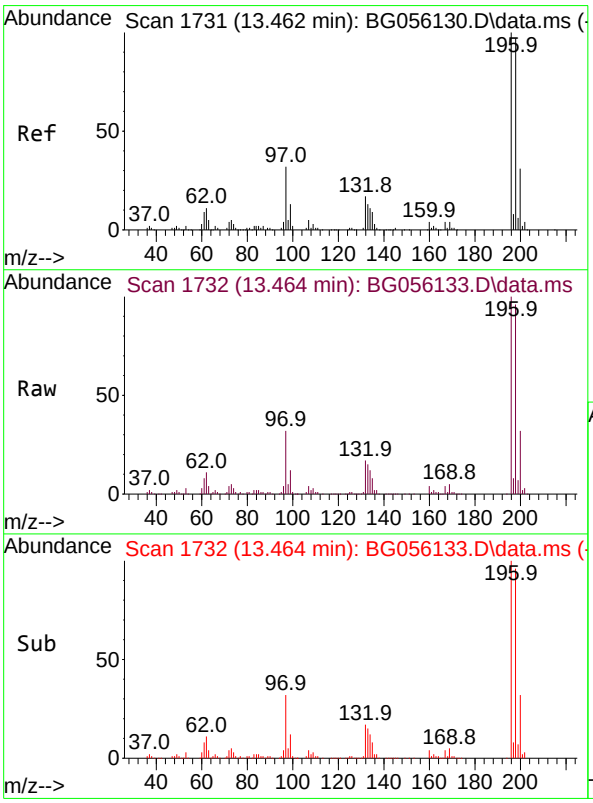
Ion	Ratio	Lower	Upper
196	100		
198	96.4	75.5	113.3
200	30.6	25.7	38.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

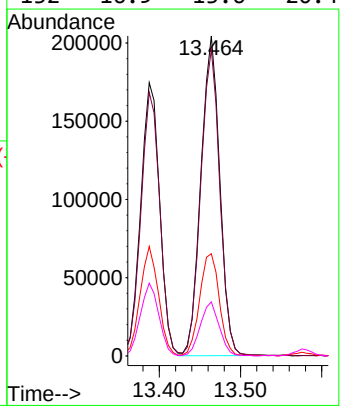
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

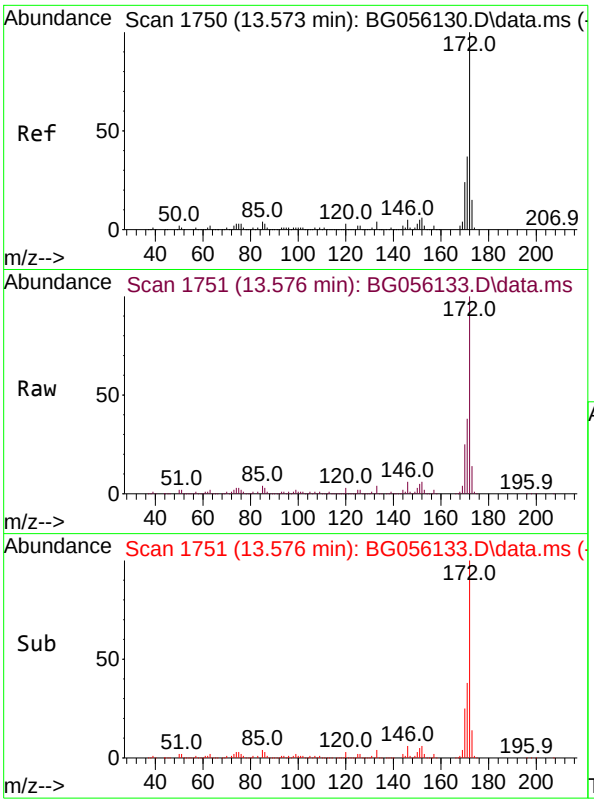


#44
2,4,5-Trichlorophenol
Concen: 81.475 ng
RT: 13.464 min Scan# 1732
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:196 Resp: 330735

Ion	Ratio	Lower	Upper
196	100		
198	95.8	78.0	117.0
97	31.9	25.7	38.5
132	16.9	13.6	20.4

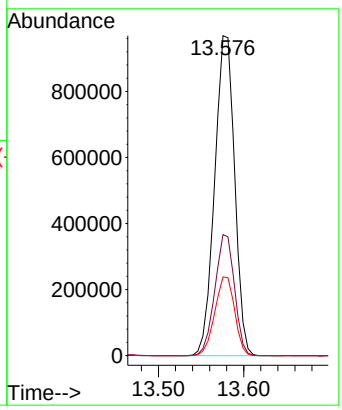




#45
2-Fluorobiphenyl
Concen: 153.118 ng
RT: 13.576 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:172 Resp: 157414

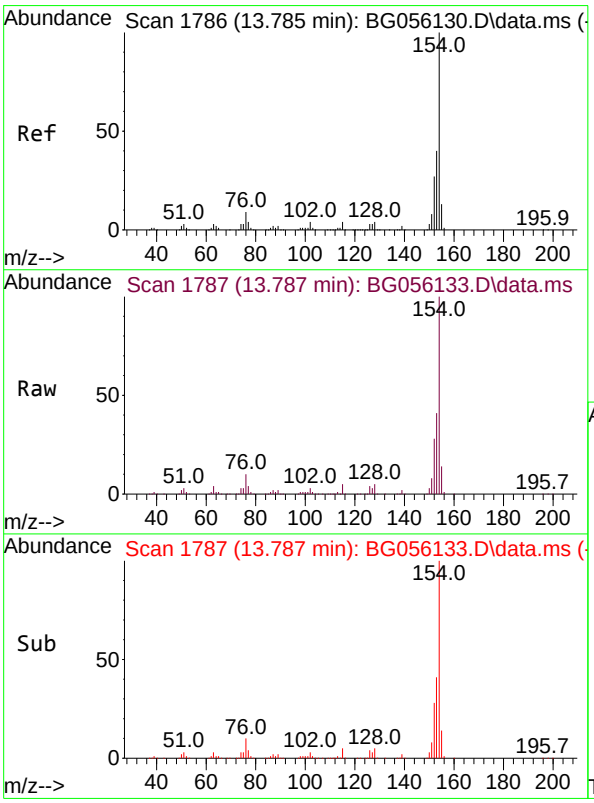
Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.6	44.4
170	24.6	19.4	29.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

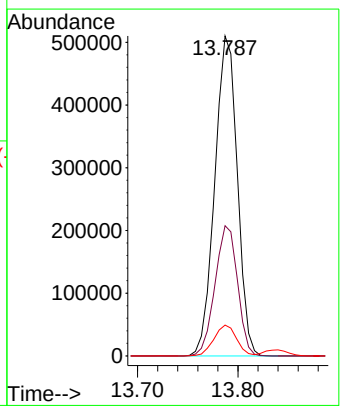
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

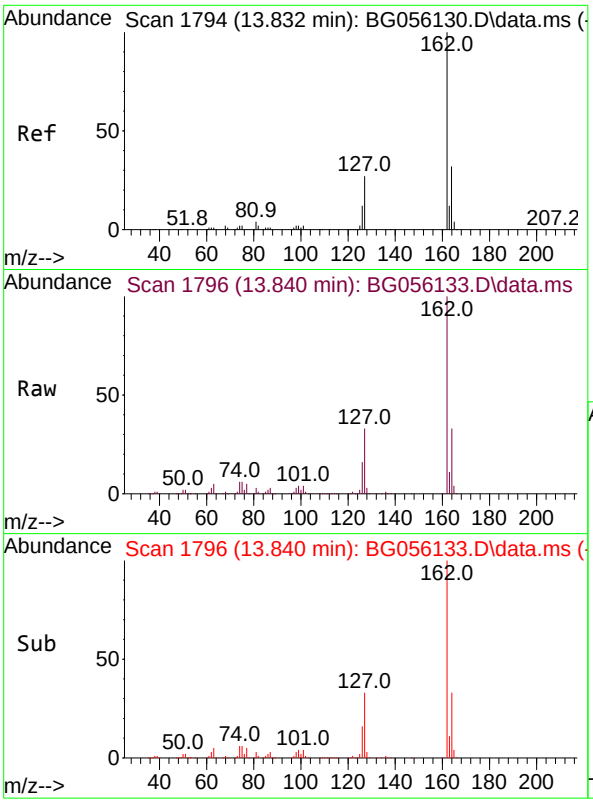


#46
1,1'-Biphenyl
Concen: 81.410 ng
RT: 13.787 min Scan# 1787
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:154 Resp: 795621

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.0	60.0
76	9.6	0.0	29.3

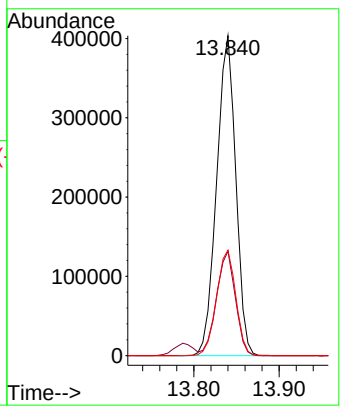




#47
2-Chloronaphthalene
Concen: 79.140 ng
RT: 13.840 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:162 Resp: 62845

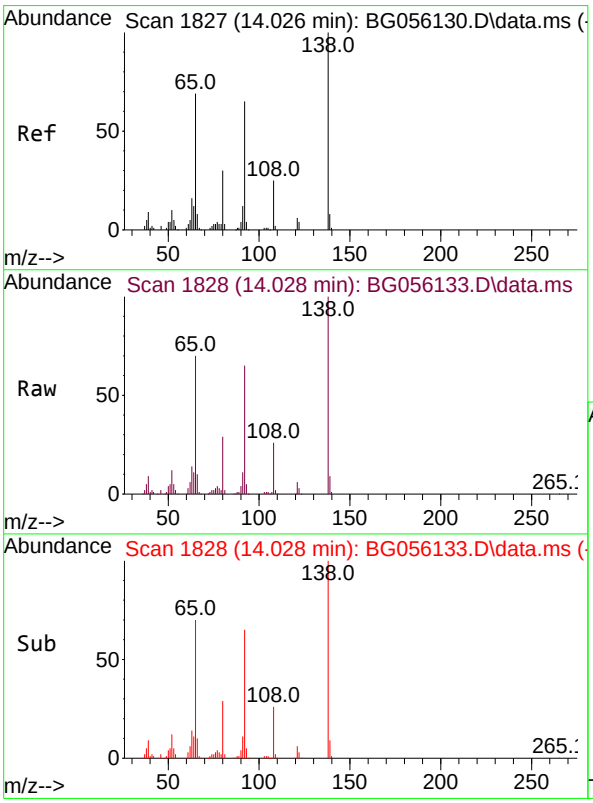
Ion	Ratio	Lower	Upper
162	100		
127	32.6	24.6	36.8
164	32.9	25.8	38.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

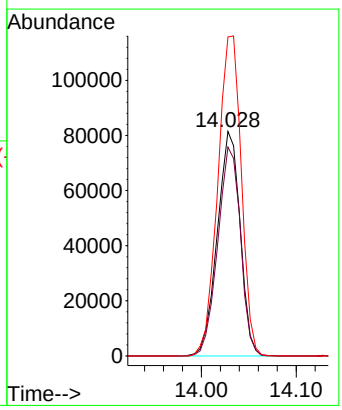
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

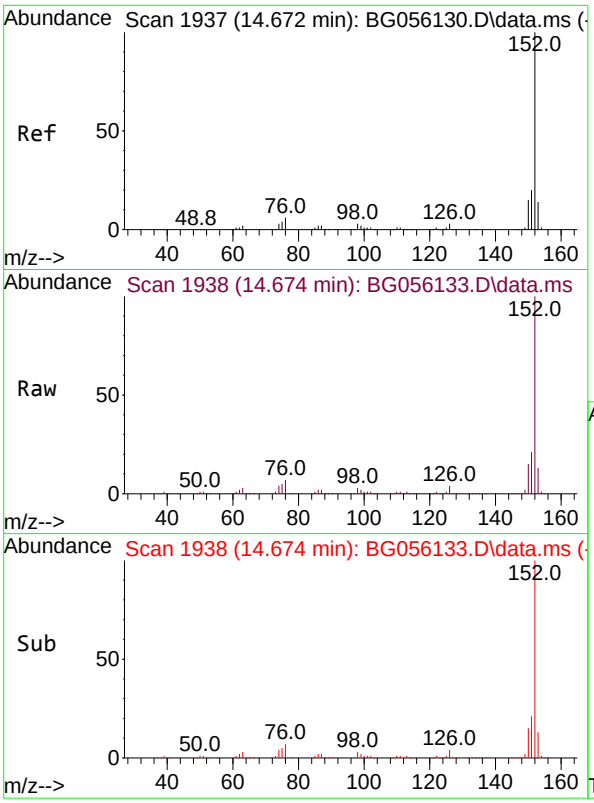


#48
2-Nitroaniline
Concen: 102.565 ng
RT: 14.028 min Scan# 1828
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 65 Resp: 136243

Ion	Ratio	Lower	Upper
65	100		
92	93.1	76.0	114.0
138	142.2	116.6	174.8

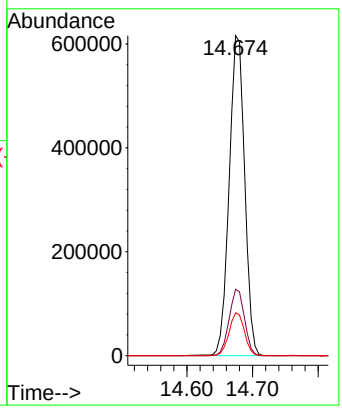




#49
Acenaphthylene
Concen: 79.563 ng
RT: 14.674 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:152 Resp: 100849

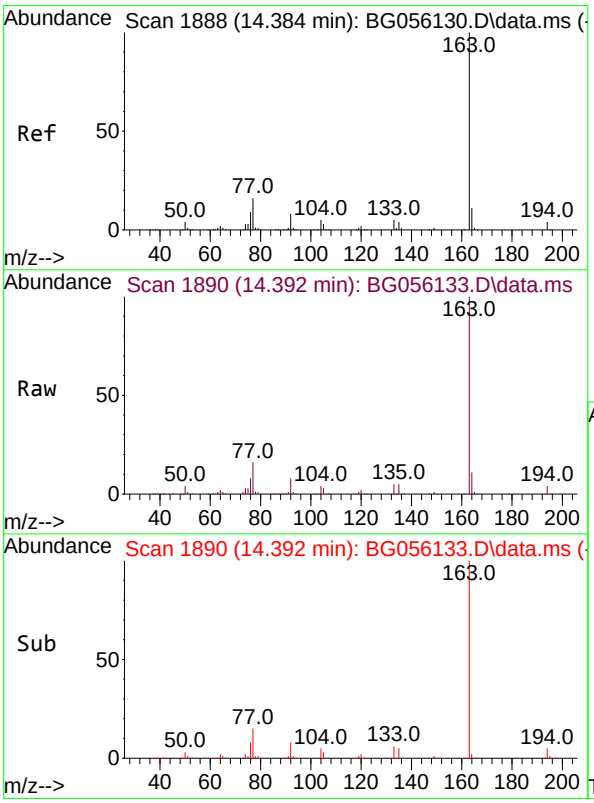
Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.0	24.0
153	13.4	11.0	16.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

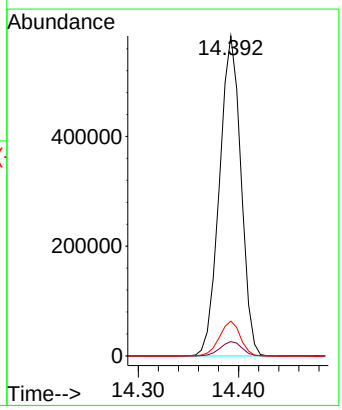
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

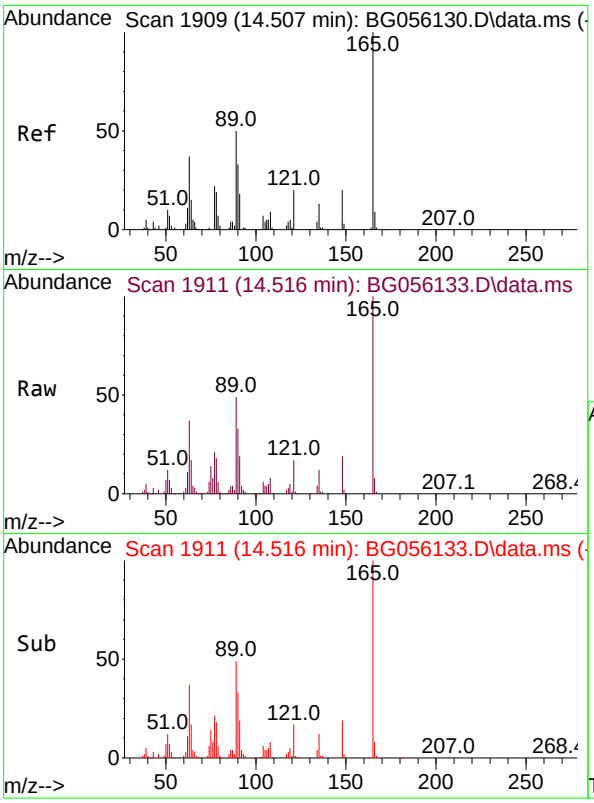


#50
Dimethylphthalate
Concen: 69.662 ng
RT: 14.392 min Scan# 1890
Delta R.T. 0.008 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:163 Resp: 868369

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.9	8.7	13.1

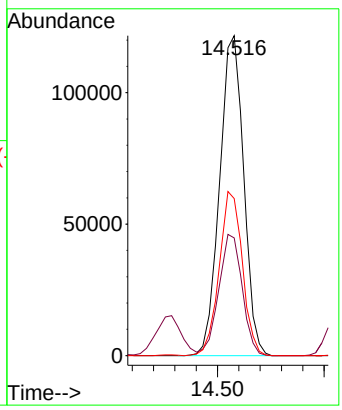




#51
2,6-Dinitrotoluene
Concen: 98.984 ng
RT: 14.516 min Scan# 19
Delta R.T. 0.008 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:165 Resp: 190941

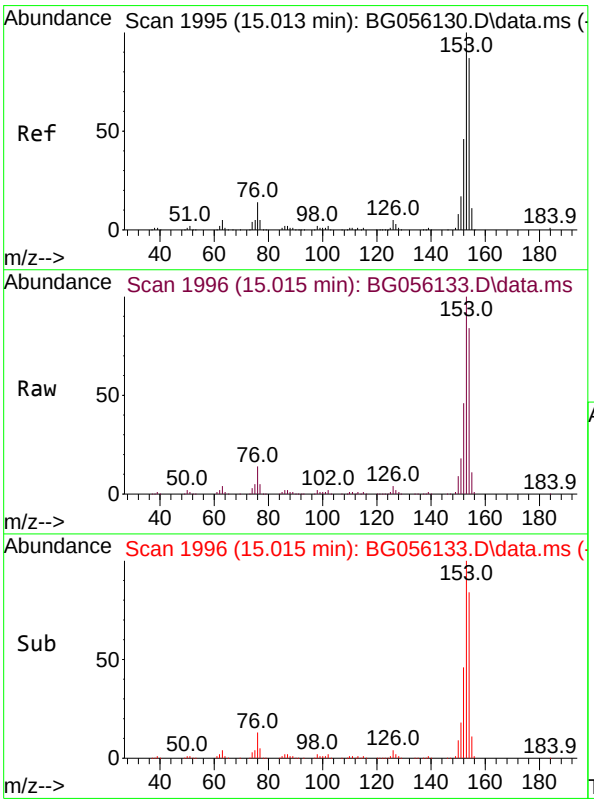
Ion	Ratio	Lower	Upper
165	100		
63	36.8	32.2	48.2
89	49.1	39.8	59.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

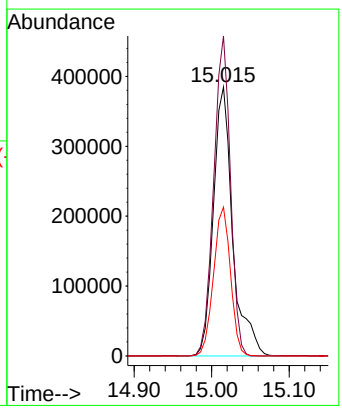
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

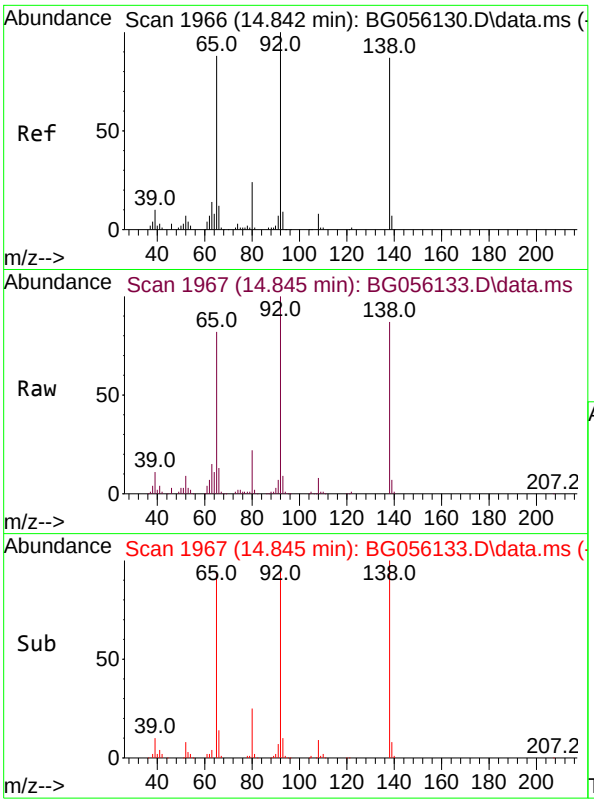


#52
Acenaphthene
Concen: 78.421 ng
RT: 15.015 min Scan# 1996
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:154 Resp: 667321

Ion	Ratio	Lower	Upper
154	100		
153	119.0	92.0	138.0
152	55.3	42.5	63.7

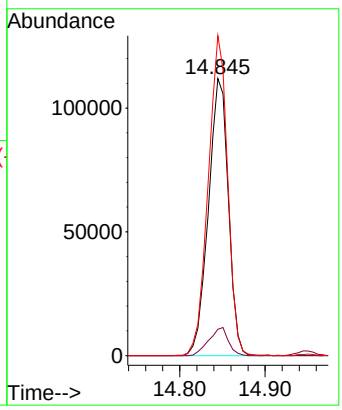




#53
3-Nitroaniline
Concen: 92.563 ng
RT: 14.845 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:138 Resp: 18162

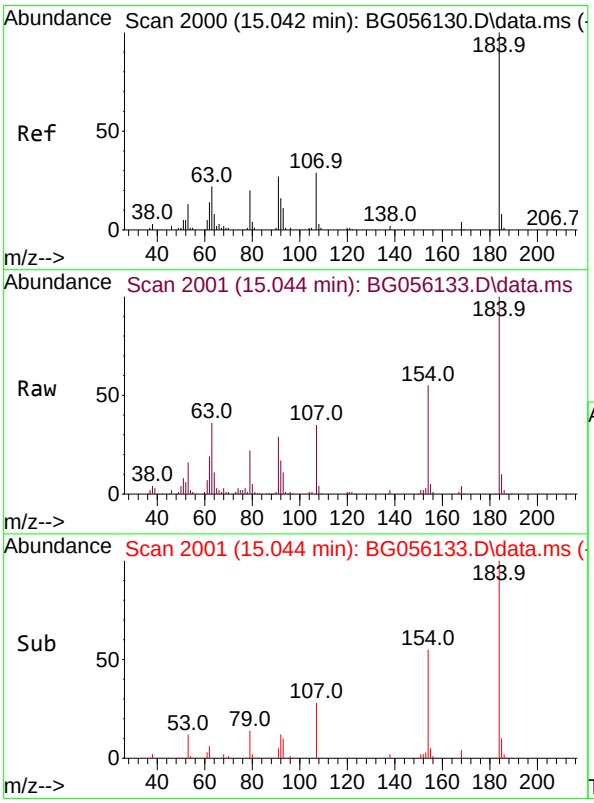
Ion	Ratio	Lower	Upper
138	100		
108	9.5	7.6	11.4
92	115.5	91.7	137.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

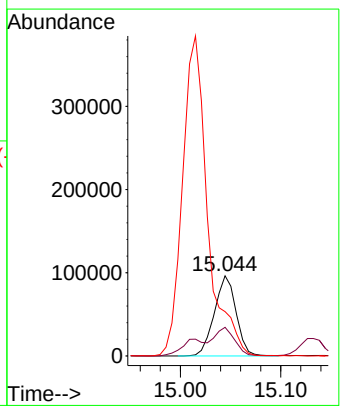
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

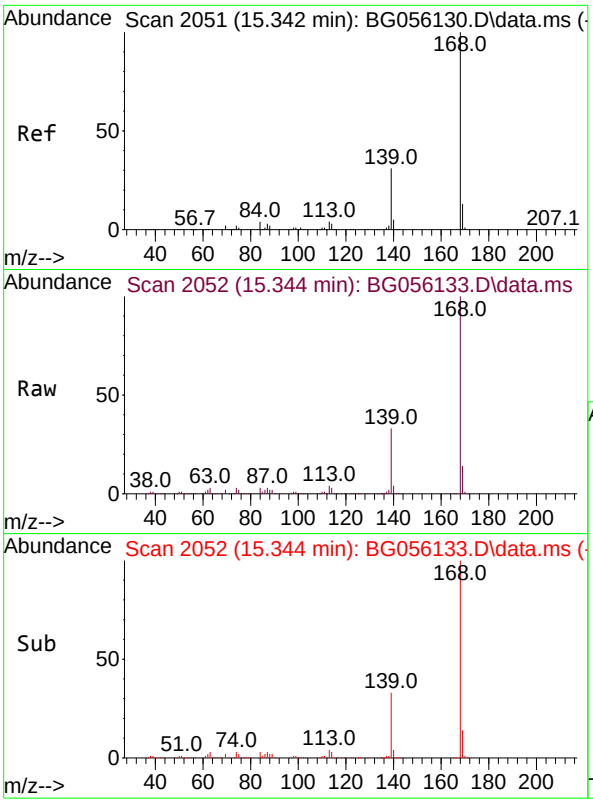


#54
2,4-Dinitrophenol
Concen: 100.837 ng
RT: 15.044 min Scan# 2001
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:184 Resp: 144607

Ion	Ratio	Lower	Upper
184	100		
63	35.7	24.0	36.0
154	55.3	45.4	68.0

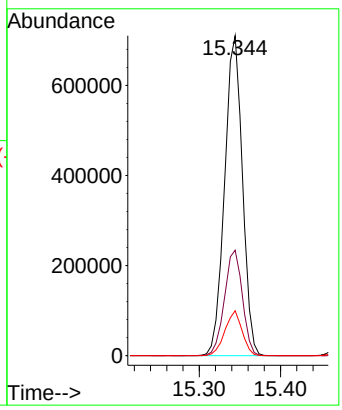




#55
Dibenzofuran
Concen: 75.456 ng
RT: 15.344 min Scan# 20
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:168 Resp: 107975

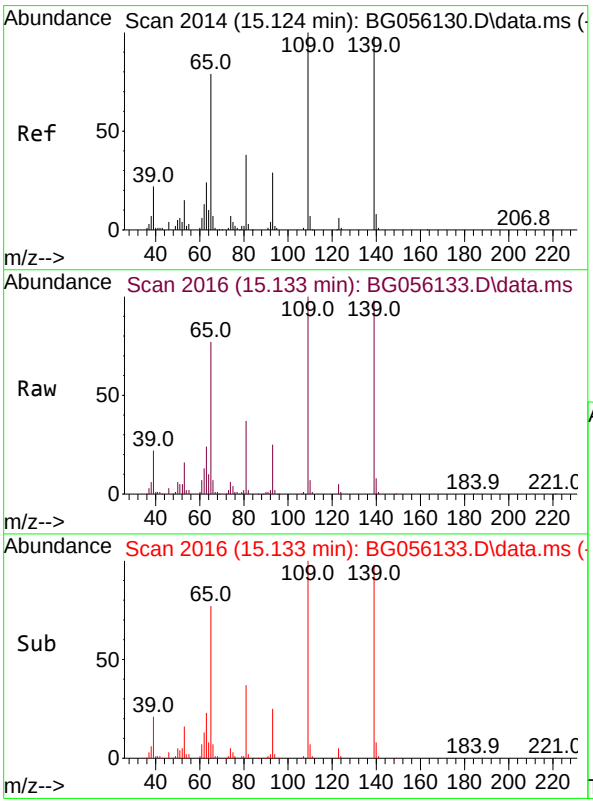
Ion	Ratio	Lower	Upper
168	100		
139	32.9	24.7	37.1
169	14.0	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

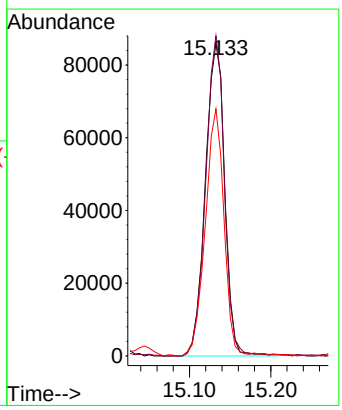
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

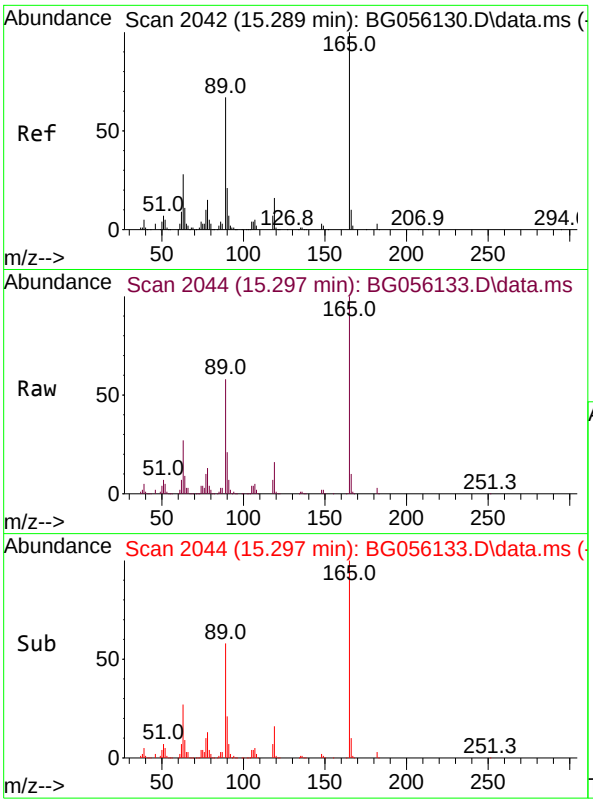


#56
4-Nitrophenol
Concen: 90.402 ng
RT: 15.133 min Scan# 2016
Delta R.T. 0.008 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:139 Resp: 142143

Ion	Ratio	Lower	Upper
139	100		
109	102.4	82.2	122.2
65	79.0	60.6	100.6

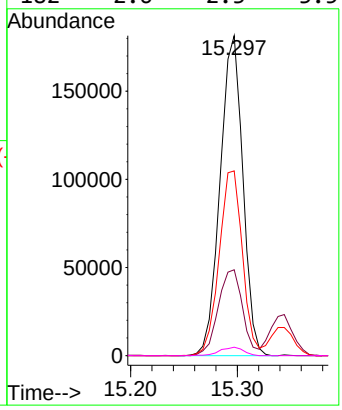




#57
2,4-Dinitrotoluene
Concen: 92.349 ng
RT: 15.297 min Scan# 2
Delta R.T. 0.008 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:165 Resp: 26890

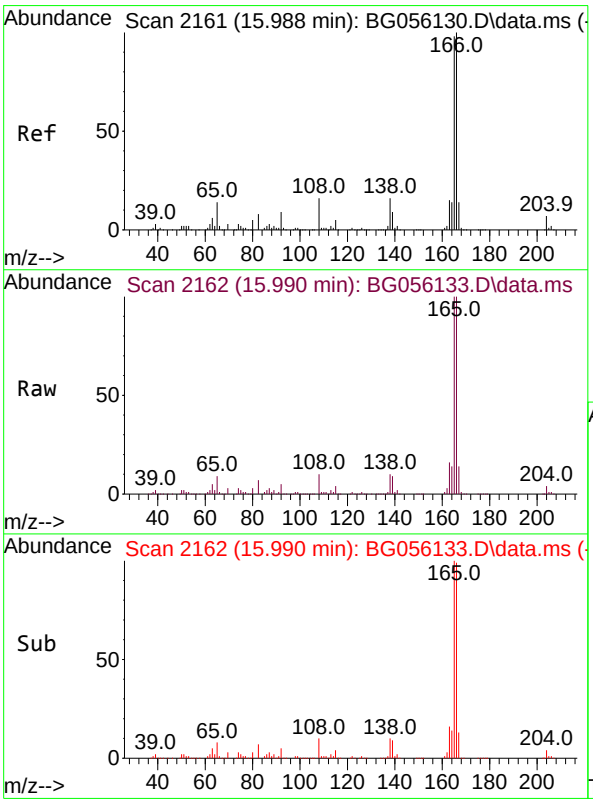
Ion	Ratio	Lower	Upper
165	100		
63	26.8	22.6	34.0
89	57.7	53.2	79.8
182	2.6	2.3	3.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

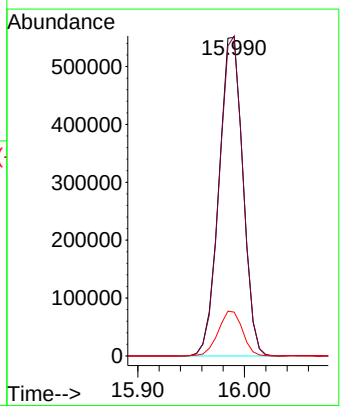
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

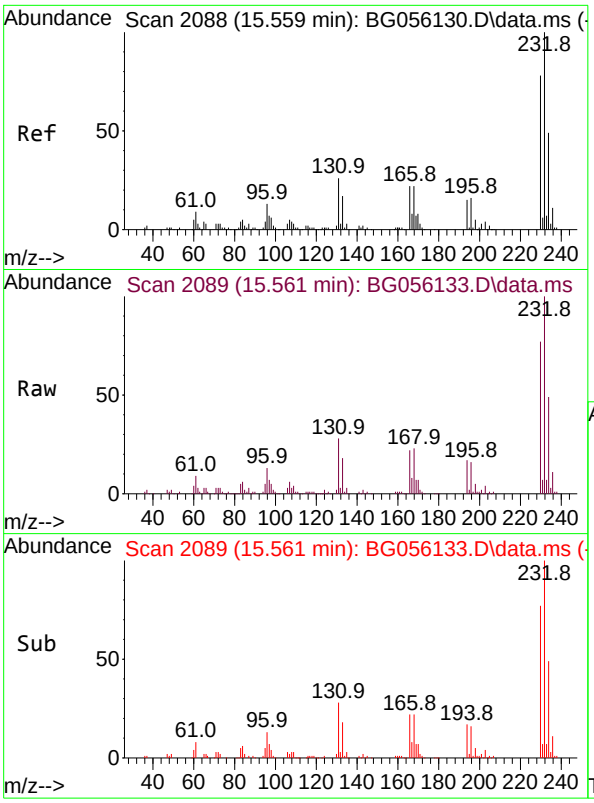


#58
Fluorene
Concen: 73.516 ng
RT: 15.990 min Scan# 2162
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:166 Resp: 859945

Ion	Ratio	Lower	Upper
166	100		
165	100.5	78.6	118.0
167	13.7	11.1	16.7

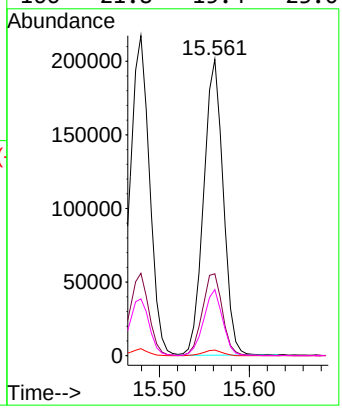




#59
2,3,4,6-Tetrachlorophenol
Concen: 65.699 ng
RT: 15.561 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:232 Resp: 30467

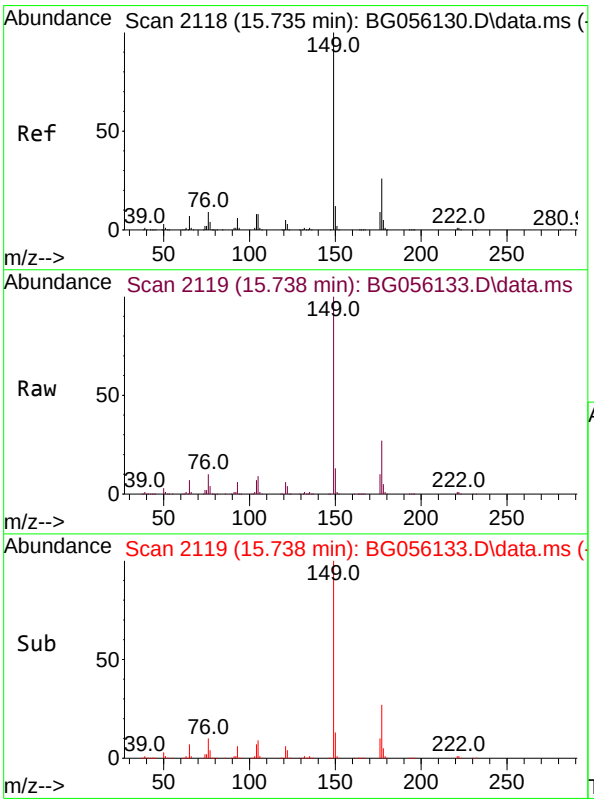
Ion	Ratio	Lower	Upper
232	100		
131	28.2	21.4	32.2
130	1.8	1.4	2.0
166	21.8	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

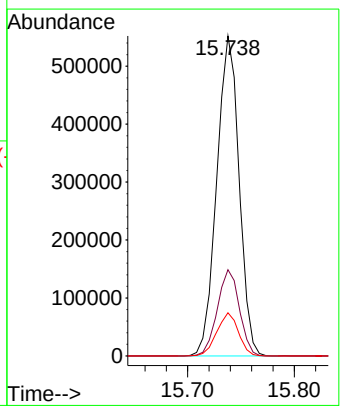
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

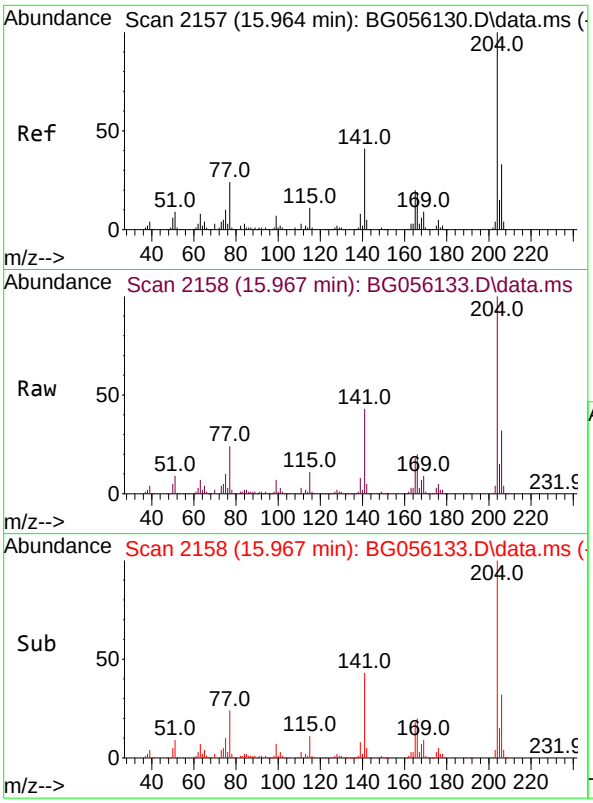


#60
Diethylphthalate
Concen: 65.937 ng
RT: 15.738 min Scan# 2119
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:149 Resp: 803371

Ion	Ratio	Lower	Upper
149	100		
177	26.9	20.6	31.0
150	13.5	9.9	14.9

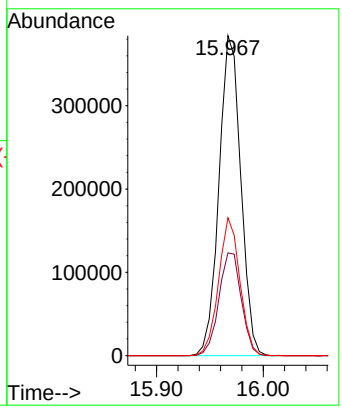




#61
4-Chlorophenyl-phenylether
Concen: 68.576 ng
RT: 15.967 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:204 Resp: 54645

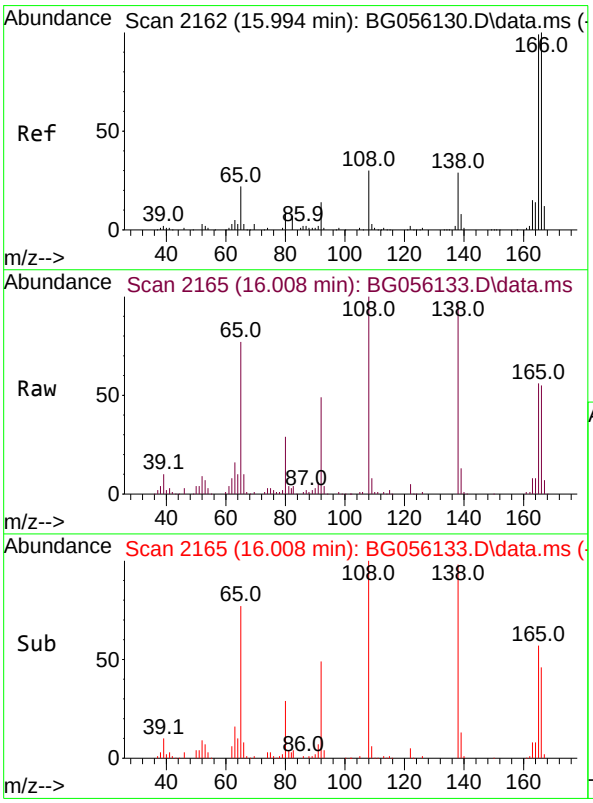
Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.4	39.6
141	43.1	33.0	49.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

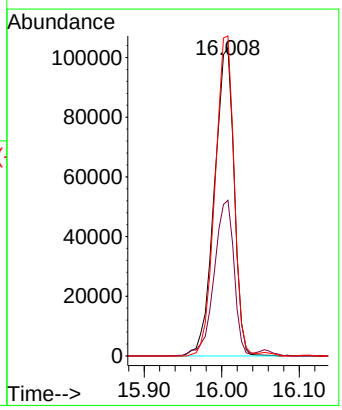
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

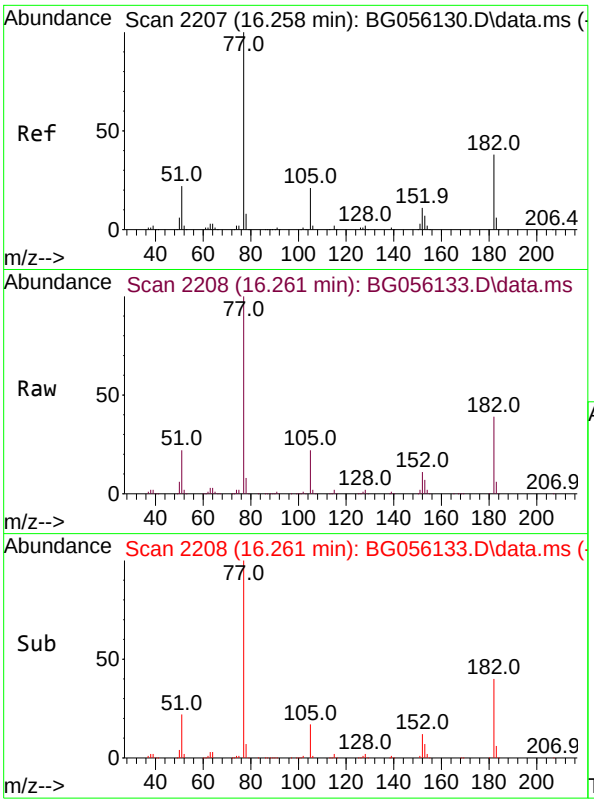


#62
4-Nitroaniline
Concen: 85.714 ng
RT: 16.008 min Scan# 2165
Delta R.T. 0.014 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:138 Resp: 183153

Ion	Ratio	Lower	Upper
138	100		
92	50.5	28.6	68.6
108	103.9	83.4	123.4

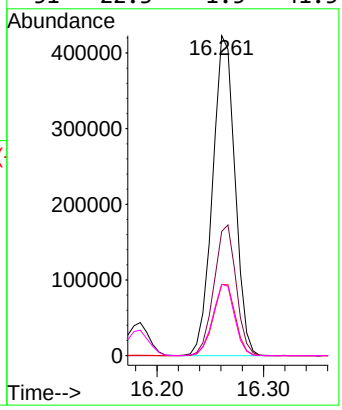




#63
Azobenzene
Concen: 83.342 ng
RT: 16.261 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion: 77 Resp: 61804

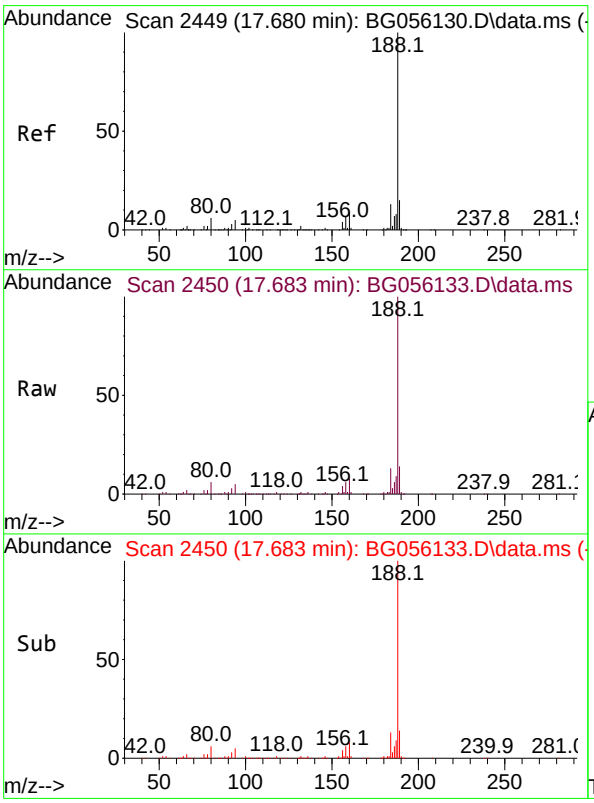
Ion	Ratio	Lower	Upper
77	100		
182	38.8	18.5	58.5
105	22.2	1.4	41.4
51	22.3	1.5	41.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

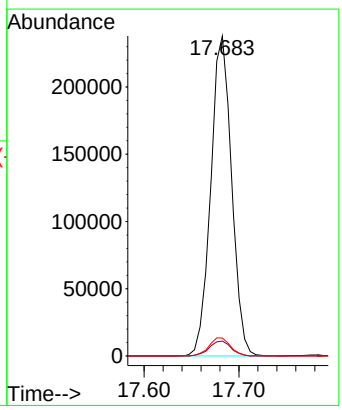
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

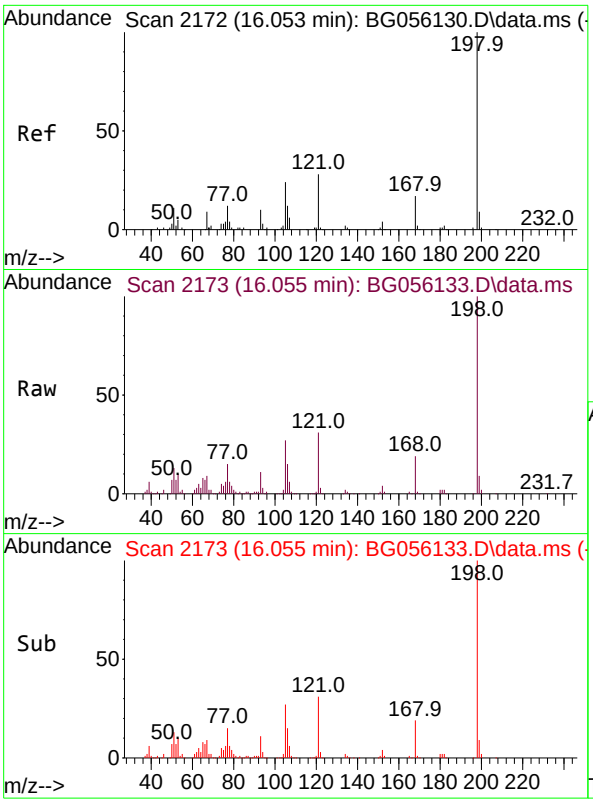


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.683 min Scan# 2450
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:188 Resp: 363363

Ion	Ratio	Lower	Upper
188	100		
94	4.6	4.2	6.2
80	5.6	5.0	7.4

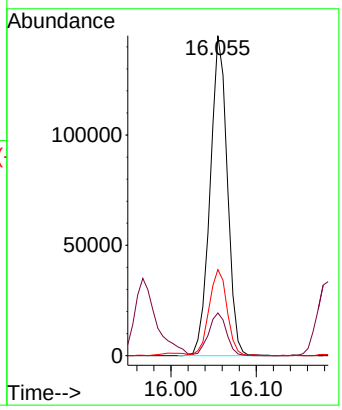




#65
4,6-Dinitro-2-methylphenol
Concen: 116.684 ng
RT: 16.055 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:198 Resp: 20254

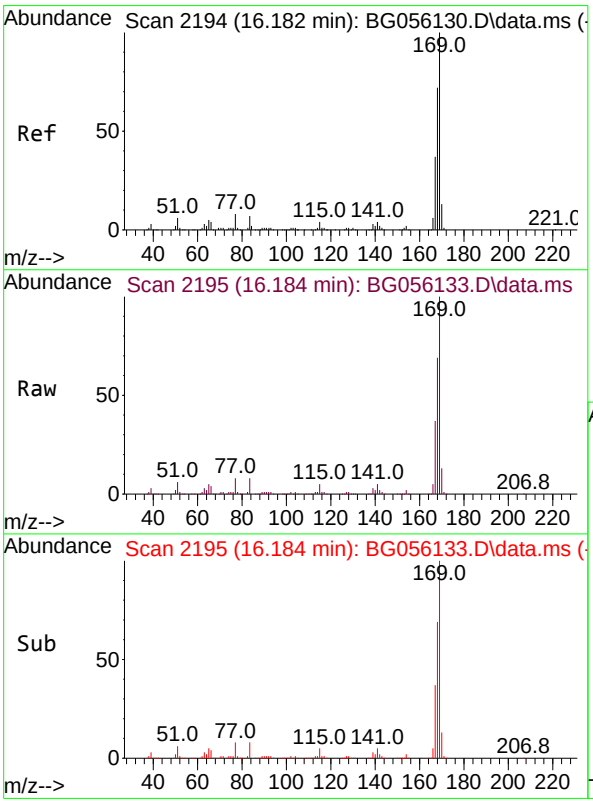
Ion	Ratio	Lower	Upper
198	100		
51	13.3	0.0	33.2
105	26.9	4.9	44.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

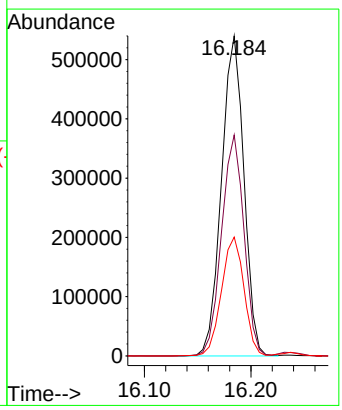
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

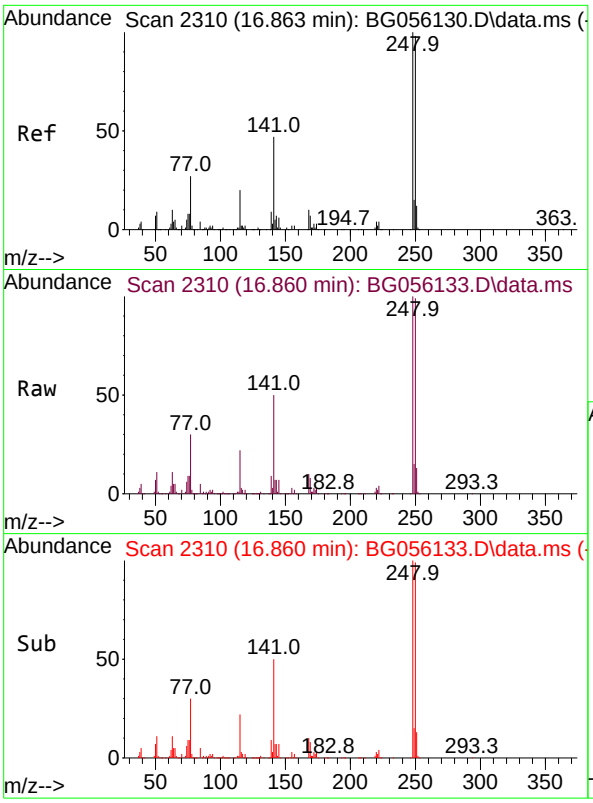


#66
n-Nitrosodiphenylamine
Concen: 82.927 ng
RT: 16.184 min Scan# 2195
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:169 Resp: 789641

Ion	Ratio	Lower	Upper
169	100		
168	69.0	58.0	87.0
167	37.1	30.0	45.0





#67
4-Bromophenyl-phenylether
Concen: 68.708 ng
RT: 16.860 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

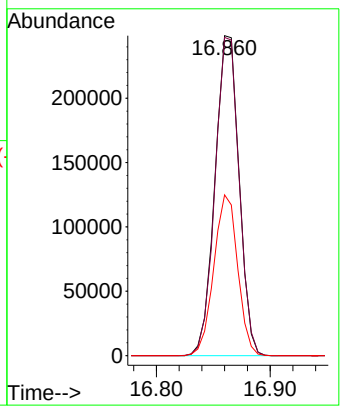
Tgt Ion:248 Resp: 36582

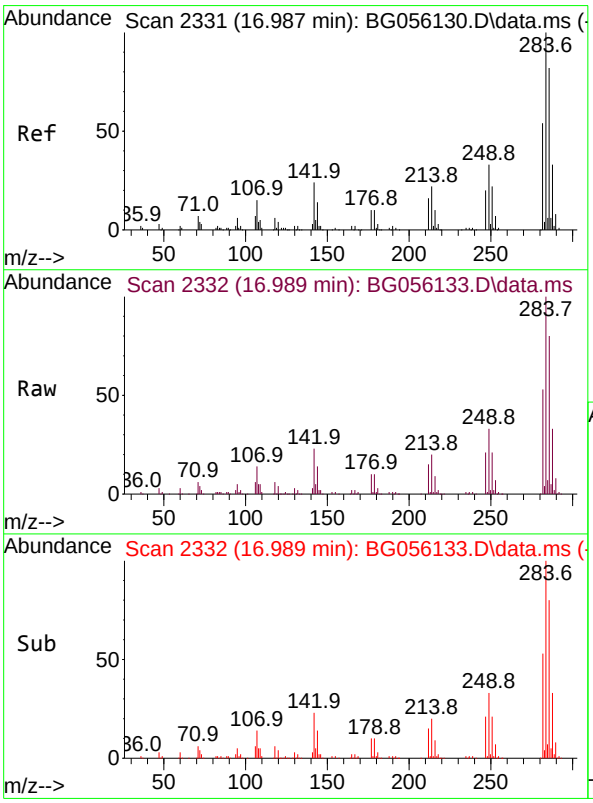
Ion	Ratio	Lower	Upper
248	100		
250	99.4	78.2	117.4
141	50.2	37.6	56.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

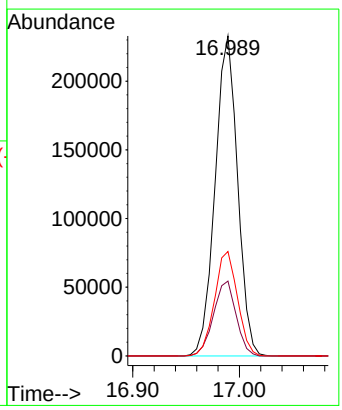


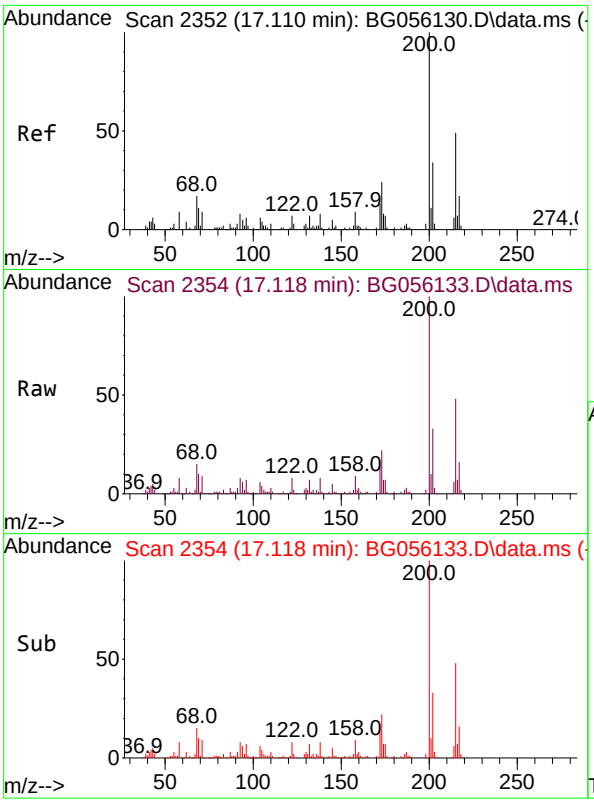


#68
Hexachlorobenzene
Concen: 52.042 ng
RT: 16.989 min Scan# 2332
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:284 Resp: 341307

Ion	Ratio	Lower	Upper
284	100		
142	23.4	19.0	28.6
249	34.8	26.6	39.8





#69
Atrazine
Concen: 74.379 ng
RT: 17.118 min Scan# 2
Delta R.T. 0.008 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

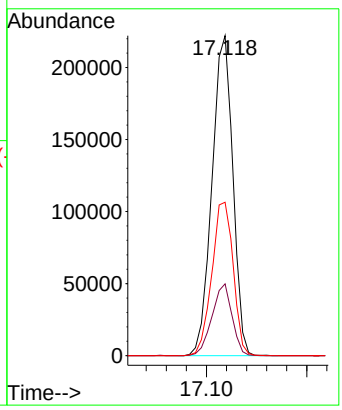
Tgt Ion:200 Resp: 32068

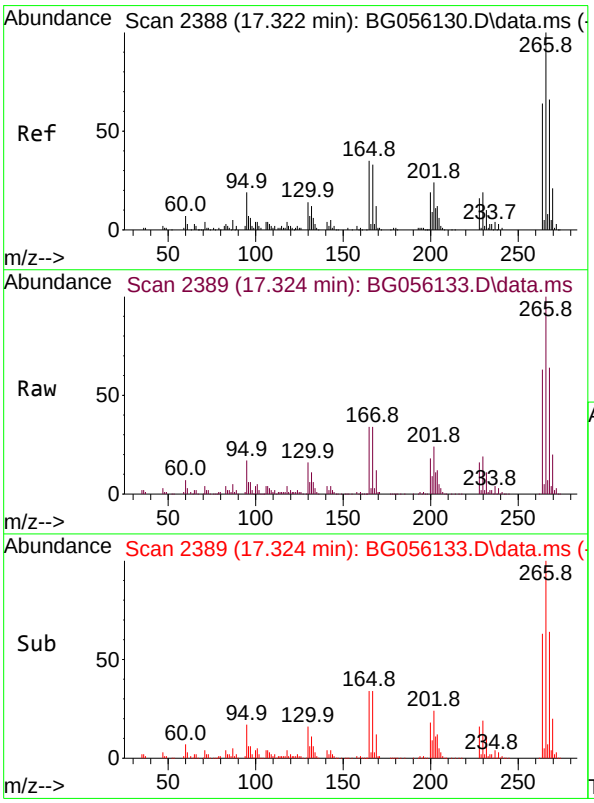
Ion	Ratio	Lower	Upper
200	100		
173	22.4	4.0	44.0
215	47.9	29.1	69.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

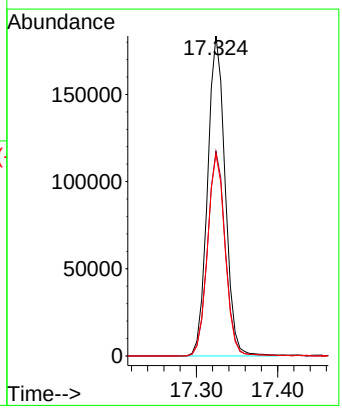


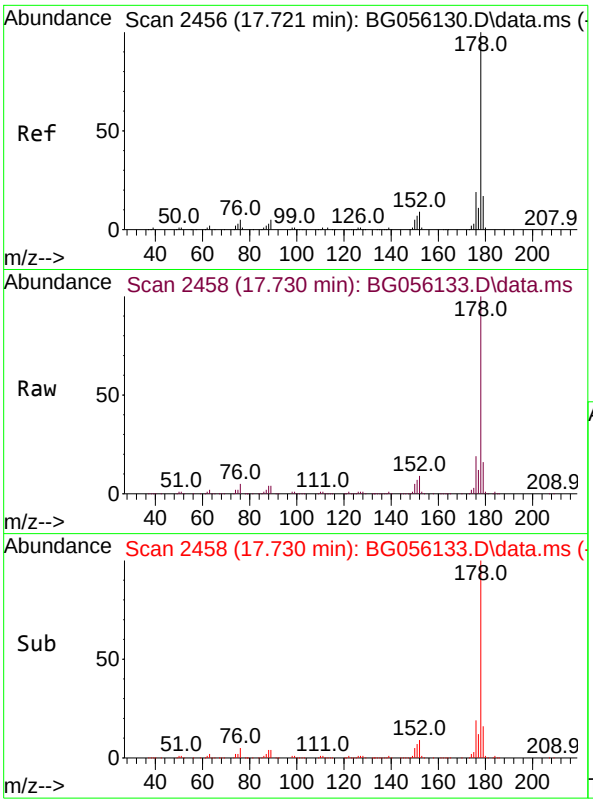


#70
Pentachlorophenol
Concen: 73.508 ng
RT: 17.324 min Scan# 2389
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:266 Resp: 275605

Ion	Ratio	Lower	Upper
266	100		
268	63.9	53.0	79.4
264	62.9	51.4	77.2

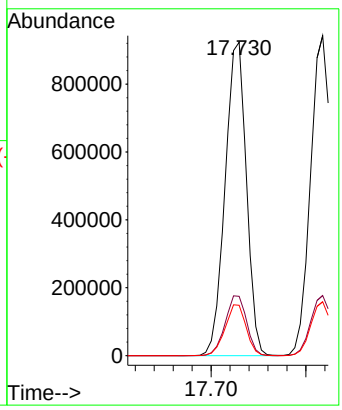




#71
Phenanthrene
Concen: 75.669 ng
RT: 17.730 min Scan# 24
Delta R.T. 0.008 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:178 Resp: 144090

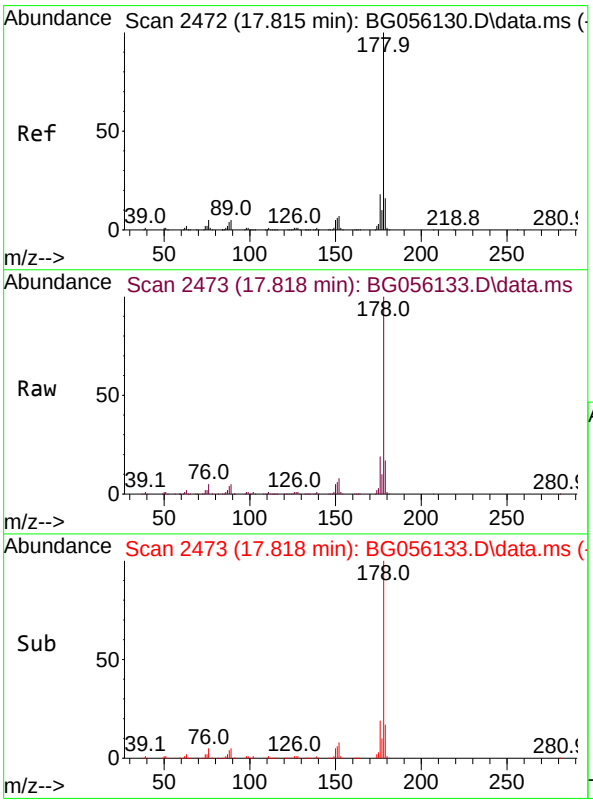
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	16.0	13.6	20.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

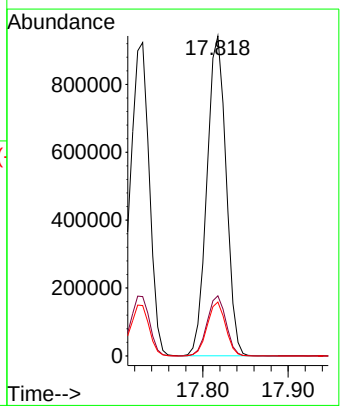
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

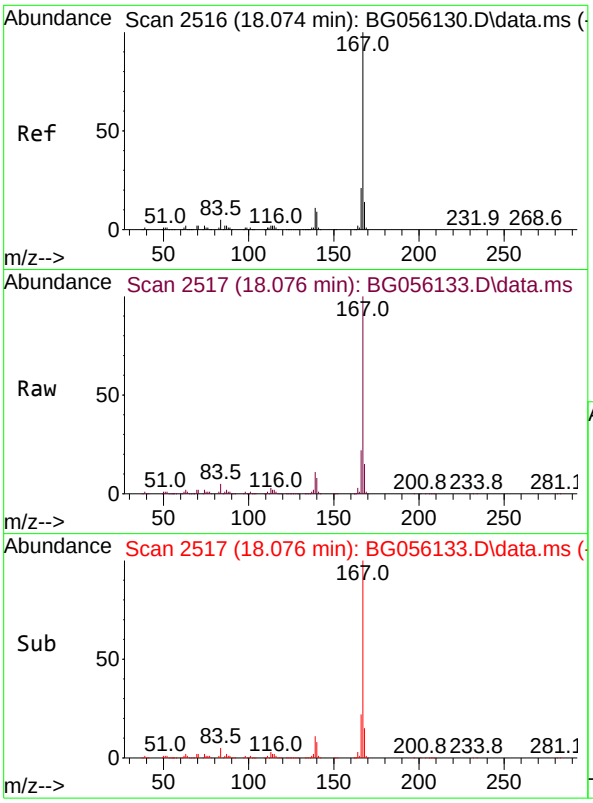


#72
Anthracene
Concen: 78.032 ng
RT: 17.818 min Scan# 2473
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:178 Resp: 1470034

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	16.8	12.7	19.1

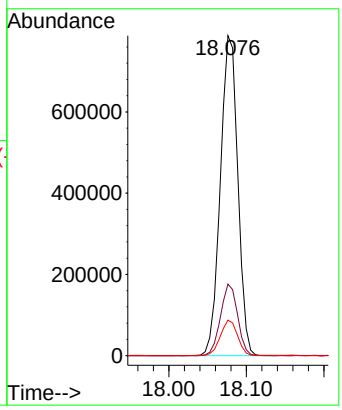




#73
Carbazole
Concen: 79.390 ng
RT: 18.076 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:167 Resp: 123350

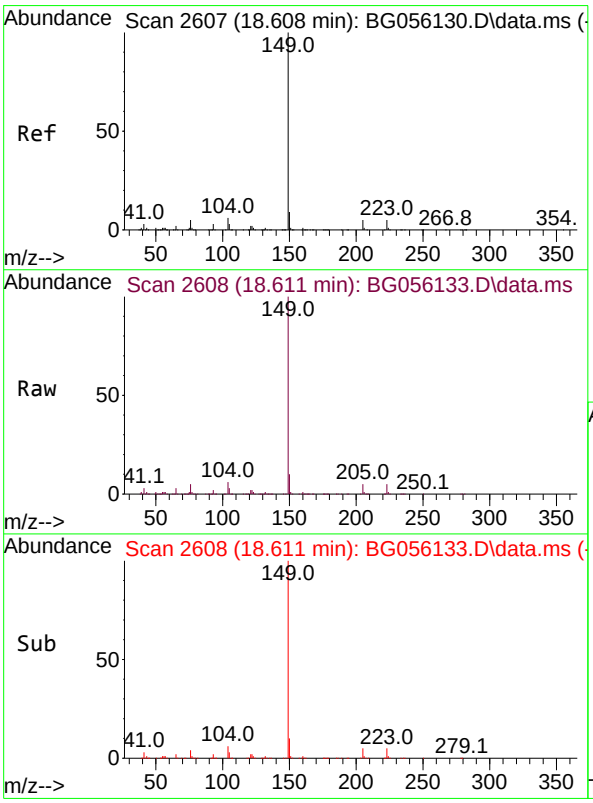
Ion	Ratio	Lower	Upper
167	100		
166	22.3	16.8	25.2
139	11.1	8.9	13.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

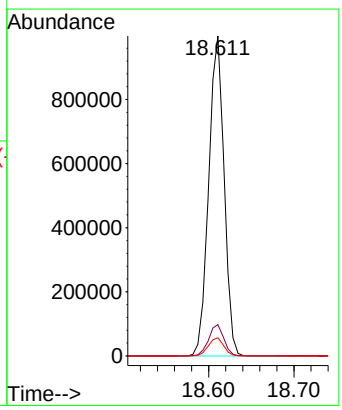
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

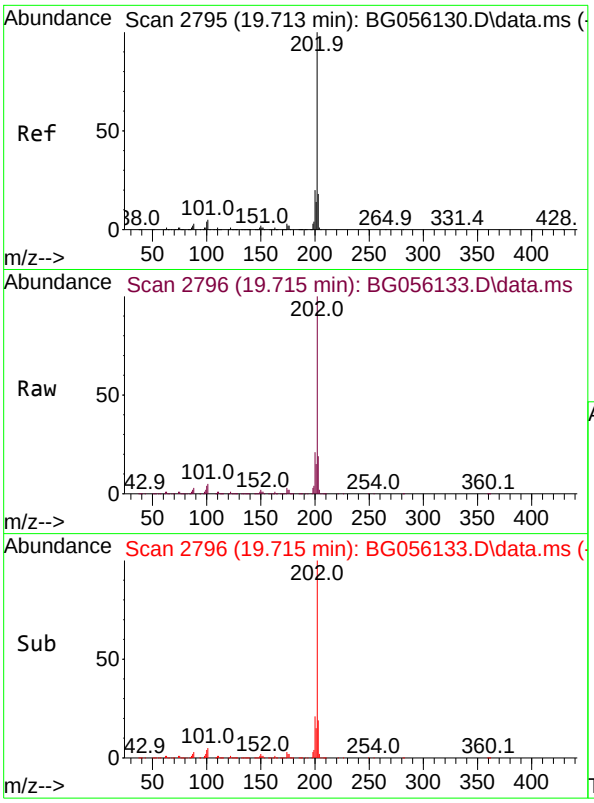


#74
Di-n-butylphthalate
Concen: 69.151 ng
RT: 18.611 min Scan# 2608
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:149 Resp: 1249494

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.4	11.2
104	5.7	4.4	6.6





#75
Fluoranthene
Concen: 68.928 ng
RT: 19.715 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

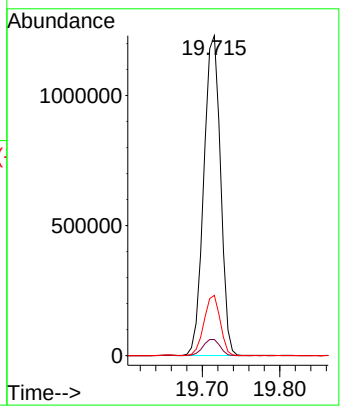
Tgt Ion:202 Resp: 183793

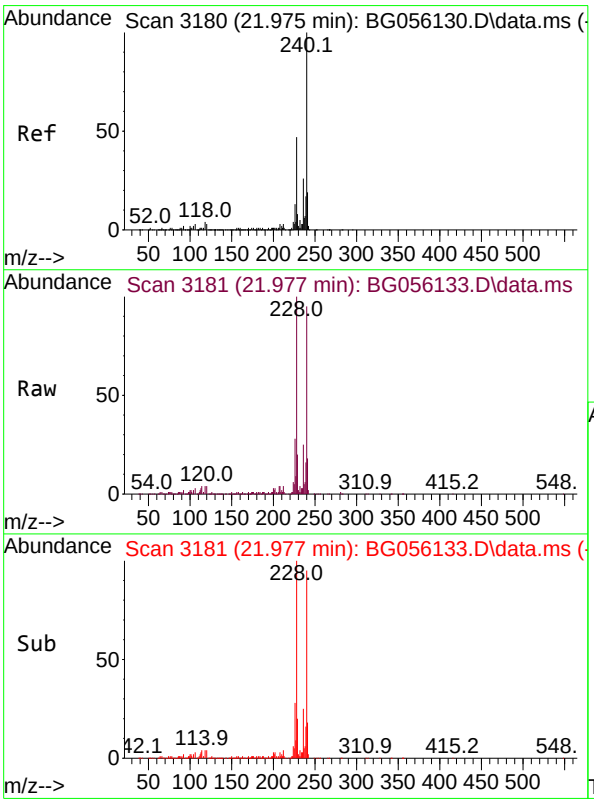
Ion	Ratio	Lower	Upper
202	100		
101	5.0	0.0	25.0
203	18.8	0.0	38.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

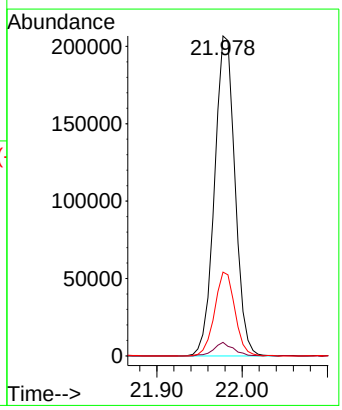


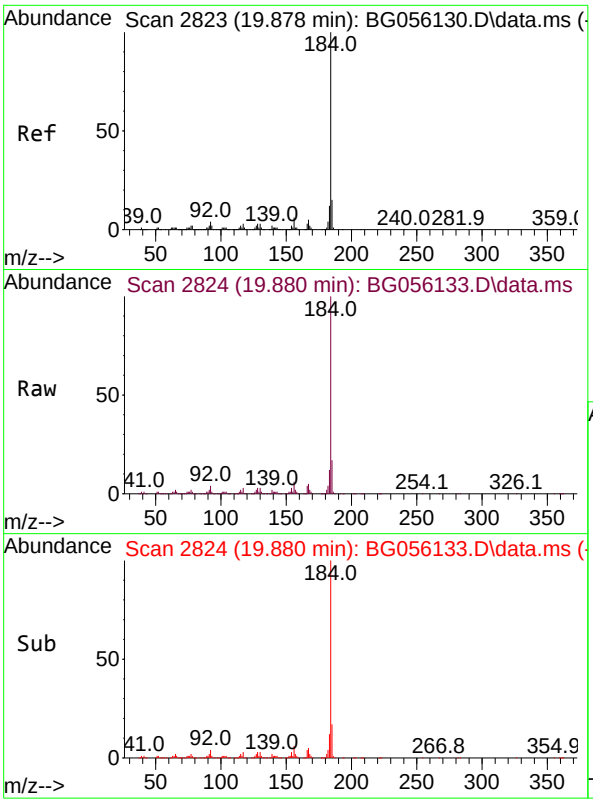


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.977 min Scan# 3181
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:240 Resp: 343910

Ion	Ratio	Lower	Upper
240	100		
120	4.2	2.6	4.0#
236	26.2	20.8	31.2

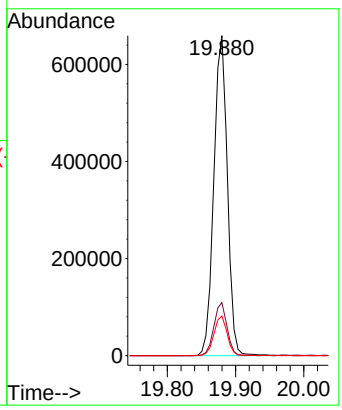




#77
Benzidine
Concen: 149.521 ng
RT: 19.880 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:184 Resp: 90305

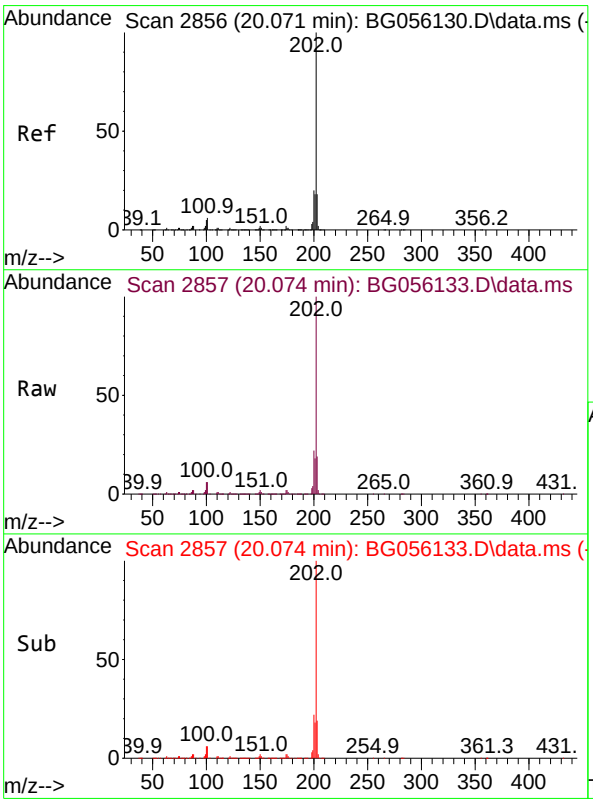
Ion	Ratio	Lower	Upper
184	100		
185	16.6	12.2	18.2
183	12.4	9.4	14.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

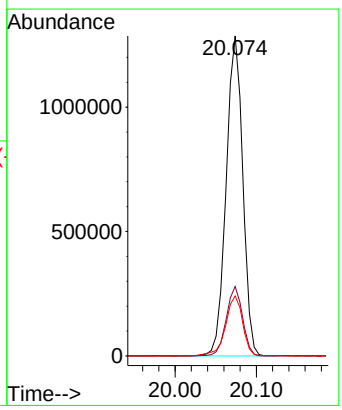
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

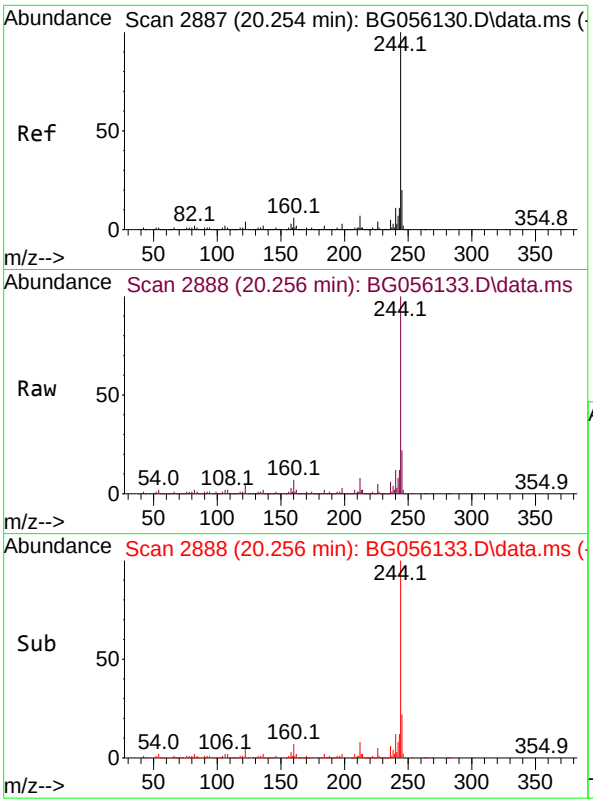


#78
Pyrene
Concen: 87.833 ng
RT: 20.074 min Scan# 2857
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:202 Resp: 1827824

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.4	24.6
203	18.7	14.3	21.5

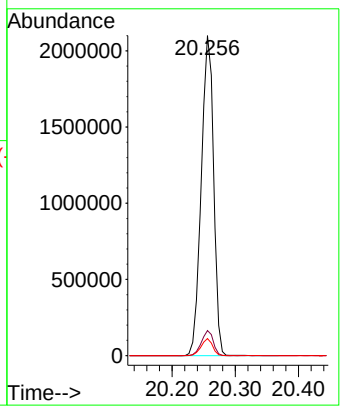




#79
Terphenyl-d14
Concen: 146.005 ng
RT: 20.256 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:244 Resp: 284106

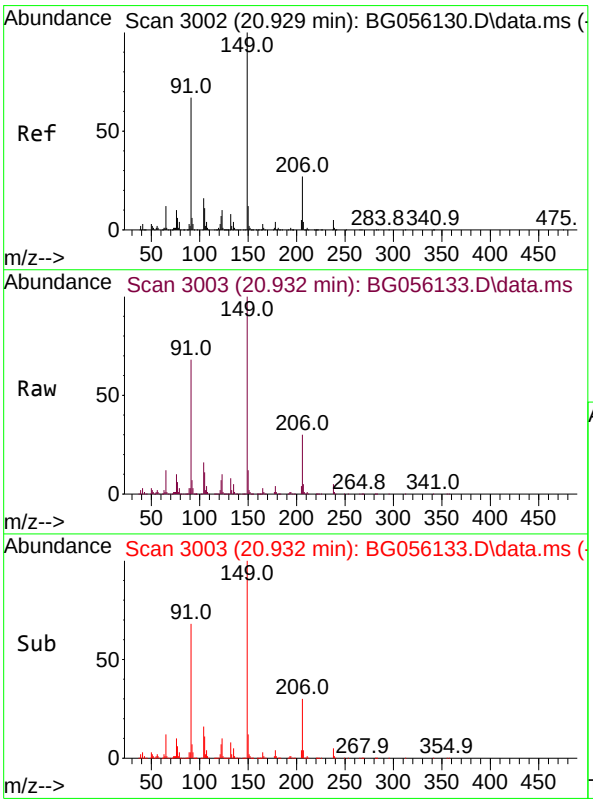
Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.7	8.5
122	5.3	3.5	5.3#



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

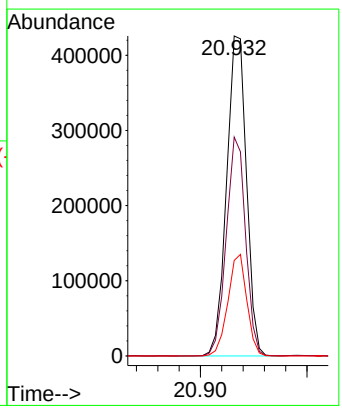
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

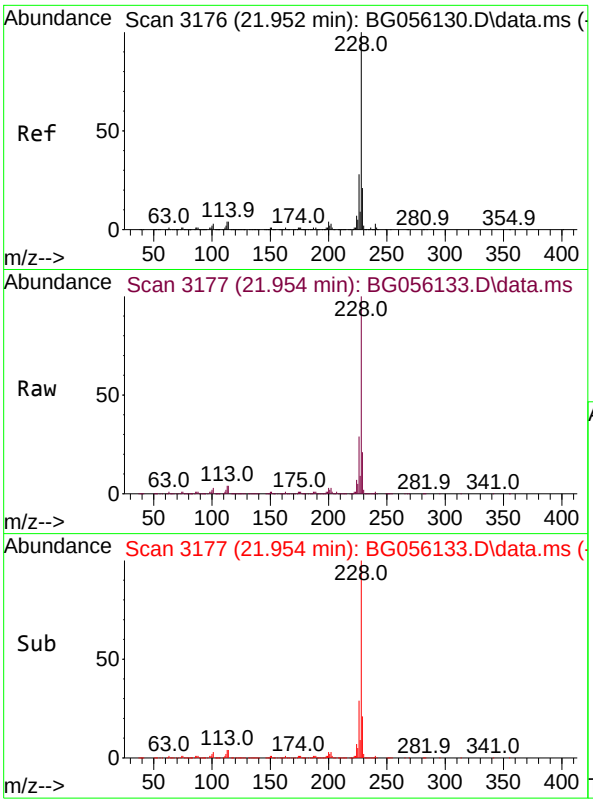


#80
Butylbenzylphthalate
Concen: 93.572 ng
RT: 20.932 min Scan# 3003
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:149 Resp: 551778

Ion	Ratio	Lower	Upper
149	100		
91	68.4	53.5	80.3
206	29.8	21.9	32.9





#81
Benzo(a)anthracene
Concen: 76.968 ng
RT: 21.954 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

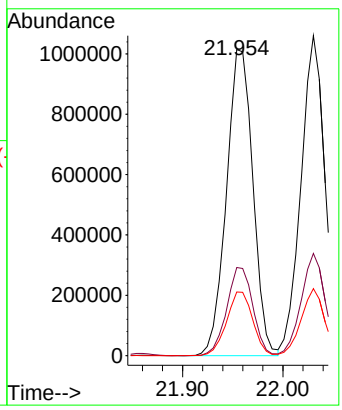
Tgt Ion:228 Resp: 186263

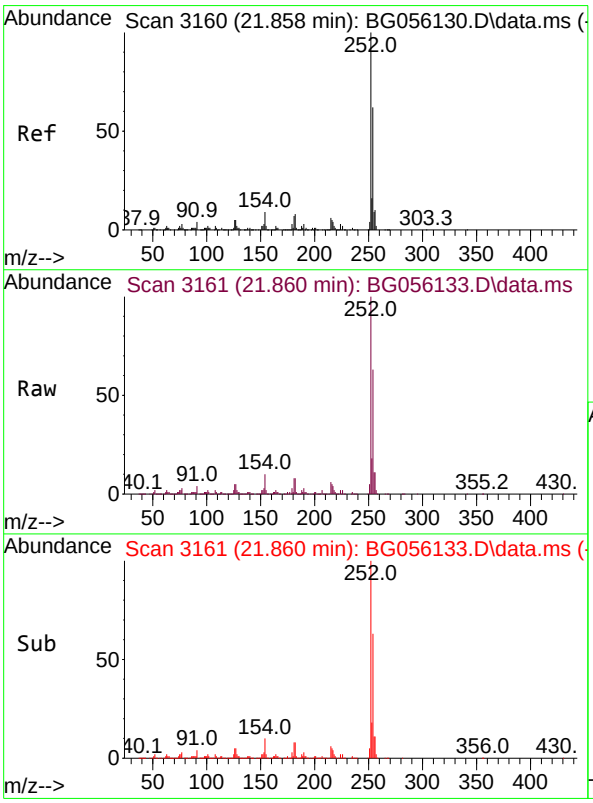
Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	34.0
229	20.8	16.9	25.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

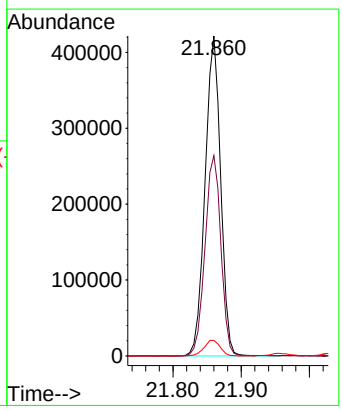


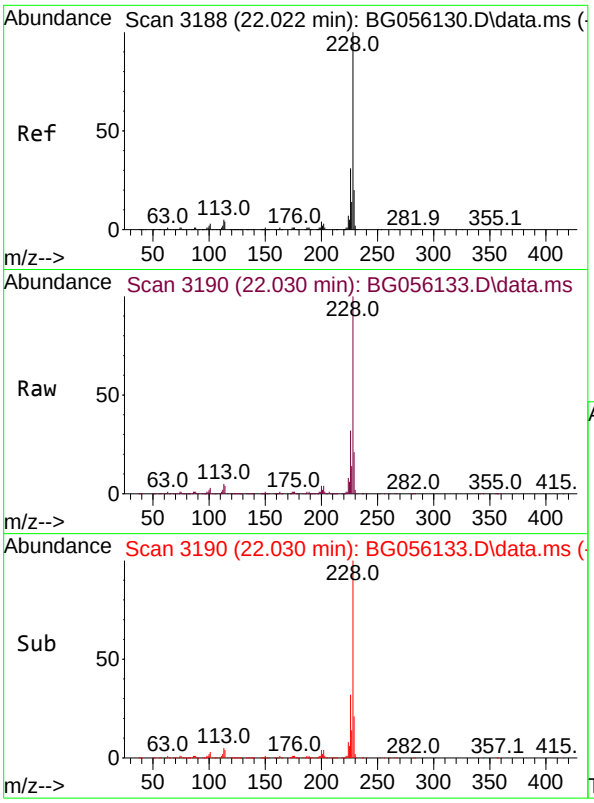


#82
3,3'-Dichlorobenzidine
Concen: 76.478 ng
RT: 21.860 min Scan# 3161
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:252 Resp: 665890

Ion	Ratio	Lower	Upper
252	100		
254	62.6	49.5	74.3
126	4.8	4.0	6.0





#83
Chrysene
Concen: 76.962 ng
RT: 22.030 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

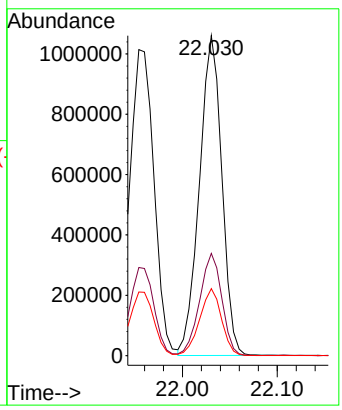
Tgt Ion:228 Resp: 174556

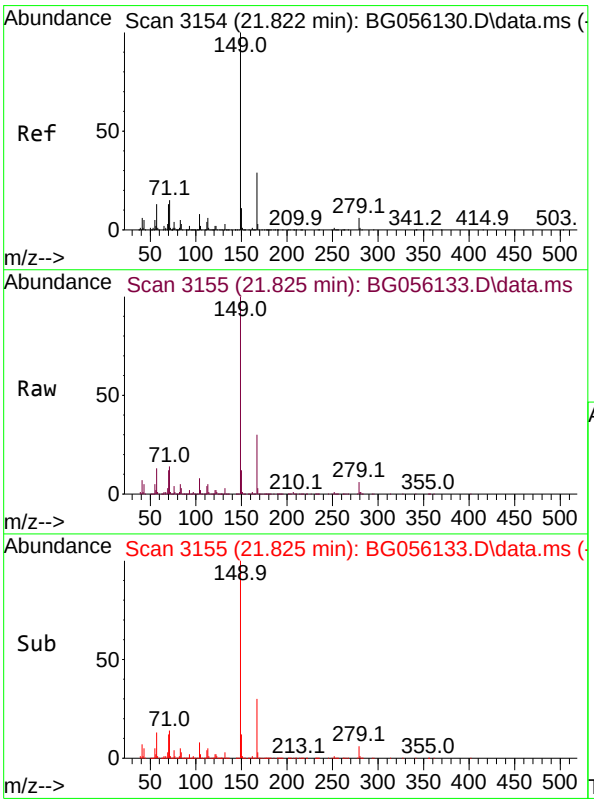
Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.6	36.8
229	20.9	15.8	23.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

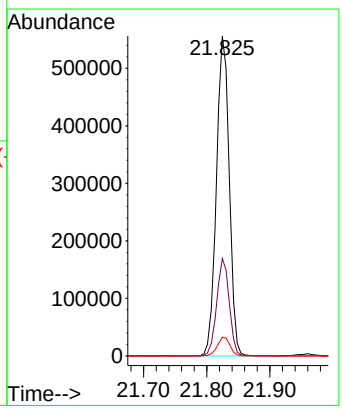


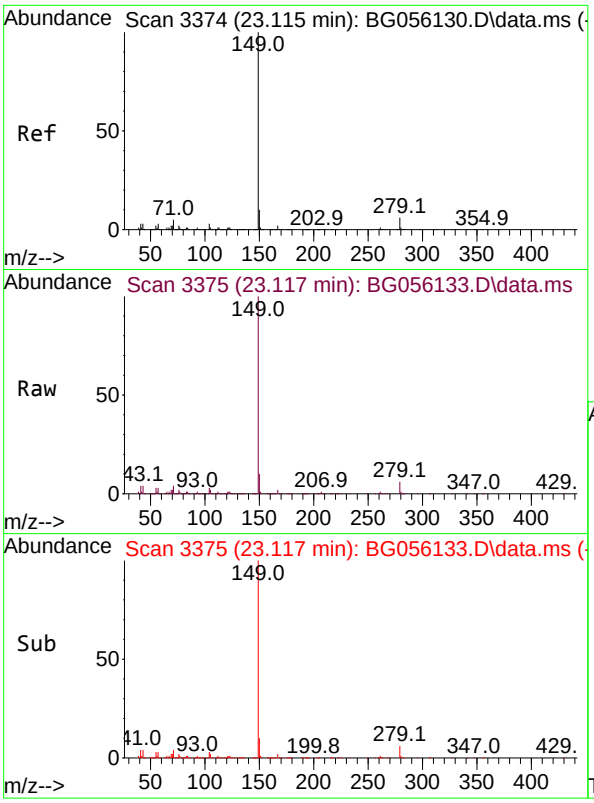


#84
Bis(2-ethylhexyl)phthalate
Concen: 89.469 ng
RT: 21.825 min Scan# 3155
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:149 Resp: 783835

Ion	Ratio	Lower	Upper
149	100		
167	30.4	23.4	35.2
279	5.8	4.7	7.1

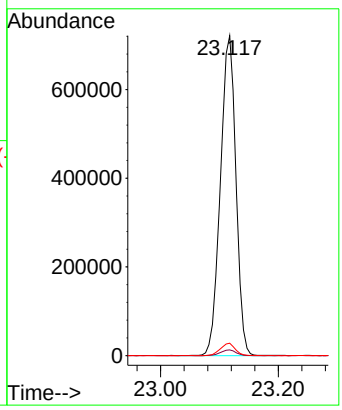




#85
Di-n-octyl phthalate
Concen: 89.008 ng
RT: 23.117 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:149 Resp: 132276

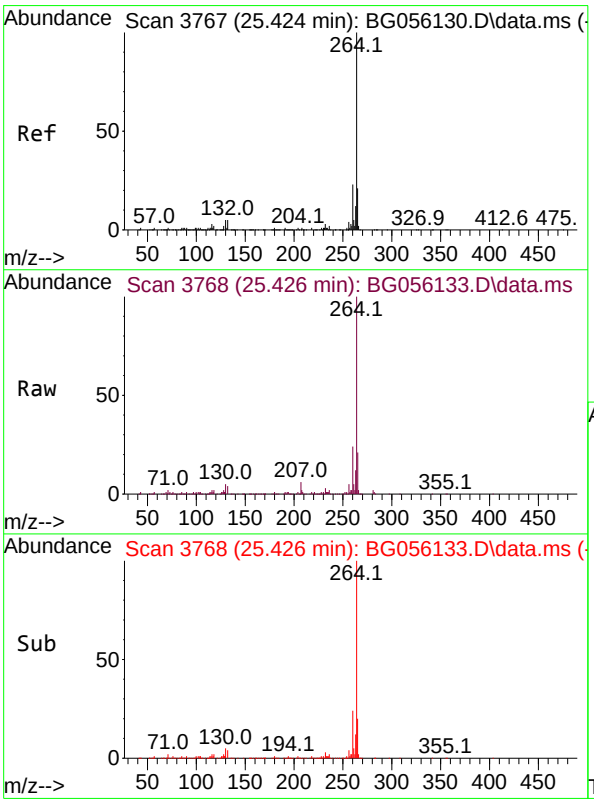
Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.2
43	3.7	2.9	4.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

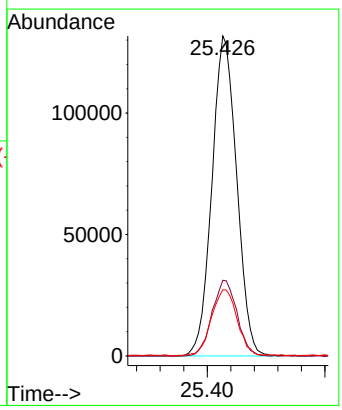
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

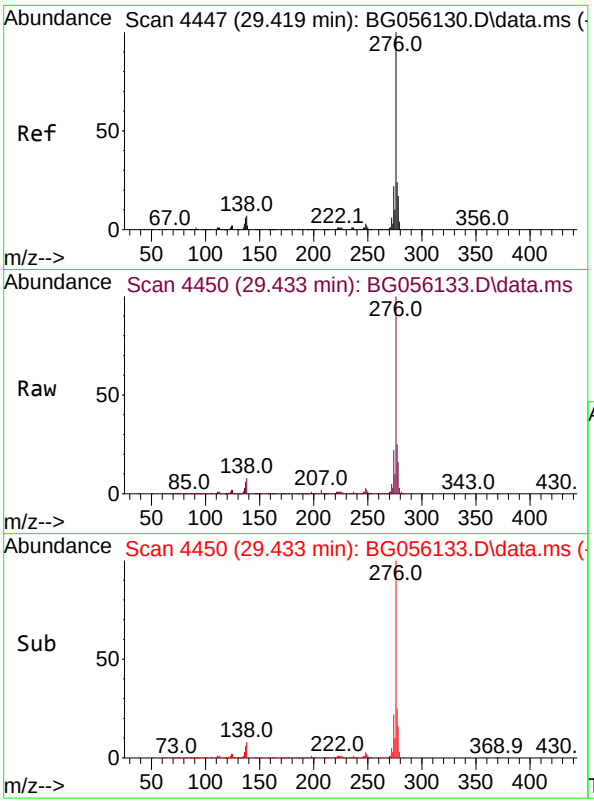


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.426 min Scan# 3768
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:264 Resp: 384265

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	20.7	16.7	25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 70.349 ng
RT: 29.433 min Scan# 44
Delta R.T. 0.014 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

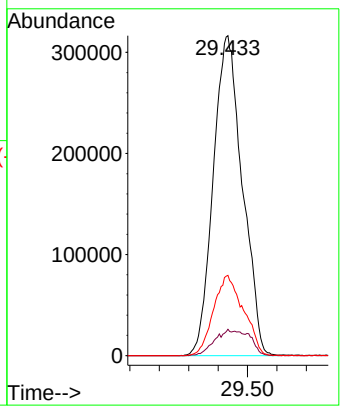
Tgt Ion:276 Resp: 217380

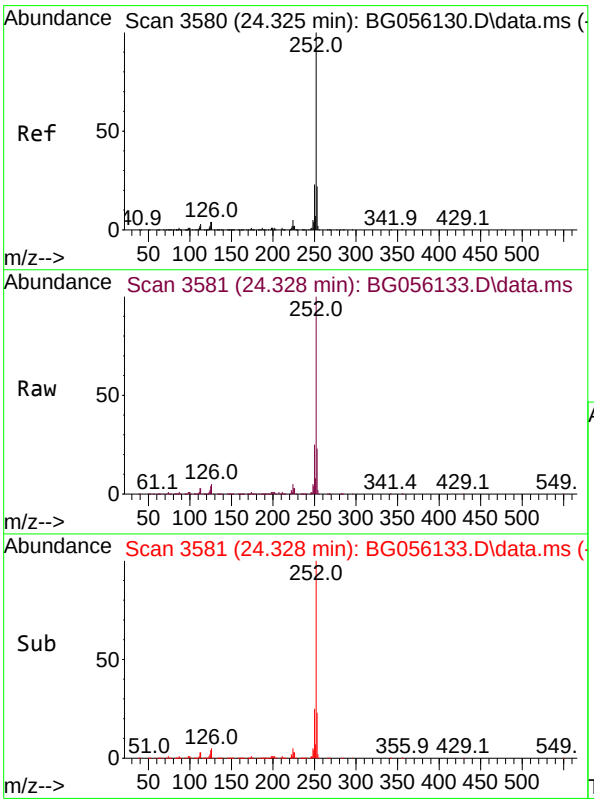
Ion	Ratio	Lower	Upper
276	100		
138	4.7	5.0	7.4
277	25.8	20.5	30.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

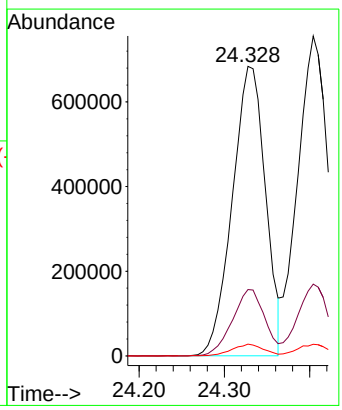


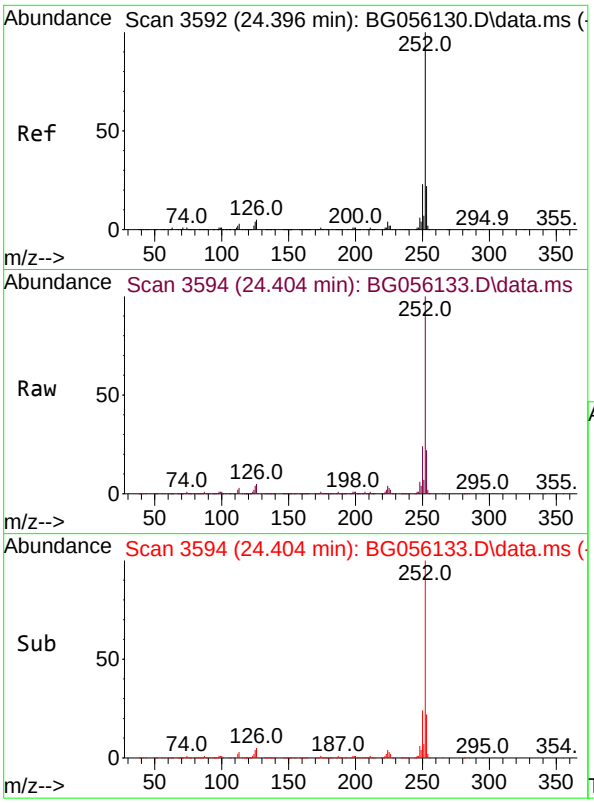


#88
Benzo(b)fluoranthene
Concen: 74.250 ng
RT: 24.328 min Scan# 3581
Delta R.T. 0.002 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:252 Resp: 1846538

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	4.1	3.0	4.4

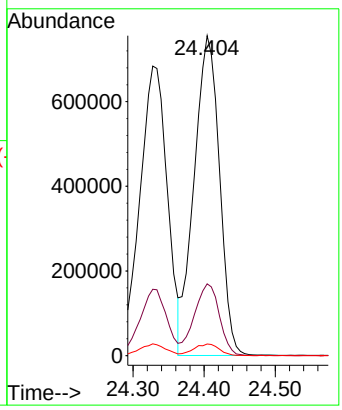




#89
Benzo(k)fluoranthene
Concen: 75.440 ng
RT: 24.404 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:252 Resp: 187183

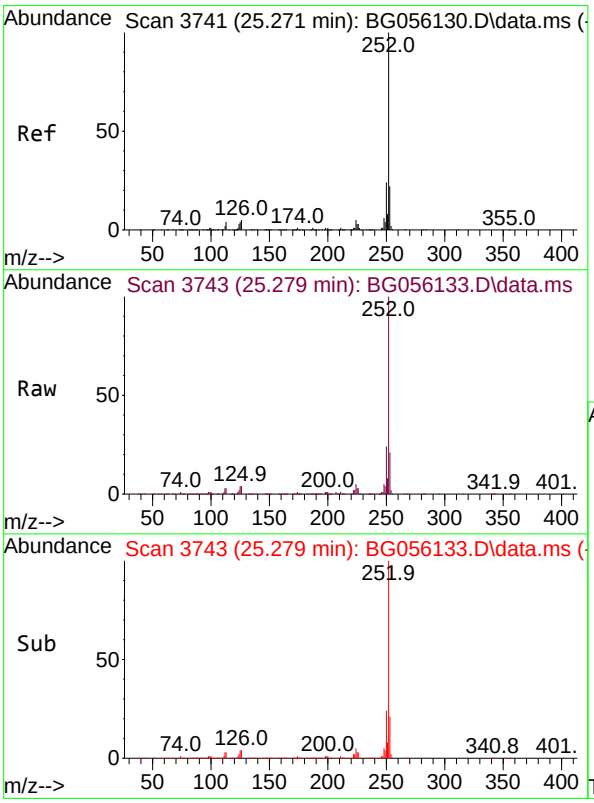
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	3.6	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

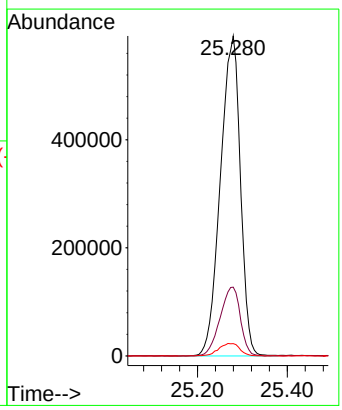
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

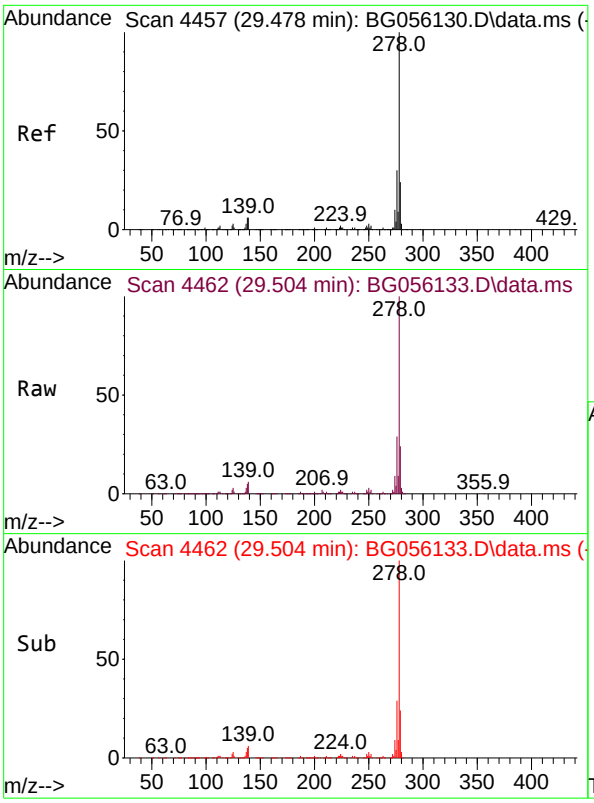


#90
Benzo(a)pyrene
Concen: 87.092 ng
RT: 25.279 min Scan# 3743
Delta R.T. 0.008 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:252 Resp: 1830788

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	3.8	3.2	4.8

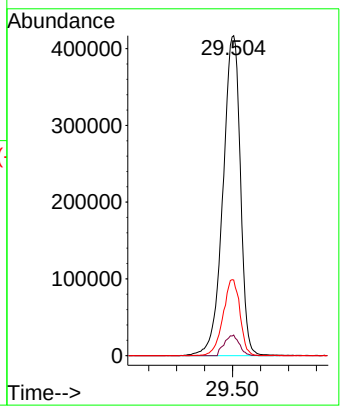




#91
Dibenzo(a,h)anthracene
Concen: 69.784 ng
RT: 29.504 min Scan# 44
Delta R.T. 0.026 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:278 Resp: 180483

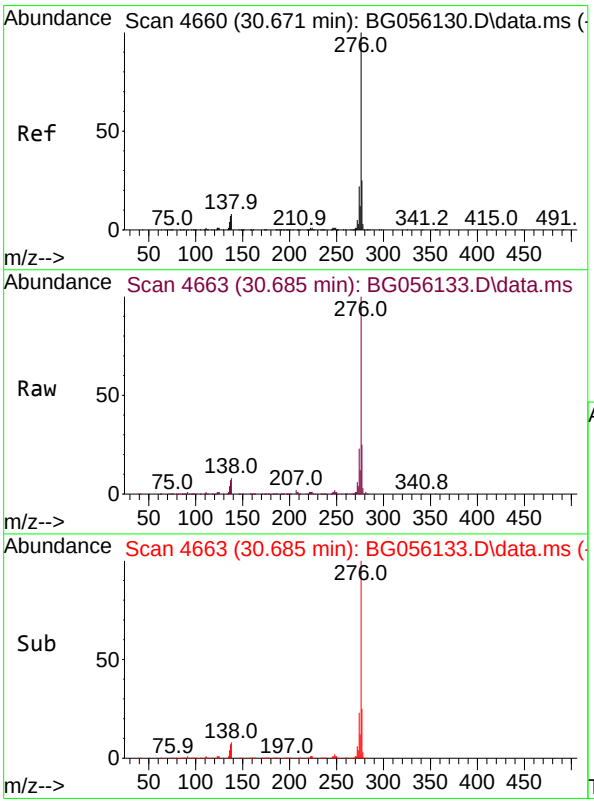
Ion	Ratio	Lower	Upper
278	100		
139	6.4	4.8	7.2
279	23.6	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

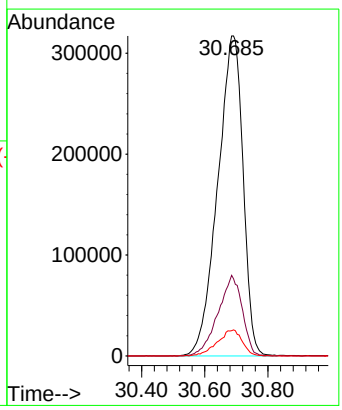
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#92
Benzo(g,h,i)perylene
Concen: 70.586 ng
RT: 30.685 min Scan# 4663
Delta R.T. 0.014 min
Lab File: BG056133.D
Acq: 27 Dec 2022 19:42

Tgt Ion:276 Resp: 1765082

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.7	29.5
138	7.9	6.7	10.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056134.D
Acq On : 27 Dec 2022 20:24
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

Quant Time: Dec 28 05:22:48 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 05:20:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.341	152	40154	20.000	ng	0.00
21) Naphthalene-d8	11.167	136	157912	20.000	ng	0.00
39) Acenaphthene-d10	14.945	164	138474	20.000	ng	0.00
64) Phenanthrene-d10	17.677	188	374822	20.000	ng	0.00
76) Chrysene-d12	21.978	240	364377	20.000	ng	0.00
86) Perylene-d12	25.427	264	400261	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.850	112	181185	80.566	ng	0.00
7) Phenol-d6	7.466	99	286561	82.973	ng	0.00
23) Nitrobenzene-d5	9.510	82	248132	80.376	ng	0.00
42) 2,4,6-Tribromophenol	16.426	330	146333	83.440	ng	0.00
45) 2-Fluorobiphenyl	13.576	172	805805	80.357	ng	0.00
79) Terphenyl-d14	20.251	244	1604339	78.859	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.676	88	40912	39.828	ng	98
3) Pyridine	4.093	79	131334	41.978	ng	98
4) n-Nitrosodimethylamine	3.999	42	26893	42.257	ng	90
6) Aniline	7.648	93	185536	40.965	ng	99
8) 2-Chlorophenol	7.895	128	93350	41.713	ng	94
9) Benzaldehyde	7.460	77	83926	40.869	ng	95
10) Phenol	7.495	94	145190	41.453	ng	97
11) bis(2-Chloroethyl)ether	7.742	93	92845	39.116	ng	93
12) 1,3-Dichlorobenzene	8.224	146	109233	40.105	ng	99
13) 1,4-Dichlorobenzene	8.376	146	112847	41.260	ng	99
14) 1,2-Dichlorobenzene	8.700	146	105950	40.147	ng	98
15) Benzyl Alcohol	8.564	79	102976	40.968	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.858	45	16195	38.611	ng	89
17) 2-Methylphenol	8.764	107	107945	42.001	ng	98
18) Hexachloroethane	9.434	117	33871	40.766	ng	96
19) n-Nitroso-di-n-propyla...	9.140	70	85481	40.703	ng	97
20) 3+4-Methylphenols	9.093	107	151509	41.931	ng	99
22) Acetophenone	9.164	105	180762	40.484	ng	97
24) Nitrobenzene	9.551	77	123466	40.357	ng	96
25) Isophorone	10.074	82	257750	39.682	ng	96
26) 2-Nitrophenol	10.268	139	65703	41.974	ng	91
27) 2,4-Dimethylphenol	10.309	122	115908	40.598	ng	98
28) bis(2-Chloroethoxy)met...	10.550	93	134940	39.971	ng	97
29) 2,4-Dichlorophenol	10.803	162	131140	41.547	ng	99
30) 1,2,4-Trichlorobenzene	11.026	180	148784	41.538	ng	99
31) Naphthalene	11.220	128	342972	41.269	ng	99
32) Benzoic acid	10.427	122	88566	41.809	ng	96
33) 4-Chloroaniline	11.314	127	161056	40.590	ng	99
34) Hexachlorobutadiene	11.496	225	104023	40.379	ng	99
35) Caprolactam	12.078	113	45690	42.755	ng	98
36) 4-Chloro-3-methylphenol	12.407	107	135046	42.164	ng	98
37) 2-Methylnaphthalene	12.801	142	284938	40.605	ng	98
38) 1-Methylnaphthalene	13.018	142	263507	40.438	ng	98
40) 1,2,4,5-Tetrachloroben...	13.159	216	212209	40.888	ng	98
41) Hexachlorocyclopentadiene	13.136	237	123428	41.714	ng	98
43) 2,4,6-Trichlorophenol	13.388	196	142145	41.419	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056134.D
Acq On : 27 Dec 2022 20:24
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

Quant Time: Dec 28 05:22:48 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 05:20:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.459	196	168703	41.556	ng		95
46) 1,1'-Biphenyl	13.788	154	404074	40.745	ng		99
47) 2-Chloronaphthalene	13.835	162	320555	40.951	ng		99
48) 2-Nitroaniline	14.023	65	70295	42.149	ng		98
49) Acenaphthylene	14.675	152	518265	40.686	ng		98
50) Dimethylphthalate	14.387	163	458120	40.982	ng		98
51) 2,6-Dinitrotoluene	14.505	165	97931	41.114	ng		96
52) Acenaphthene	15.010	154	345097	41.654	ng		98
53) 3-Nitroaniline	14.839	138	95304	42.042	ng		99
54) 2,4-Dinitrophenol	15.039	184	73739	43.334	ng		96
55) Dibenzofuran	15.339	168	564569	41.180	ng		99
56) 4-Nitrophenol	15.121	139	73765	42.310	ng		97
57) 2,4-Dinitrotoluene	15.286	165	140620	42.213	ng		93
58) Fluorene	15.985	166	446690	40.509	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.556	232	159499m	41.844	ng		
60) Diethylphthalate	15.732	149	431024	41.116	ng		99
61) 4-Chlorophenyl-phenyle...	15.967	204	281647	40.928	ng		98
62) 4-Nitroaniline	15.997	138	96430	41.527	ng		98
63) Azobenzene	16.261	77	323933	40.042	ng		99
65) 4,6-Dinitro-2-methylph...	16.050	198	107739	42.663	ng		99
66) n-Nitrosodiphenylamine	16.179	169	417497	40.146	ng		97
67) 4-Bromophenyl-phenylether	16.861	248	190575	39.928	ng		99
68) Hexachlorobenzene	16.984	284	179851	40.388	ng		98
69) Atrazine	17.113	200	173363	40.223	ng		97
70) Pentachlorophenol	17.319	266	142651	41.702	ng		98
71) Phenanthrene	17.724	178	782900	40.305	ng		98
72) Anthracene	17.812	178	810442	40.446	ng		99
73) Carbazole	18.077	167	674206	40.029	ng		99
74) Di-n-butylphthalate	18.606	149	689697	41.078	ng		100
75) Fluoranthene	19.710	202	1017875	40.173	ng		99
77) Benzidine	19.875	184	497621	38.970	ng		100
78) Pyrene	20.069	202	1019426	39.693	ng		99
80) Butylbenzylphthalate	20.932	149	297869	40.426	ng		99
81) Benzo(a)anthracene	21.955	228	1025059	40.053	ng		99
82) 3,3'-Dichlorobenzidine	21.855	252	371096	40.280	ng		99
83) Chrysene	22.025	228	965374	40.269	ng		99
84) Bis(2-ethylhexyl)phtha...	21.825	149	418710	39.444	ng		99
85) Di-n-octyl phthalate	23.112	149	724520	40.429	ng		100
87) Indeno(1,2,3-cd)pyrene	29.405	276	1178781	40.495	ng	#	99
88) Benzo(b)fluoranthene	24.322	252	1026906	40.380	ng		99
89) Benzo(k)fluoranthene	24.399	252	1026237	40.524	ng		99
90) Benzo(a)pyrene	25.268	252	1001406	40.372	ng		99
91) Dibenzo(a,h)anthracene	29.481	278	983324	40.291	ng		97
92) Benzo(g,h,i)perylene	30.662	276	950258	40.151	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

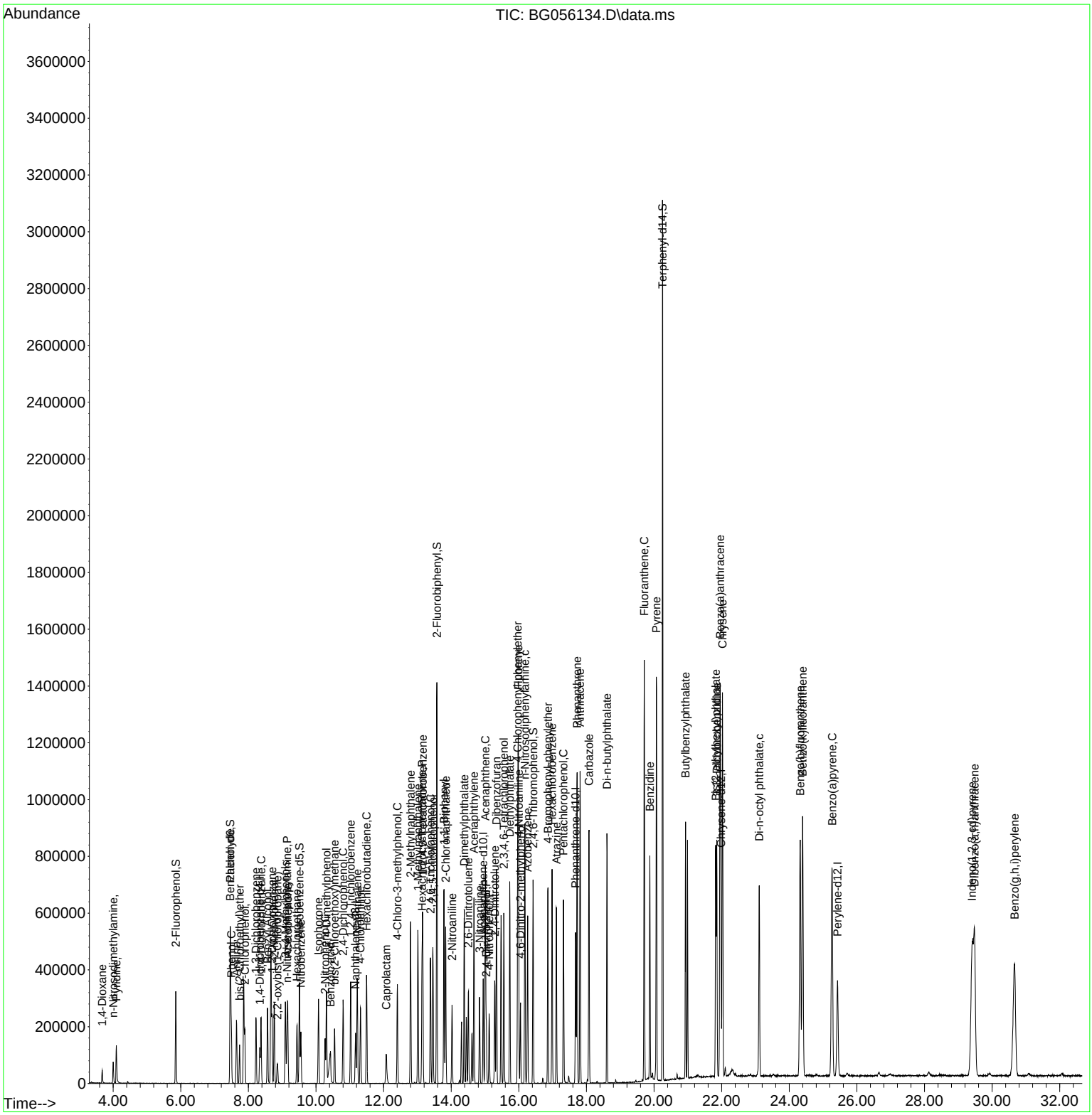
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056134.D
Acq On : 27 Dec 2022 20:24
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

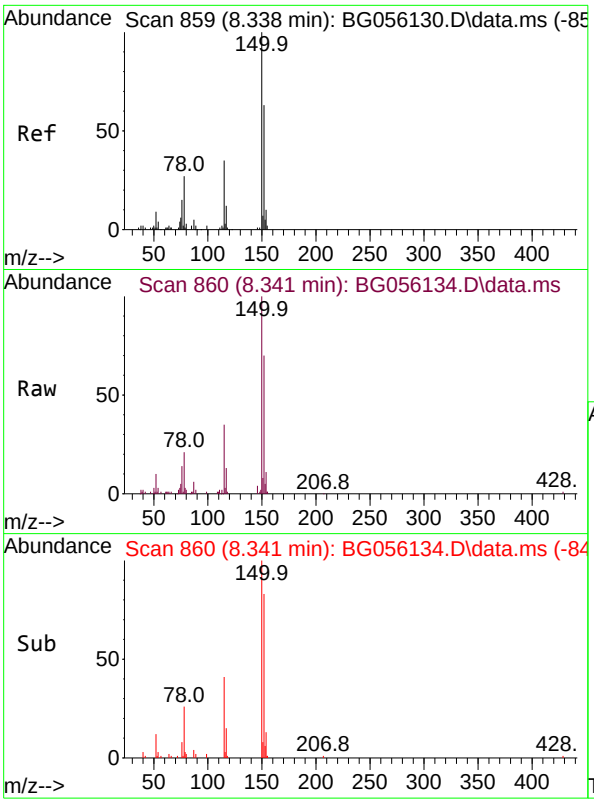
Quant Time: Dec 28 05:22:48 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 05:20:14 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

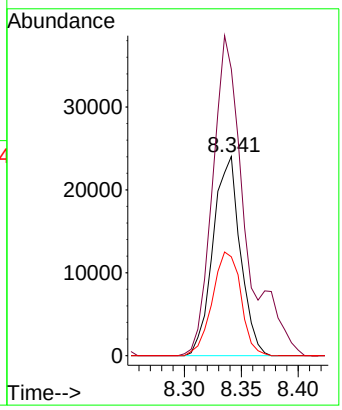




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.341 min Scan# 8
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:152 Resp: 4015

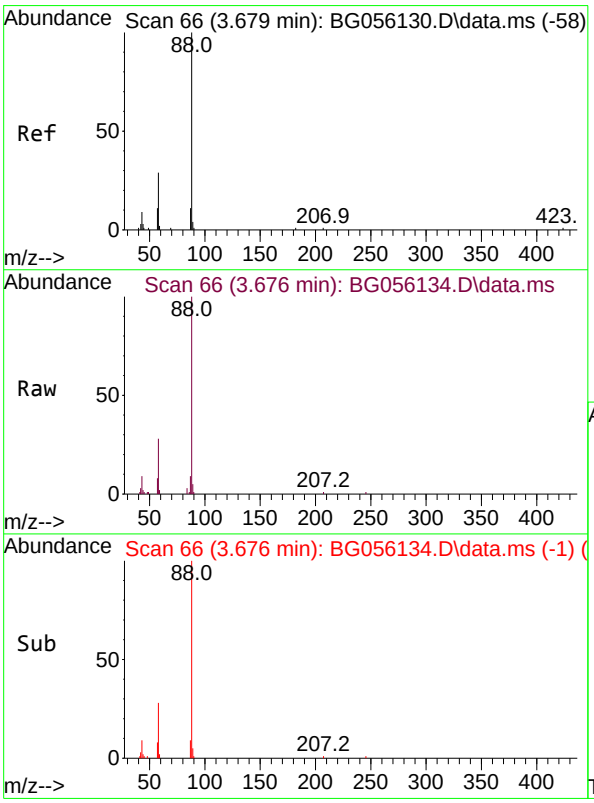
Ion	Ratio	Lower	Upper
152	100		
150	143.8	127.9	191.9
115	49.6	44.2	66.2



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

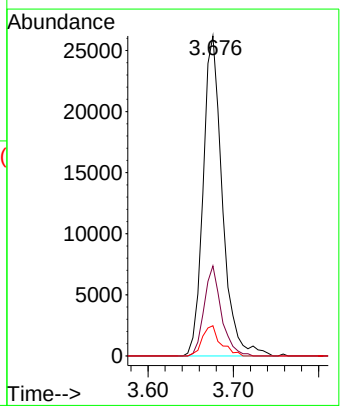
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

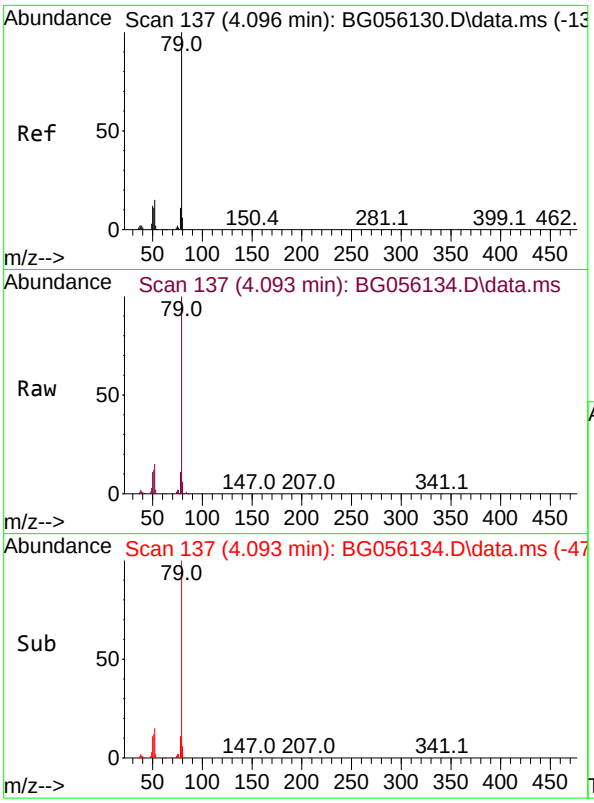


#2
1,4-Dioxane
Concen: 39.828 ng
RT: 3.676 min Scan# 66
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 88 Resp: 40912

Ion	Ratio	Lower	Upper
88	100		
58	25.2	21.4	32.0
43	8.9	7.1	10.7

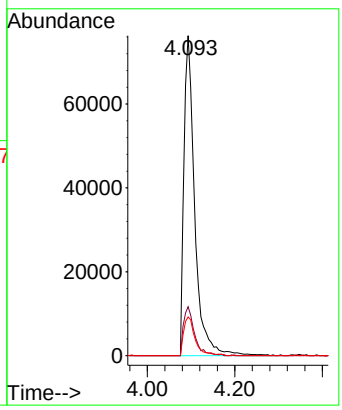




#3
Pyridine
Concen: 41.978 ng
RT: 4.093 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 79 Resp: 13133

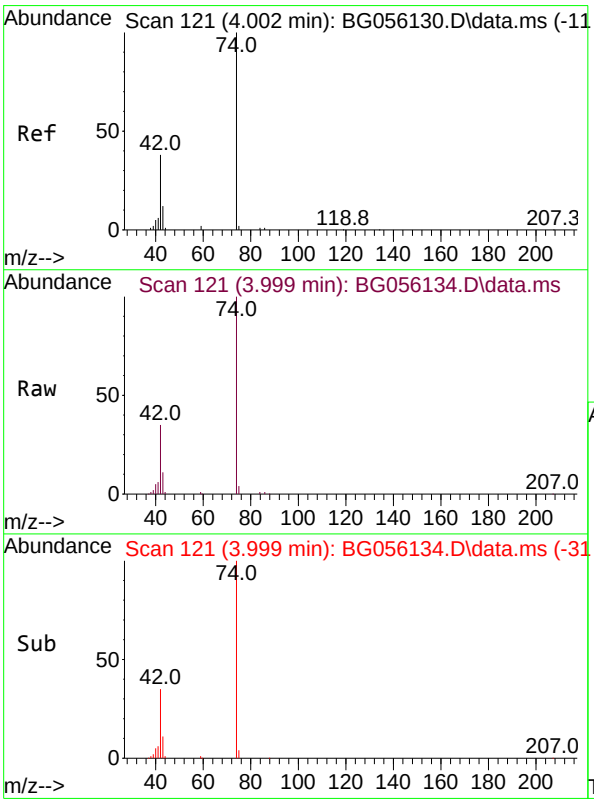
Ion	Ratio	Lower	Upper
79	100		
52	15.3	11.8	17.6
51	12.1	8.8	13.2



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

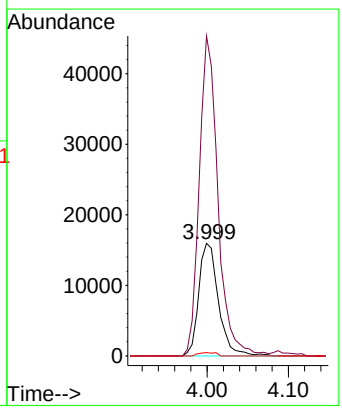
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

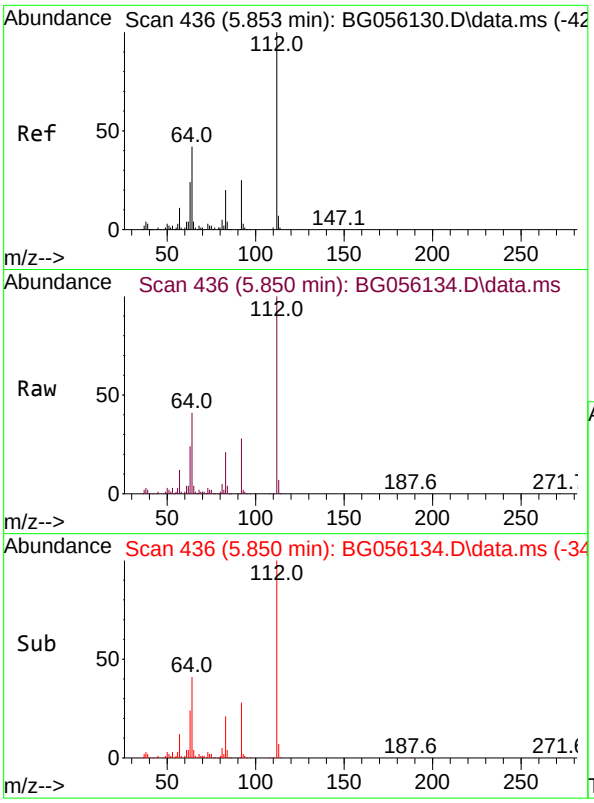


#4
n-Nitrosodimethylamine
Concen: 42.257 ng
RT: 3.999 min Scan# 121
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 42 Resp: 26893

Ion	Ratio	Lower	Upper
42	100		
74	284.1	212.6	319.0
44	2.9	2.6	3.8

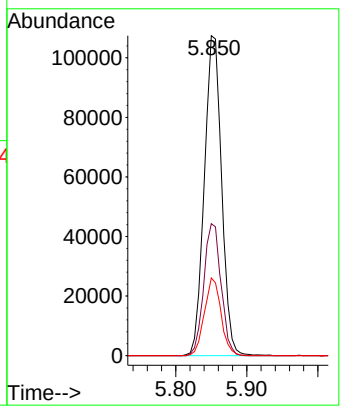




#5
2-Fluorophenol
Concen: 80.566 ng
RT: 5.850 min Scan# 4
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:112 Resp: 18118

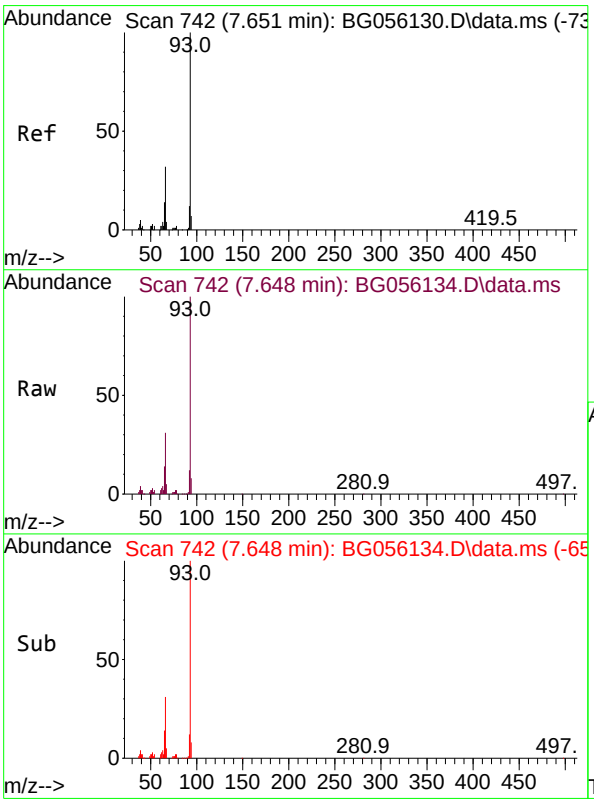
Ion	Ratio	Lower	Upper
112	100		
64	41.2	33.3	49.9
63	24.3	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

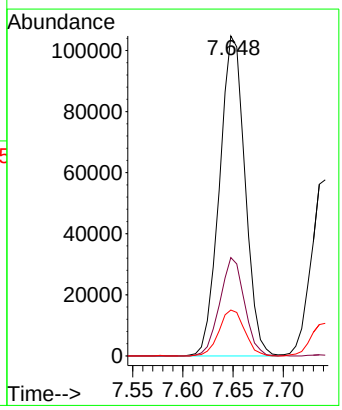
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

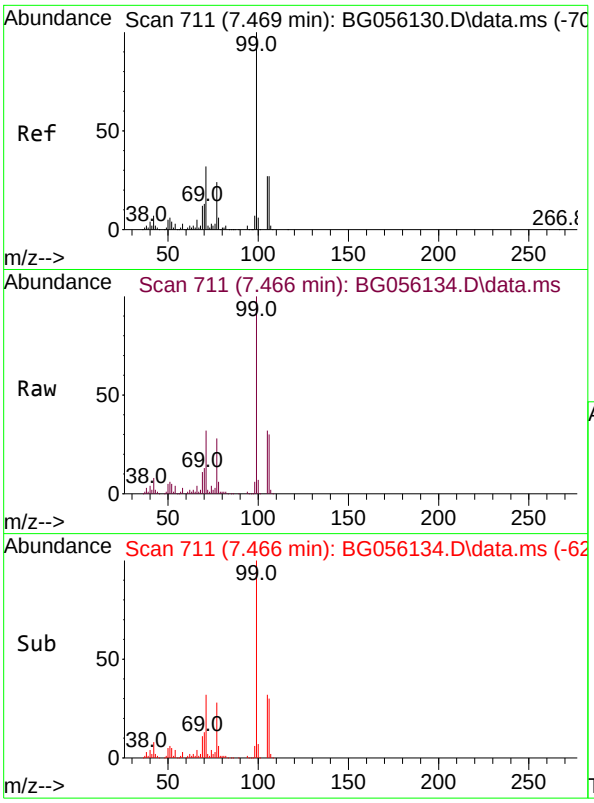


#6
Aniline
Concen: 40.965 ng
RT: 7.648 min Scan# 742
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 93 Resp: 185536

Ion	Ratio	Lower	Upper
93	100		
66	30.7	25.4	38.2
65	14.3	11.4	17.2

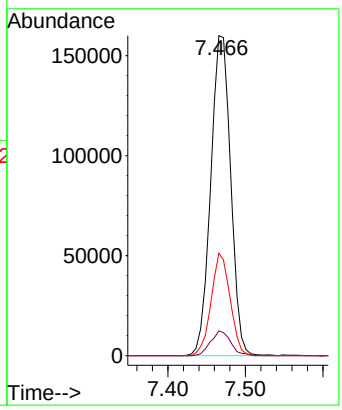




#7
Phenol-d6
Concen: 82.973 ng
RT: 7.466 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 99 Resp: 28656

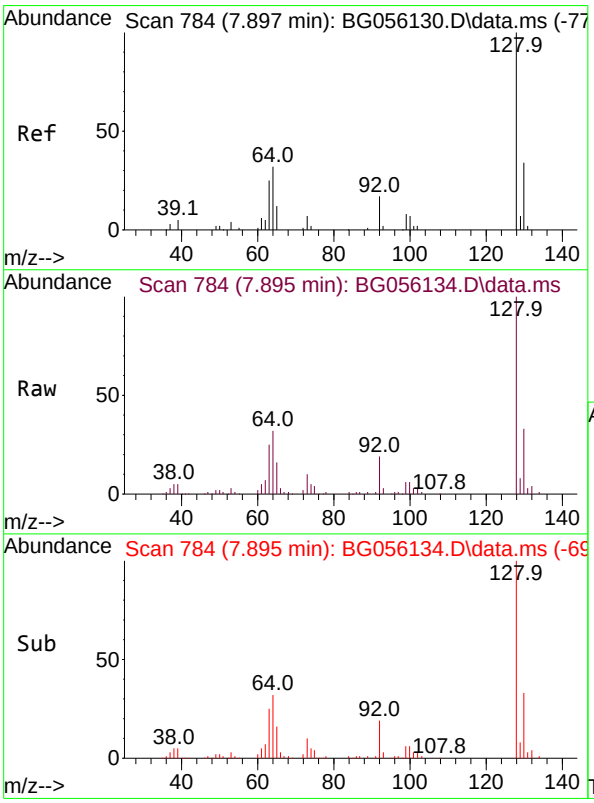
Ion	Ratio	Lower	Upper
99	100		
42	7.7	5.9	8.9
71	32.0	25.4	38.2



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

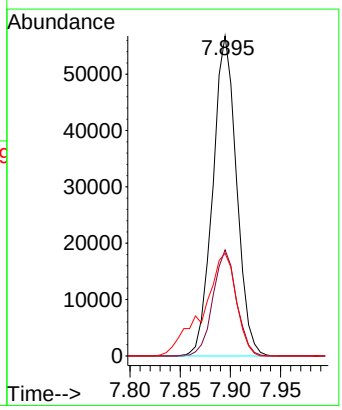
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

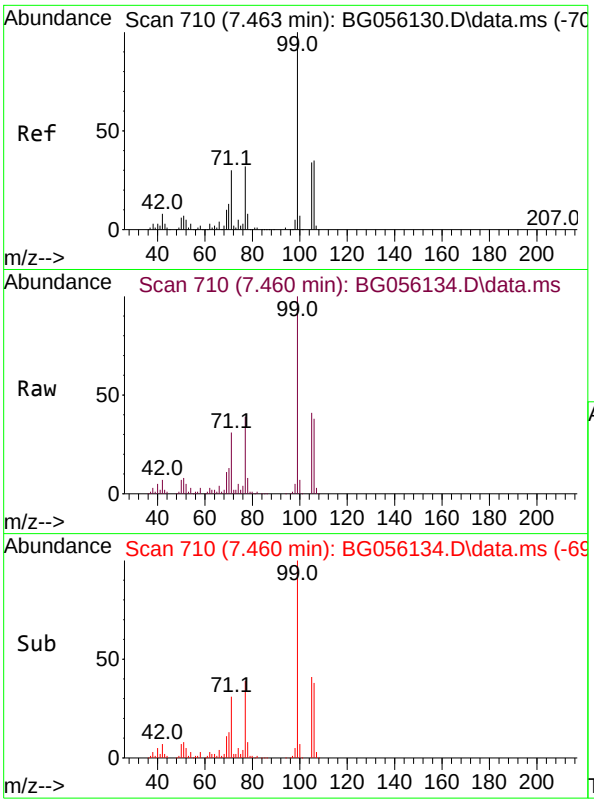


#8
2-Chlorophenol
Concen: 41.713 ng
RT: 7.895 min Scan# 784
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:128 Resp: 93350

Ion	Ratio	Lower	Upper
128	100		
130	33.1	13.5	53.5
64	32.1	18.0	58.0

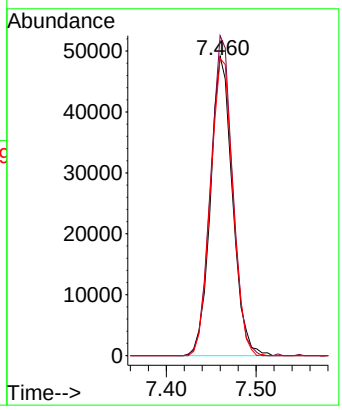




#9
Benzaldehyde
Concen: 40.869 ng
RT: 7.460 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 77 Resp: 8392

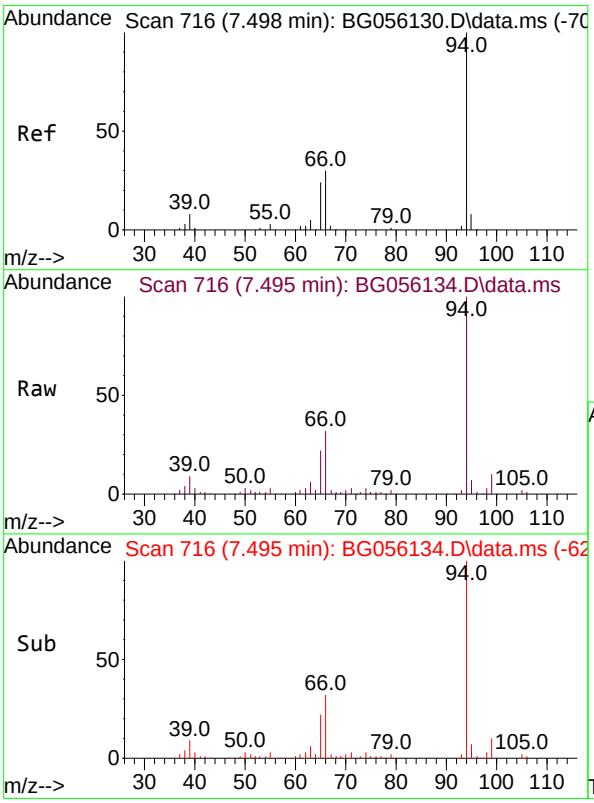
Ion	Ratio	Lower	Upper
77	100		
105	106.9	86.8	126.8
106	99.3	89.3	129.3



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

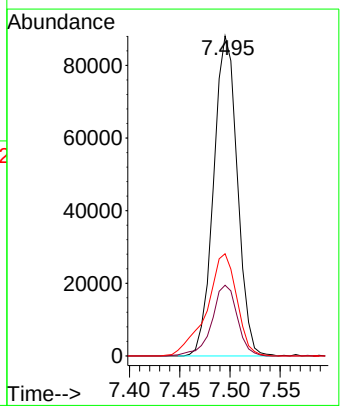
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

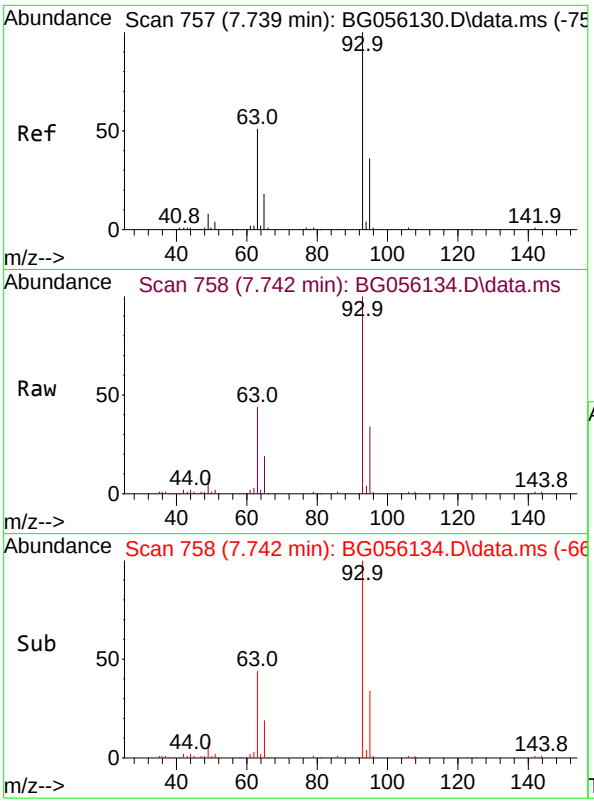


#10
Phenol
Concen: 41.453 ng
RT: 7.495 min Scan# 716
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 94 Resp: 145190

Ion	Ratio	Lower	Upper
94	100		
65	22.1	4.3	44.3
66	31.9	13.2	53.2

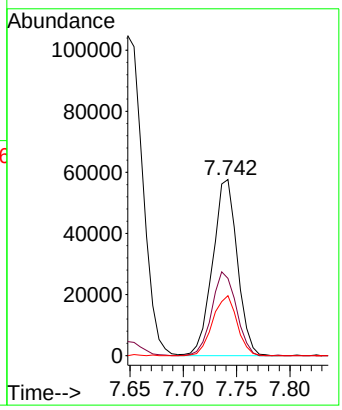




#11
bis(2-Chloroethyl)ether
Concen: 39.116 ng
RT: 7.742 min Scan# 7
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 93 Resp: 9284

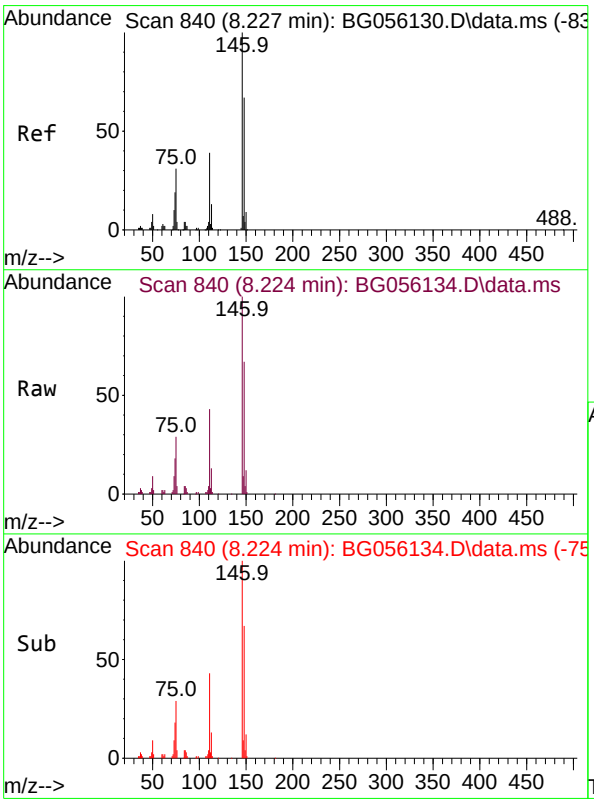
Ion	Ratio	Lower	Upper
93	100		
63	43.8	30.5	70.5
95	34.0	15.9	55.9



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

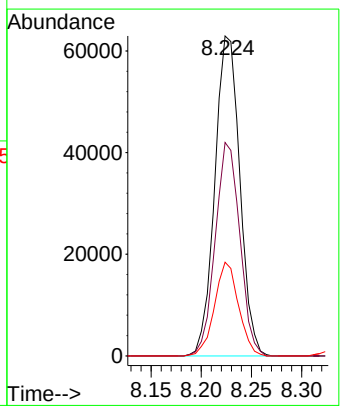
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

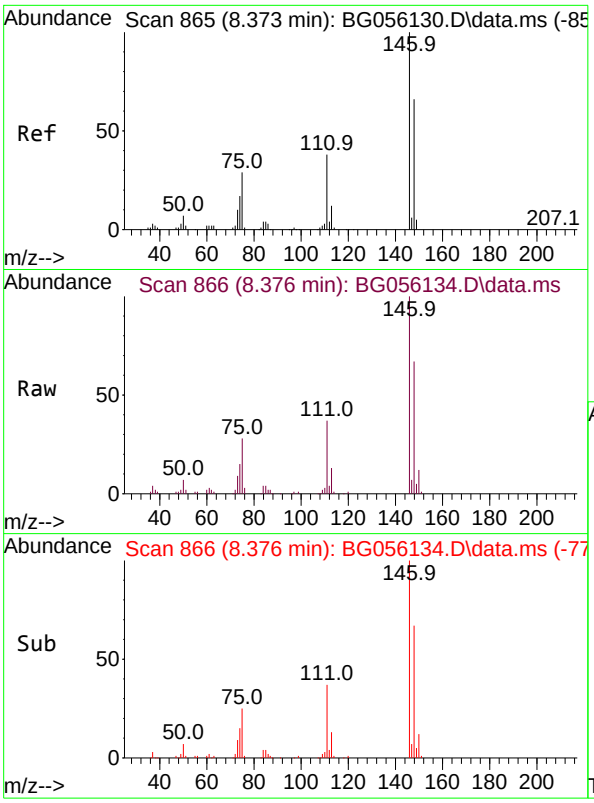


#12
1,3-Dichlorobenzene
Concen: 40.105 ng
RT: 8.224 min Scan# 840
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:146 Resp: 109233

Ion	Ratio	Lower	Upper
146	100		
148	66.7	53.5	80.3
75	29.3	24.8	37.2

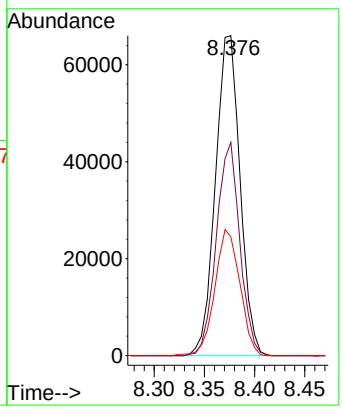




#13
1,4-Dichlorobenzene
Concen: 41.260 ng
RT: 8.376 min Scan# 8
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:146 Resp: 11284

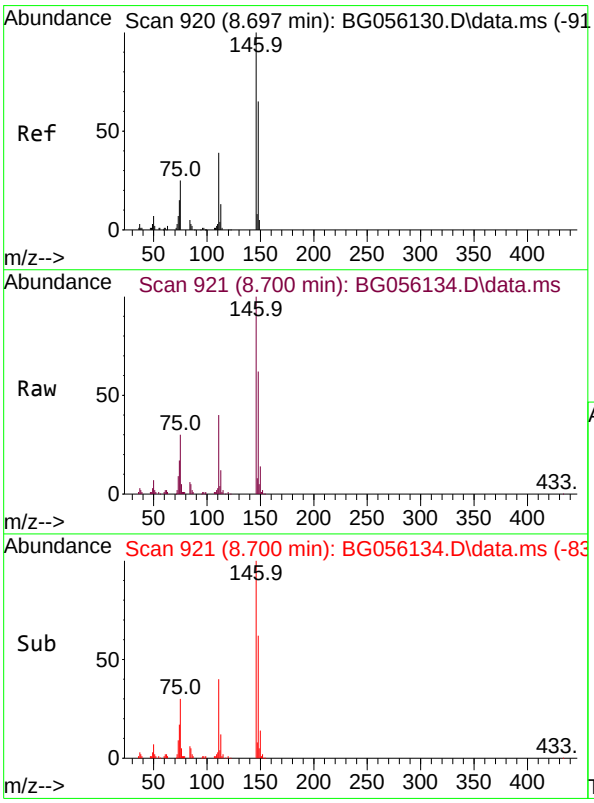
Ion	Ratio	Lower	Upper
146	100		
148	66.6	52.8	79.2
111	37.2	30.5	45.7



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

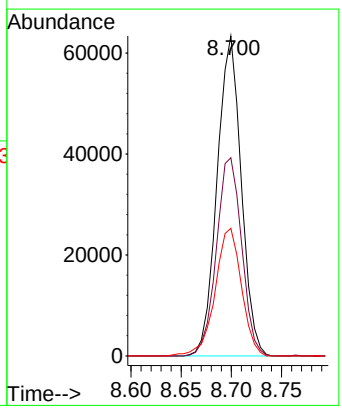
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

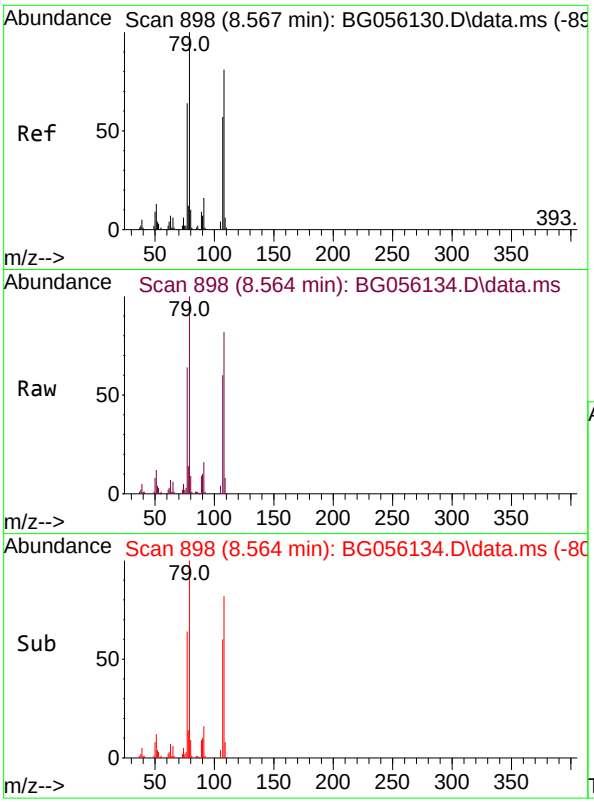


#14
1,2-Dichlorobenzene
Concen: 40.147 ng
RT: 8.700 min Scan# 921
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:146 Resp: 105950

Ion	Ratio	Lower	Upper
146	100		
148	61.9	51.7	77.5
111	39.9	31.5	47.3





#15
Benzyl Alcohol
Concen: 40.968 ng
RT: 8.564 min Scan# 89
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

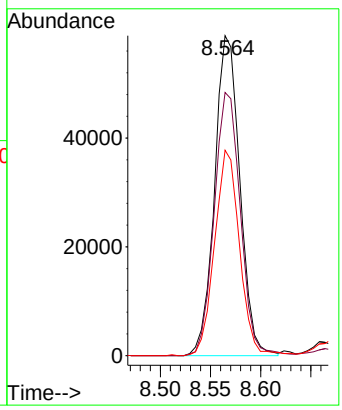
Tgt Ion: 79 Resp: 10297

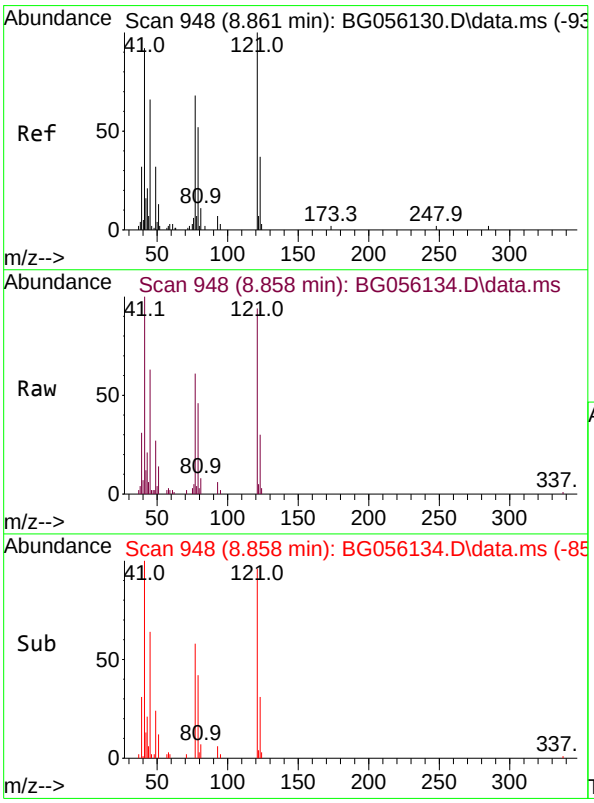
Ion	Ratio	Lower	Upper
79	100		
108	82.2	64.7	97.1
77	64.2	51.5	77.3

Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

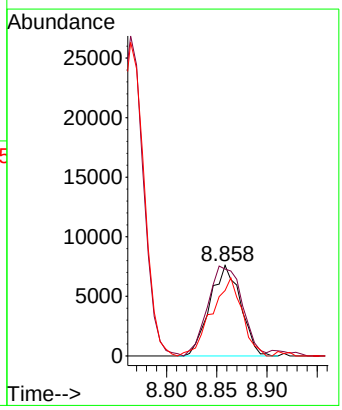


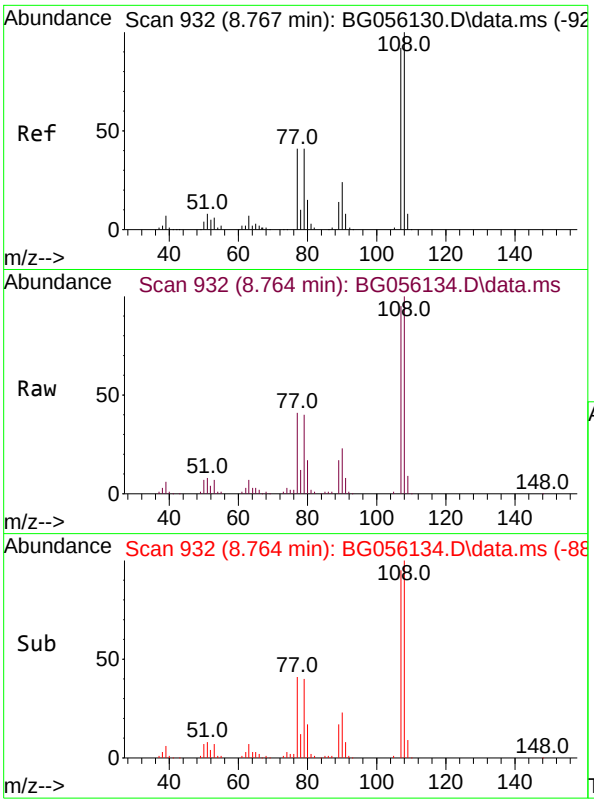


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.611 ng
RT: 8.858 min Scan# 948
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 45 Resp: 16195

Ion	Ratio	Lower	Upper
45	100		
77	96.0	88.2	128.2
79	72.3	61.2	101.2

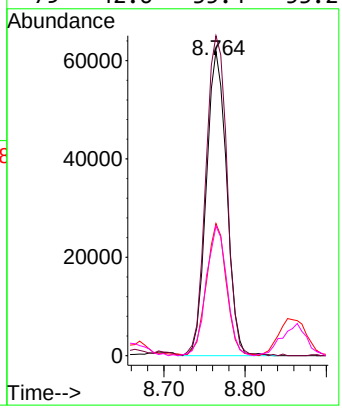




#17
2-Methylphenol
Concen: 42.001 ng
RT: 8.764 min Scan# 9
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:107 Resp: 10794

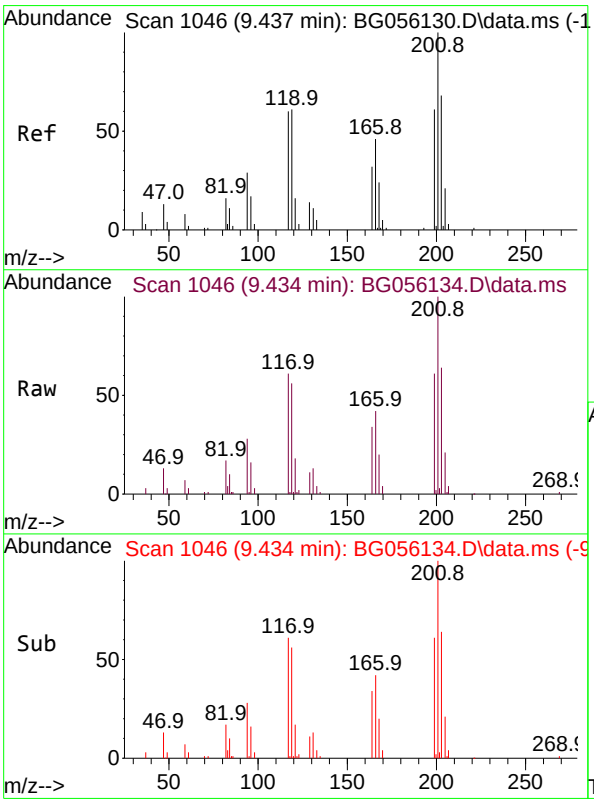
Ion	Ratio	Lower	Upper
107	100		
108	105.2	86.6	129.8
77	43.4	35.4	53.2
79	42.6	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

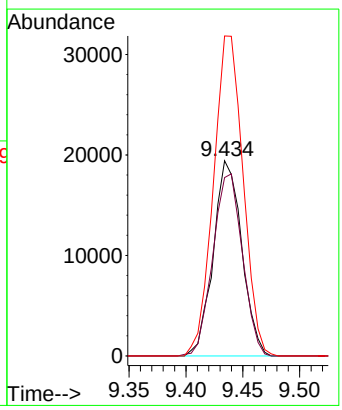
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

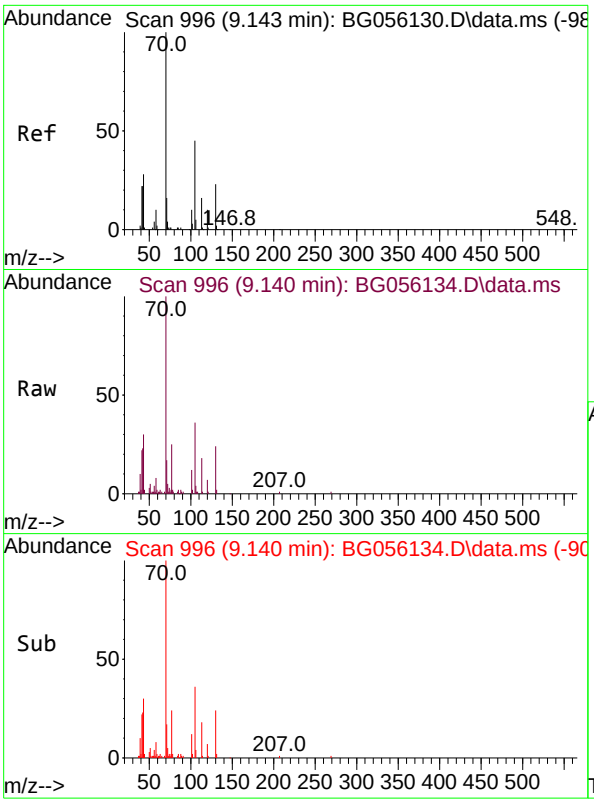


#18
Hexachloroethane
Concen: 40.766 ng
RT: 9.434 min Scan# 1046
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:117 Resp: 33871

Ion	Ratio	Lower	Upper
117	100		
119	91.4	81.8	122.6
201	168.3	134.2	201.2

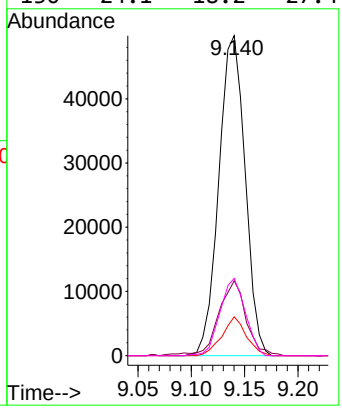




#19
n-Nitroso-di-n-propylamine
Concen: 40.703 ng
RT: 9.140 min Scan# 99
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 70 Resp: 8548

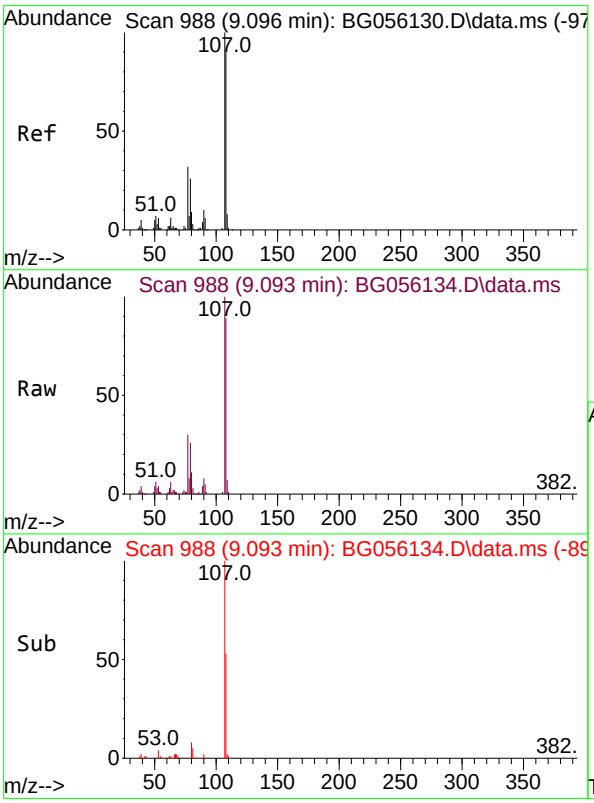
Ion	Ratio	Lower	Upper
70	100		
42	23.4	18.2	27.2
101	12.1	8.3	12.5
130	24.1	18.2	27.4



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

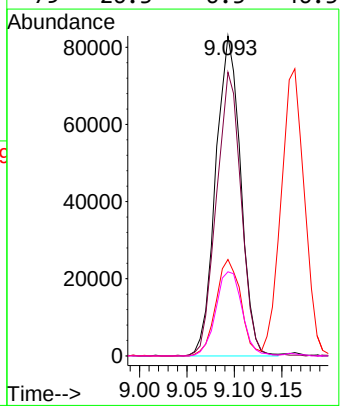
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

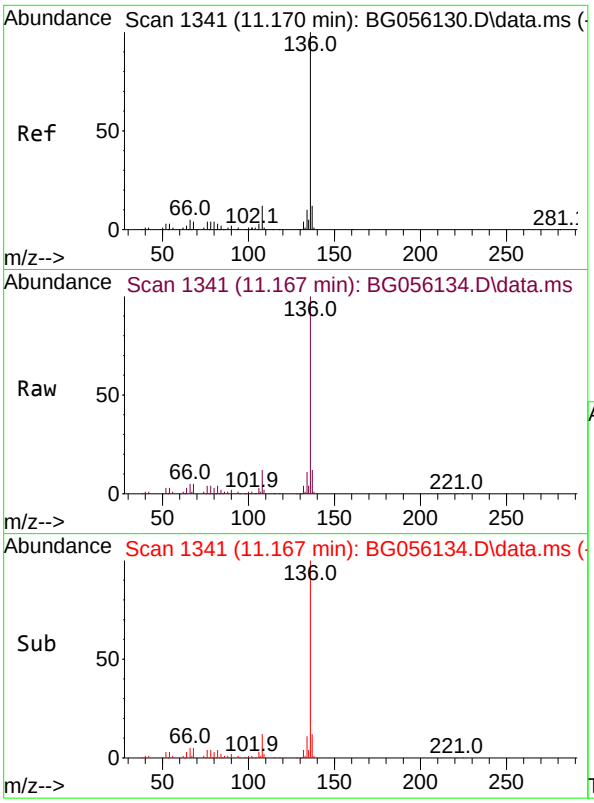


#20
3+4-Methylphenols
Concen: 41.931 ng
RT: 9.093 min Scan# 988
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:107 Resp: 151509

Ion	Ratio	Lower	Upper
107	100		
108	88.6	69.6	109.6
77	30.1	11.7	51.7
79	26.3	6.3	46.3

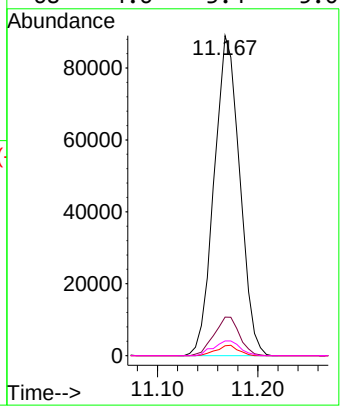




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.167 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:136 Resp: 15791

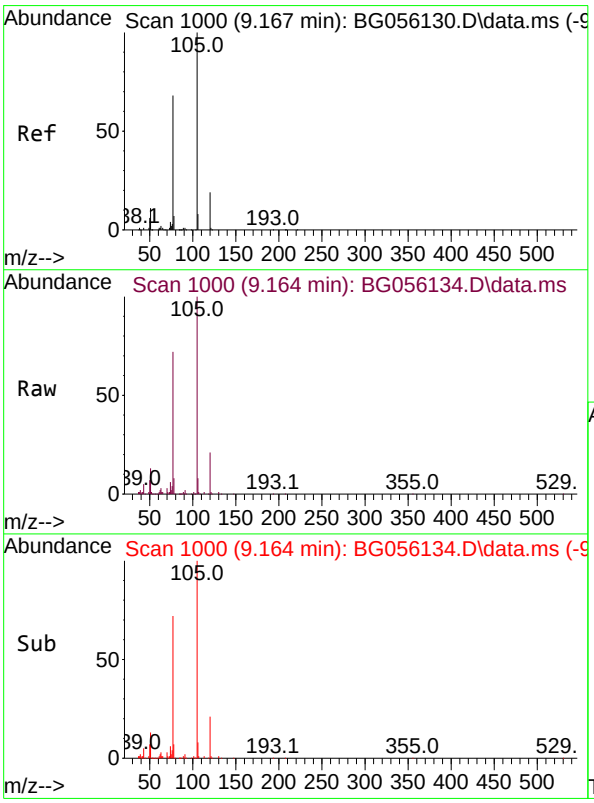
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.4	14.0
54	3.1	2.2	3.2
68	4.6	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

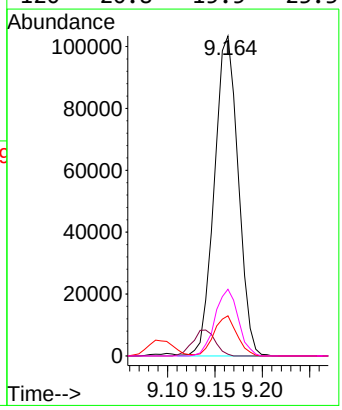
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

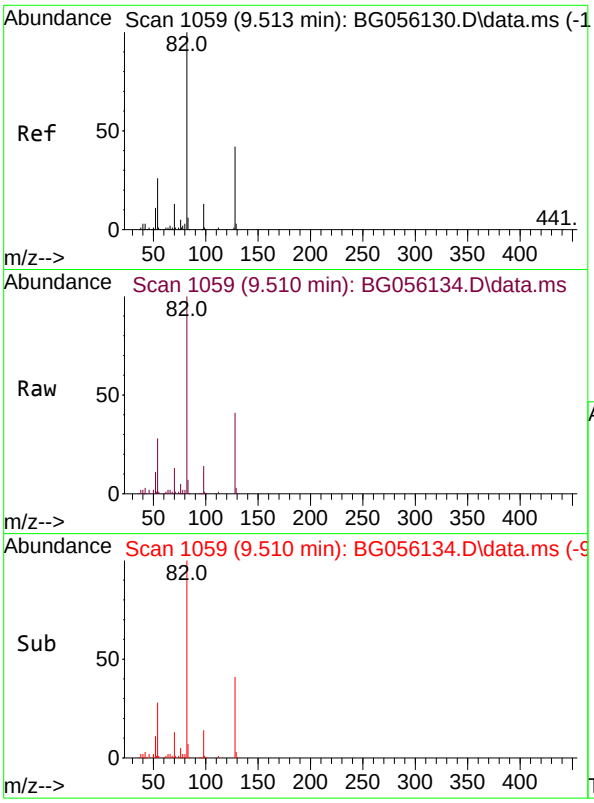


#22
Acetophenone
Concen: 40.484 ng
RT: 9.164 min Scan# 1000
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:105 Resp: 180762

Ion	Ratio	Lower	Upper
105	100		
71	0.5	0.5	0.7
51	12.5	9.3	13.9
120	20.8	15.5	23.3

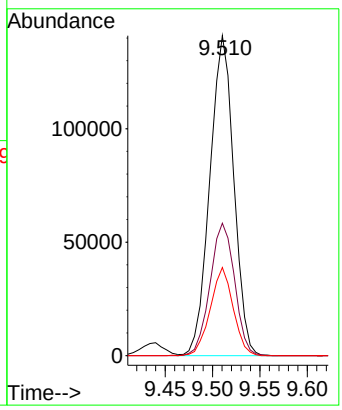




#23
Nitrobenzene-d5
Concen: 80.376 ng
RT: 9.510 min Scan# 10
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 82 Resp: 24813

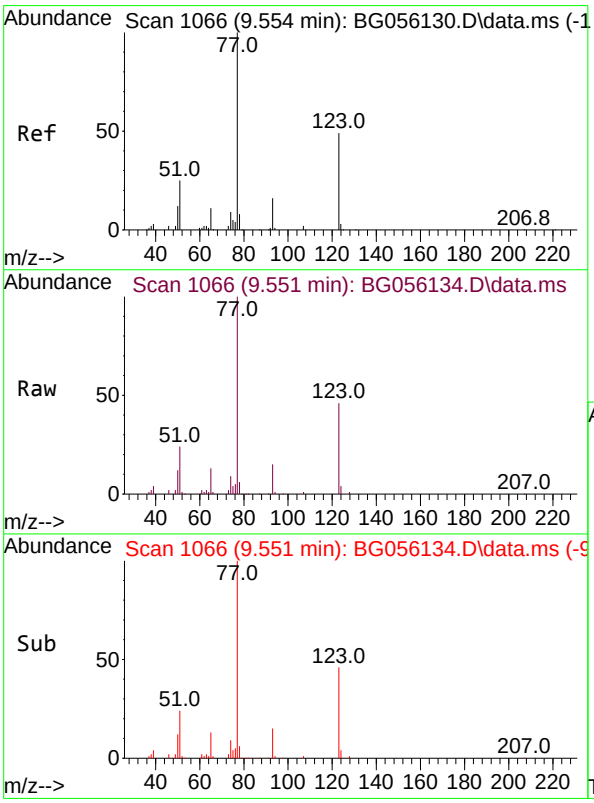
Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.4	50.2
54	27.5	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

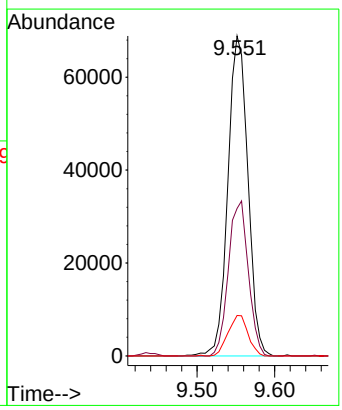
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

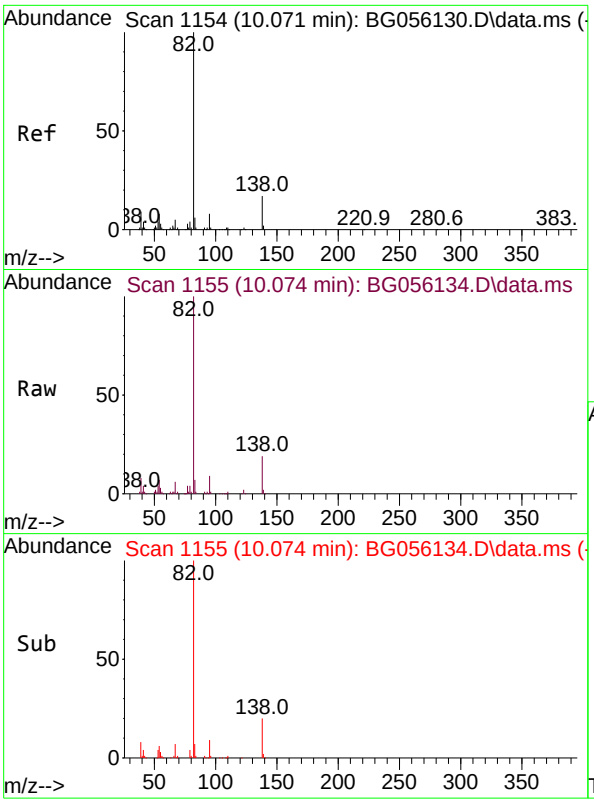


#24
Nitrobenzene
Concen: 40.357 ng
RT: 9.551 min Scan# 1066
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 77 Resp: 123466

Ion	Ratio	Lower	Upper
77	100		
123	46.1	38.8	58.2
65	12.6	9.1	13.7

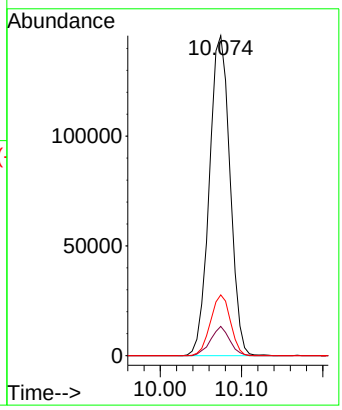




#25
Isophorone
Concen: 39.682 ng
RT: 10.074 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 82 Resp: 25775

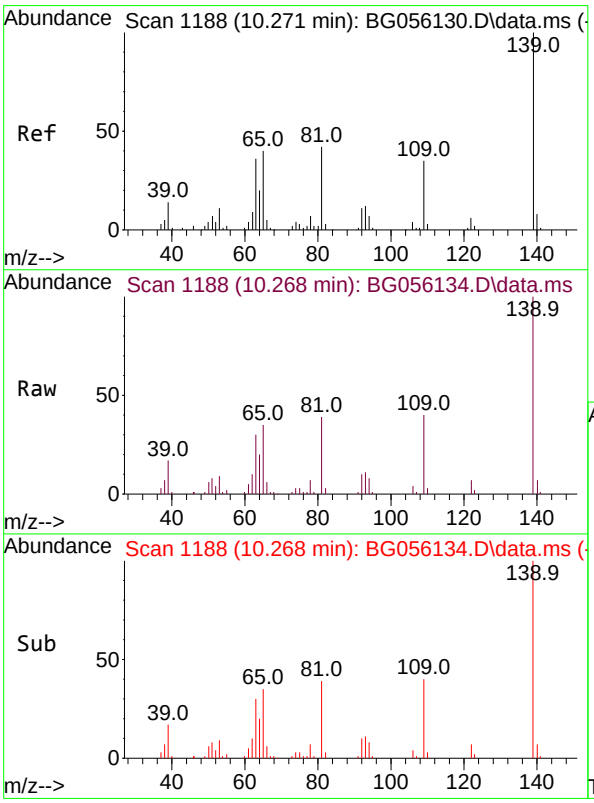
Ion	Ratio	Lower	Upper
82	100		
95	9.1	6.7	10.1
138	19.0	13.7	20.5



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

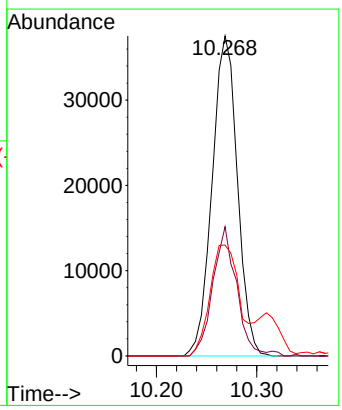
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

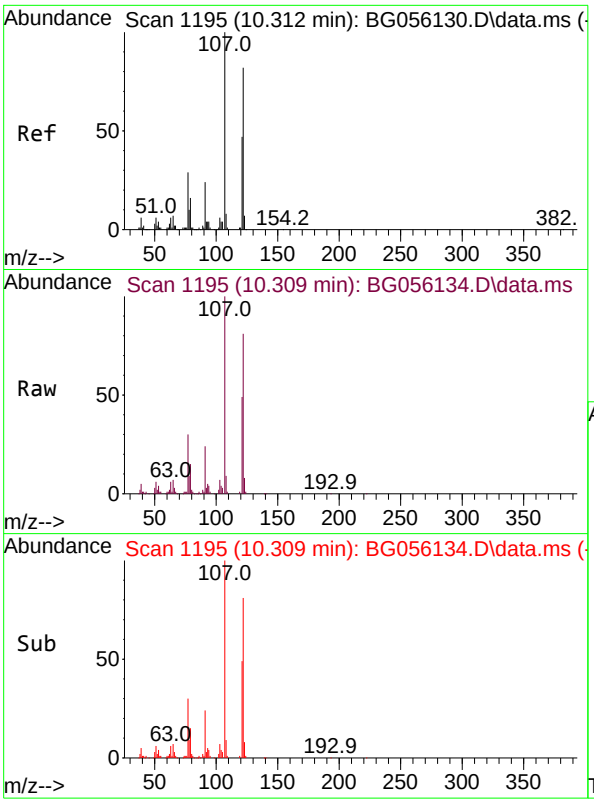


#26
2-Nitrophenol
Concen: 41.974 ng
RT: 10.268 min Scan# 1188
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:139 Resp: 65703

Ion	Ratio	Lower	Upper
139	100		
109	40.4	28.4	42.6
65	34.6	32.1	48.1

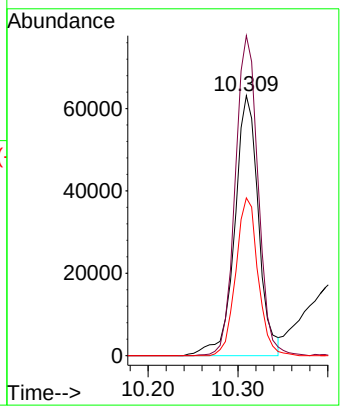




#27
2,4-Dimethylphenol
Concen: 40.598 ng
RT: 10.309 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:122 Resp: 115908

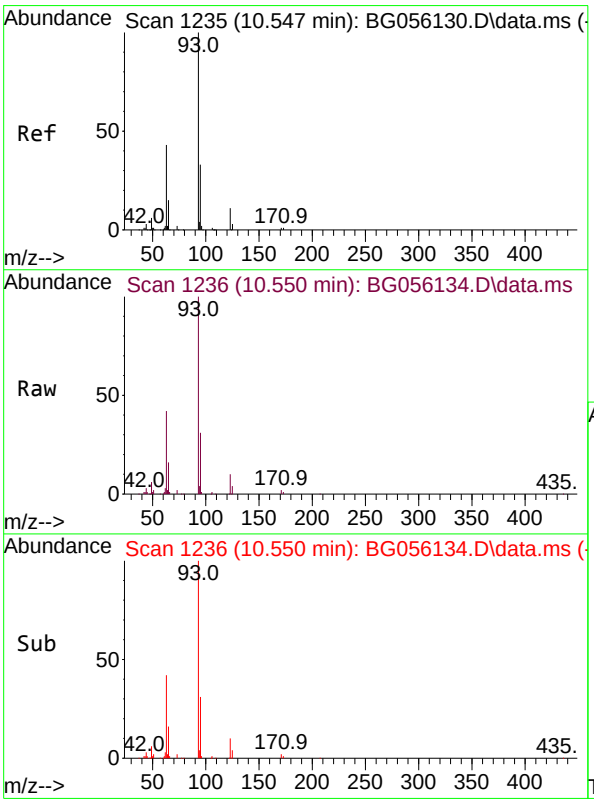
Ion	Ratio	Lower	Upper
122	100		
107	123.1	97.5	146.3
121	60.6	45.9	68.9



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

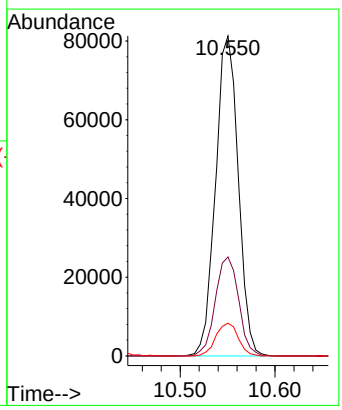
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

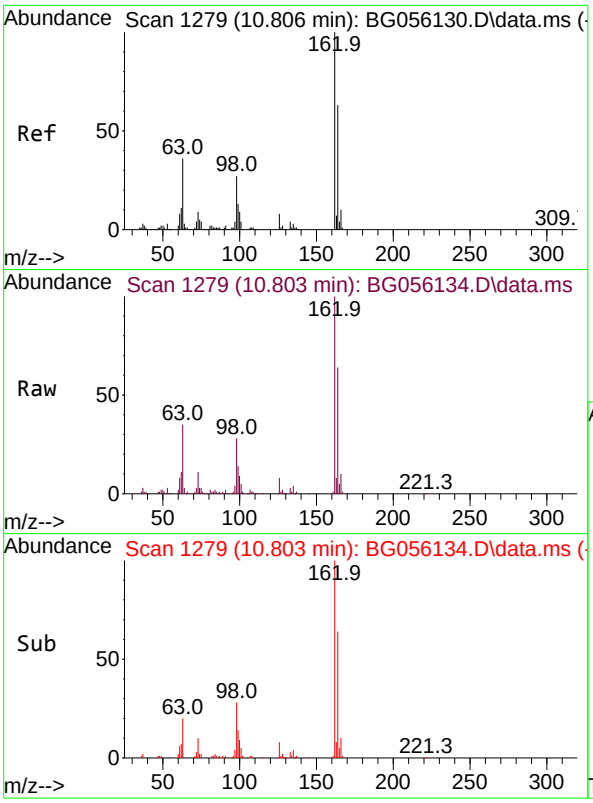


#28
bis(2-Chloroethoxy)methane
Concen: 39.971 ng
RT: 10.550 min Scan# 1236
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 93 Resp: 134940

Ion	Ratio	Lower	Upper
93	100		
95	30.9	26.2	39.2
123	10.2	9.0	13.6

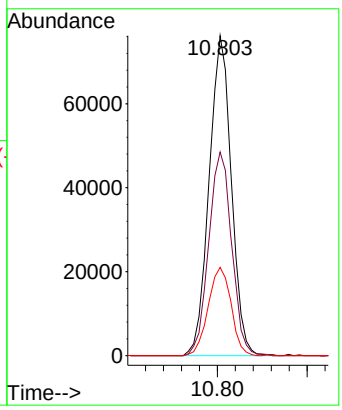




#29
2,4-Dichlorophenol
Concen: 41.547 ng
RT: 10.803 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:162 Resp: 13114

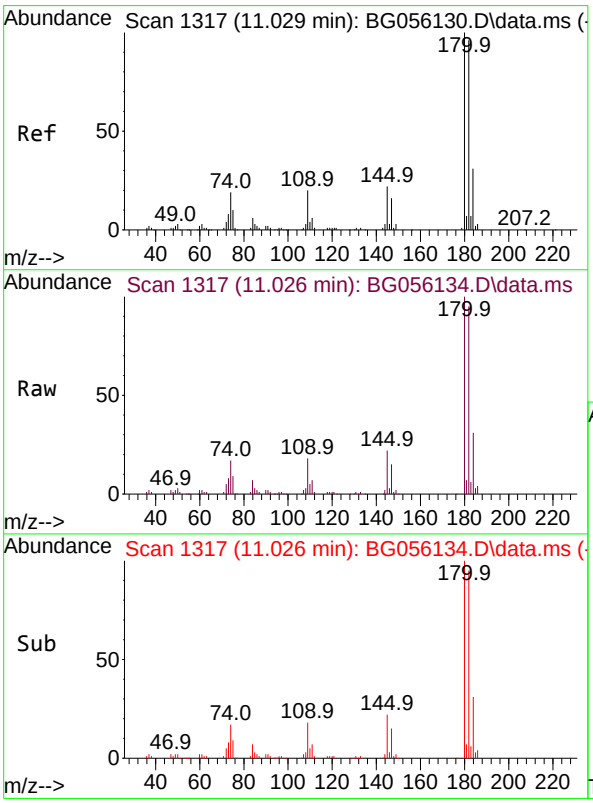
Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.3	83.3
98	27.6	6.8	46.8



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

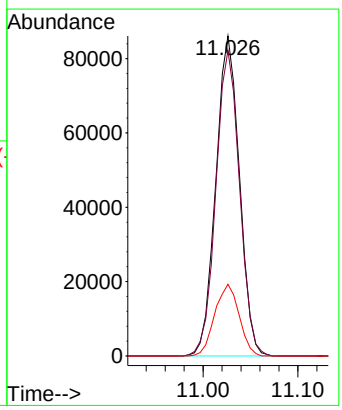
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

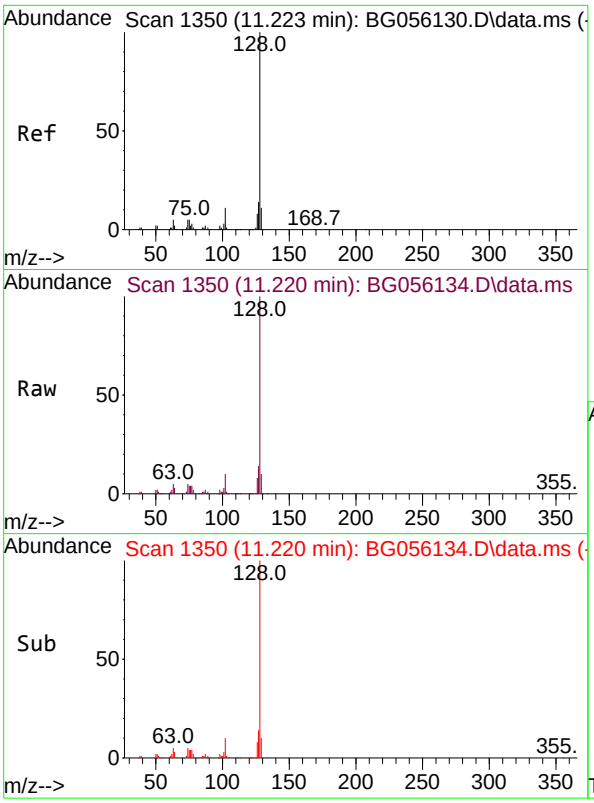


#30
1,2,4-Trichlorobenzene
Concen: 41.538 ng
RT: 11.026 min Scan# 1317
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:180 Resp: 148784

Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.0	115.4
145	22.4	17.4	26.2

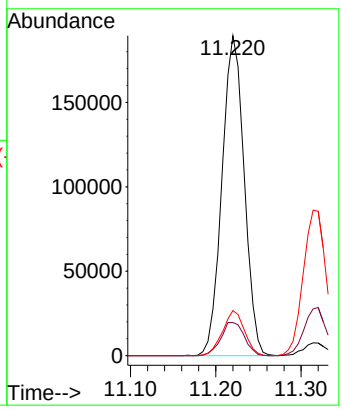




#31
Naphthalene
Concen: 41.269 ng
RT: 11.220 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:128 Resp: 34297

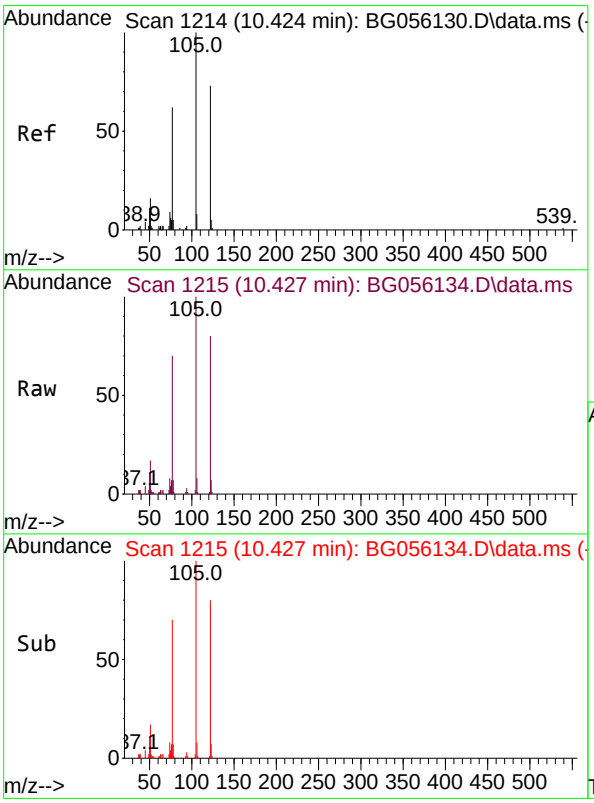
Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.9	13.3
127	14.1	11.2	16.8



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

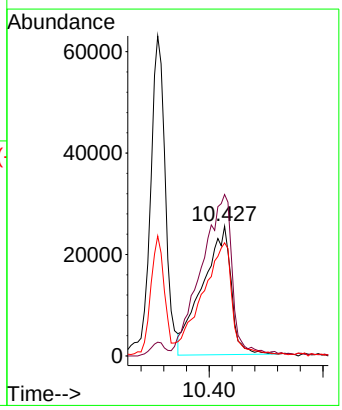
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

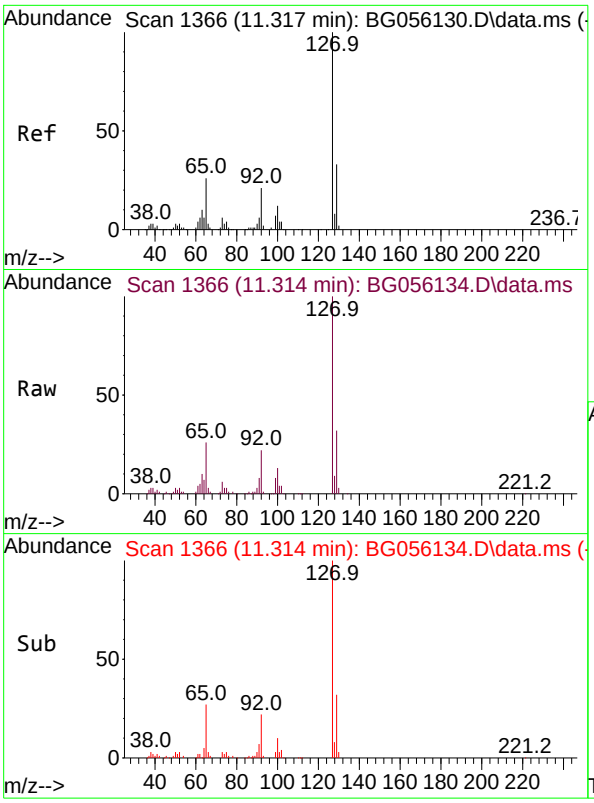


#32
Benzoic acid
Concen: 41.809 ng
RT: 10.427 min Scan# 1215
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:122 Resp: 88566

Ion	Ratio	Lower	Upper
122	100		
105	124.4	109.0	149.0
77	87.2	63.1	103.1

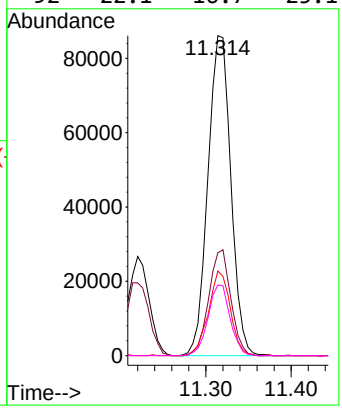




#33
4-Chloroaniline
Concen: 40.590 ng
RT: 11.314 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:127 Resp: 16105

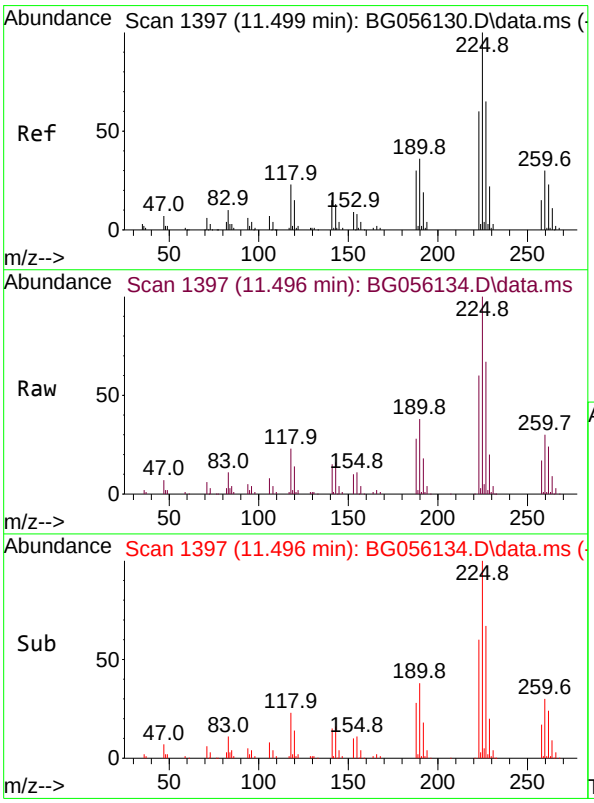
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.1	39.1
65	26.4	20.9	31.3
92	22.1	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

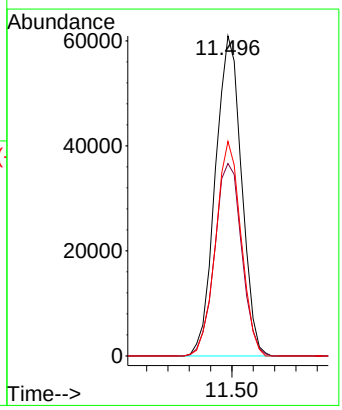
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

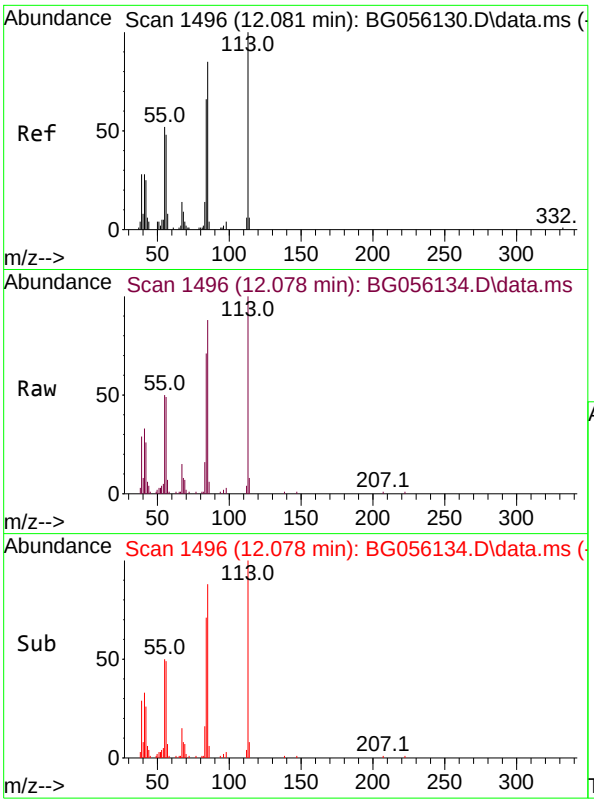


#34
Hexachlorobutadiene
Concen: 40.379 ng
RT: 11.496 min Scan# 1397
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:225 Resp: 104023

Ion	Ratio	Lower	Upper
225	100		
223	60.1	47.7	71.5
227	67.0	52.3	78.5





#35
Caprolactam
Concen: 42.755 ng
RT: 12.078 min Scan# 14
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

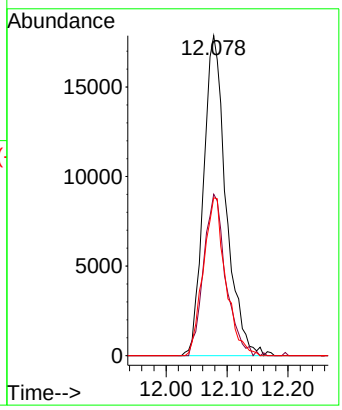
Tgt Ion:113 Resp: 4569

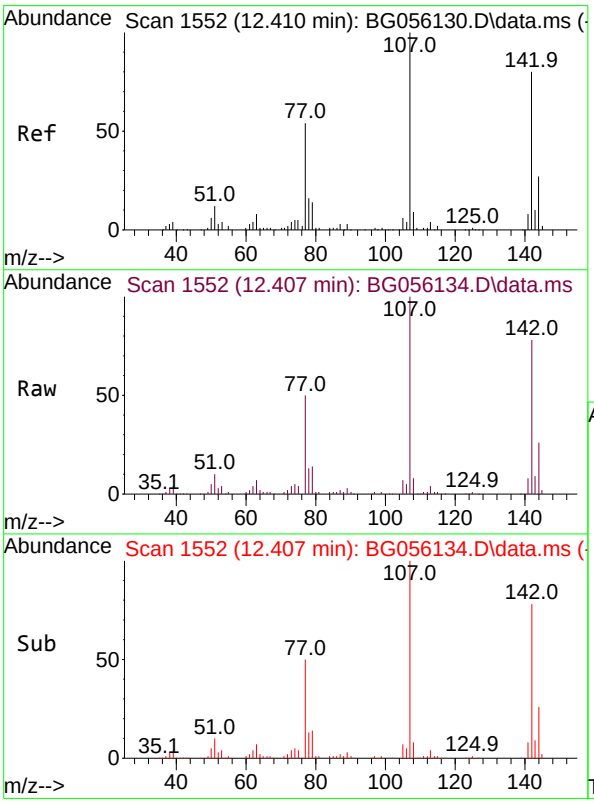
Ion	Ratio	Lower	Upper
113	100		
55	50.4	31.9	71.9
56	49.3	27.6	67.6

Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

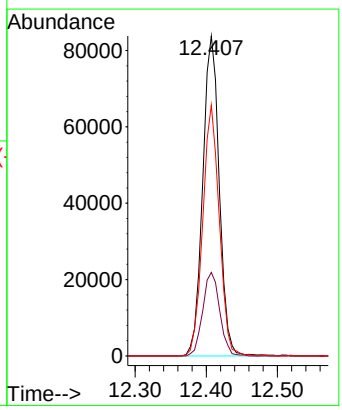


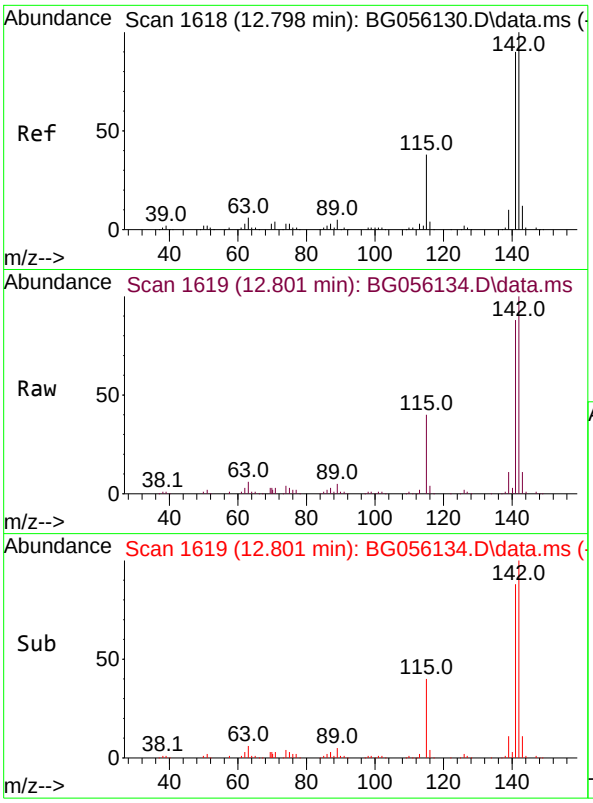


#36
4-Chloro-3-methylphenol
Concen: 42.164 ng
RT: 12.407 min Scan# 1552
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:107 Resp: 135046

Ion	Ratio	Lower	Upper
107	100		
144	26.1	21.5	32.3
142	78.4	63.8	95.6

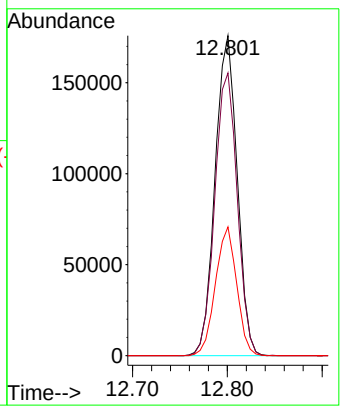




#37
2-Methylnaphthalene
Concen: 40.605 ng
RT: 12.801 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:142 Resp: 28493

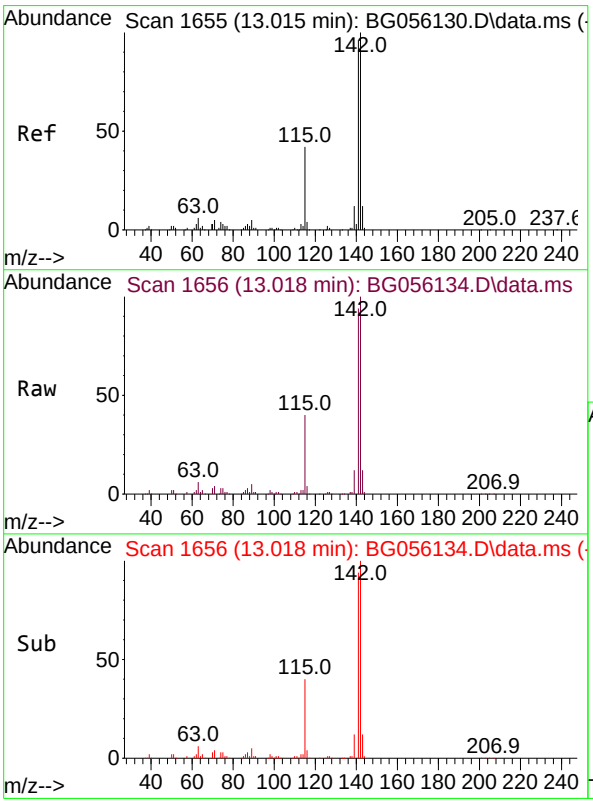
Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.2	108.4
115	40.2	30.7	46.1



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

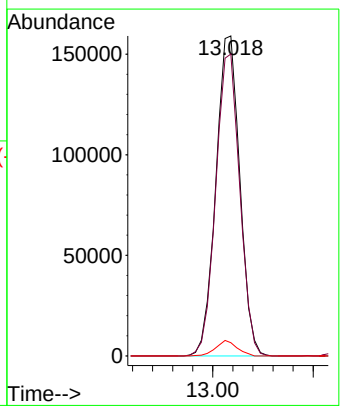
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

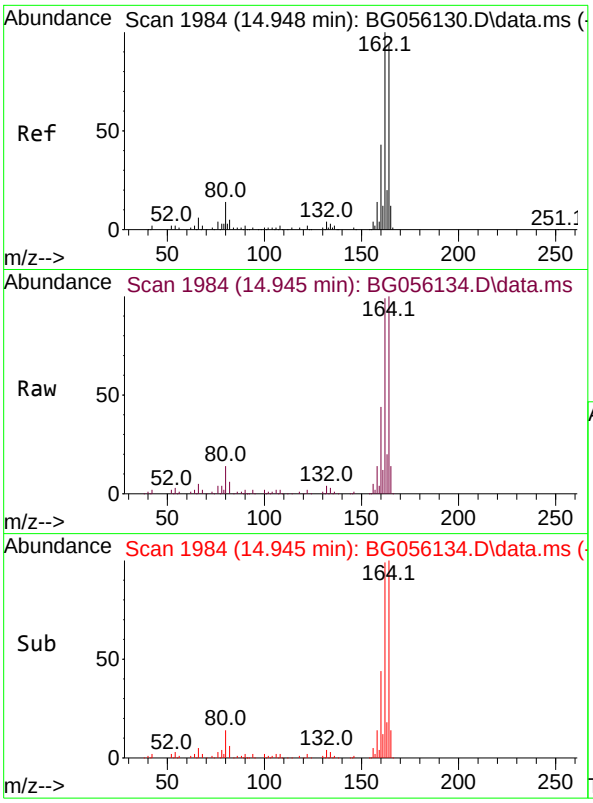


#38
1-Methylnaphthalene
Concen: 40.438 ng
RT: 13.018 min Scan# 1656
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:142 Resp: 263507

Ion	Ratio	Lower	Upper
142	100		
141	94.3	77.0	115.6
116	4.1	3.6	5.4

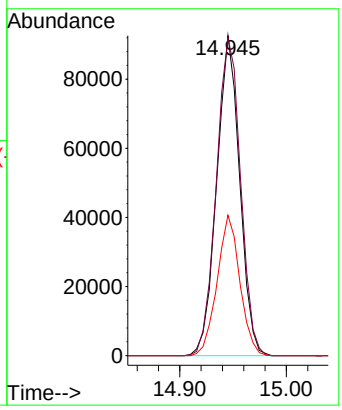




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.945 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:164 Resp: 13847

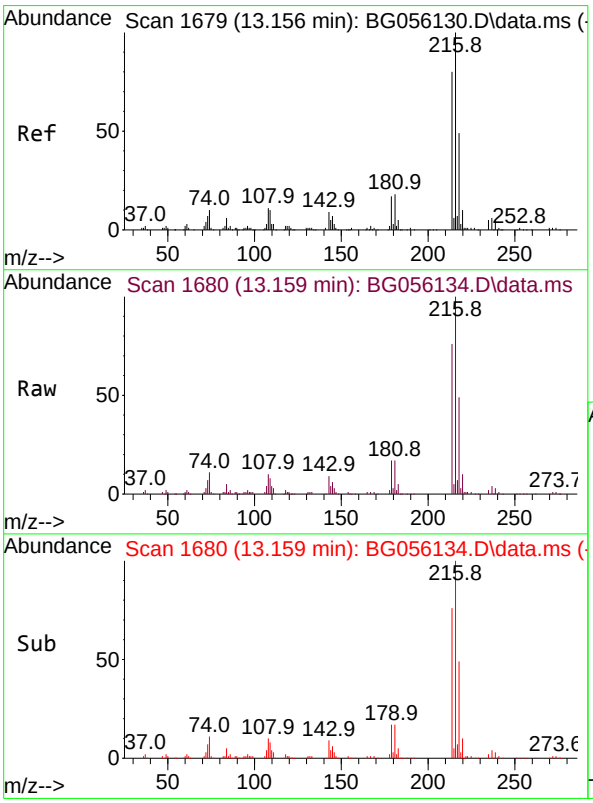
Ion	Ratio	Lower	Upper
164	100		
162	99.4	84.7	127.1
160	43.9	36.3	54.5



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

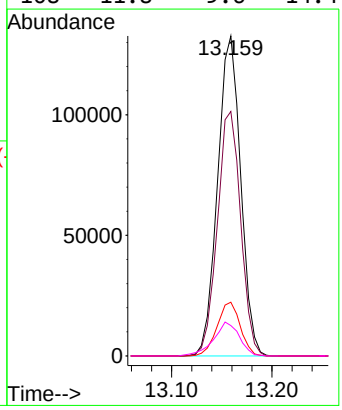
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

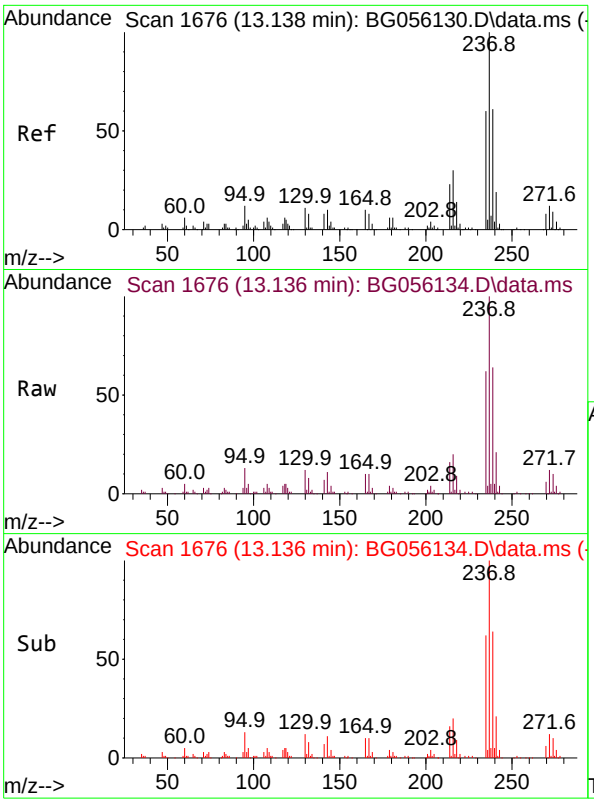


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.888 ng
RT: 13.159 min Scan# 1680
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:216 Resp: 212209

Ion	Ratio	Lower	Upper
216	100		
214	77.2	63.4	95.0
179	16.8	13.6	20.4
108	11.8	9.6	14.4

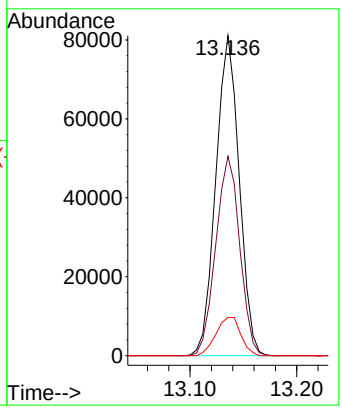




#41
Hexachlorocyclopentadiene
Concen: 41.714 ng
RT: 13.136 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:237 Resp: 12342

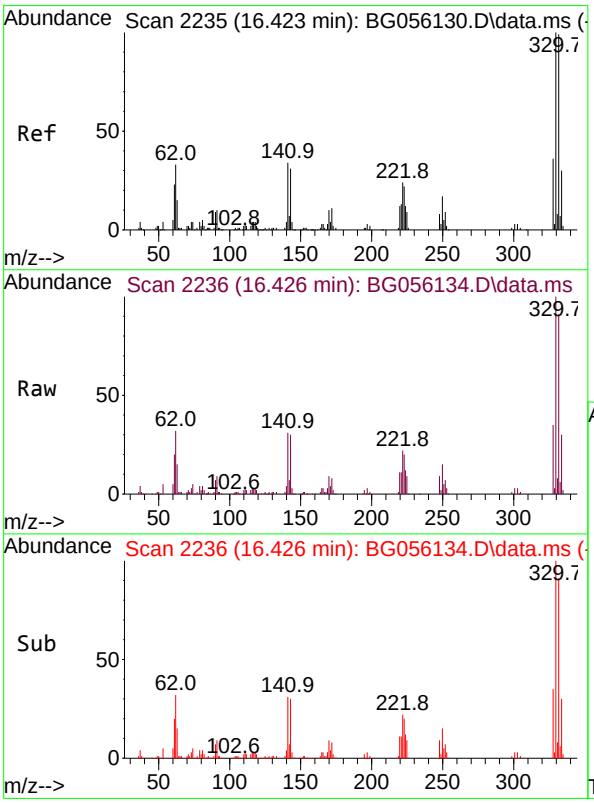
Ion	Ratio	Lower	Upper
237	100		
235	62.3	40.3	80.3
272	11.9	0.0	32.5



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

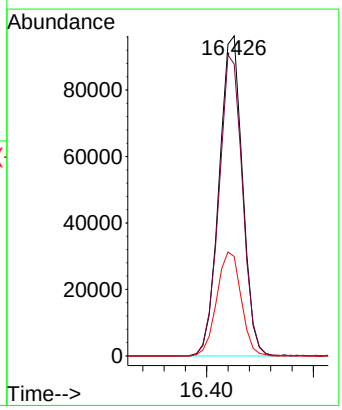
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

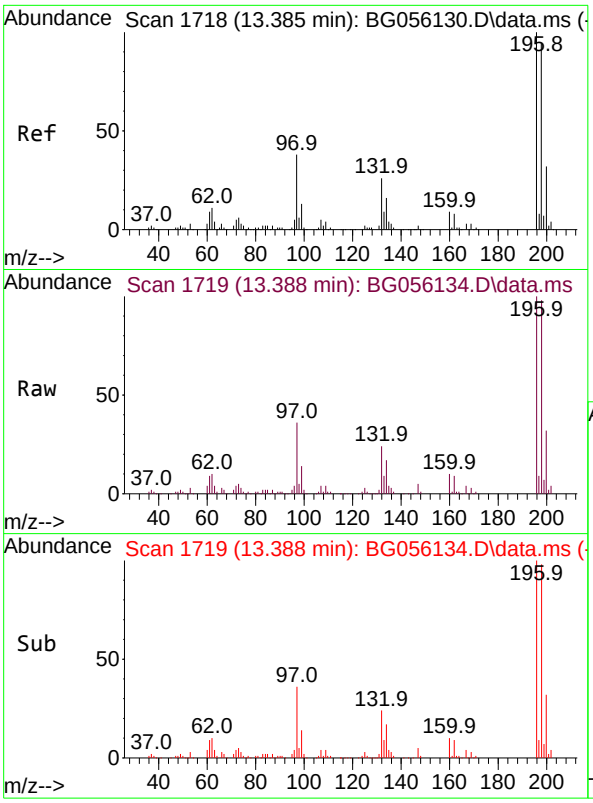


#42
2,4,6-Tribromophenol
Concen: 83.440 ng
RT: 16.426 min Scan# 2236
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:330 Resp: 146333

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.3	115.9
141	33.9	27.9	41.9

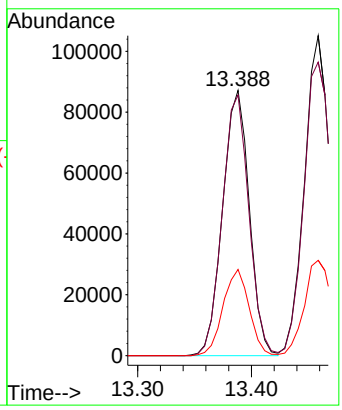




#43
2,4,6-Trichlorophenol
Concen: 41.419 ng
RT: 13.388 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:196 Resp: 14214

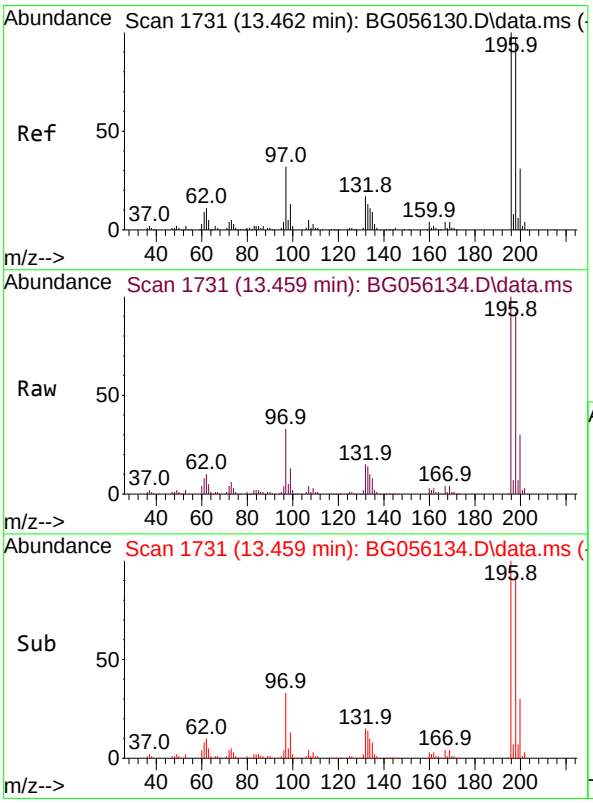
Ion	Ratio	Lower	Upper
196	100		
198	98.3	75.5	113.3
200	32.5	25.7	38.5



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

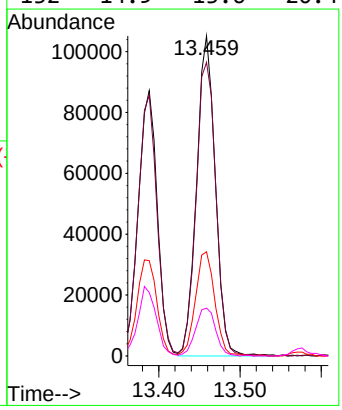
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

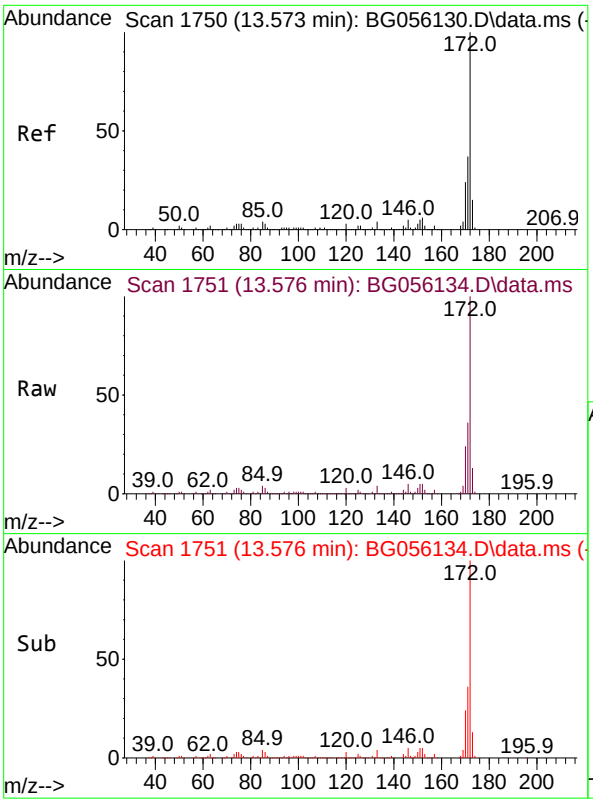


#44
2,4,5-Trichlorophenol
Concen: 41.556 ng
RT: 13.459 min Scan# 1731
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:196 Resp: 168703

Ion	Ratio	Lower	Upper
196	100		
198	91.7	78.0	117.0
97	32.5	25.7	38.5
132	14.9	13.6	20.4

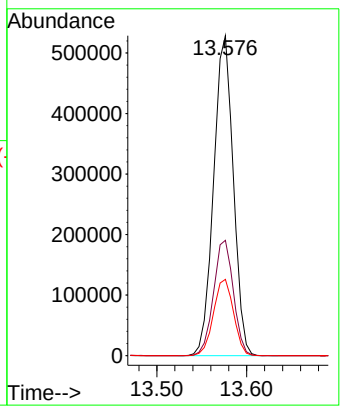




#45
2-Fluorobiphenyl
Concen: 80.357 ng
RT: 13.576 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:172 Resp: 80580

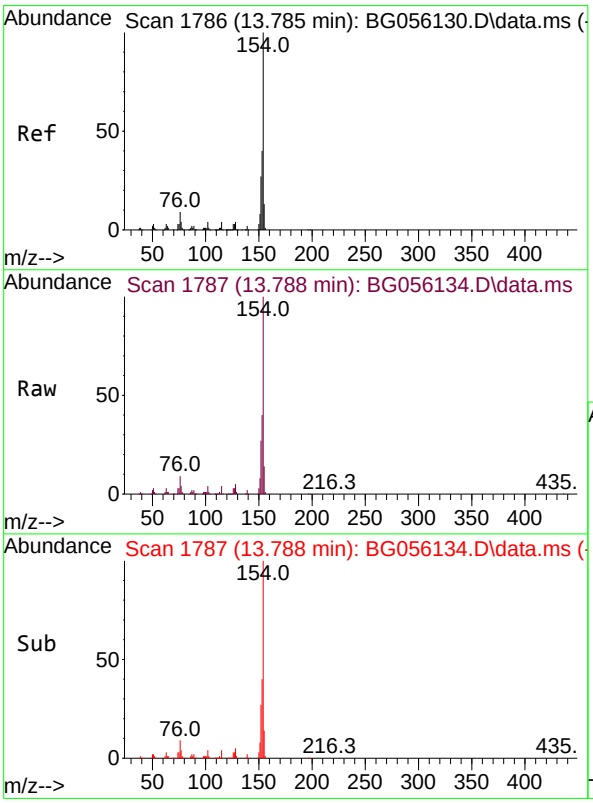
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.8	19.4	29.2



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

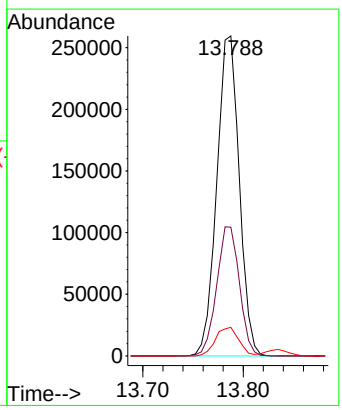
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

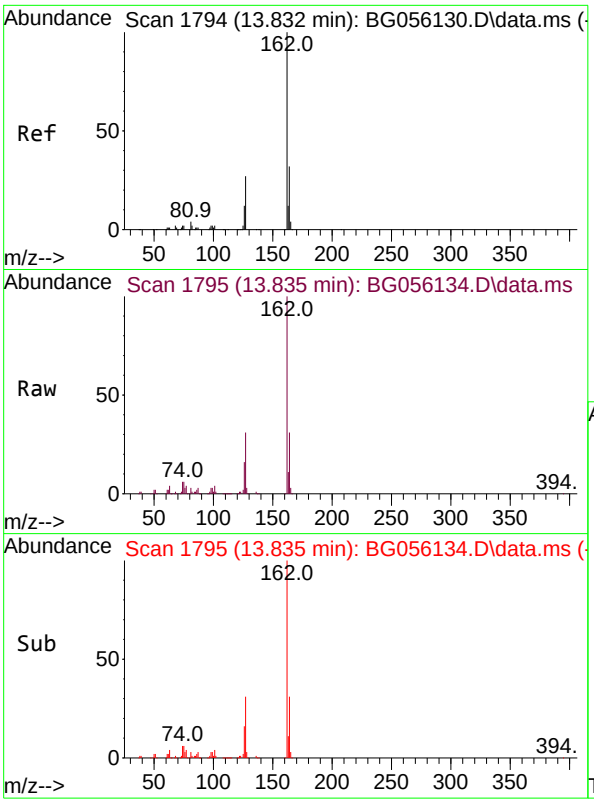


#46
1,1'-Biphenyl
Concen: 40.745 ng
RT: 13.788 min Scan# 1787
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:154 Resp: 404074

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.0	60.0
76	8.9	0.0	29.3

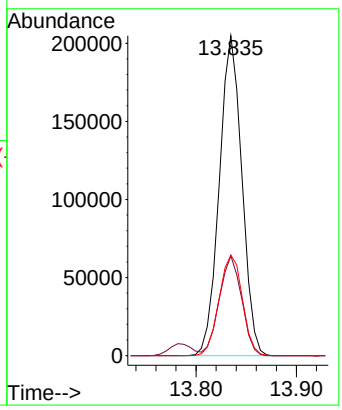




#47
2-Chloronaphthalene
Concen: 40.951 ng
RT: 13.835 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:162 Resp: 32055

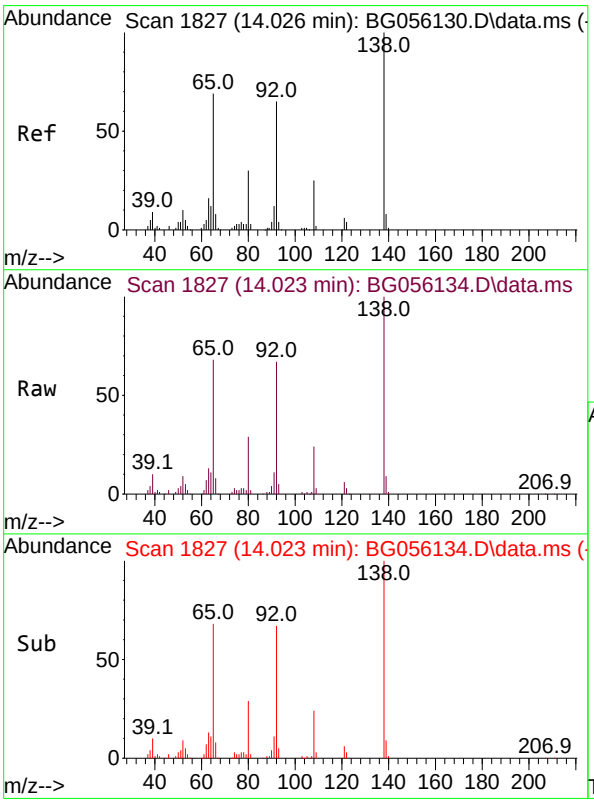
Ion	Ratio	Lower	Upper
162	100		
127	31.2	24.6	36.8
164	31.4	25.8	38.8



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

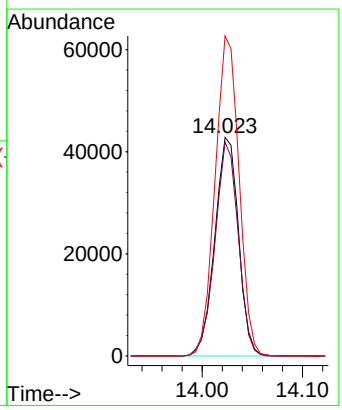
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

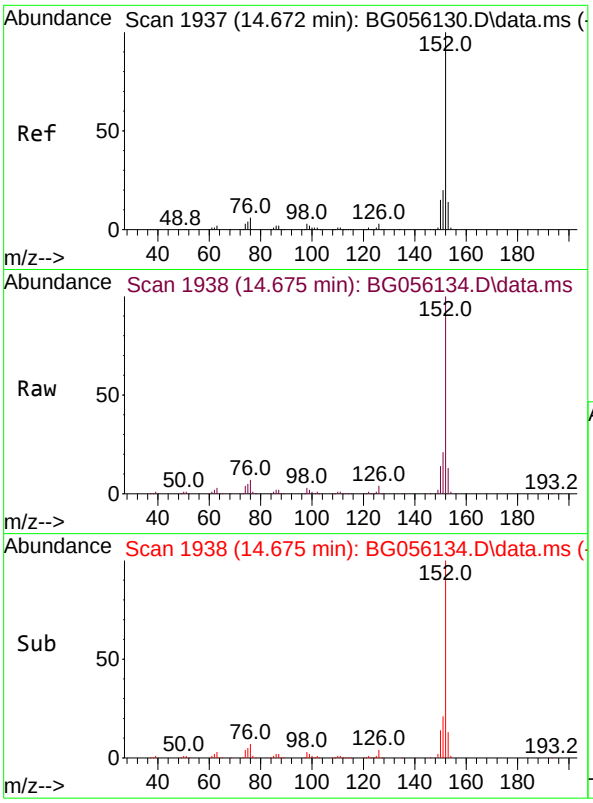


#48
2-Nitroaniline
Concen: 42.149 ng
RT: 14.023 min Scan# 1827
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 65 Resp: 70295

Ion	Ratio	Lower	Upper
65	100		
92	97.8	76.0	114.0
138	146.5	116.6	174.8

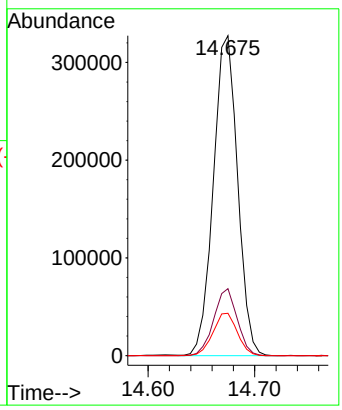




#49
Acenaphthylene
Concen: 40.686 ng
RT: 14.675 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:152 Resp: 51826

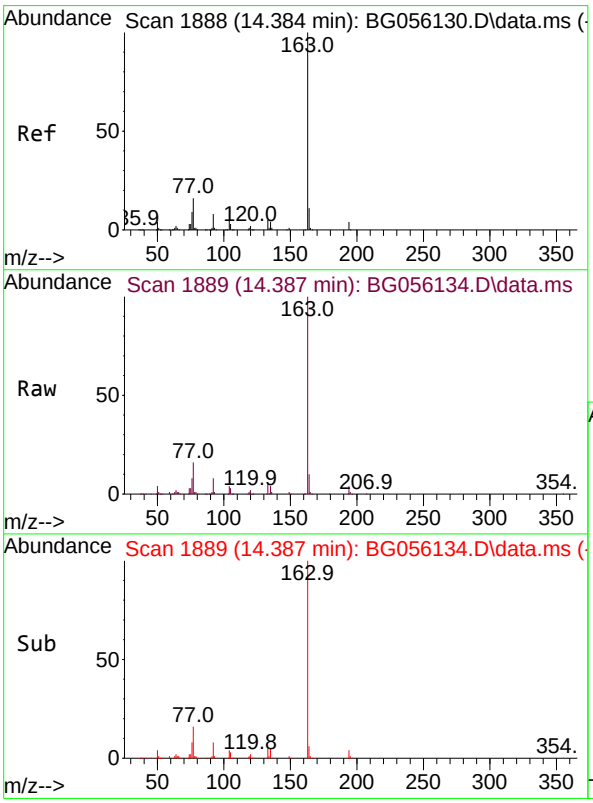
Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.0	24.0
153	13.2	11.0	16.6



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

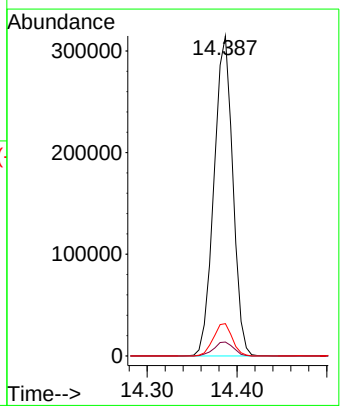
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

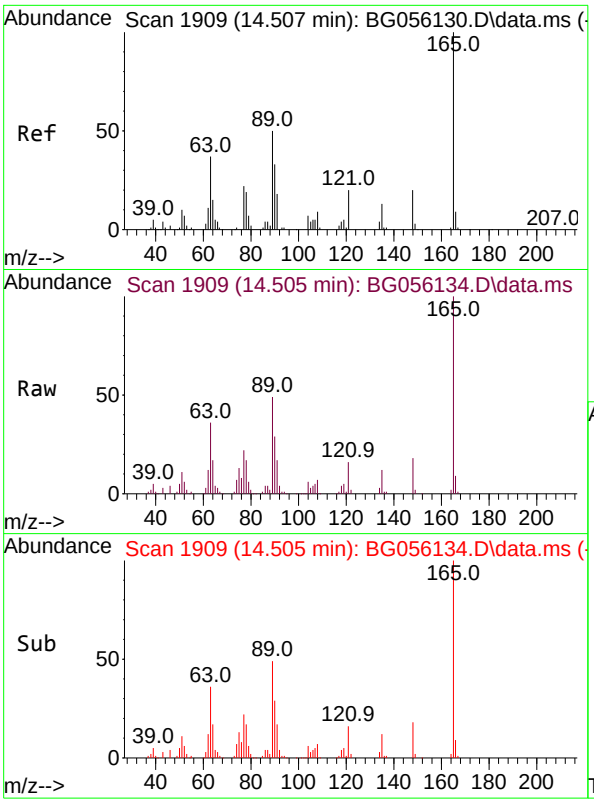


#50
Dimethylphthalate
Concen: 40.982 ng
RT: 14.387 min Scan# 1889
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:163 Resp: 458120

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.1	8.7	13.1

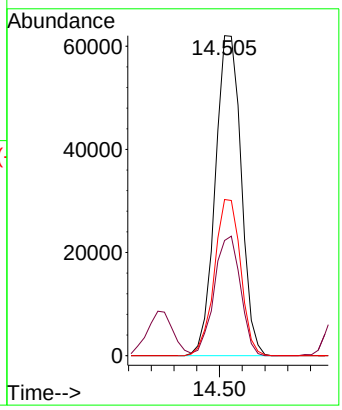




#51
2,6-Dinitrotoluene
Concen: 41.114 ng
RT: 14.505 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:165 Resp: 97931

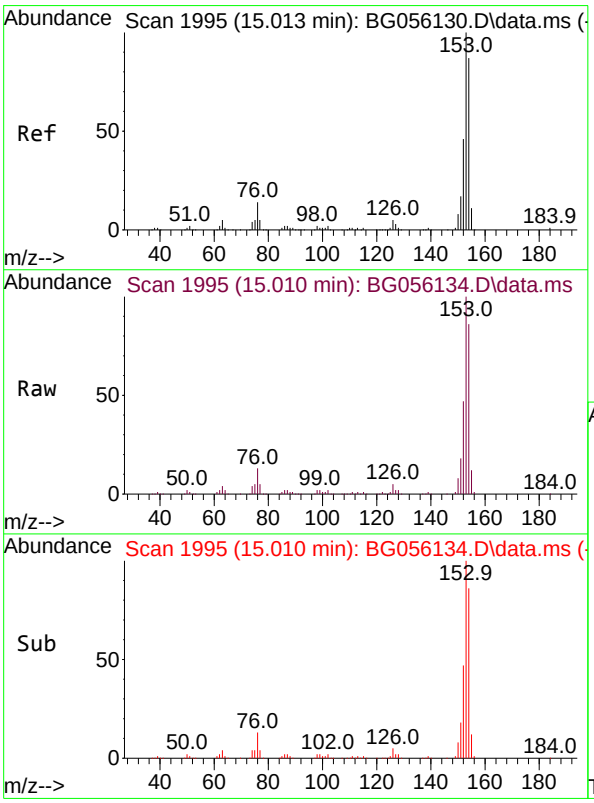
Ion	Ratio	Lower	Upper
165	100		
63	36.0	32.2	48.2
89	48.8	39.8	59.8



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

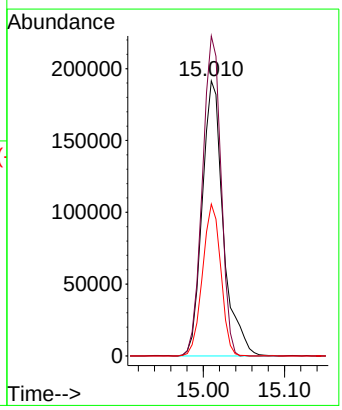
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

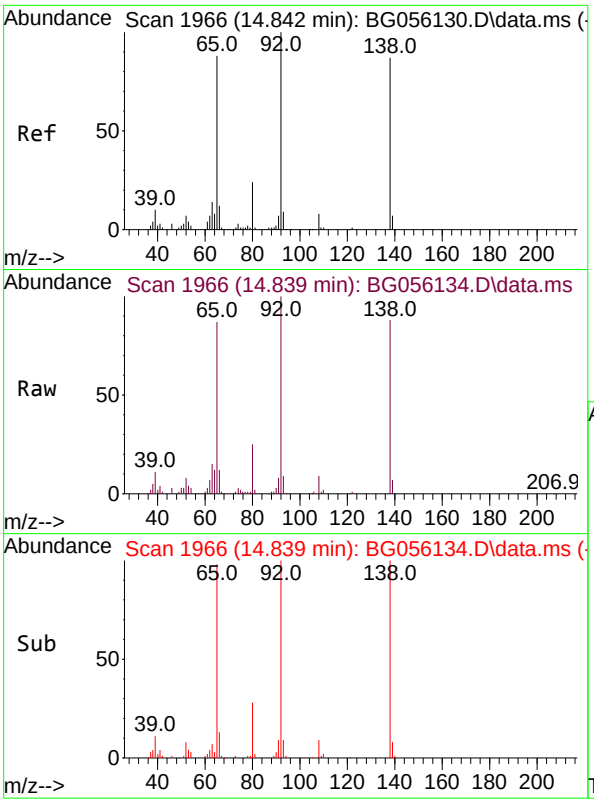


#52
Acenaphthene
Concen: 41.654 ng
RT: 15.010 min Scan# 1995
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:154 Resp: 345097

Ion	Ratio	Lower	Upper
154	100		
153	116.4	92.0	138.0
152	55.2	42.5	63.7





#53
3-Nitroaniline
Concen: 42.042 ng
RT: 14.839 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

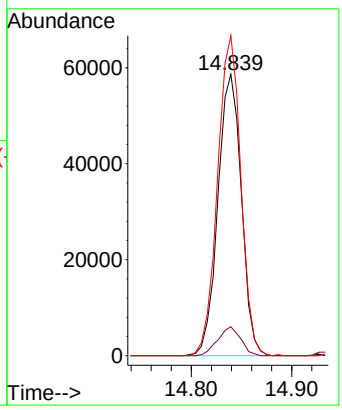
Tgt Ion:138 Resp: 9530

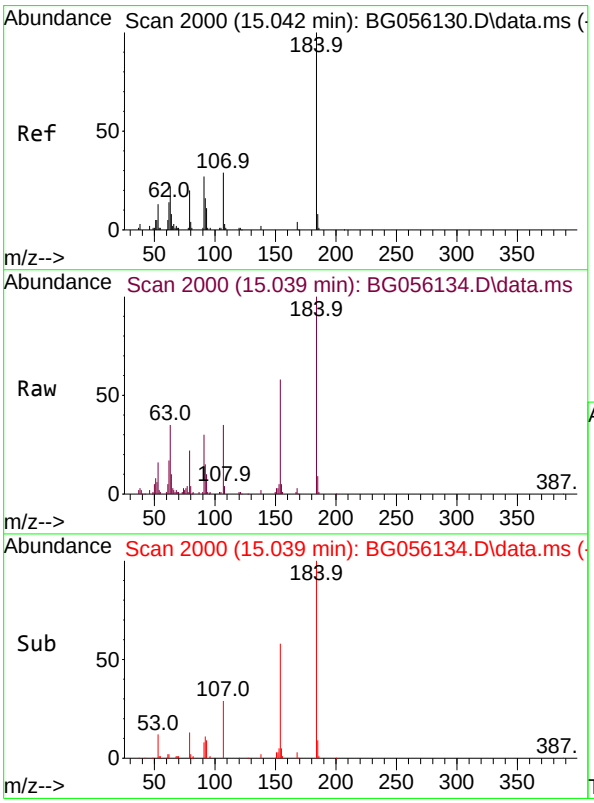
Ion	Ratio	Lower	Upper
138	100		
108	10.3	7.6	11.4
92	113.8	91.7	137.5

Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

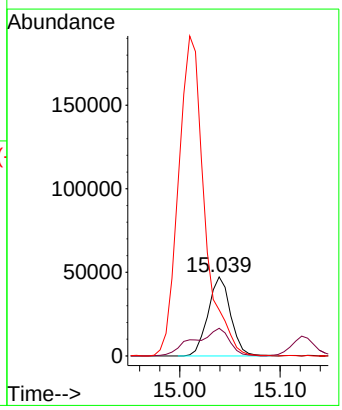


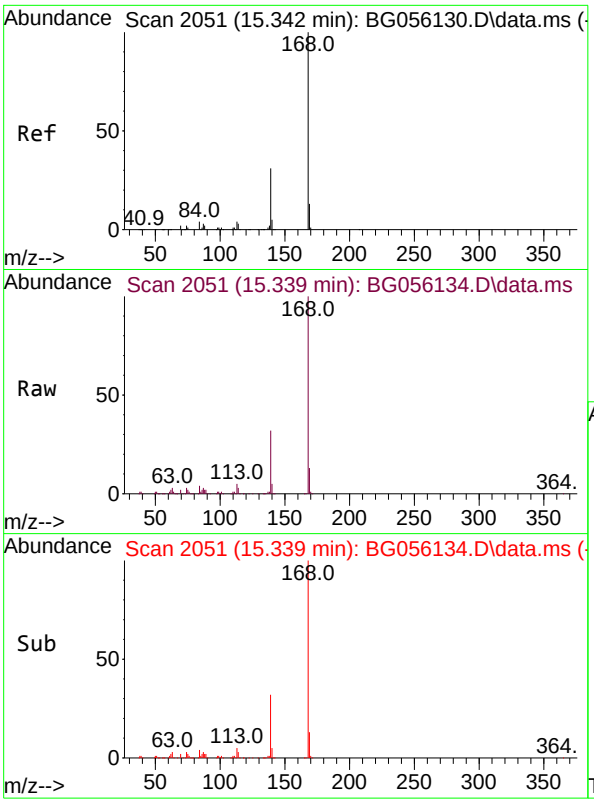


#54
2,4-Dinitrophenol
Concen: 43.334 ng
RT: 15.039 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:184 Resp: 73739

Ion	Ratio	Lower	Upper
184	100		
63	34.9	24.0	36.0
154	58.2	45.4	68.0

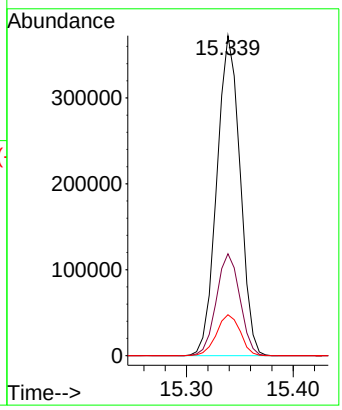




#55
Dibenzofuran
Concen: 41.180 ng
RT: 15.339 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:168 Resp: 564569

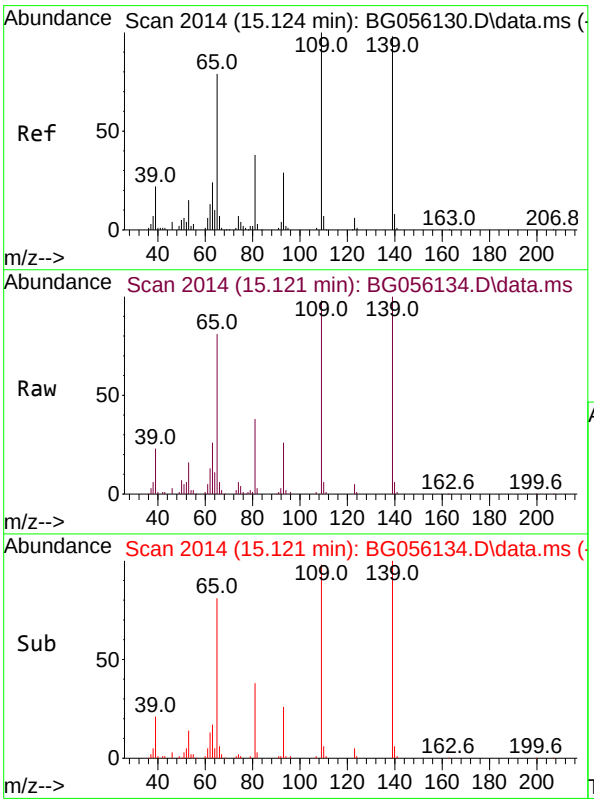
Ion	Ratio	Lower	Upper
168	100		
139	31.8	24.7	37.1
169	12.8	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

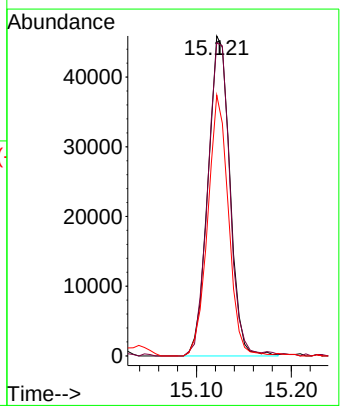
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

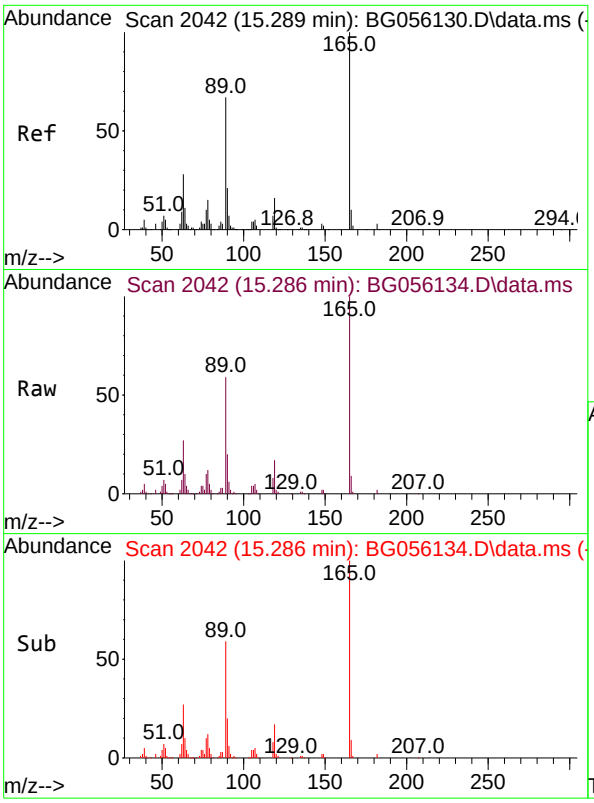


#56
4-Nitrophenol
Concen: 42.310 ng
RT: 15.121 min Scan# 2014
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:139 Resp: 73765

Ion	Ratio	Lower	Upper
139	100		
109	97.8	82.2	122.2
65	81.5	60.6	100.6

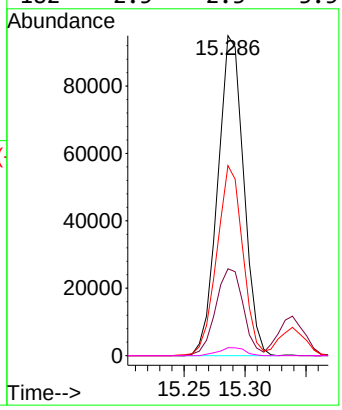




#57
2,4-Dinitrotoluene
Concen: 42.213 ng
RT: 15.286 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:165 Resp: 14062

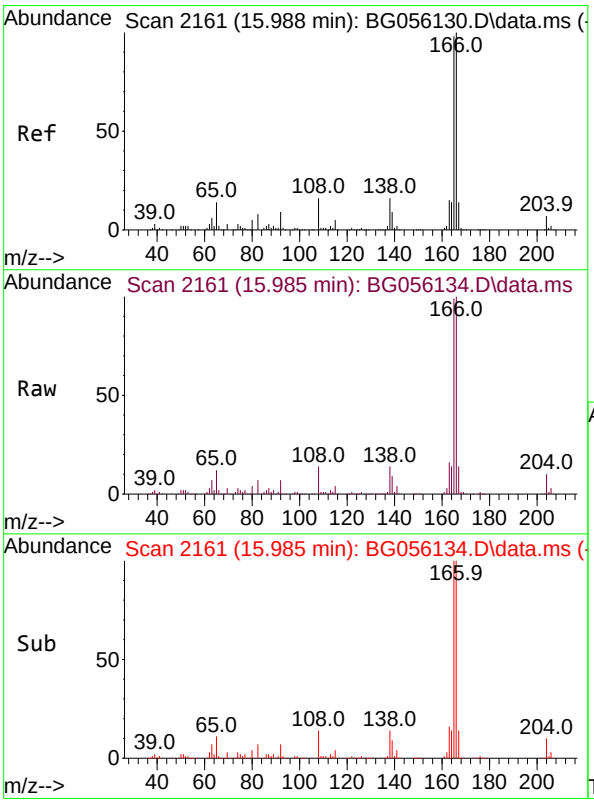
Ion	Ratio	Lower	Upper
165	100		
63	27.1	22.6	34.0
89	59.4	53.2	79.8
182	2.5	2.3	3.5



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

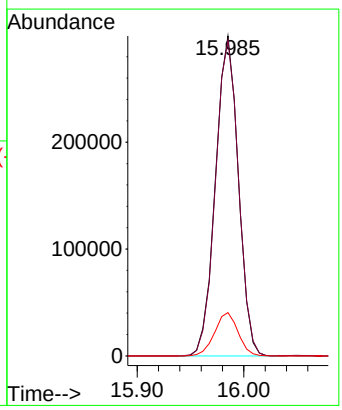
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

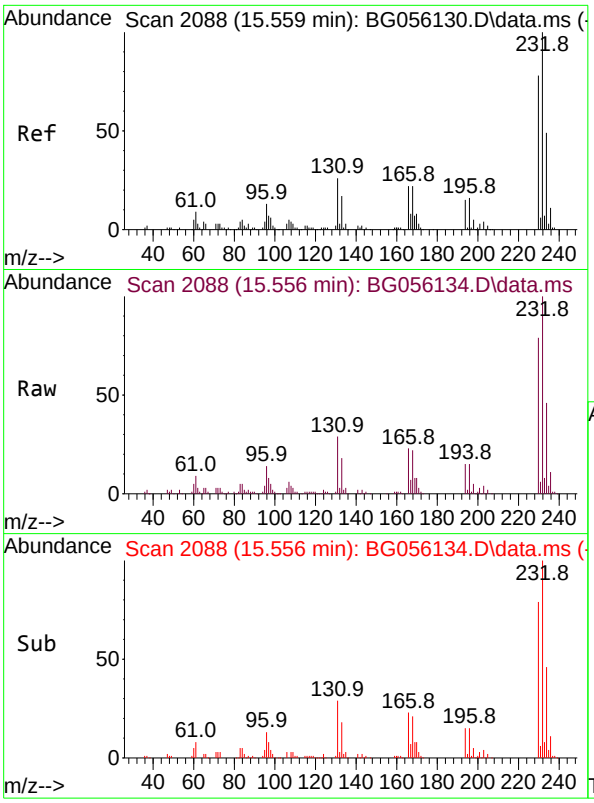


#58
Fluorene
Concen: 40.509 ng
RT: 15.985 min Scan# 2161
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:166 Resp: 446690

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.6	118.0
167	13.5	11.1	16.7

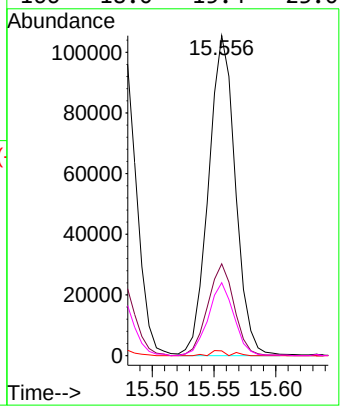




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.844 ng m
RT: 15.556 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:232 Resp: 15949

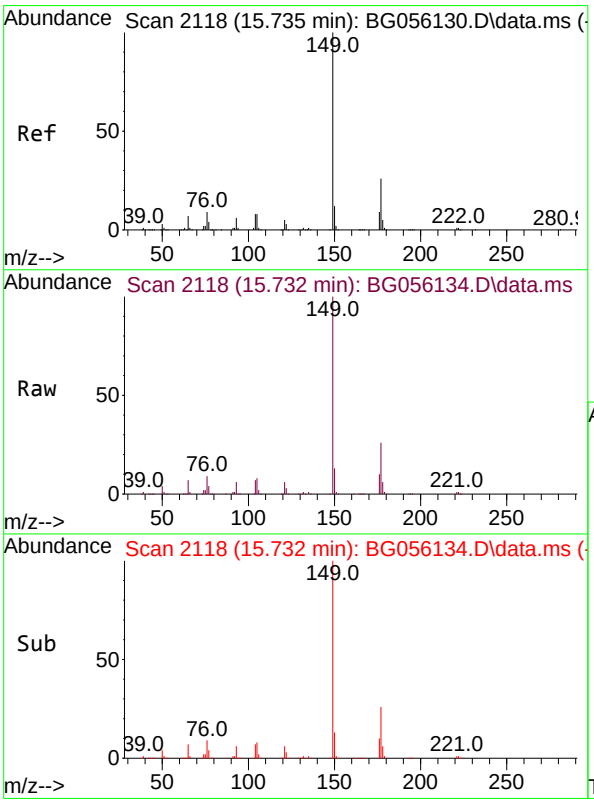
Ion	Ratio	Lower	Upper
232	100		
131	26.1	21.4	32.2
130	1.9	1.4	2.0
166	18.0	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

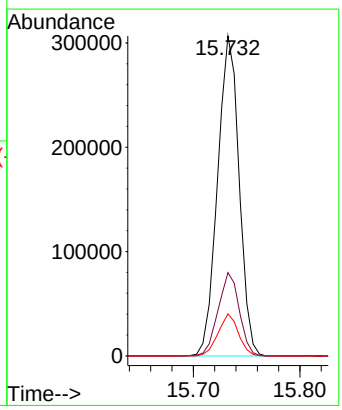
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

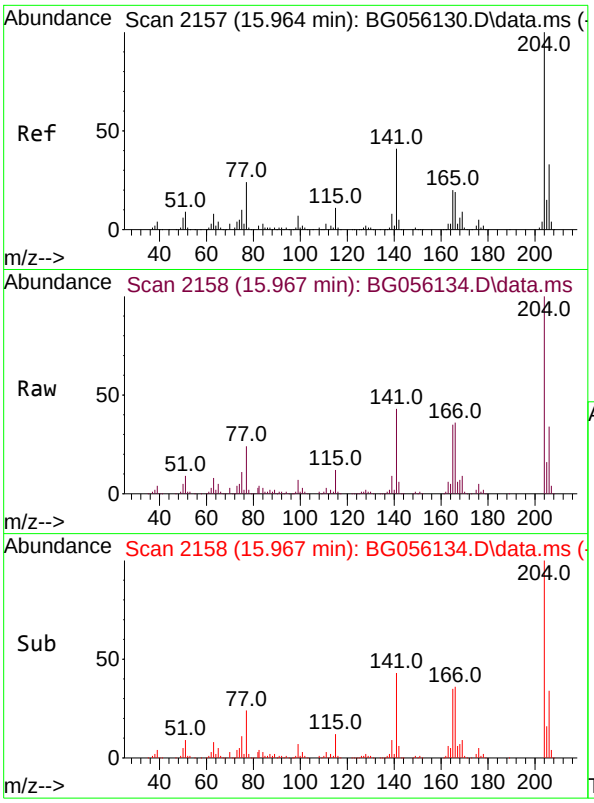


#60
Diethylphthalate
Concen: 41.116 ng
RT: 15.732 min Scan# 2118
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:149 Resp: 431024

Ion	Ratio	Lower	Upper
149	100		
177	26.0	20.6	31.0
150	13.1	9.9	14.9

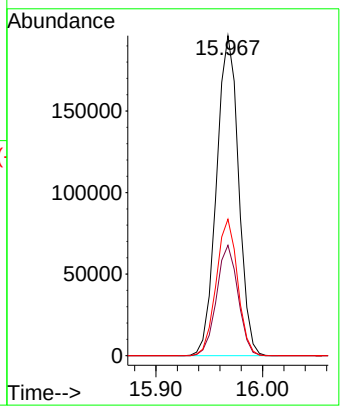




#61
4-Chlorophenyl-phenylether
Concen: 40.928 ng
RT: 15.967 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:204 Resp: 28164

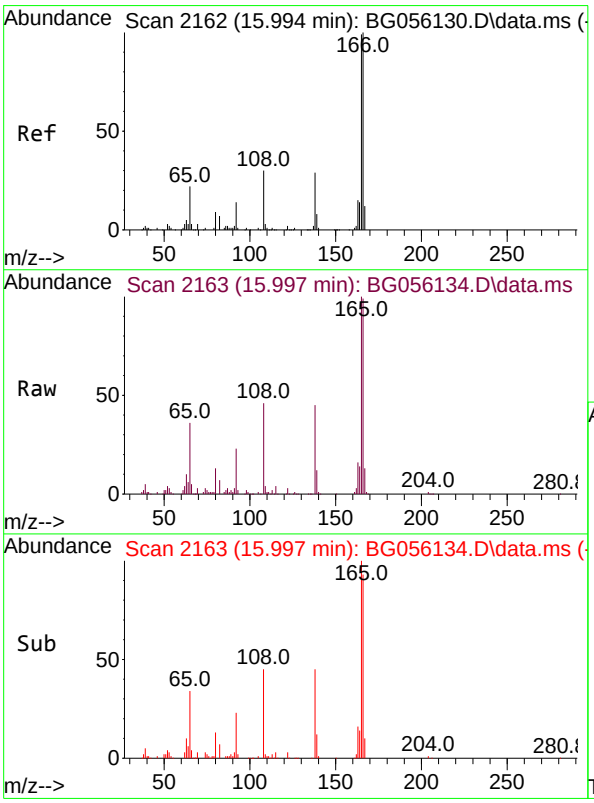
Ion	Ratio	Lower	Upper
204	100		
206	34.5	26.4	39.6
141	42.6	33.0	49.4



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

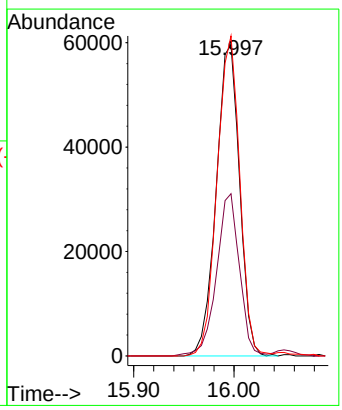
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

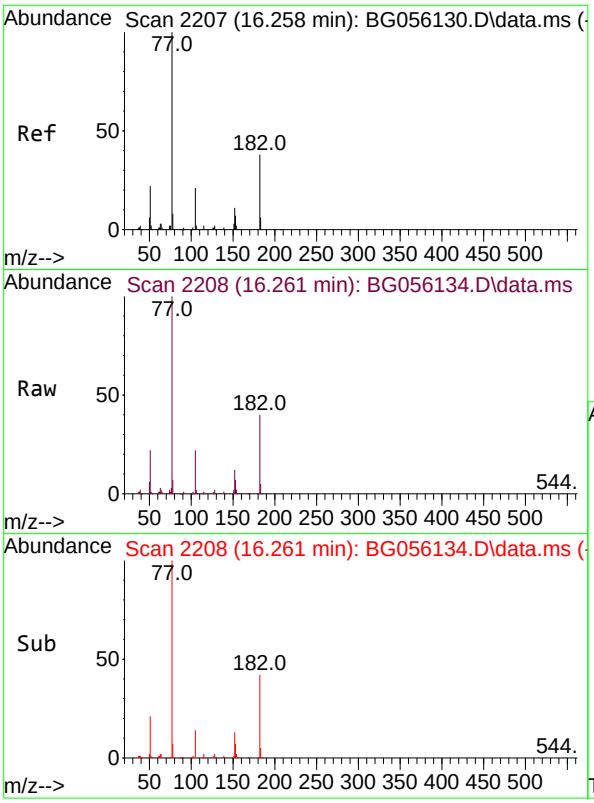


#62
4-Nitroaniline
Concen: 41.527 ng
RT: 15.997 min Scan# 2163
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:138 Resp: 96430

Ion	Ratio	Lower	Upper
138	100		
92	52.1	28.6	68.6
108	102.8	83.4	123.4

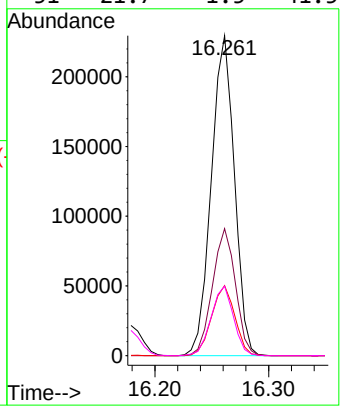




#63
Azobenzene
Concen: 40.042 ng
RT: 16.261 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion: 77 Resp: 32393

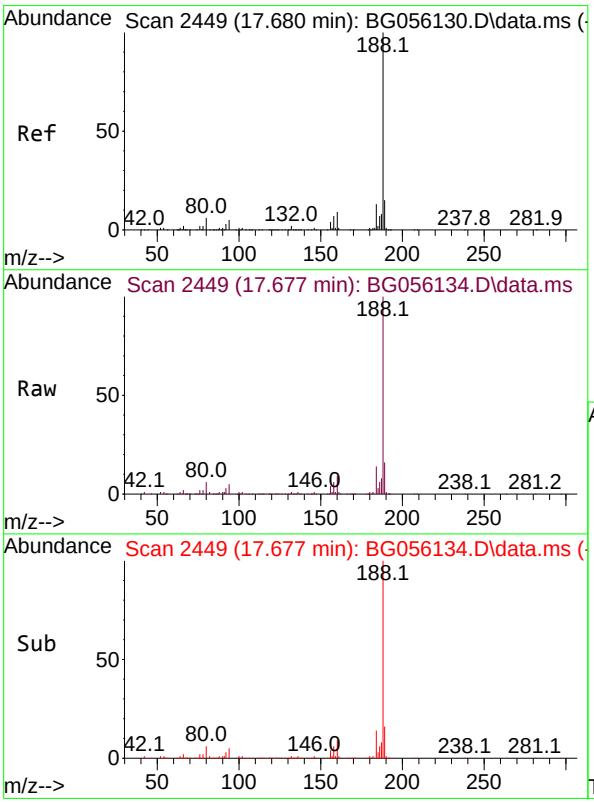
Ion	Ratio	Lower	Upper
77	100		
182	39.7	18.5	58.5
105	21.9	1.4	41.4
51	21.7	1.5	41.5



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

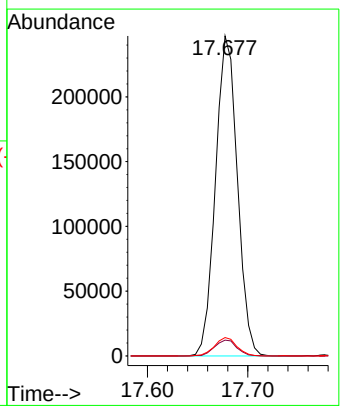
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

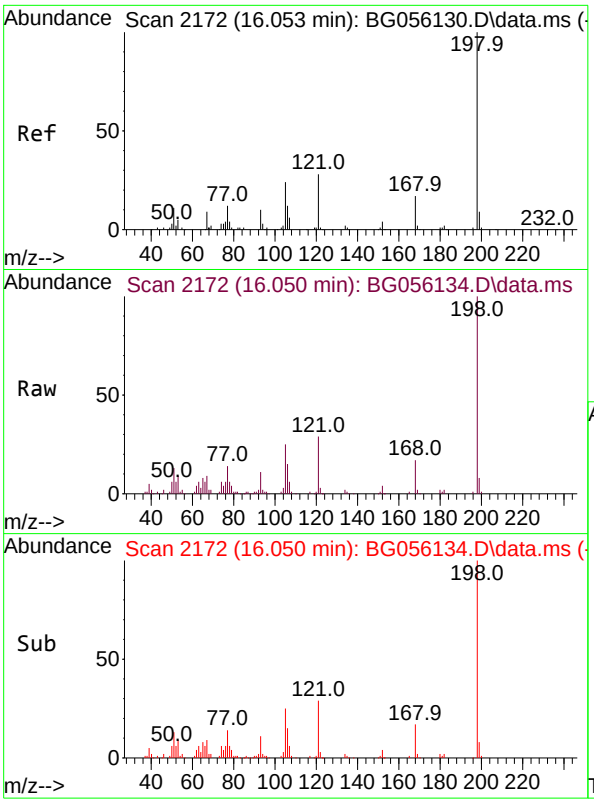


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.677 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:188 Resp: 374822

Ion	Ratio	Lower	Upper
188	100		
94	5.0	4.2	6.2
80	5.7	5.0	7.4

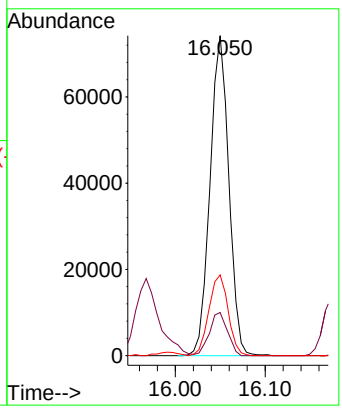




#65
4,6-Dinitro-2-methylphenol
Concen: 42.663 ng
RT: 16.050 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:198 Resp: 10773

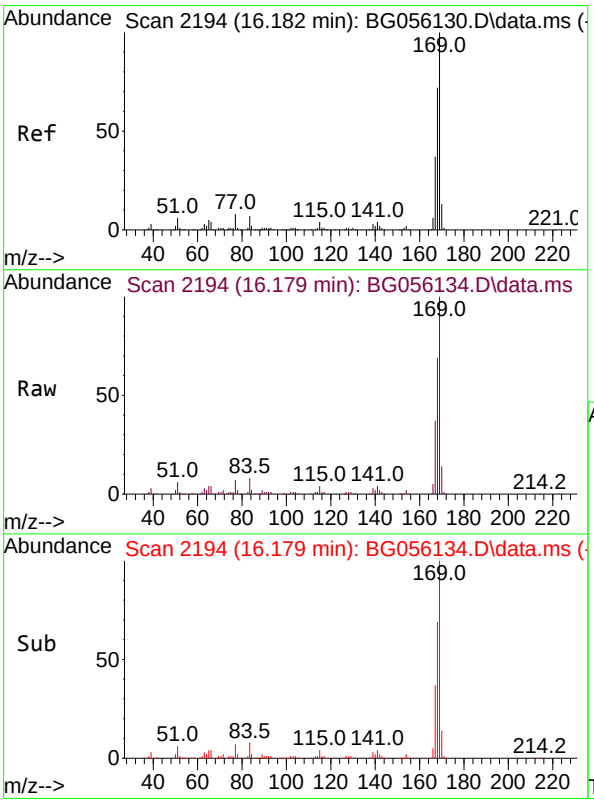
Ion	Ratio	Lower	Upper
198	100		
51	13.5	0.0	33.2
105	25.2	4.9	44.9



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

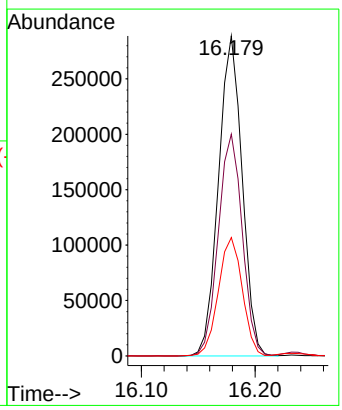
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

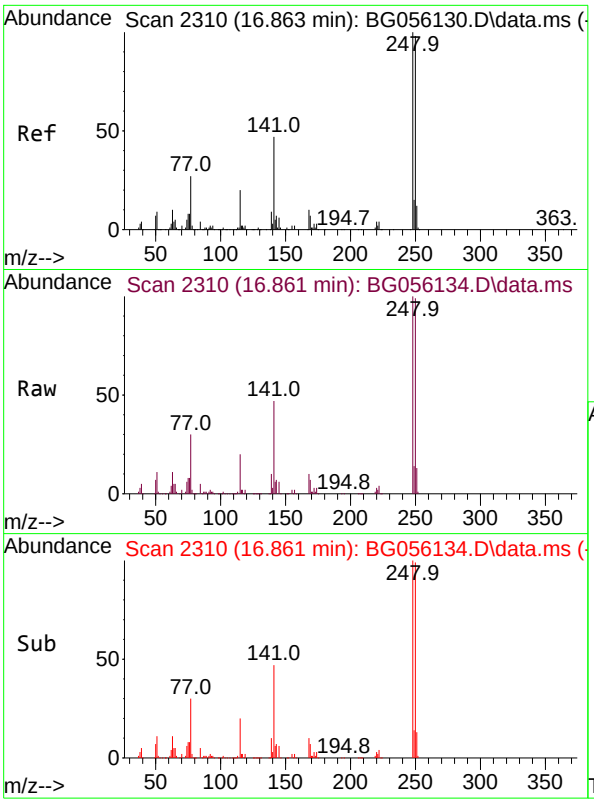


#66
n-Nitrosodiphenylamine
Concen: 40.146 ng
RT: 16.179 min Scan# 2194
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:169 Resp: 417497

Ion	Ratio	Lower	Upper
169	100		
168	69.3	58.0	87.0
167	37.0	30.0	45.0





#67
4-Bromophenyl-phenylether
Concen: 39.928 ng
RT: 16.861 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

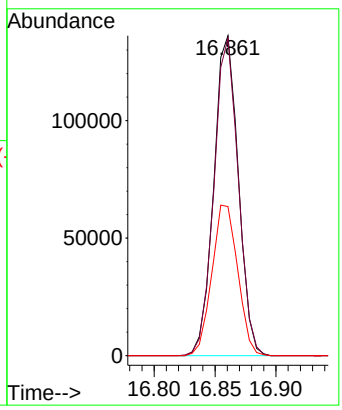
Tgt Ion:248 Resp: 19057

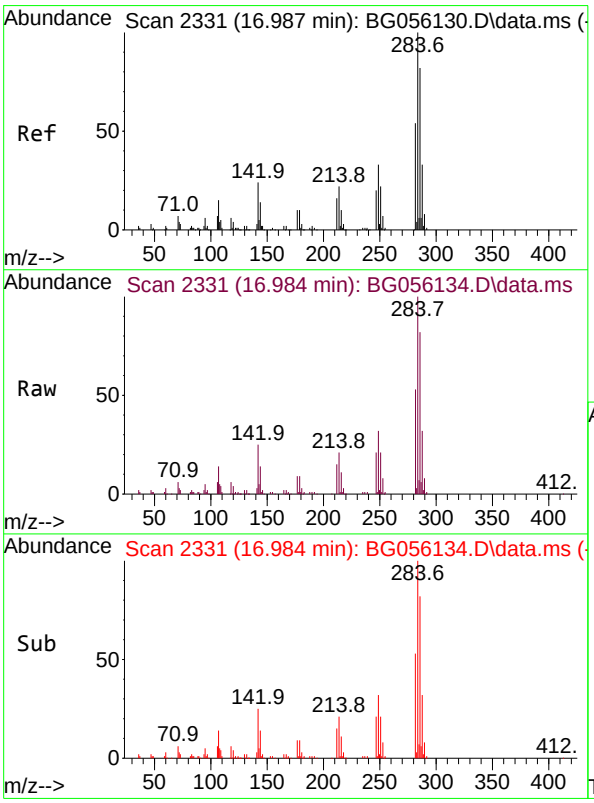
Ion	Ratio	Lower	Upper
248	100		
250	99.2	78.2	117.4
141	46.6	37.6	56.4

Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

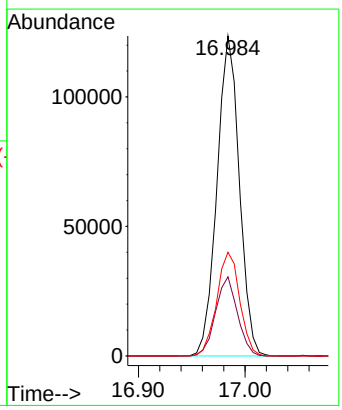


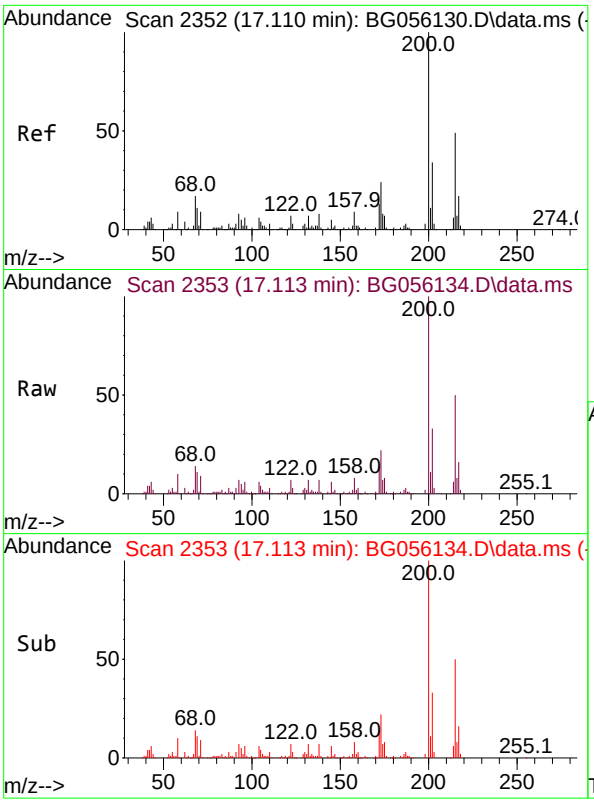


#68
Hexachlorobenzene
Concen: 40.388 ng
RT: 16.984 min Scan# 2331
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:284 Resp: 179851

Ion	Ratio	Lower	Upper
284	100		
142	24.7	19.0	28.6
249	32.4	26.6	39.8

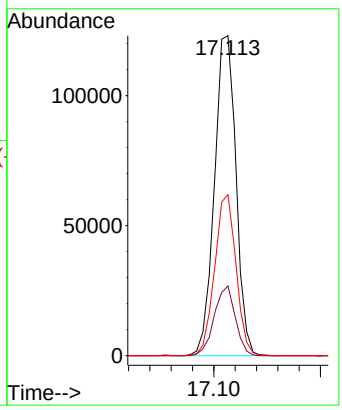




#69
Atrazine
Concen: 40.223 ng
RT: 17.113 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:200 Resp: 17336

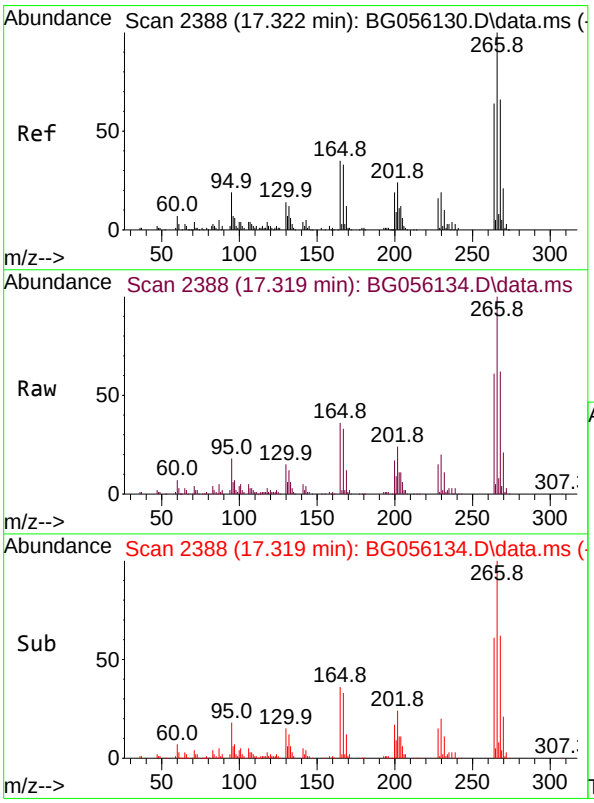
Ion	Ratio	Lower	Upper
200	100		
173	21.8	4.0	44.0
215	50.3	29.1	69.1



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

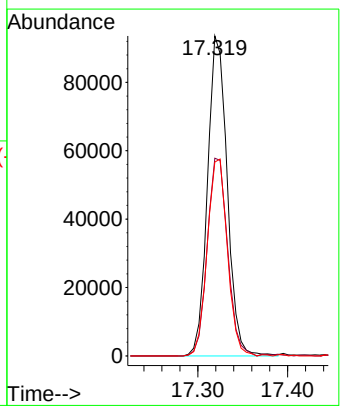
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

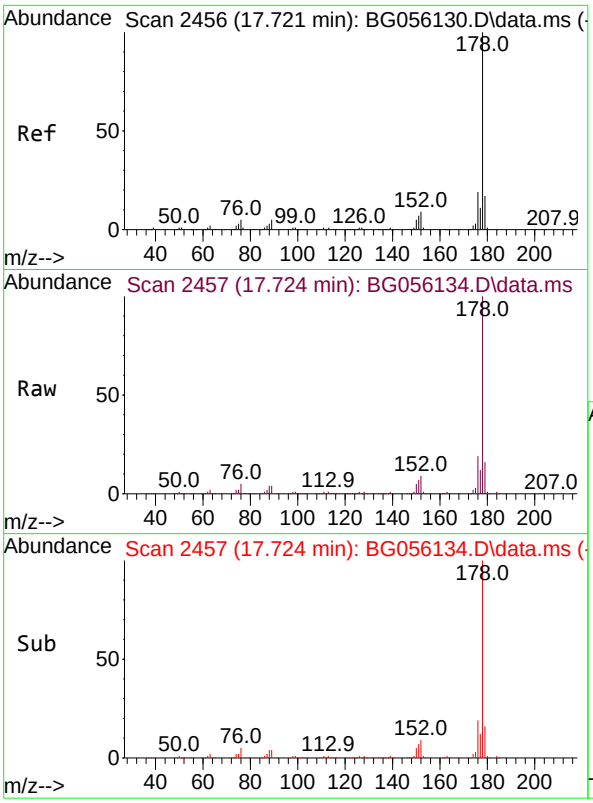


#70
Pentachlorophenol
Concen: 41.702 ng
RT: 17.319 min Scan# 2388
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:266 Resp: 142651

Ion	Ratio	Lower	Upper
266	100		
268	66.2	53.0	79.4
264	60.6	51.4	77.2

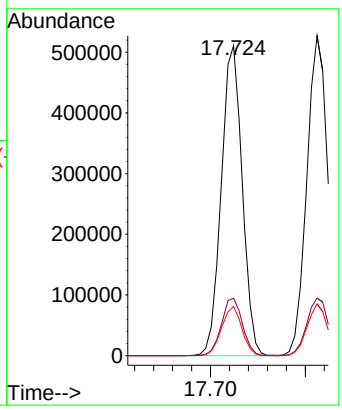




#71
Phenanthrene
Concen: 40.305 ng
RT: 17.724 min Scan# 24
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:178 Resp: 78290

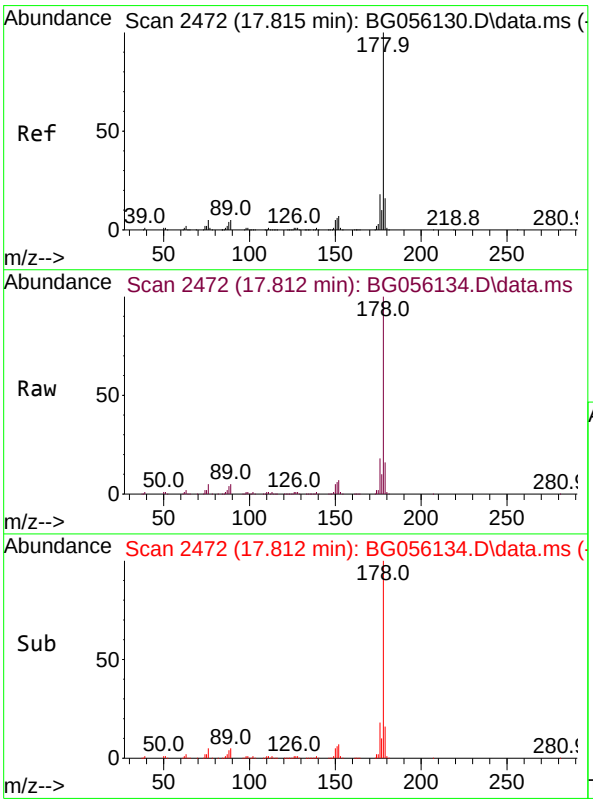
Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	15.9	13.6	20.4



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

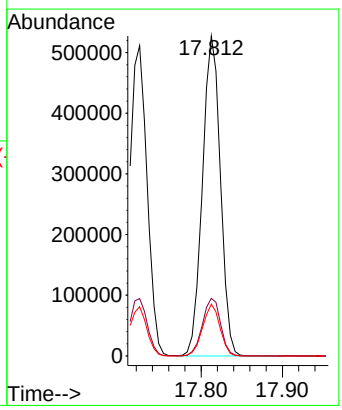
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

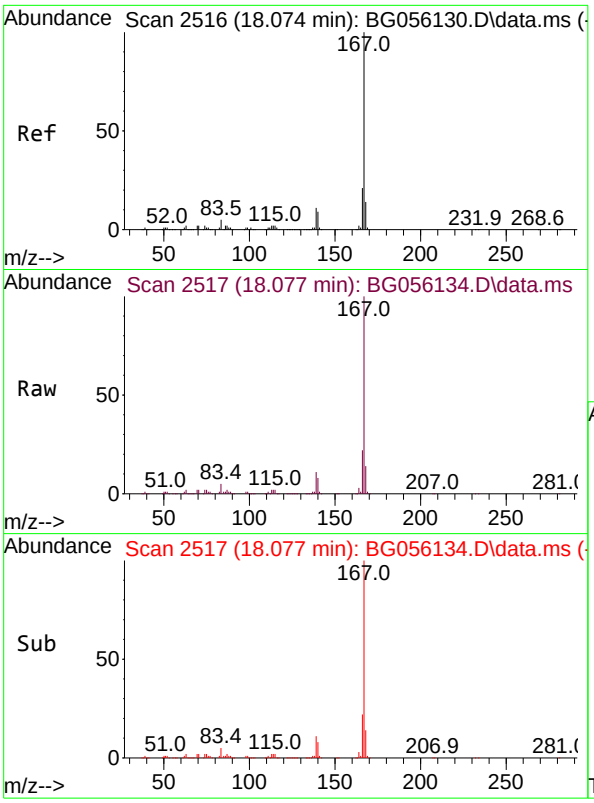


#72
Anthracene
Concen: 40.446 ng
RT: 17.812 min Scan# 2472
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:178 Resp: 810442

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	22.0
179	16.2	12.7	19.1

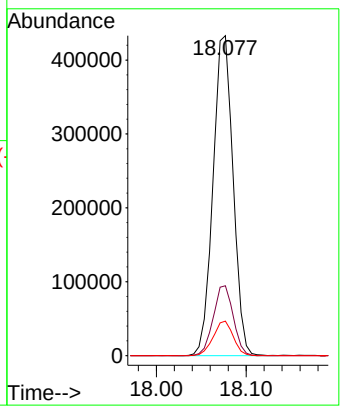




#73
Carbazole
Concen: 40.029 ng
RT: 18.077 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:167 Resp: 67420

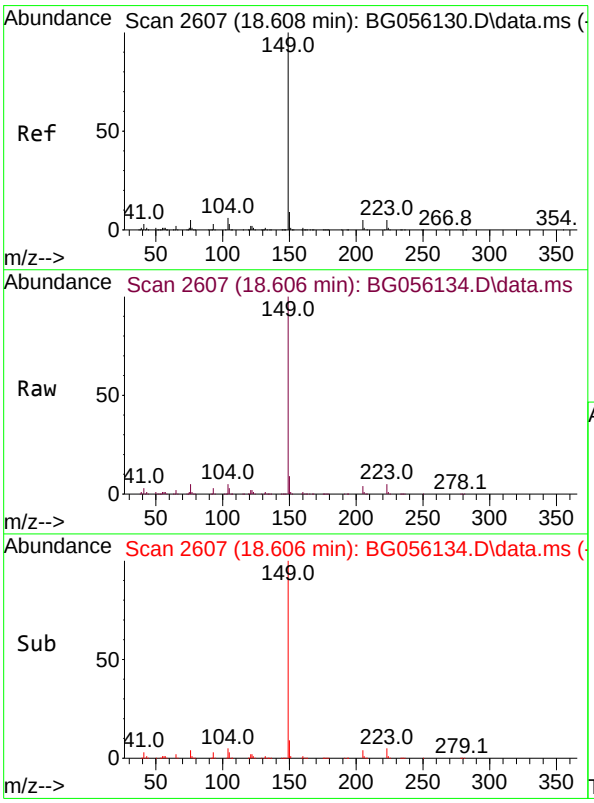
Ion	Ratio	Lower	Upper
167	100		
166	21.8	16.8	25.2
139	10.8	8.9	13.3



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

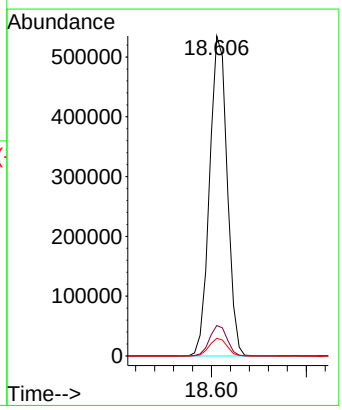
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

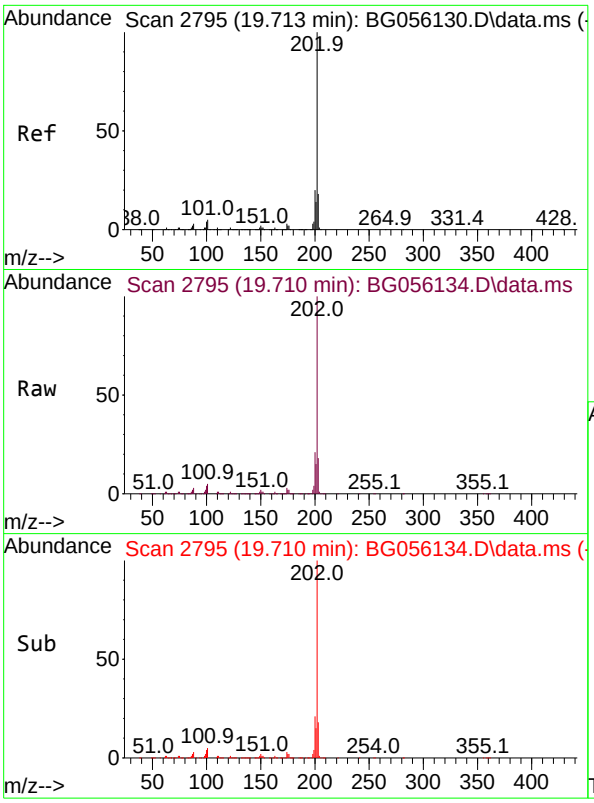


#74
Di-n-butylphthalate
Concen: 41.078 ng
RT: 18.606 min Scan# 2607
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:149 Resp: 689697

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	5.5	4.4	6.6

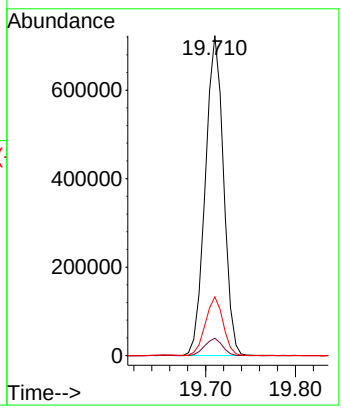




#75
Fluoranthene
Concen: 40.173 ng
RT: 19.710 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:202 Resp: 101787

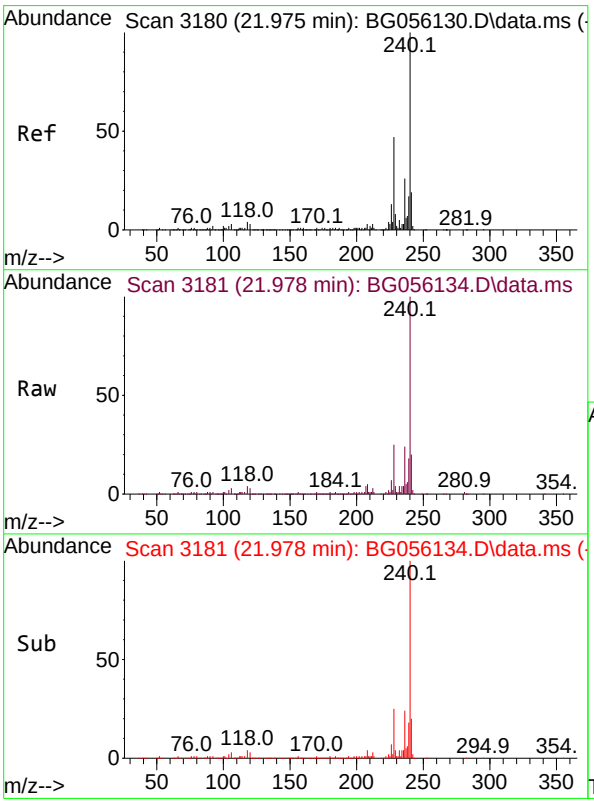
Ion	Ratio	Lower	Upper
202	100		
101	5.4	0.0	25.0
203	18.4	0.0	38.0



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

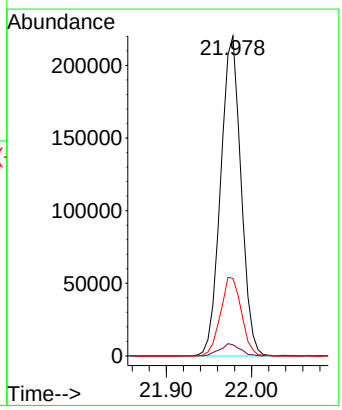
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

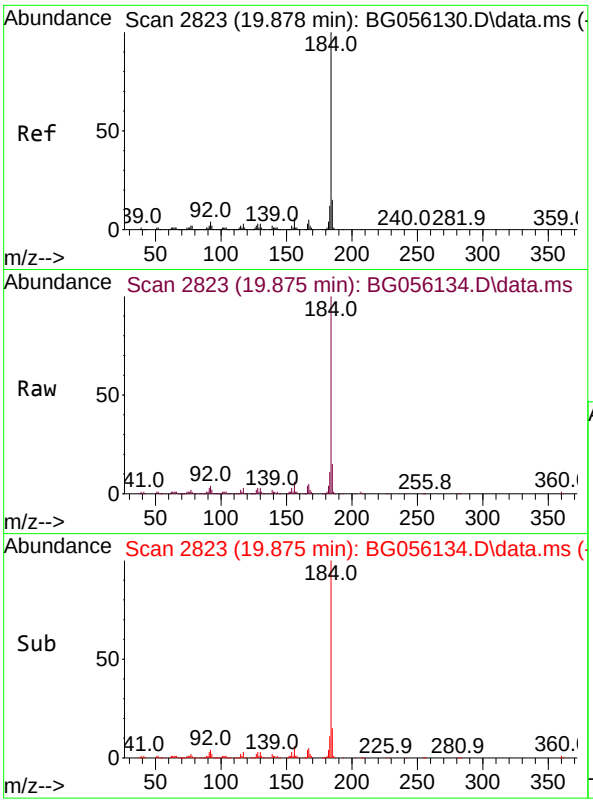


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.978 min Scan# 3181
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:240 Resp: 364377

Ion	Ratio	Lower	Upper
240	100		
120	3.5	2.6	4.0
236	24.2	20.8	31.2

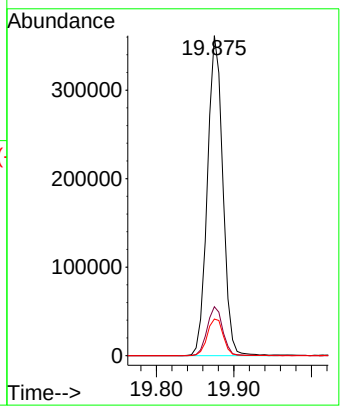




#77
Benzidine
Concen: 38.970 ng
RT: 19.875 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:184 Resp: 49762

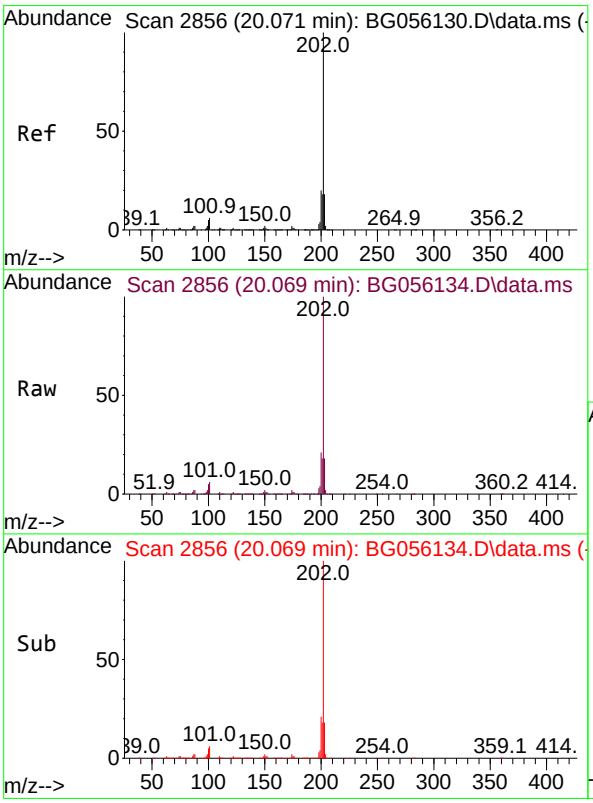
Ion	Ratio	Lower	Upper
184	100		
185	15.3	12.2	18.2
183	11.4	9.4	14.0



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

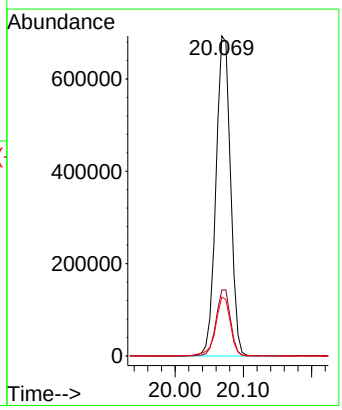
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

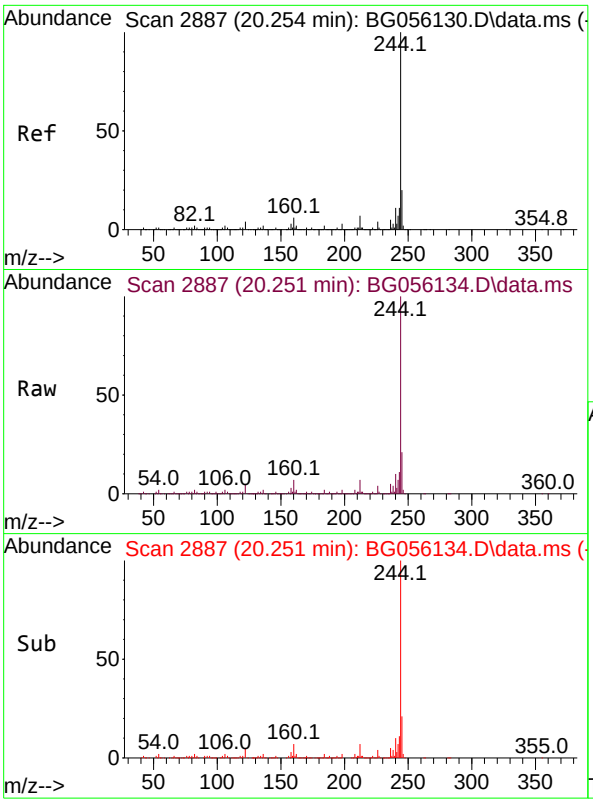


#78
Pyrene
Concen: 39.693 ng
RT: 20.069 min Scan# 2856
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:202 Resp: 1019426

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.4	24.6
203	18.4	14.3	21.5

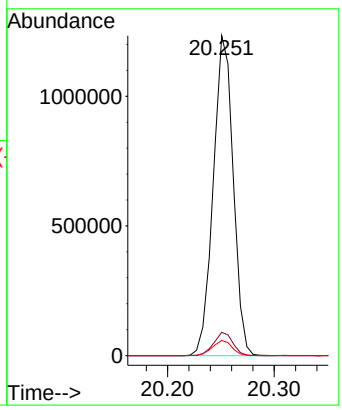




#79
Terphenyl-d14
Concen: 78.859 ng
RT: 20.251 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:244 Resp: 160433

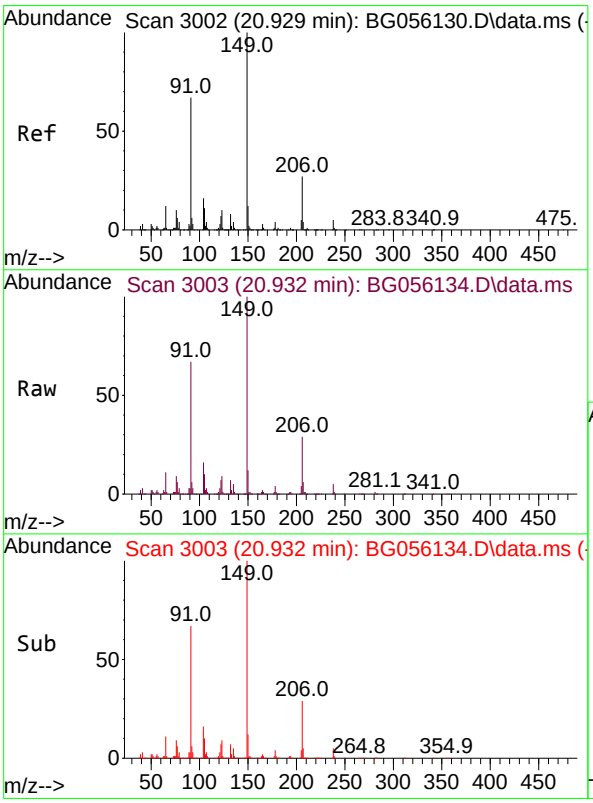
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	4.8	3.5	5.3



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

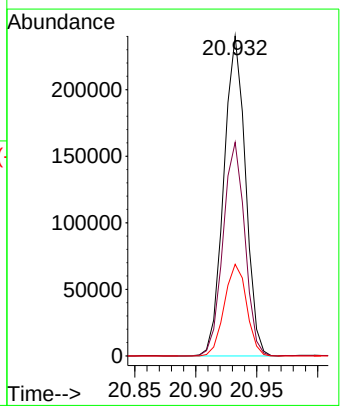
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

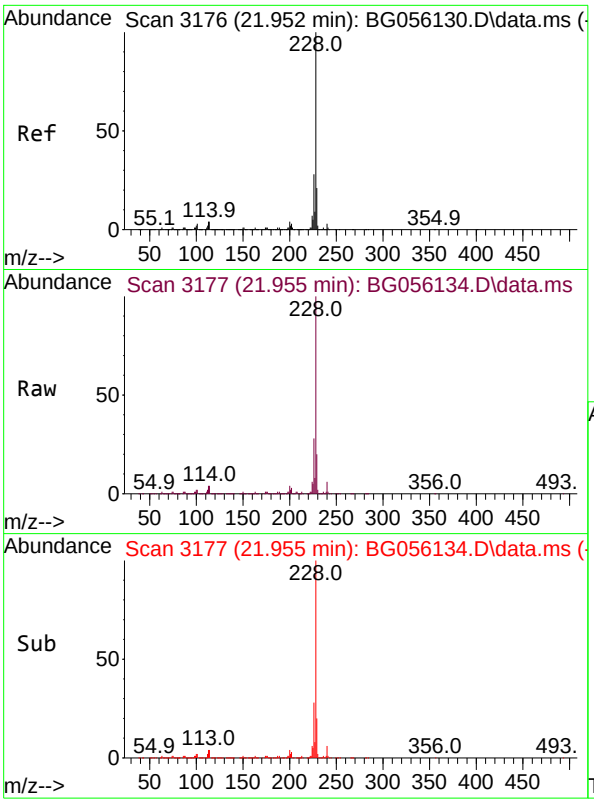


#80
Butylbenzylphthalate
Concen: 40.426 ng
RT: 20.932 min Scan# 3003
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:149 Resp: 297869

Ion	Ratio	Lower	Upper
149	100		
91	66.7	53.5	80.3
206	28.6	21.9	32.9

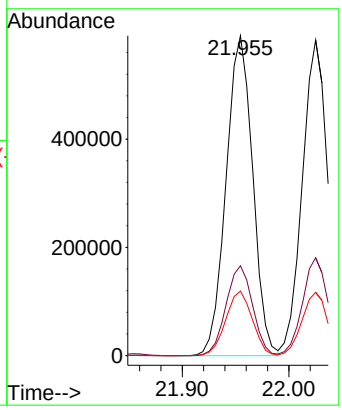




#81
Benzo(a)anthracene
Concen: 40.053 ng
RT: 21.955 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:228 Resp: 102505

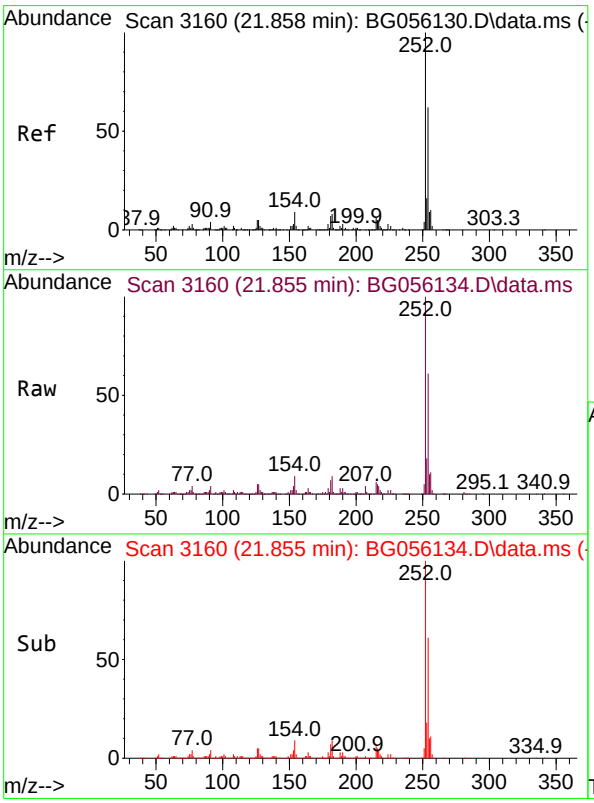
Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	34.0
229	20.2	16.9	25.3



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

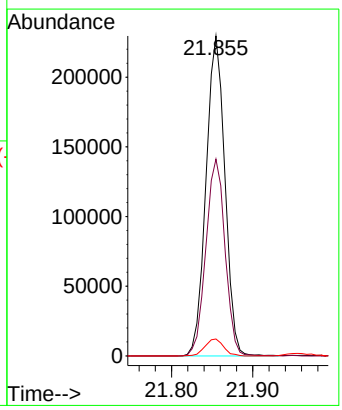
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

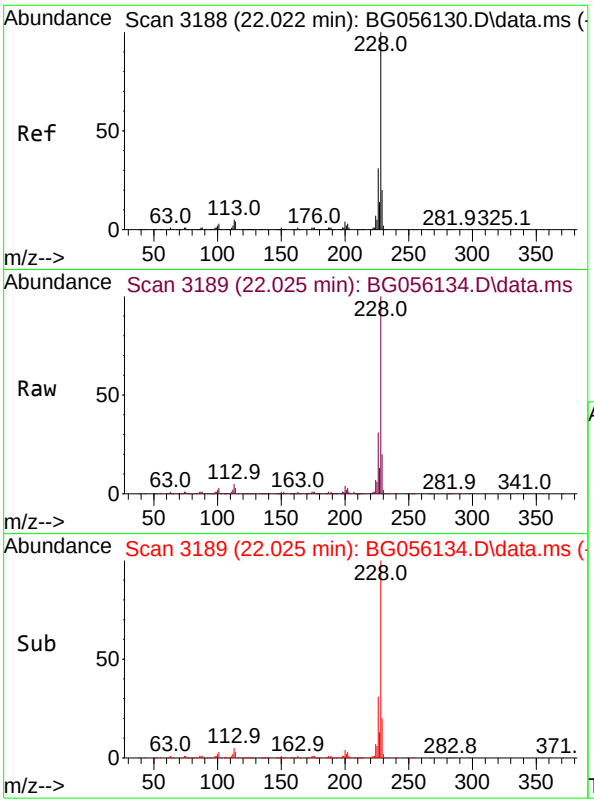


#82
3,3'-Dichlorobenzidine
Concen: 40.280 ng
RT: 21.855 min Scan# 3160
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:252 Resp: 371096

Ion	Ratio	Lower	Upper
252	100		
254	61.5	49.5	74.3
126	5.3	4.0	6.0

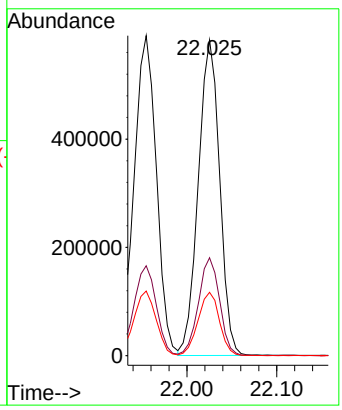




#83
Chrysene
Concen: 40.269 ng
RT: 22.025 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:228 Resp: 96537

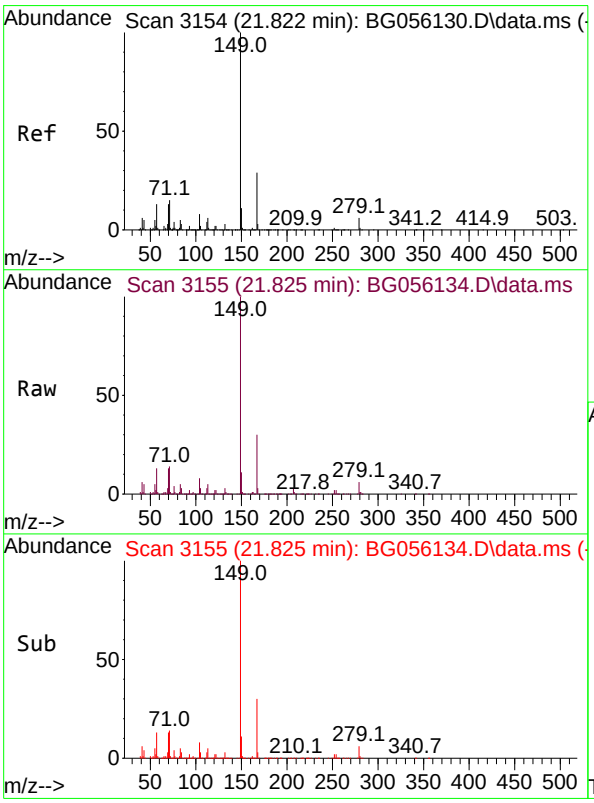
Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.6	36.8
229	20.1	15.8	23.6



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

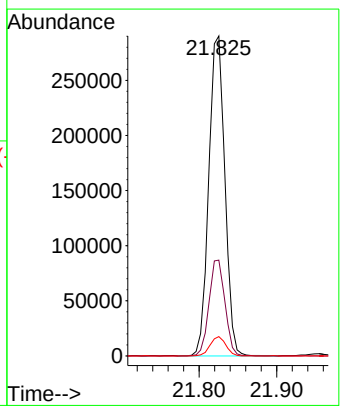
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

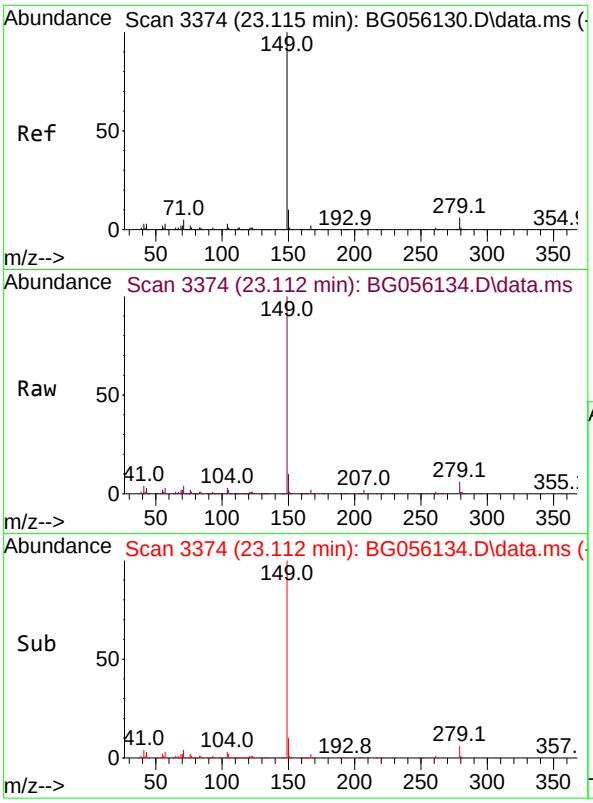


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.444 ng
RT: 21.825 min Scan# 3155
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:149 Resp: 418710

Ion	Ratio	Lower	Upper
149	100		
167	29.9	23.4	35.2
279	6.0	4.7	7.1

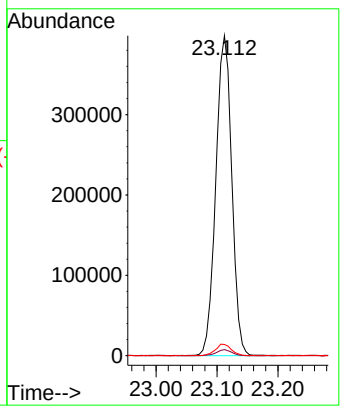




#85
Di-n-octyl phthalate
Concen: 40.429 ng
RT: 23.112 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:149 Resp: 72452

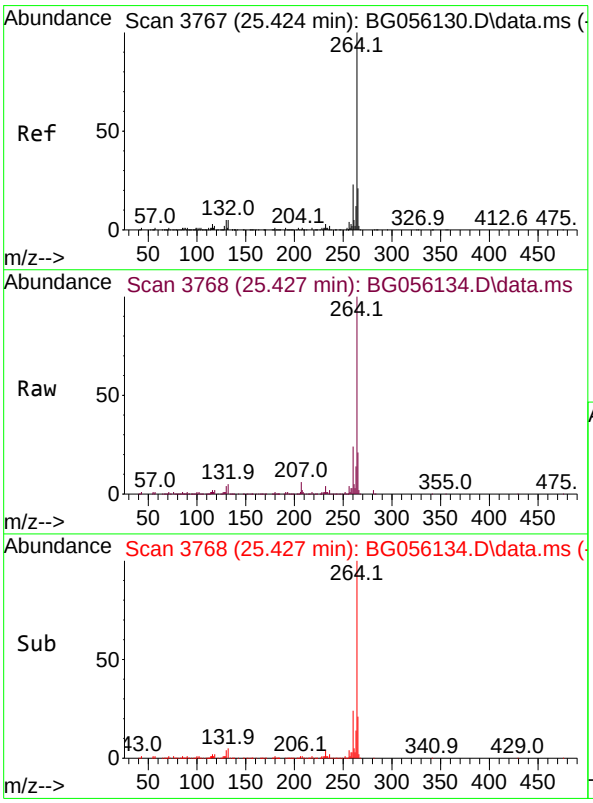
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.2
43	3.6	2.9	4.3



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

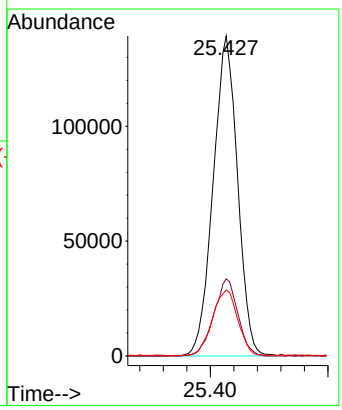
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

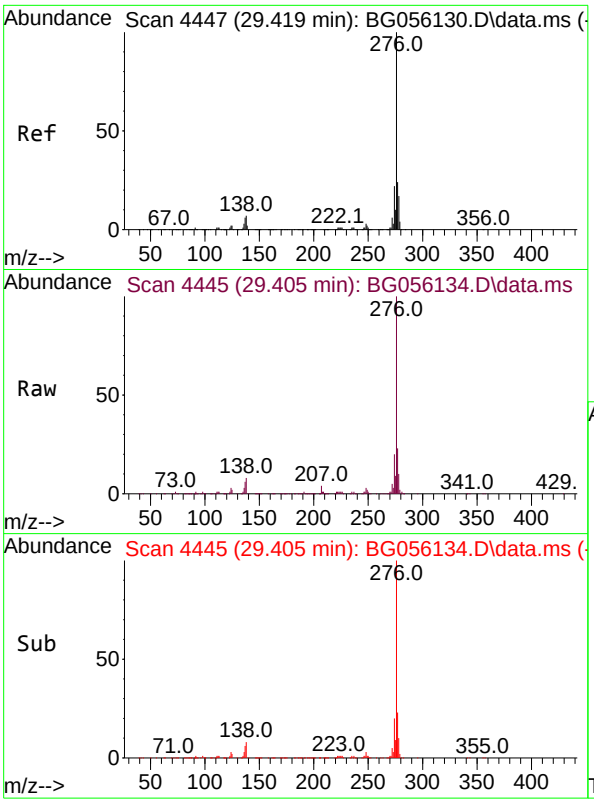


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.427 min Scan# 3768
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:264 Resp: 400261

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	28.0
265	20.6	16.7	25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 40.495 ng
RT: 29.405 min Scan# 44
Delta R.T. -0.015 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

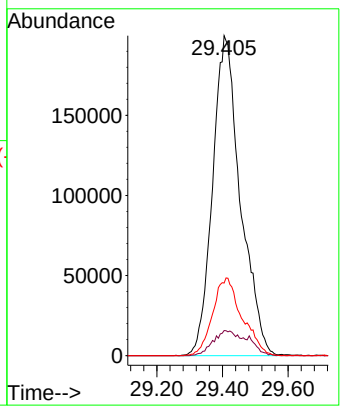
Tgt Ion:276 Resp: 117878

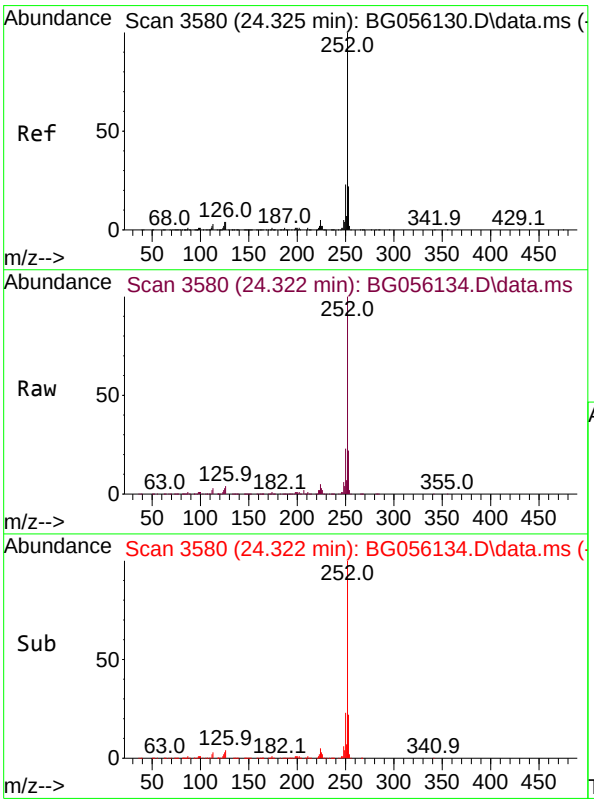
Ion	Ratio	Lower	Upper
276	100		
138	7.9	5.0	7.4
277	25.6	20.5	30.7

Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

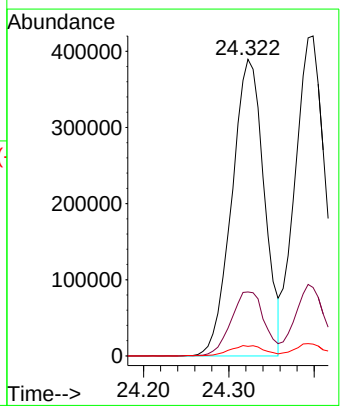


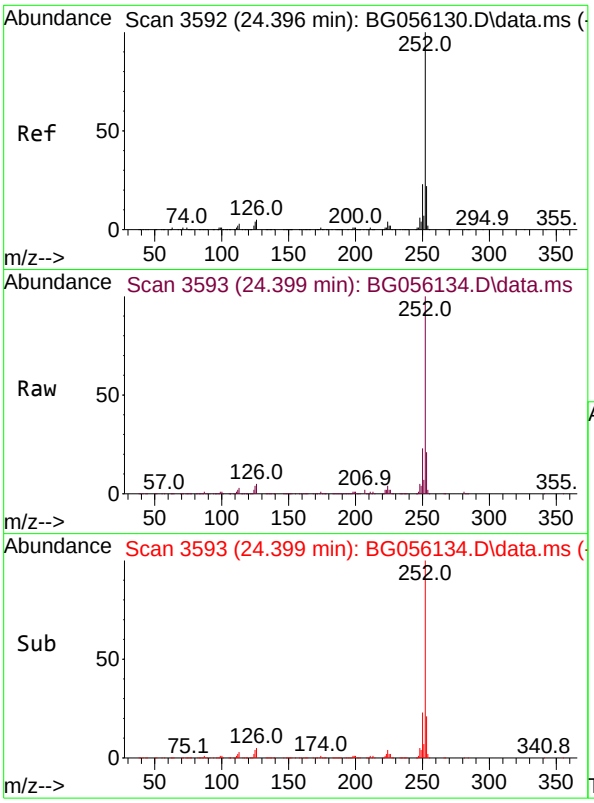


#88
Benzo(b)fluoranthene
Concen: 40.380 ng
RT: 24.322 min Scan# 3580
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:252 Resp: 1026906

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	3.2	3.0	4.4

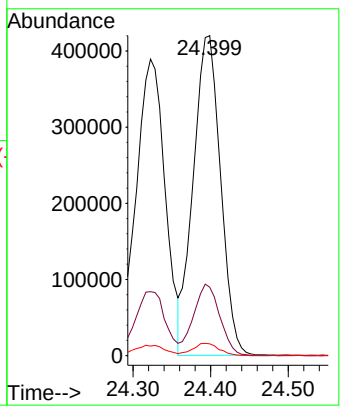




#89
Benzo(k)fluoranthene
Concen: 40.524 ng
RT: 24.399 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:252 Resp: 102623

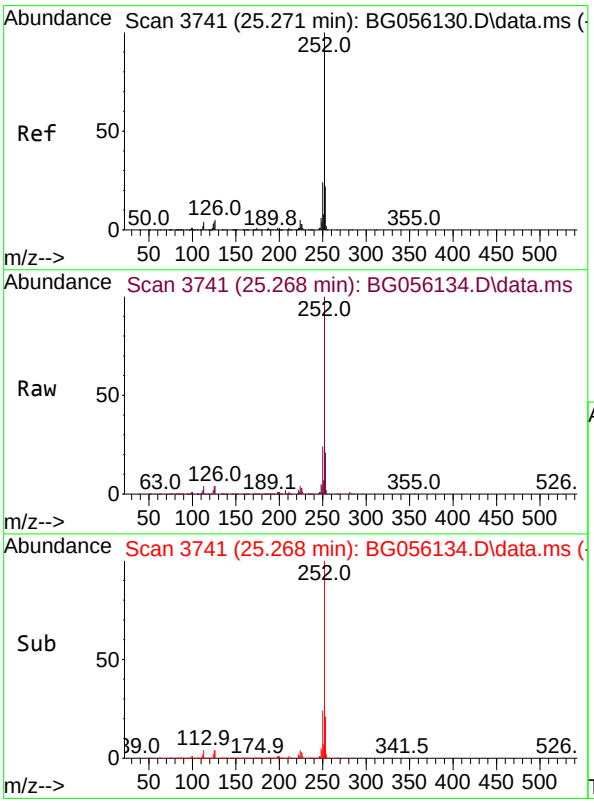
Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	3.7	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

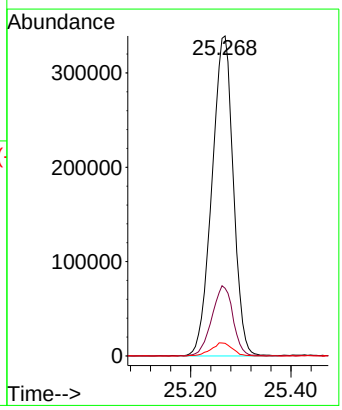
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

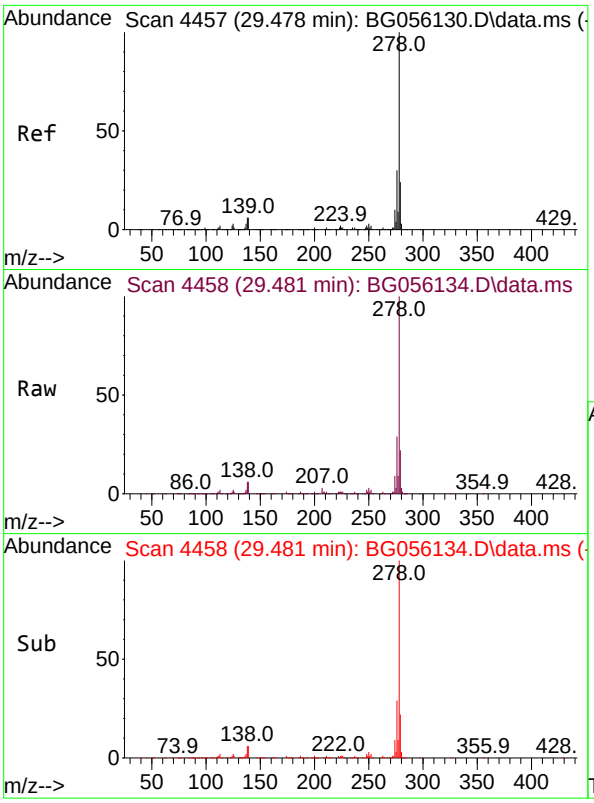


#90
Benzo(a)pyrene
Concen: 40.372 ng
RT: 25.268 min Scan# 3741
Delta R.T. -0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:252 Resp: 1001406

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.4	26.2
125	3.9	3.2	4.8

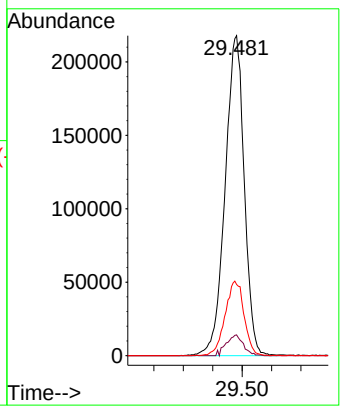




#91
Dibenzo(a,h)anthracene
Concen: 40.291 ng
RT: 29.481 min Scan# 44
Delta R.T. 0.003 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:278 Resp: 98332

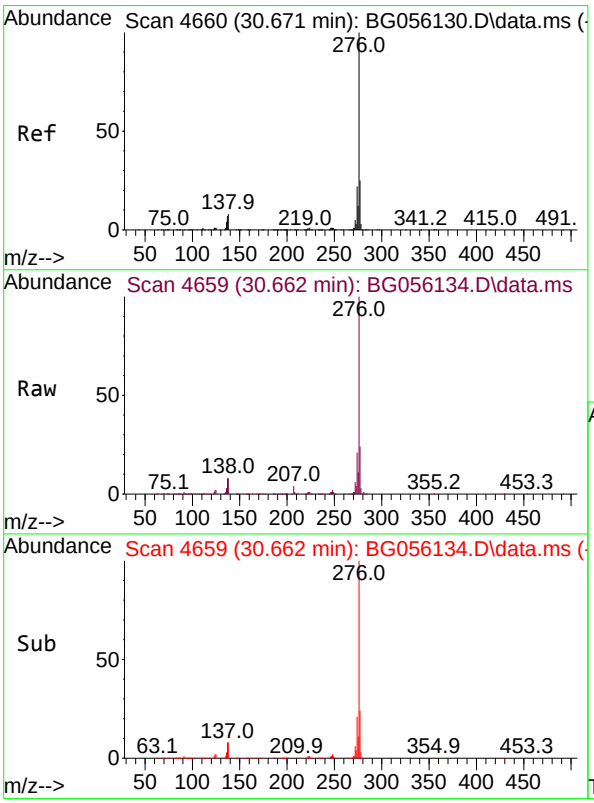
Ion	Ratio	Lower	Upper
278	100		
139	6.5	4.8	7.2
279	22.2	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Manual Integrations
APPROVED

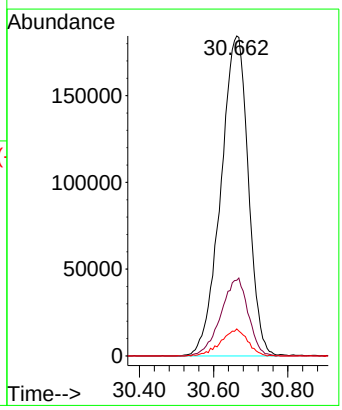
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#92
Benzo(g,h,i)perylene
Concen: 40.151 ng
RT: 30.662 min Scan# 4659
Delta R.T. -0.009 min
Lab File: BG056134.D
Acq: 27 Dec 2022 20:24

Tgt Ion:276 Resp: 950258

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.7	29.5
138	8.4	6.7	10.1



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056134.D
Acq On : 27 Dec 2022 20:24
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Quant Time: Dec 28 05:22:48 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 05:20:14 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
2		1,4-Dioxane	0.512	0.509	0.6	92	0.00
3		Pyridine	1.558	1.635	-4.9	99	0.00
4		n-Nitrosodimethylamine	0.317	0.335	-5.7	98	0.00
5	S	2-Fluorophenol	1.120	1.128	-0.7	98	0.00
6		Aniline	2.256	2.310	-2.4	98	0.00
7	S	Phenol-d6	1.720	1.784	-3.7	97	0.00
8		2-Chlorophenol	1.115	1.162	-4.2	100	0.00
9		Benzaldehyde	1.023	1.045	-2.2	102	0.00
10	C	Phenol	1.745	1.808	-3.6	98	0.00
11		bis(2-Chloroethyl)ether	1.182	1.156	2.2	94	0.00
12		1,3-Dichlorobenzene	1.357	1.360	-0.2	98	0.00
13	C	1,4-Dichlorobenzene	1.362	1.405	-3.2	99	0.00
14		1,2-Dichlorobenzene	1.314	1.319	-0.4	97	0.00
15		Benzyl Alcohol	1.252	1.282	-2.4	95	0.00
16		2,2'-oxybis(1-Chloropropane	0.209	0.202	3.3	94	0.00
17		2-Methylphenol	1.280	1.344	-5.0	99	0.00
18		Hexachloroethane	0.414	0.422	-1.9	99	0.00
19	P	n-Nitroso-di-n-propylamine	1.046	1.064	-1.7	98	0.00
20		3+4-Methylphenols	1.800	1.887	-4.8	98	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	96	0.00
22		Acetophenone	0.566	0.572	-1.1	97	0.00
23	S	Nitrobenzene-d5	0.391	0.393	-0.5	97	0.00
24		Nitrobenzene	0.387	0.391	-1.0	98	0.00
25		Isophorone	0.823	0.816	0.9	96	0.00
26	C	2-Nitrophenol	0.198	0.208	-5.1	102	0.00
27		2,4-Dimethylphenol	0.362	0.367	-1.4	99	0.00
28		bis(2-Chloroethoxy)methane	0.428	0.427	0.2	98	0.00
29	C	2,4-Dichlorophenol	0.400	0.415	-3.7	97	0.00
30		1,2,4-Trichlorobenzene	0.454	0.471	-3.7	101	0.00
31		Naphthalene	1.053	1.086	-3.1	101	0.00
32		Benzoic acid	0.268	0.280	-4.5	97	0.00
33		4-Chloroaniline	0.503	0.510	-1.4	98	0.00
34	C	Hexachlorobutadiene	0.326	0.329	-0.9	96	0.00
35		Caprolactam	0.135	0.145	-7.4	104	0.00
36	C	4-Chloro-3-methylphenol	0.406	0.428	-5.4	103	0.00
37		2-Methylnaphthalene	0.889	0.902	-1.5	98	0.00
38		1-Methylnaphthalene	0.825	0.834	-1.1	99	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	0.750	0.766	-2.1	100	0.00
41	P	Hexachlorocyclopentadiene	0.427	0.446	-4.4	97	0.00
42	S	2,4,6-Tribromophenol	0.253	0.264	-4.3	102	0.00
43	C	2,4,6-Trichlorophenol	0.496	0.513	-3.4	99	0.00
44		2,4,5-Trichlorophenol	0.586	0.609	-3.9	102	0.00
45	S	2-Fluorobiphenyl	1.448	1.455	-0.5	99	0.00
46		1,1'-Biphenyl	1.432	1.459	-1.9	100	0.00
47		2-Chloronaphthalene	1.131	1.157	-2.3	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056134.D
Acq On : 27 Dec 2022 20:24
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Quant Time: Dec 28 05:22:48 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 05:20:14 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.241	0.254	-5.4	103	0.00
49		Acenaphthylene	1.840	1.871	-1.7	100	0.00
50		Dimethylphthalate	1.615	1.654	-2.4	101	0.00
51		2,6-Dinitrotoluene	0.344	0.354	-2.9	103	0.00
52	C	Acenaphthene	1.197	1.246	-4.1	101	0.00
53		3-Nitroaniline	0.327	0.344	-5.2	103	0.00
54	P	2,4-Dinitrophenol	0.246	0.266	-8.1	102	0.00
55		Dibenzofuran	1.980	2.039	-3.0	100	0.00
56	P	4-Nitrophenol	0.252	0.266	-5.6	102	0.00
57		2,4-Dinitrotoluene	0.481	0.508	-5.6	102	0.00
58		Fluorene	1.593	1.613	-1.3	100	0.00
59		2,3,4,6-Tetrachlorophenol	0.551	0.576	-4.5	103	0.00
60		Diethylphthalate	1.514	1.556	-2.8	101	0.00
61		4-Chlorophenyl-phenylether	0.994	1.017	-2.3	100	0.00
62		4-Nitroaniline	0.335	0.348	-3.9	100	0.00
63		Azobenzene	1.168	1.170	-0.2	100	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	0.135	0.144	-6.7	104	0.00
66	c	n-Nitrosodiphenylamine	0.555	0.557	-0.4	102	0.00
67		4-Bromophenyl-phenylether	0.255	0.254	0.4	101	0.00
68		Hexachlorobenzene	0.238	0.240	-0.8	102	0.00
69		Atrazine	0.230	0.231	-0.4	100	0.00
70	C	Pentachlorophenol	0.183	0.190	-3.8	103	0.00
71		Phenanthrene	1.036	1.044	-0.8	102	0.00
72		Anthracene	1.069	1.081	-1.1	102	0.00
73		Carbazole	0.899	0.899	0.0	101	0.00
74		Di-n-butylphthalate	0.896	0.920	-2.7	103	0.00
75	C	Fluoranthene	1.352	1.358	-0.4	101	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77		Benzidine	0.701	0.683	2.6	95	0.00
78		Pyrene	1.410	1.399	0.8	102	0.00
79	S	Terphenyl-d14	1.117	1.101	1.4	101	0.00
80		Butylbenzylphthalate	0.404	0.409	-1.2	102	0.00
81		Benzo(a)anthracene	1.405	1.407	-0.1	101	0.00
82		3,3'-Dichlorobenzidine	0.506	0.509	-0.6	99	0.00
83		Chrysene	1.316	1.325	-0.7	101	0.00
84		Bis(2-ethylhexyl)phthalate	0.583	0.575	1.4	99	0.00
85	c	Di-n-octyl phthalate	0.984	0.994	-1.0	101	0.00
86	I	Perylene-d12	1.000	1.000	0.0	101	0.00
87		Indeno(1,2,3-cd)pyrene	1.455	1.473	-1.2	101	-0.01
88		Benzo(b)fluoranthene	1.271	1.283	-0.9	100	0.00
89		Benzo(k)fluoranthene	1.265	1.282	-1.3	101	0.00
90	C	Benzo(a)pyrene	1.239	1.251	-1.0	101	0.00
91		Dibenzo(a,h)anthracene	1.219	1.228	-0.7	101	0.00
92		Benzo(g,h,i)perylene	1.183	1.187	-0.3	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056134.D
Acq On : 27 Dec 2022 20:24
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Quant Time: Dec 28 05:22:48 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 05:20:14 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056134.D
Acq On : 27 Dec 2022 20:24
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Quant Time: Dec 28 05:22:48 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 05:20:14 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	98	0.00
2		1,4-Dioxane	40.000	39.828	0.4	92	0.00
3		Pyridine	40.000	41.978	-4.9	99	0.00
4		n-Nitrosodimethylamine	40.000	42.257	-5.6	98	0.00
5	S	2-Fluorophenol	80.000	80.566	-0.7	98	0.00
6		Aniline	40.000	40.965	-2.4	98	0.00
7	S	Phenol-d6	80.000	82.973	-3.7	97	0.00
8		2-Chlorophenol	40.000	41.713	-4.3	100	0.00
9		Benzaldehyde	40.000	40.869	-2.2	102	0.00
10	C	Phenol	40.000	41.453	-3.6	98	0.00
11		bis(2-Chloroethyl)ether	40.000	39.116	2.2	94	0.00
12		1,3-Dichlorobenzene	40.000	40.105	-0.3	98	0.00
13	C	1,4-Dichlorobenzene	40.000	41.260	-3.1	99	0.00
14		1,2-Dichlorobenzene	40.000	40.147	-0.4	97	0.00
15		Benzyl Alcohol	40.000	40.968	-2.4	95	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.611	3.5	94	0.00
17		2-Methylphenol	40.000	42.001	-5.0	99	0.00
18		Hexachloroethane	40.000	40.766	-1.9	99	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.703	-1.8	98	0.00
20		3+4-Methylphenols	40.000	41.931	-4.8	98	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	96	0.00
22		Acetophenone	40.000	40.484	-1.2	97	0.00
23	S	Nitrobenzene-d5	80.000	80.376	-0.5	97	0.00
24		Nitrobenzene	40.000	40.357	-0.9	98	0.00
25		Isophorone	40.000	39.682	0.8	96	0.00
26	C	2-Nitrophenol	40.000	41.974	-4.9	102	0.00
27		2,4-Dimethylphenol	40.000	40.598	-1.5	99	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.971	0.1	98	0.00
29	C	2,4-Dichlorophenol	40.000	41.547	-3.9	97	0.00
30		1,2,4-Trichlorobenzene	40.000	41.538	-3.8	101	0.00
31		Naphthalene	40.000	41.269	-3.2	101	0.00
32		Benzoic acid	40.000	41.809	-4.5	97	0.00
33		4-Chloroaniline	40.000	40.590	-1.5	98	0.00
34	C	Hexachlorobutadiene	40.000	40.379	-0.9	96	0.00
35		Caprolactam	40.000	42.755	-6.9	104	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.164	-5.4	103	0.00
37		2-Methylnaphthalene	40.000	40.605	-1.5	98	0.00
38		1-Methylnaphthalene	40.000	40.438	-1.1	99	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.888	-2.2	100	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.714	-4.3	97	0.00
42	S	2,4,6-Tribromophenol	80.000	83.440	-4.3	102	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.419	-3.5	99	0.00
44		2,4,5-Trichlorophenol	40.000	41.556	-3.9	102	0.00
45	S	2-Fluorobiphenyl	80.000	80.357	-0.4	99	0.00
46		1,1'-Biphenyl	40.000	40.745	-1.9	100	0.00
47		2-Chloronaphthalene	40.000	40.951	-2.4	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056134.D
Acq On : 27 Dec 2022 20:24
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Quant Time: Dec 28 05:22:48 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 05:20:14 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.149	-5.4	103	0.00
49		Acenaphthylene	40.000	40.686	-1.7	100	0.00
50		Dimethylphthalate	40.000	40.982	-2.5	101	0.00
51		2,6-Dinitrotoluene	40.000	41.114	-2.8	103	0.00
52	C	Acenaphthene	40.000	41.654	-4.1	101	0.00
53		3-Nitroaniline	40.000	42.042	-5.1	103	0.00
54	P	2,4-Dinitrophenol	40.000	43.334	-8.3	102	0.00
55		Dibenzofuran	40.000	41.180	-2.9	100	0.00
56	P	4-Nitrophenol	40.000	42.310	-5.8	102	0.00
57		2,4-Dinitrotoluene	40.000	42.213	-5.5	102	0.00
58		Fluorene	40.000	40.509	-1.3	100	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.844	-4.6	103	0.00
60		Diethylphthalate	40.000	41.116	-2.8	101	0.00
61		4-Chlorophenyl-phenylether	40.000	40.928	-2.3	100	0.00
62		4-Nitroaniline	40.000	41.527	-3.8	100	0.00
63		Azobenzene	40.000	40.042	-0.1	100	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.663	-6.7	104	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.146	-0.4	102	0.00
67		4-Bromophenyl-phenylether	40.000	39.928	0.2	101	0.00
68		Hexachlorobenzene	40.000	40.388	-1.0	102	0.00
69		Atrazine	40.000	40.223	-0.6	100	0.00
70	C	Pentachlorophenol	40.000	41.702	-4.3	103	0.00
71		Phenanthrene	40.000	40.305	-0.8	102	0.00
72		Anthracene	40.000	40.446	-1.1	102	0.00
73		Carbazole	40.000	40.029	-0.1	101	0.00
74		Di-n-butylphthalate	40.000	41.078	-2.7	103	0.00
75	C	Fluoranthene	40.000	40.173	-0.4	101	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	102	0.00
77		Benzidine	40.000	38.970	2.6	95	0.00
78		Pyrene	40.000	39.693	0.8	102	0.00
79	S	Terphenyl-d14	80.000	78.859	1.4	101	0.00
80		Butylbenzylphthalate	40.000	40.426	-1.1	102	0.00
81		Benzo(a)anthracene	40.000	40.053	-0.1	101	0.00
82		3,3'-Dichlorobenzidine	40.000	40.280	-0.7	99	0.00
83		Chrysene	40.000	40.269	-0.7	101	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.444	1.4	99	0.00
85	c	Di-n-octyl phthalate	40.000	40.429	-1.1	101	0.00
86	I	Perylene-d12	20.000	20.000	0.0	101	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.495	-1.2	101	-0.01
88		Benzo(b)fluoranthene	40.000	40.380	-1.0	100	0.00
89		Benzo(k)fluoranthene	40.000	40.524	-1.3	101	0.00
90	C	Benzo(a)pyrene	40.000	40.372	-0.9	101	0.00
91		Dibenzo(a,h)anthracene	40.000	40.291	-0.7	101	0.00
92		Benzo(g,h,i)perylene	40.000	40.151	-0.4	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056134.D
Acq On : 27 Dec 2022 20:24
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG122722

Quant Time: Dec 28 05:22:48 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 05:20:14 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_P Calibration Date(s): 01/23/2023 01/23/2023

Calibration Time(s): 11:25 16:01

LAB FILE ID: RRF2.5 = BP013545.D RRF005 = BP013546.D RRF010 = BP013547.D
RRF020 = BP013548.D RRF040 = BP013549.D RRF050 = BP013550.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.214	1.132	1.167	1.231	1.185	1.167	4.1
Benzaldehyde		1.173	1.061	1.015	0.916	0.809	0.995	14.0
Phenol-d6		1.602	1.516	1.588	1.626	1.590	1.571	2.7
Phenol		1.647	1.588	1.649	1.678	1.650	1.628	2.4
bis(2-Chloroethyl)ether		1.406	1.327	1.359	1.360	1.327	1.331	3.8
2-Chlorophenol		1.272	1.247	1.312	1.334	1.311	1.288	2.5
2-Methylphenol		1.194	1.152	1.210	1.208	1.194	1.182	2.2
2,2-oxybis(1-Chloropropane)		1.981	1.864	1.888	1.837	1.785	1.822	5.6
Acetophenone		0.519	0.502	0.520	0.532	0.524	0.513	3.1
3+4-Methylphenols		1.531	1.497	1.574	1.582	1.587	1.556	2.1
n-Nitroso-di-n-propylamine	0.854	1.090	1.050	1.084	1.023	1.017	1.012	7.4
Nitrobenzene-d5		0.231	0.255	0.297	0.330	0.340	0.303	14.5
Hexachloroethane		0.479	0.468	0.485	0.506	0.495	0.483	2.9
Nitrobenzene		0.267	0.285	0.324	0.351	0.356	0.326	11.1
Isophorone		0.730	0.700	0.727	0.718	0.726	0.719	1.5
2-Nitrophenol		0.057	0.064	0.085	0.106	0.122	0.094	32.2
2,4-Dimethylphenol		0.291	0.292	0.312	0.321	0.323	0.310	4.3
bis(2-Chloroethoxy)methane		0.436	0.416	0.437	0.439	0.443	0.433	2.1
2,4-Dichlorophenol		0.247	0.260	0.282	0.298	0.303	0.285	8.3
Naphthalene		1.084	1.044	1.078	1.108	1.103	1.075	2.6
4-Chloroaniline		0.475	0.456	0.476	0.482	0.486	0.476	2.0
Hexachlorobutadiene		0.189	0.183	0.189	0.198	0.194	0.189	2.8
Caprolactam		0.085	0.081	0.091	0.091	0.094	0.093	10.0
4-Chloro-3-methylphenol		0.283	0.281	0.315	0.314	0.325	0.311	6.7
2-Methylnaphthalene		0.770	0.744	0.769	0.772	0.778	0.764	1.5
Hexachlorocyclopentadiene			0.218	0.252	0.302	0.325	0.290	15.3
2,4,6-Trichlorophenol		0.289	0.310	0.351	0.381	0.401	0.360	12.5
2-Fluorobiphenyl		1.472	1.448	1.468	1.532	1.524	1.457	5.2
2,4,5-Trichlorophenol		0.337	0.369	0.415	0.453	0.474	0.426	12.7
1,1-Biphenyl		1.616	1.566	1.596	1.677	1.672	1.606	3.8
2-Chloronaphthalene		1.202	1.171	1.201	1.253	1.251	1.203	3.4
2-Nitroaniline		0.125	0.152	0.213	0.263	0.295	0.241	33.1
Dimethylphthalate		1.492	1.429	1.487	1.499	1.518	1.487	1.9
Acenaphthylene		1.931	1.901	1.972	2.038	2.042	1.968	3.0
2,6-Dinitrotoluene		0.125	0.165	0.233	0.264	0.287	0.240	29.4
3-Nitroaniline		0.154	0.194	0.260	0.301	0.323	0.275	27.9

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_P Calibration Date(s): 01/23/2023 01/23/2023

Calibration Time(s): 11:25 16:01

LAB FILE ID: RRF2.5 = BP013545.D RRF005 = BP013546.D RRF010 = BP013547.D
RRF020 = BP013548.D RRF040 = BP013549.D RRF050 = BP013550.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Acenaphthene		1.197	1.165	1.200	1.251	1.263	1.216	2.8
2,4-Dinitrophenol		0.033	0.038	0.051	0.065	0.078	0.058	37.6
4-Nitrophenol			0.145	0.195	0.229	0.241	0.212	20.1
Dibenzofuran		1.905	1.832	1.863	1.902	1.911	1.864	2.3
2,4-Dinitrotoluene		0.133	0.175	0.263	0.313	0.351	0.266	35.5
Diethylphthalate		1.471	1.383	1.460	1.450	1.458	1.452	2.8
4-Chlorophenyl-phenylether		0.745	0.705	0.732	0.736	0.744	0.729	2.1
Fluorene		1.523	1.445	1.503	1.509	1.513	1.482	2.7
4-Nitroaniline		0.168	0.198	0.267	0.311	0.323	0.265	25.4
4,6-Dinitro-2-methylphenol			0.027	0.040	0.053	0.065	0.058	39.2
n-Nitrosodiphenylamine		0.634	0.631	0.663	0.675	0.686	0.652	4.5
2,4,6-Tribromophenol		0.167	0.172	0.199	0.213	0.226	0.201	13.2
4-Bromophenyl-phenylether		0.214	0.210	0.220	0.226	0.233	0.222	4.1
Hexachlorobenzene		0.235	0.227	0.237	0.243	0.250	0.239	3.4
Atrazine		0.174	0.171	0.189	0.199	0.194	0.187	5.4
Pentachlorophenol			0.099	0.127	0.143	0.151	0.139	16.5
Phenanthrene		1.134	1.075	1.111	1.151	1.145	1.113	3.3
Anthracene		1.115	1.085	1.132	1.181	1.167	1.129	3.6
Carbazole		1.018	0.962	1.001	1.066	1.042	1.015	3.3
Di-n-butylphthalate		1.055	0.996	1.116	1.186	1.186	1.130	6.9
Fluoranthene		1.200	1.090	1.134	1.255	1.206	1.183	4.7
Pyrene		1.598	1.534	1.636	1.482	1.539	1.529	4.8
Terphenyl-d14		1.183	1.124	1.204	1.112	1.126	1.112	7.7
Butylbenzylphthalate		0.404	0.407	0.487	0.527	0.545	0.487	13.7
3,3-Dichlorobenzidine		0.392	0.390	0.439	0.482	0.487	0.449	9.5
Benzo(a)anthracene		1.403	1.336	1.388	1.431	1.430	1.393	2.6
Chrysene		1.337	1.294	1.343	1.376	1.366	1.333	2.7
Bis(2-ethylhexyl)phthalate		0.691	0.677	0.751	0.814	0.821	0.779	9.7
Di-n-octyl phthalate		1.022	1.041	1.144	1.362	1.374	1.256	14.6
Benzo(b)fluoranthene		1.203	1.148	1.199	1.268	1.267	1.230	4.0
Benzo(k)fluoranthene		1.250	1.198	1.250	1.263	1.266	1.255	2.8
Benzo(a)pyrene		1.154	1.118	1.177	1.240	1.242	1.194	3.9
Indeno(1,2,3-cd)pyrene		1.332	1.396	1.481	1.589	1.607	1.473	8.4
Dibenzo(a,h)anthracene		1.101	1.171	1.240	1.331	1.355	1.236	8.7
Benzo(g,h,i)perylene		1.097	1.162	1.219	1.297	1.319	1.206	8.6
1,2,4,5-Tetrachlorobenzene		0.594	0.591	0.604	0.652	0.653	0.616	4.6

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_P Calibration Date(s): 01/23/2023 01/23/2023

Calibration Time(s): 11:25 16:01

LAB FILE ID: RRF2.5 = BP013545.D RRF005 = BP013546.D RRF010 = BP013547.D
RRF020 = BP013548.D RRF040 = BP013549.D RRF050 = BP013550.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
1,4-Dioxane		0.496	0.484	0.477	0.495	0.475	0.471	6.0
2,3,4,6-Tetrachlorophenol		0.273	0.284	0.318	0.337	0.348	0.327	11.5

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP012323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jan 24 04:44:15 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BP013545.D 5 =BP013546.D 10 =BP013547.D 20 =BP013548.D 40 =BP013549.D 50 =BP013550.D 60 =BP013551.D 80 =BP0135
52.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.496	0.484	0.477	0.495	0.475	0.451	0.417	0.471	5.98
3)		Pyridine		1.435	1.372	1.356	1.479	1.425	1.385	1.327	1.397	3.73
4)		n-Nitrosodimet...		0.665	0.639	0.646	0.662	0.634	0.607	0.569	0.632	5.34
5)	S	2-Fluorophenol		1.214	1.132	1.167	1.231	1.185	1.153	1.090	1.167	4.12
6)		Aniline		2.143	2.087	2.149	2.168	2.121	2.080	2.027	2.110	2.32
7)	S	Phenol-d6		1.602	1.516	1.588	1.626	1.590	1.559	1.517	1.571	2.69
8)		2-Chlorophenol		1.272	1.247	1.312	1.334	1.311	1.285	1.254	1.288	2.52
9)		Benzaldehyde		1.173	1.061	1.015	0.916	0.809			0.995	13.95
10)	C	Phenol		1.647	1.588	1.649	1.678	1.650	1.615	1.567	1.628	2.42
11)		bis(2-Chloroet...		1.406	1.327	1.359	1.360	1.327	1.285	1.253	1.331	3.81
12)		1,3-Dichlorobe...		1.507	1.421	1.454	1.479	1.419	1.374	1.318	1.424	4.49
13)	C	1,4-Dichlorobe...		1.534	1.462	1.461	1.496	1.434	1.390	1.333	1.444	4.62
14)		1,2-Dichlorobe...		1.496	1.415	1.424	1.440	1.386	1.345	1.283	1.399	4.94
15)		Benzyl Alcohol		1.139	1.068	1.135	1.139	1.137	1.127	1.114	1.122	2.29
16)		2,2'-oxybis(1-...		1.981	1.864	1.888	1.837	1.785	1.729	1.674	1.822	5.64
17)		2-Methylphenol		1.194	1.152	1.210	1.208	1.194	1.171	1.146	1.182	2.19
18)		Hexachloroethane		0.479	0.468	0.485	0.506	0.495	0.480	0.467	0.483	2.93
19)	P	n-Nitroso-di-n...	0.854	1.090	1.050	1.084	1.023	1.017	0.998	0.978	1.012	7.40
20)		3+4-Methylphenols		1.531	1.497	1.574	1.582	1.587	1.561	1.559	1.556	2.05
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.519	0.502	0.520	0.532	0.524	0.510	0.485	0.513	3.08
23)	S	Nitrobenzene-d5		0.231	0.255	0.297	0.330	0.340	0.337	0.331	0.303	14.54
24)		Nitrobenzene		0.267	0.285	0.324	0.351	0.356	0.353	0.345	0.326	11.09
25)		Isophorone		0.730	0.700	0.727	0.718	0.726	0.716	0.712	0.719	1.46
26)	C	2-Nitrophenol		0.057	0.064	0.085	0.106	0.122	0.130		0.094	32.19#
27)		2,4-Dimethylph...		0.291	0.292	0.312	0.321	0.323	0.319	0.312	0.310	4.29
28)		bis(2-Chloroet...		0.436	0.416	0.437	0.439	0.443	0.434	0.426	0.433	2.11
29)	C	2,4-Dichloroph...		0.247	0.260	0.282	0.298	0.303	0.303	0.305	0.285	8.26
30)		1,2,4-Trichlor...		0.325	0.311	0.324	0.336	0.335	0.329	0.320	0.326	2.64
31)		Naphthalene		1.084	1.044	1.078	1.108	1.103	1.075	1.035	1.075	2.56
32)		Benzoic acid			0.077	0.106	0.131	0.155	0.166	0.196	0.138	31.08
33)		4-Chloroaniline		0.475	0.456	0.476	0.482	0.486	0.478	0.477	0.476	1.98
34)	C	Hexachlorobuta...		0.189	0.183	0.189	0.198	0.194	0.189	0.184	0.189	2.76
35)		Caprolactam		0.085	0.081	0.091	0.091	0.094	0.097	0.110	0.093	9.99
36)	C	4-Chloro-3-met...		0.283	0.281	0.315	0.314	0.325	0.323	0.334	0.311	6.68
37)		2-Methylnaphth...		0.770	0.744	0.769	0.772	0.778	0.762	0.755	0.764	1.48
38)		1-Methylnaphth...		0.731	0.701	0.727	0.717	0.728	0.715	0.707	0.718	1.57

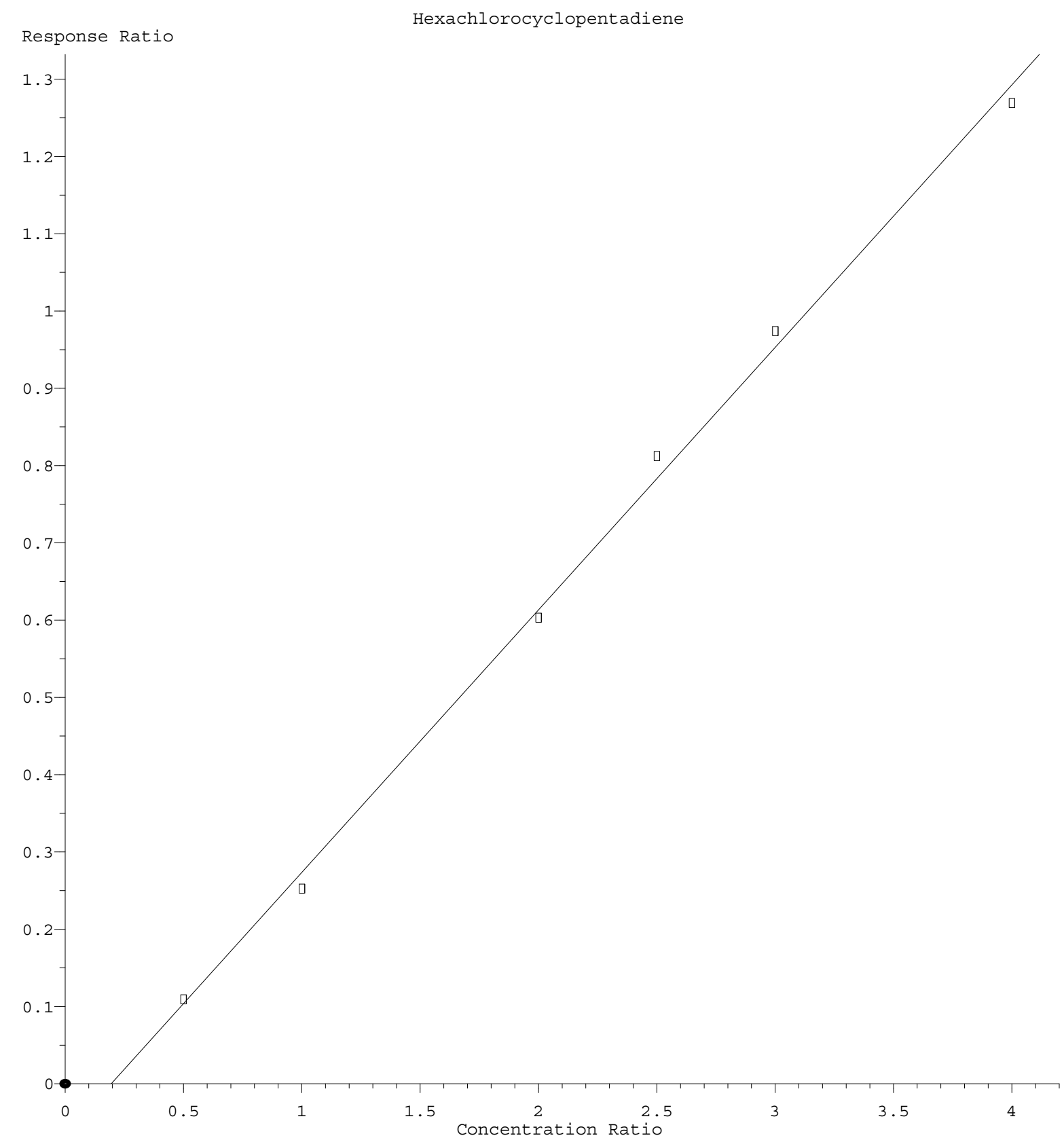
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP012323.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.594	0.591	0.604	0.652	0.653	0.627	0.590	0.616	4.55
41)	P	Hexachlorocycl...		0.218	0.252	0.302	0.325	0.325	0.317	0.290	15.30
42)	S	2,4,6-Tribromo...	0.167	0.172	0.199	0.213	0.226	0.227		0.201	13.18
43)	C	2,4,6-Trichlor...	0.289	0.310	0.351	0.381	0.401	0.396	0.395	0.360	12.51
44)		2,4,5-Trichlor...	0.337	0.369	0.415	0.453	0.474	0.467	0.465	0.426	12.70
45)	S	2-Fluorobiphenyl	1.472	1.448	1.468	1.532	1.524	1.454	1.302	1.457	5.22
46)		1,1'-Biphenyl	1.616	1.566	1.596	1.677	1.672	1.614	1.503	1.606	3.76
47)		2-Chloronaphth...	1.202	1.171	1.201	1.253	1.251	1.209	1.137	1.203	3.45
48)		2-Nitroaniline	0.125	0.152	0.213	0.263	0.295	0.305	0.332	0.241	33.07
49)		Acenaphthylene	1.931	1.901	1.972	2.038	2.042	1.989	1.903	1.968	3.00
50)		Dimethylphthalate	1.492	1.429	1.487	1.499	1.518	1.477	1.506	1.487	1.93
51)		2,6-Dinitrotol...	0.125	0.165	0.233	0.264	0.287	0.291	0.315	0.240	29.36
52)	C	Acenaphthene	1.197	1.165	1.200	1.251	1.263	1.229	1.205	1.216	2.80
53)		3-Nitroaniline	0.154	0.194	0.260	0.301	0.323	0.328	0.366	0.275	27.92
54)	P	2,4-Dinitrophenol	0.033	0.038	0.051	0.065	0.078	0.087		0.058	37.60
55)		Dibenzofuran	1.905	1.832	1.863	1.902	1.911	1.840	1.797	1.864	2.34
56)	P	4-Nitrophenol		0.145	0.195	0.229	0.241	0.249		0.212	20.07
57)		2,4-Dinitrotol...	0.133	0.175	0.263	0.313	0.351	0.362		0.266	35.50
58)		Fluorene	1.523	1.445	1.503	1.509	1.513	1.456	1.420	1.482	2.71
59)		2,3,4,6-Tetrac...	0.273	0.284	0.318	0.337	0.348	0.352	0.377	0.327	11.49
60)		Diethylphthalate	1.471	1.383	1.460	1.450	1.458	1.427	1.516	1.452	2.79
61)		4-Chlorophenyl...	0.745	0.705	0.732	0.736	0.744	0.723	0.714	0.729	2.06
62)		4-Nitroaniline	0.168	0.198	0.267	0.311	0.323	0.323		0.265	25.44
63)		Azobenzene	1.474	1.388	1.432	1.420	1.417	1.372	1.373	1.411	2.58
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.027	0.040	0.053	0.065	0.072	0.090	0.058	39.19
66)	c	n-Nitrosodiphe...	0.634	0.631	0.663	0.675	0.686	0.672	0.604	0.652	4.54
67)		4-Bromophenyl-...	0.214	0.210	0.220	0.226	0.233	0.233	0.216	0.222	4.15
68)		Hexachlorobenzene	0.235	0.227	0.237	0.243	0.250	0.248	0.235	0.239	3.44
69)		Atrazine	0.174	0.171	0.189	0.199	0.194	0.191	0.189	0.187	5.42
70)	C	Pentachlorophenol		0.099	0.127	0.143	0.151	0.153	0.163	0.139	16.51
71)		Phenanthrene	1.134	1.075	1.111	1.151	1.145	1.121	1.053	1.113	3.29
72)		Anthracene	1.115	1.085	1.132	1.181	1.167	1.151	1.075	1.129	3.56
73)		Carbazole	1.018	0.962	1.001	1.066	1.042	1.014	1.002	1.015	3.25
74)		Di-n-butylphth...	1.055	0.996	1.116	1.186	1.186	1.165	1.204	1.130	6.94
75)	C	Fluoranthene	1.200	1.090	1.134	1.255	1.206	1.174	1.224	1.183	4.75
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.546	0.523	0.502	0.528	0.458	0.476	0.488	0.503	6.22
78)		Pyrene	1.598	1.534	1.636	1.482	1.539	1.498	1.418	1.529	4.75
79)	S	Terphenyl-d14	1.183	1.124	1.204	1.112	1.126	1.093	0.940	1.112	7.67
80)		Butylbenzylpht...	0.404	0.407	0.487	0.527	0.545	0.552		0.487	13.72
81)		Benzo(a)anthra...	1.403	1.336	1.388	1.431	1.430	1.410	1.355	1.393	2.62
82)		3,3'-Dichlorob...	0.392	0.390	0.439	0.482	0.487	0.486	0.466	0.449	9.51
83)		Chrysene	1.337	1.294	1.343	1.376	1.366	1.338	1.275	1.333	2.74
84)		Bis(2-ethylhex...	0.691	0.677	0.751	0.814	0.821	0.820	0.881	0.779	9.65
85)	c	Di-n-octyl pht...	1.022	1.041	1.144	1.362	1.374	1.380	1.472	1.256	14.56

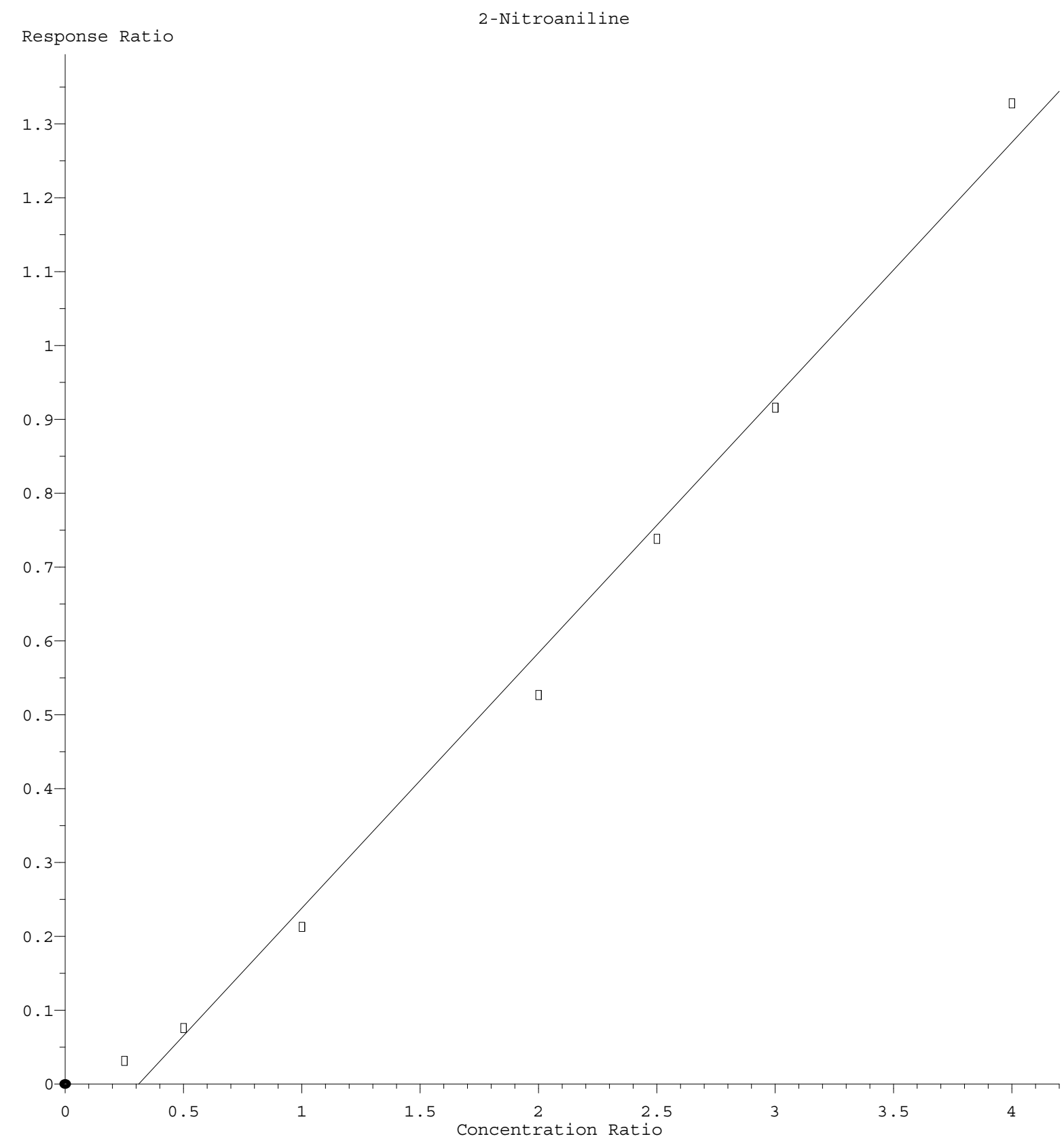
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP012323.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.332	1.396	1.481	1.589	1.607	1.584	1.324	1.473	8.39
88)		Benzo(b)fluora...	1.203	1.148	1.199	1.268	1.267	1.244	1.283	1.230	3.96
89)		Benzo(k)fluora...	1.250	1.198	1.250	1.263	1.266	1.243	1.314	1.255	2.75
90)	C	Benzo(a)pyrene	1.154	1.118	1.177	1.240	1.242	1.219	1.204	1.194	3.86
91)		Dibenzo(a,h)an...	1.101	1.171	1.240	1.331	1.355	1.335	1.118	1.236	8.70
92)		Benzo(g,h,i)pe...	1.097	1.162	1.219	1.297	1.319	1.293	1.056	1.206	8.63

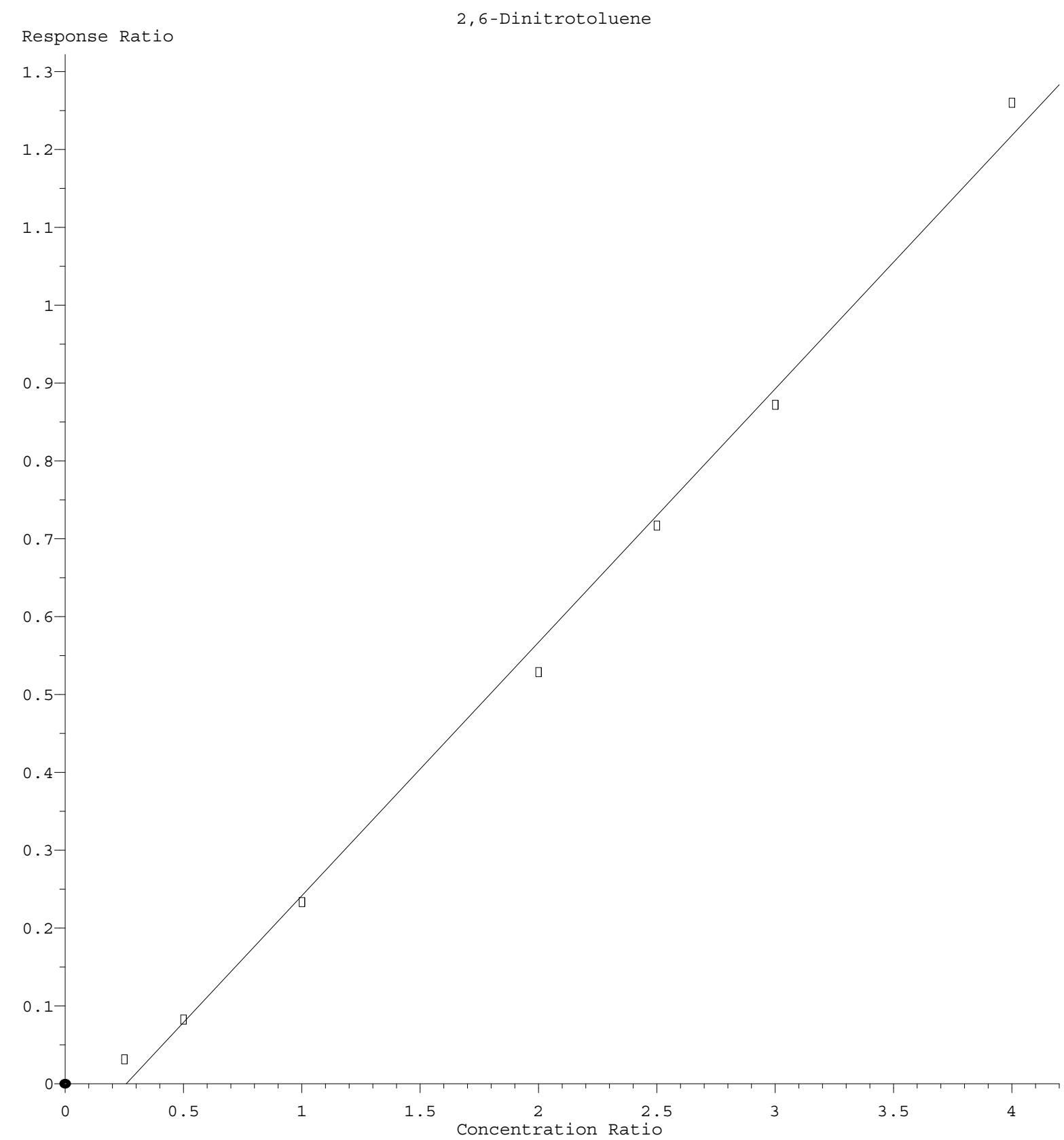
(#) = Out of Range



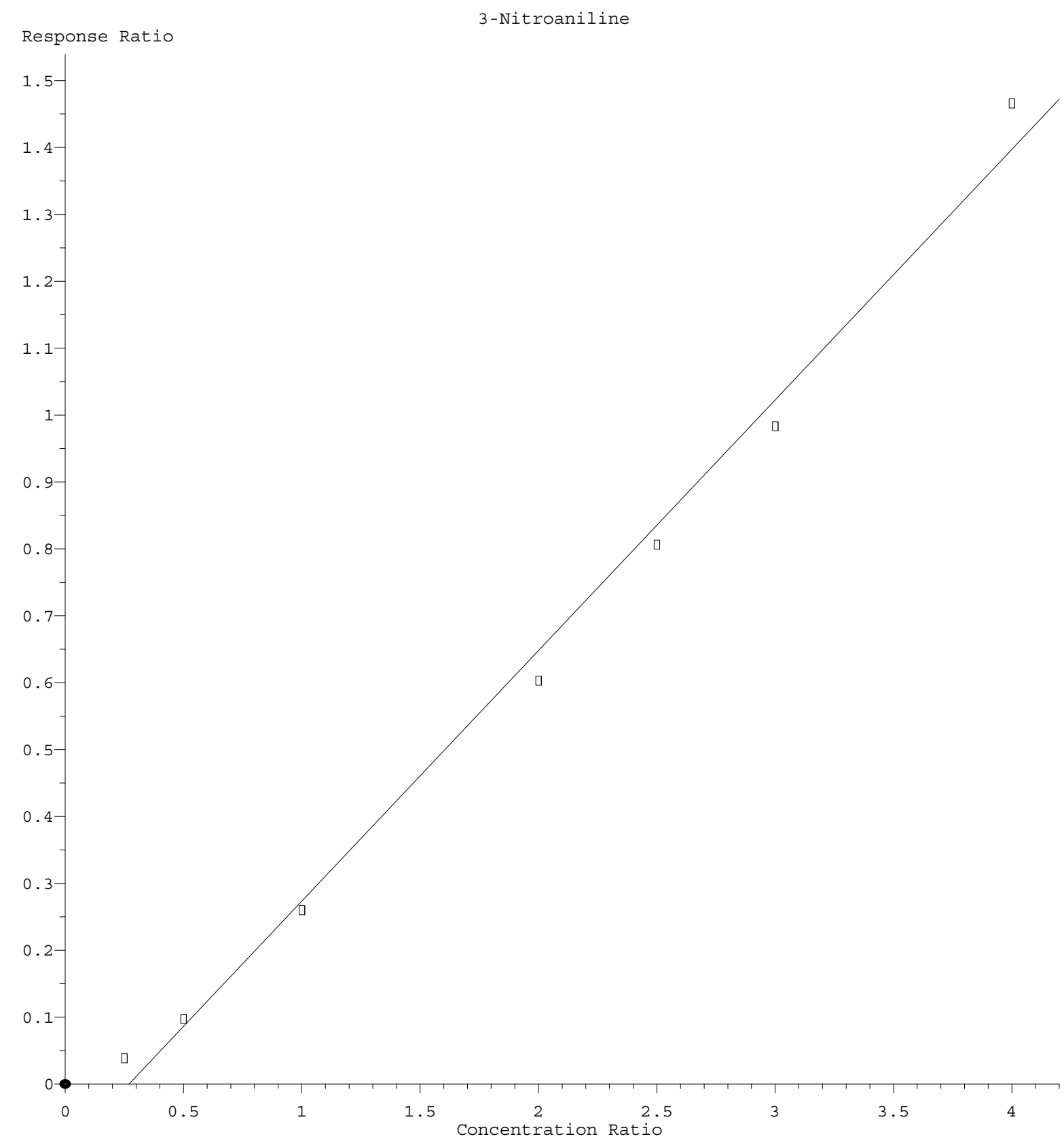
Response = 3.398e-001 * Amt - 6.632e-002
Coef of Det (r^2) = 0.997487 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012323.M
Calibration Table Last Updated: Tue Jan 24 04:44:15 2023



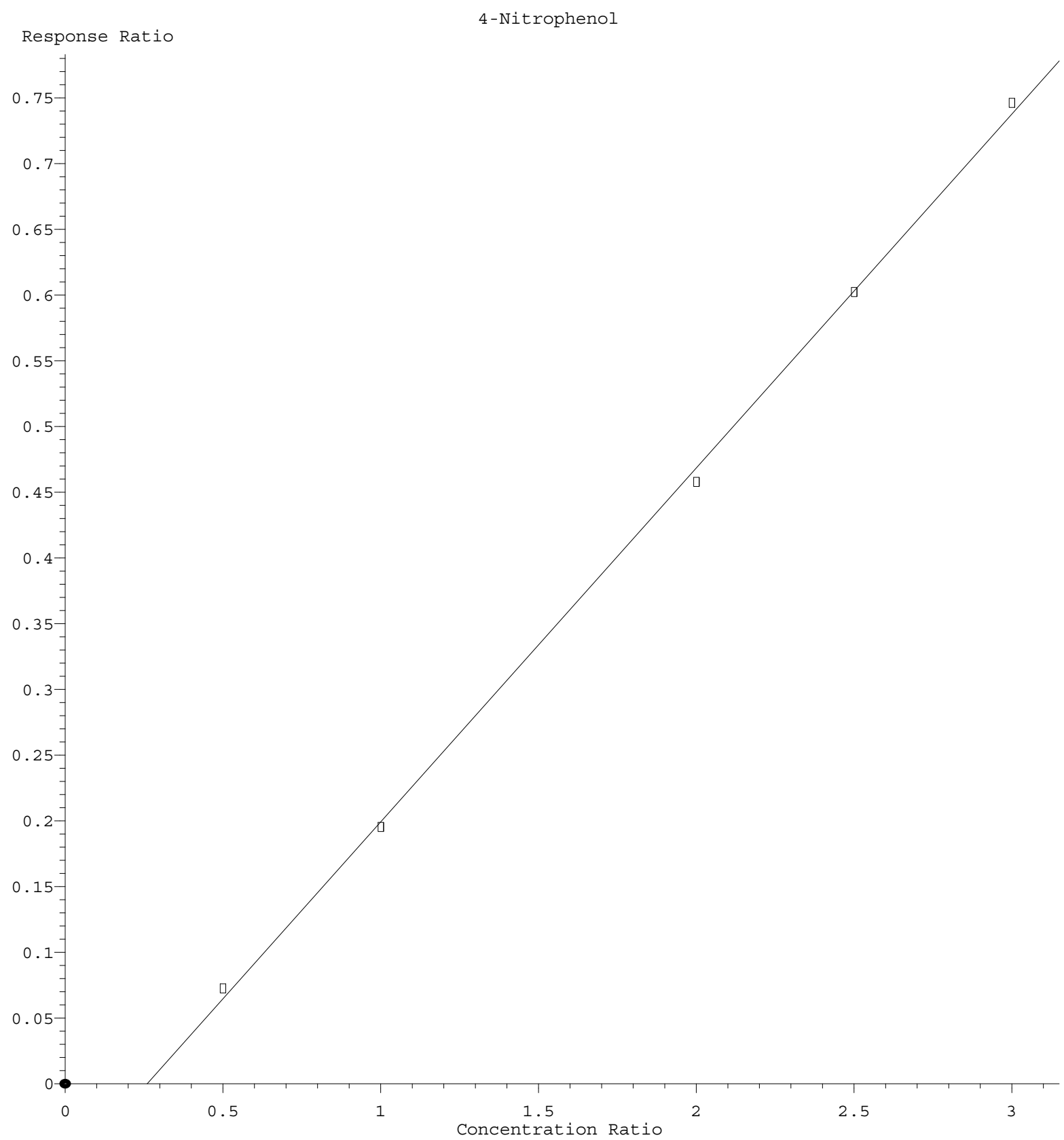
Response = 3.457e-001 * Amt - 1.075e-001
Coef of Det (r^2) = 0.992721 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012323.M
Calibration Table Last Updated: Tue Jan 24 04:44:15 2023



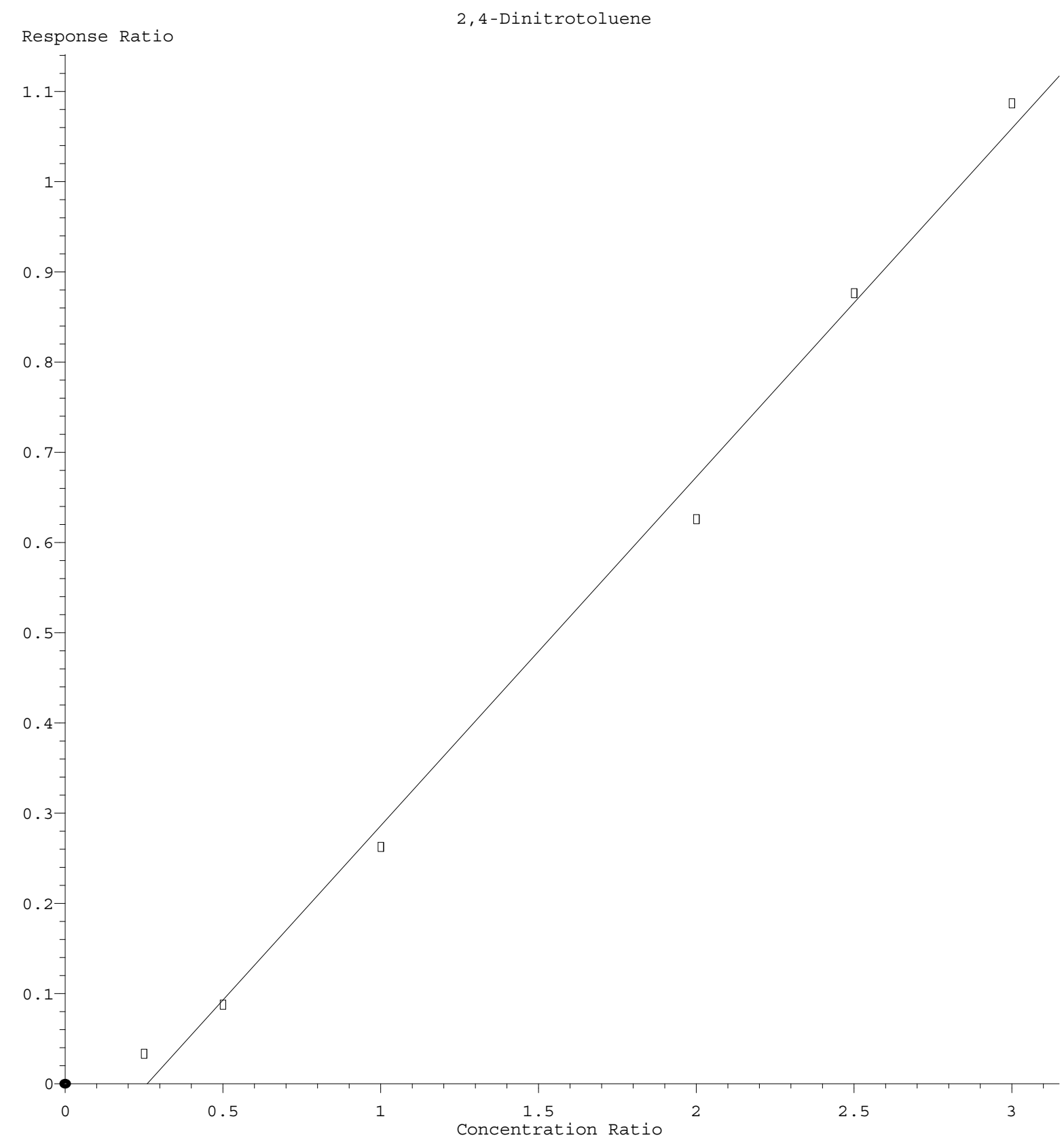
Response = 3.255e-001 * Amt - 8.404e-002
Coef of Det (r^2) = 0.995874 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012323.M
Calibration Table Last Updated: Tue Jan 24 04:44:15 2023



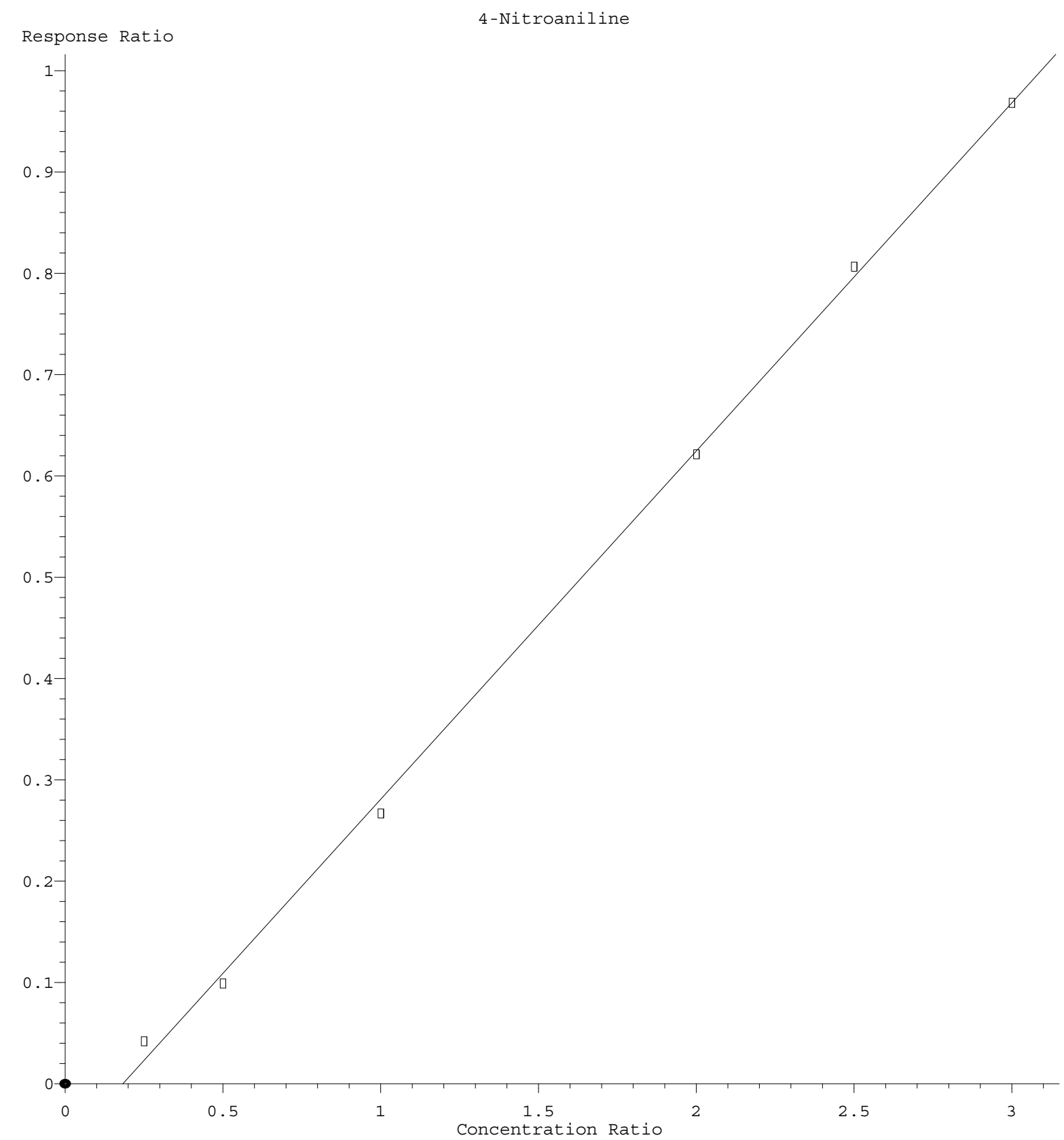
Response = 3.745e-001 * Amt - 1.013e-001
Coef of Det (r^2) = 0.992875 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012323.M
Calibration Table Last Updated: Tue Jan 24 04:44:15 2023



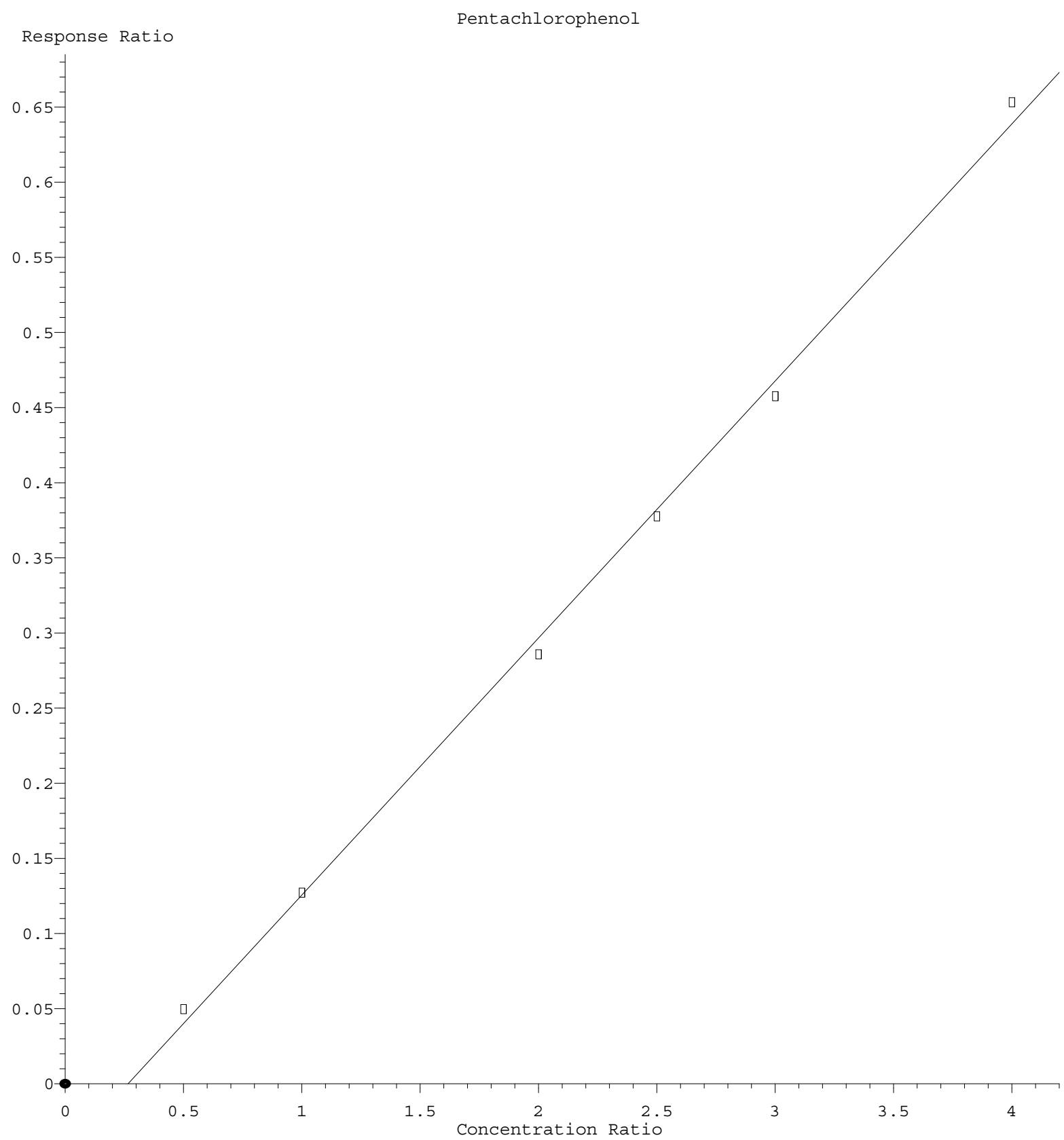
Response = 2.693e-001 * Amt - 6.991e-002
Coef of Det (r^2) = 0.999157 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012323.M
Calibration Table Last Updated: Tue Jan 24 04:44:15 2023



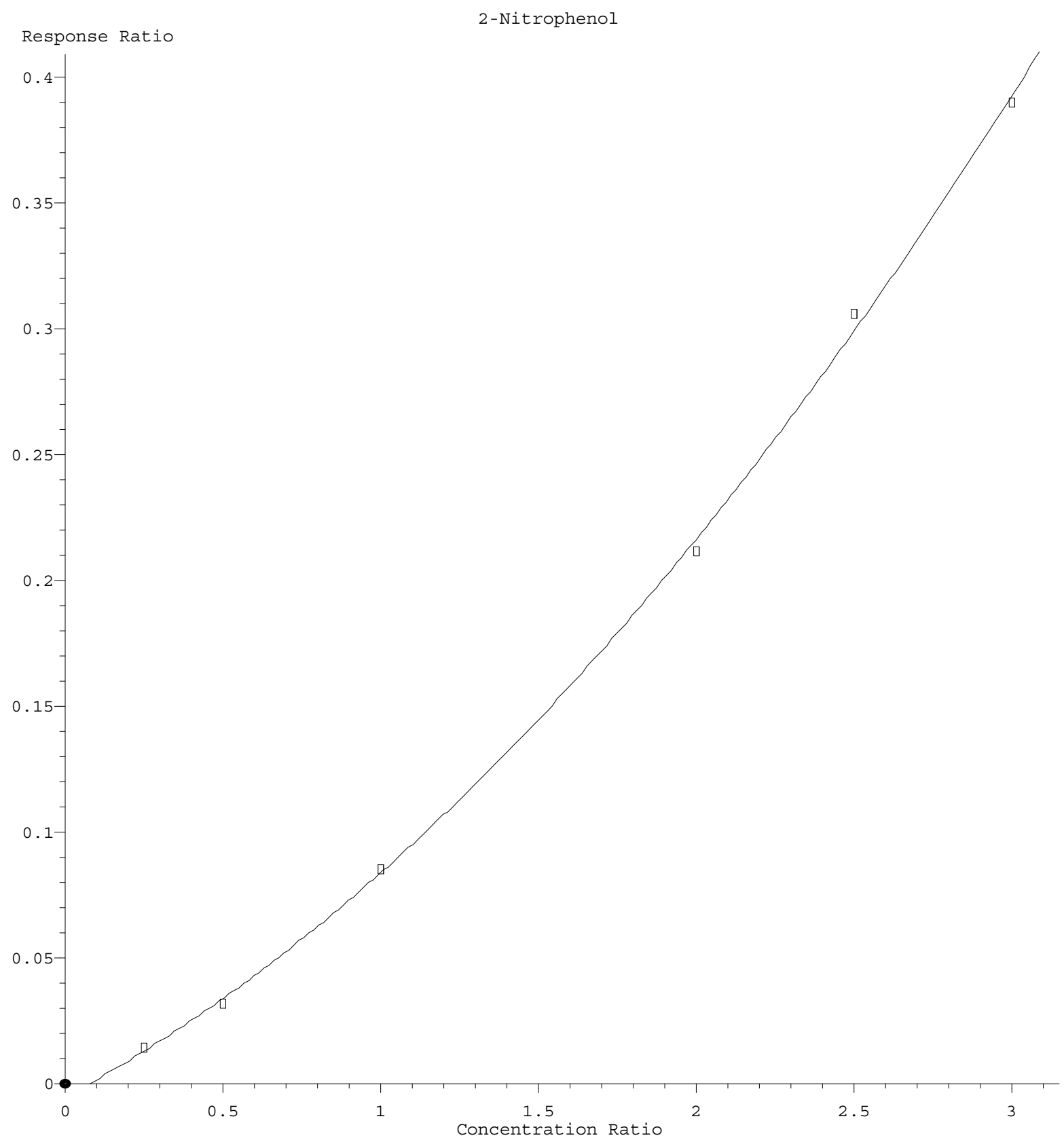
Response = 3.864e-001 * Amt - 1.003e-001
Coef of Det (r^2) = 0.994698 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012323.M
Calibration Table Last Updated: Tue Jan 24 04:44:15 2023



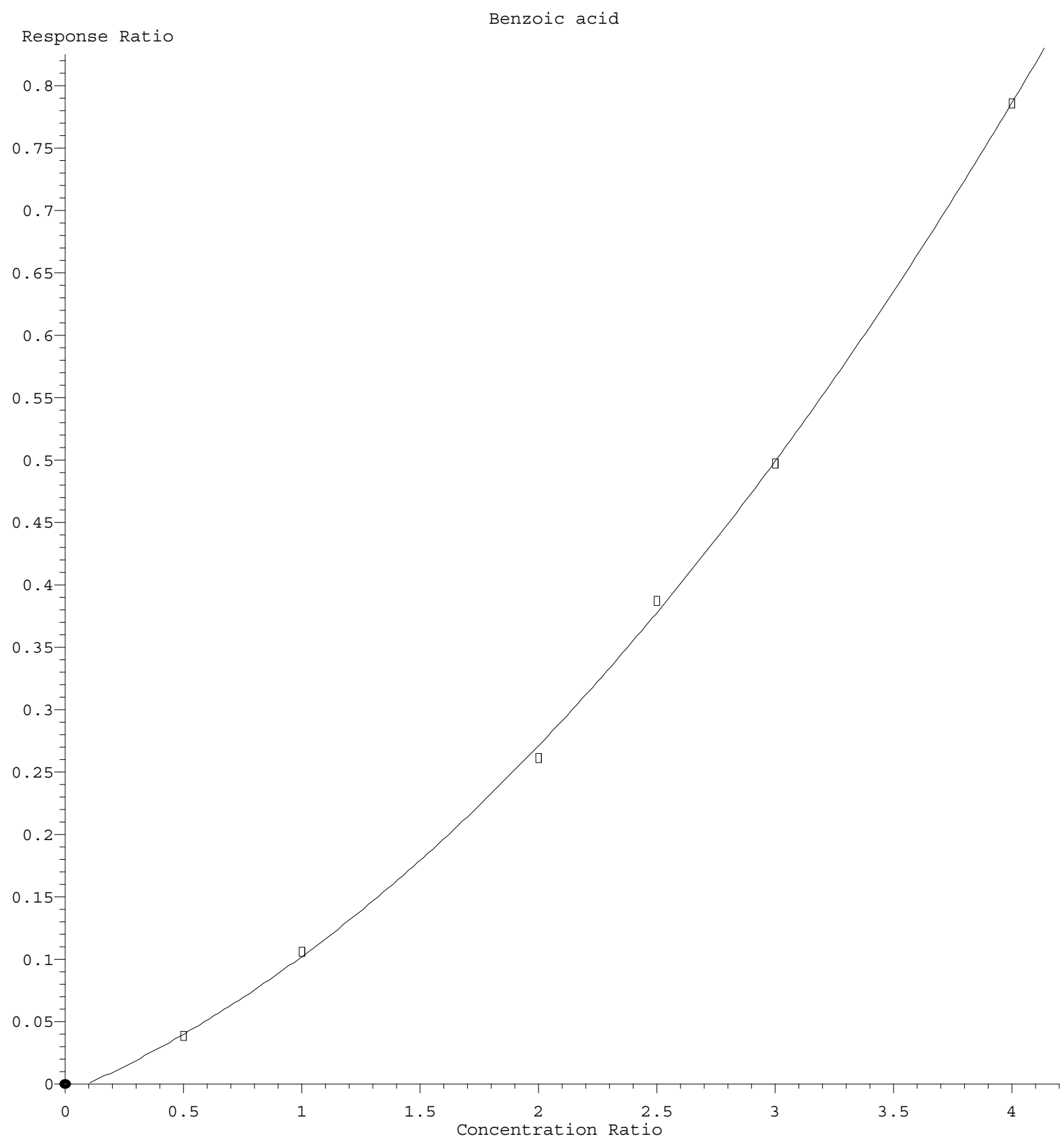
Response = 3.440e-001 * Amt - 6.300e-002
Coef of Det (r^2) = 0.998978 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012323.M
Calibration Table Last Updated: Tue Jan 24 04:44:15 2023



Response = 1.711e-001 * Amt - 4.559e-002
Coef of Det (r^2) = 0.997767 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012323.M
Calibration Table Last Updated: Tue Jan 24 04:44:15 2023

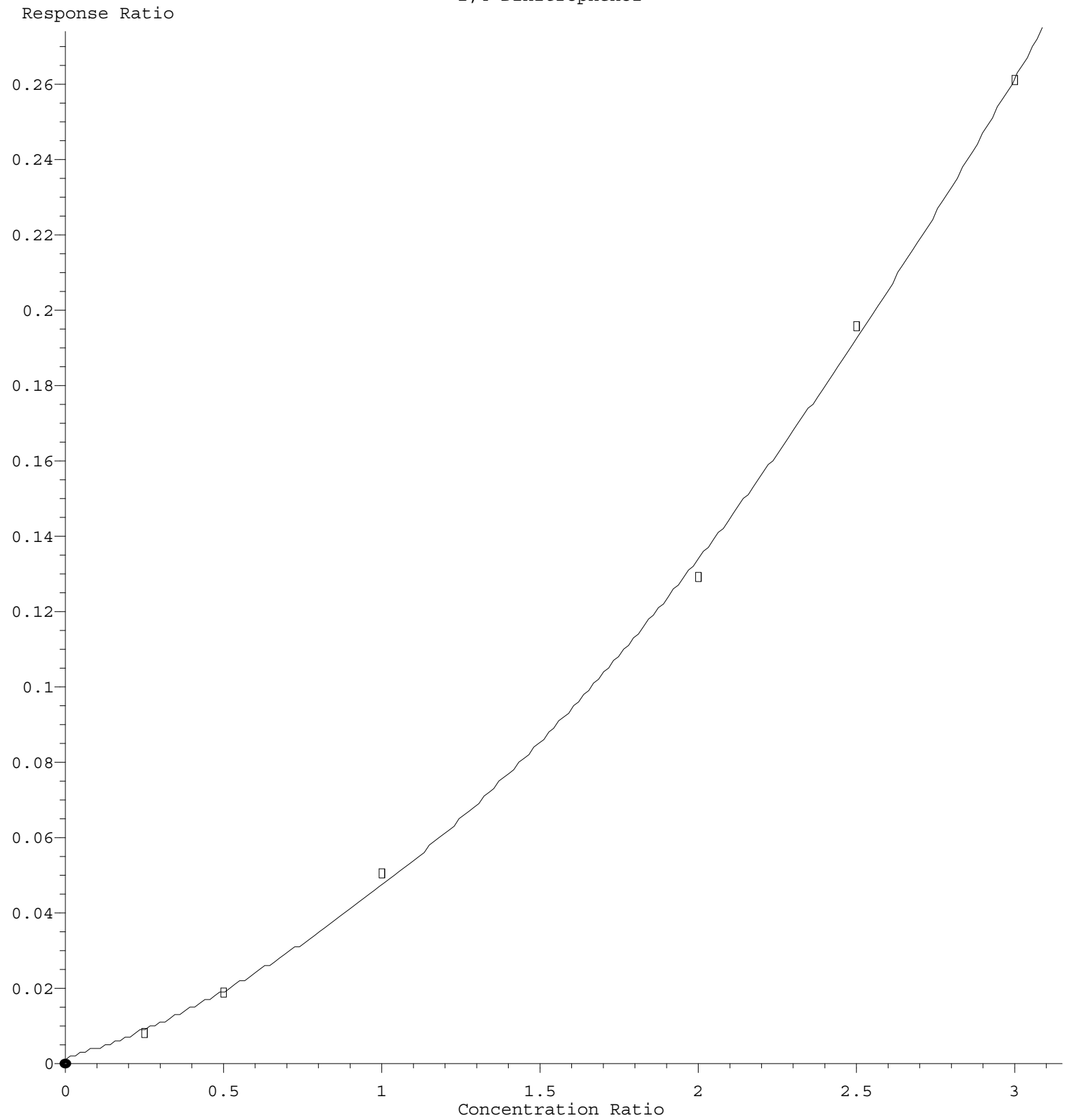


R = 2.177e-002 A*A + 6.727e-002 A - 5.218e-003
Coef of Det (r^2) = 0.999284 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012323.M
Calibration Table Last Updated: Tue Jan 24 04:44:15 2023



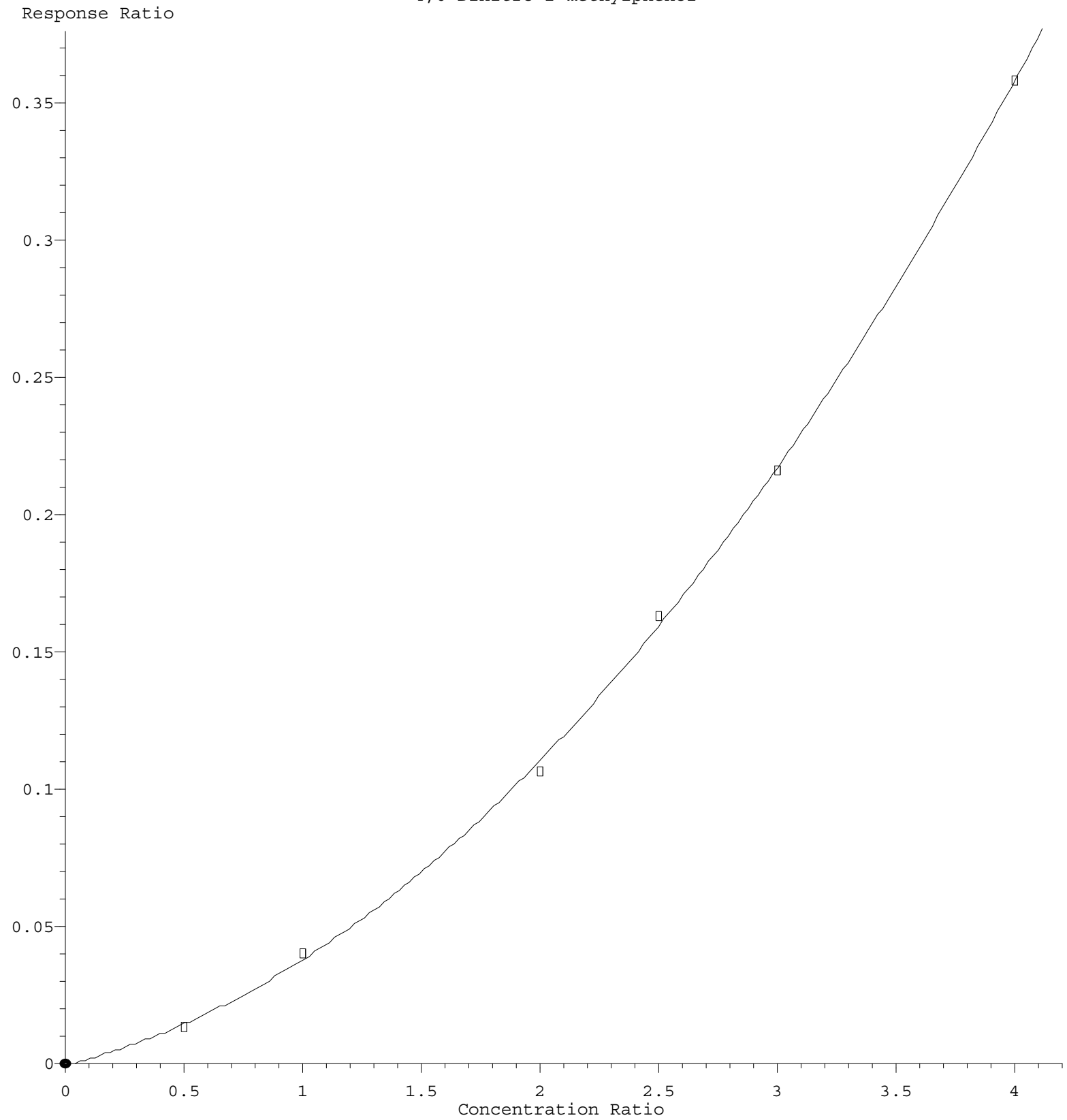
R = 2.953e-002 A*A + 8.035e-002 A - 7.788e-003
Coef of Det (r^2) = 0.999454 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012323.M
Calibration Table Last Updated: Tue Jan 24 04:44:15 2023

2,4-Dinitrophenol



R = 2.048e-002 A*A + 2.526e-002 A + 1.465e-003
Coef of Det (r^2) = 0.999160 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012323.M
Calibration Table Last Updated: Tue Jan 24 04:44:15 2023

4,6-Dinitro-2-methylphenol



R = 1.711e-002 A*A + 2.122e-002 A - 5.198e-004
Coef of Det (r^2) = 0.999553 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012323.M
Calibration Table Last Updated: Tue Jan 24 04:44:15 2023

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013545.D
Acq On : 23 Jan 2023 11:25
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Jan 24 03:01:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.163	152	238700	20.000	ng	0.00
21) Naphthalene-d8	10.999	136	960608	20.000	ng	0.00
39) Acenaphthene-d10	14.804	164	557880	20.000	ng	0.00
64) Phenanthrene-d10	17.557	188	1177024	20.000	ng	0.00
76) Chrysene-d12	21.639	240	1248856	20.000	ng	0.00
86) Perylene-d12	24.233	264	1515760	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.969	70	25480	2.110	ng	94

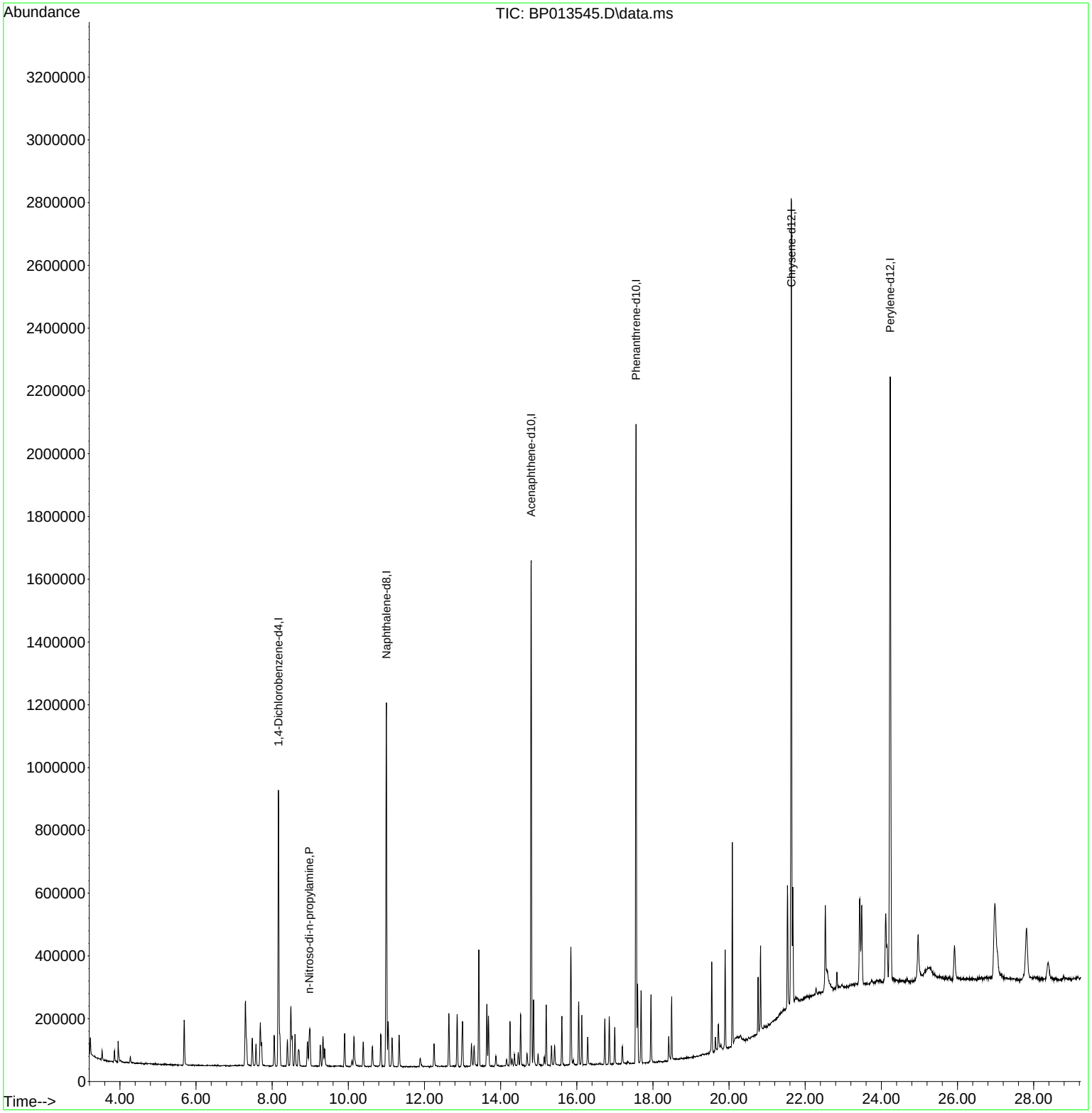
(#) = qualifier out of range (m) = manual integration (+) = signals summed

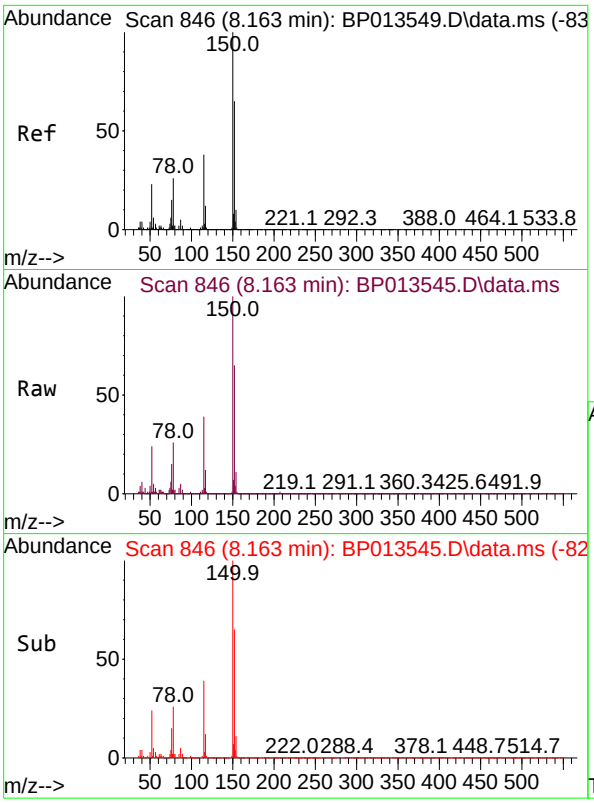
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013545.D
Acq On : 23 Jan 2023 11:25
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Jan 24 03:01:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration



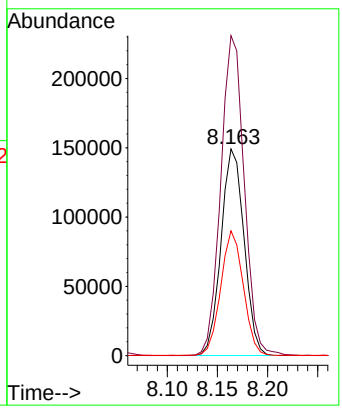


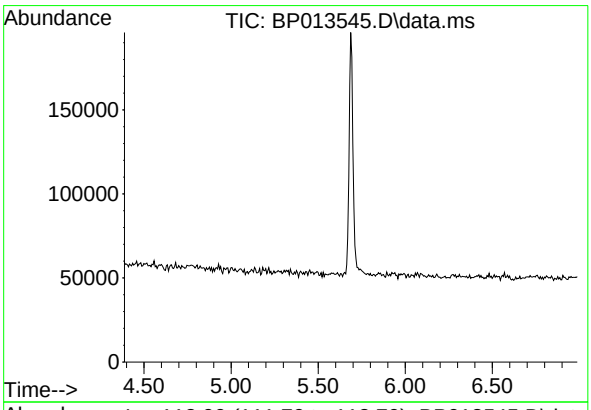
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.163 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP013545.D
Acq: 23 Jan 2023 11:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 238700

Ion	Ratio	Lower	Upper
152	100		
150	154.9	122.4	183.6
115	60.4	46.1	69.1



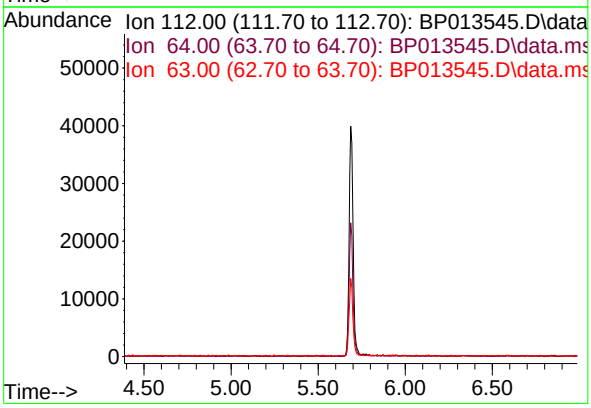


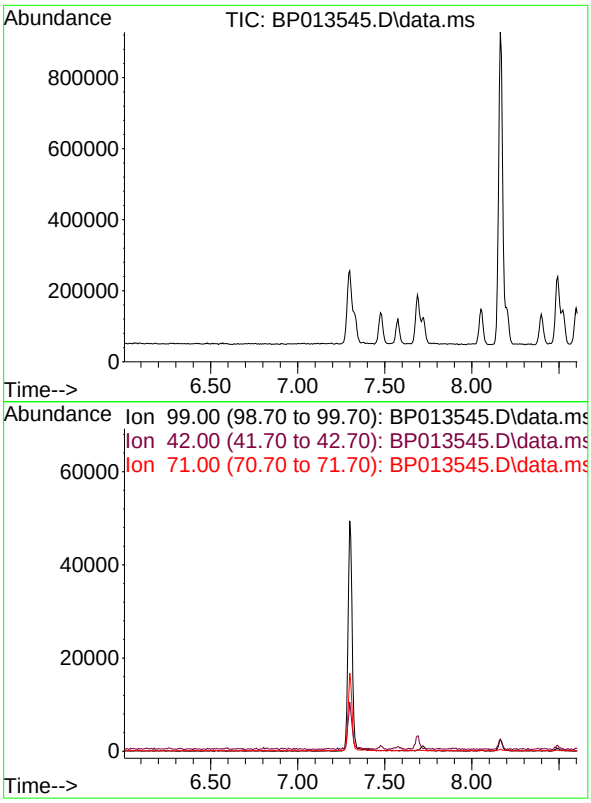
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.69 min

Lab File: BP013545.D
Acq: 23 Jan 2023 11:25

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	56.7
63	30.1





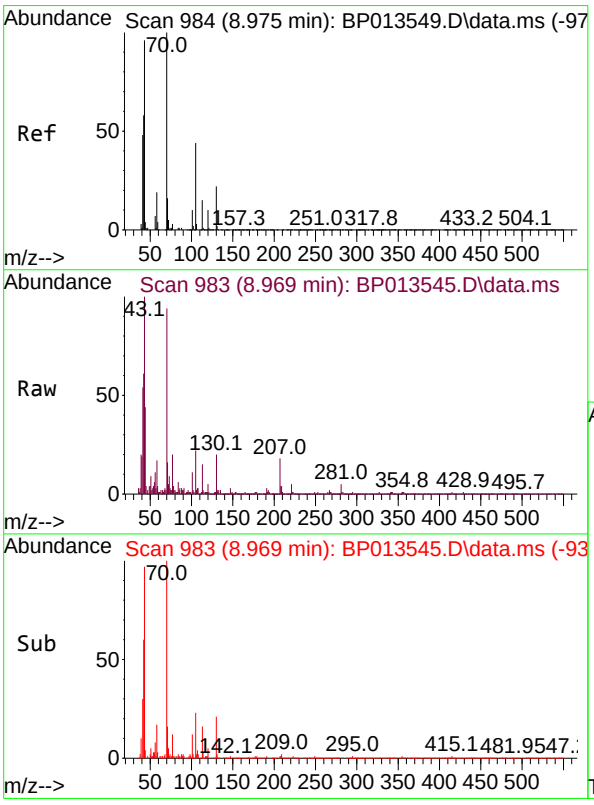
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.30 min

Lab File: BP013545.D
Acq: 23 Jan 2023 11:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

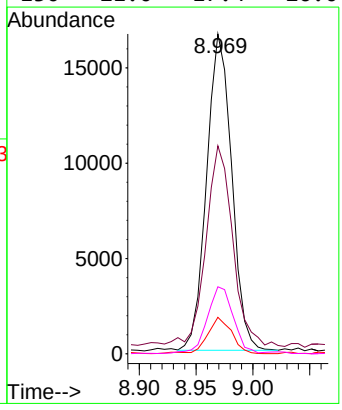
Sig	Exp Ratio
99	100
42	17.5
71	30.9

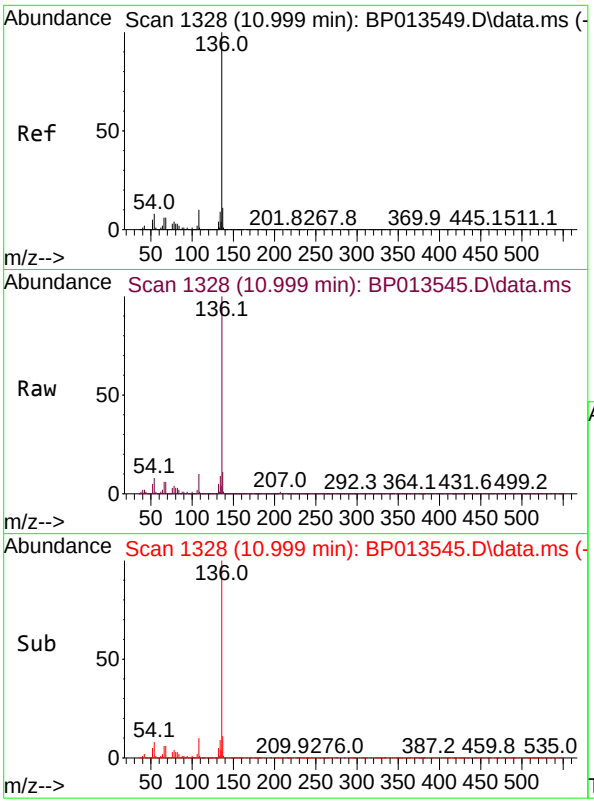


#19
n-Nitroso-di-n-propylamine
Concen: 2.110 ng
RT: 8.969 min Scan# 983
Delta R.T. -0.006 min
Lab File: BP013545.D
Acq: 23 Jan 2023 11:25

Tgt Ion: 70 Resp: 25480

Ion	Ratio	Lower	Upper
70	100		
42	65.0	47.2	70.8
101	11.4	8.0	12.0
130	21.0	17.4	26.0



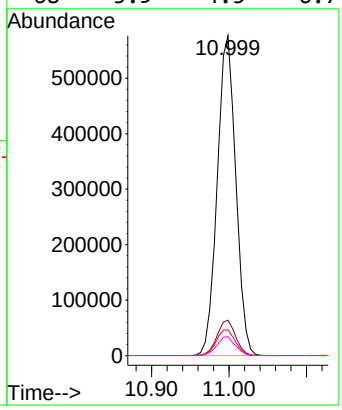


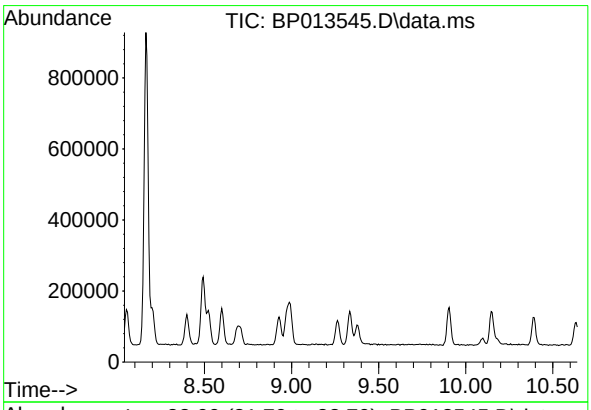
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013545.D
Acq: 23 Jan 2023 11:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 960608

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.0	6.6	9.8
68	5.9	4.5	6.7



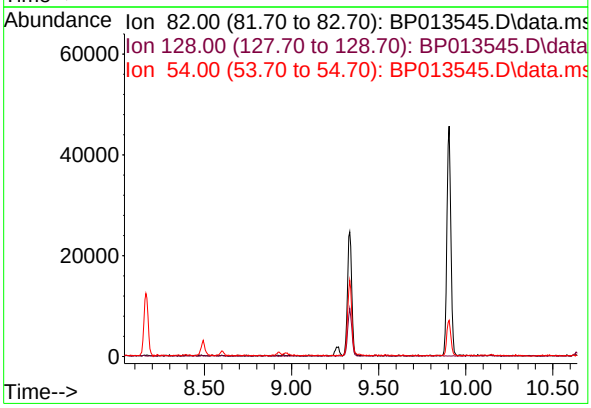


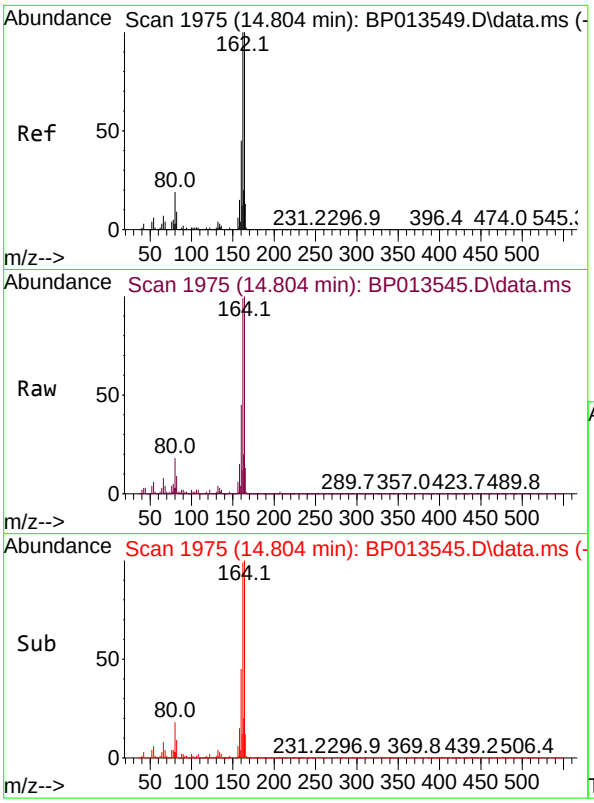
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.34 min

Lab File: BP013545.D
Acq: 23 Jan 2023 11:25

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	44.7
54	53.3



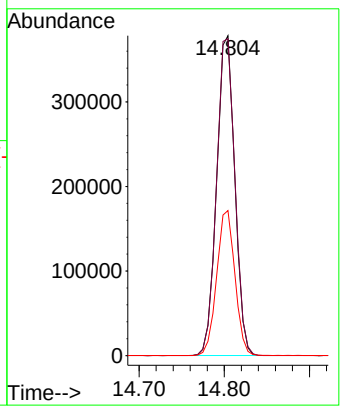


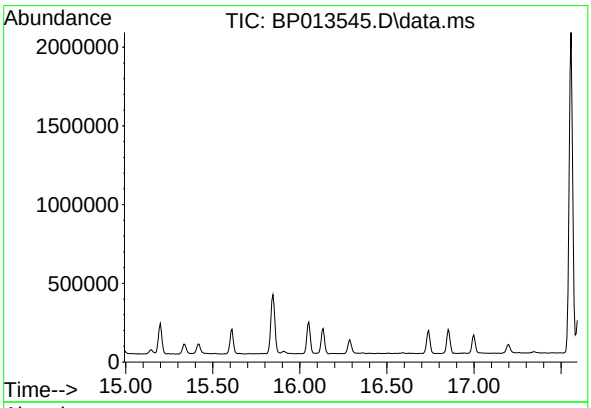
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.804 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013545.D
Acq: 23 Jan 2023 11:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 557880

Ion	Ratio	Lower	Upper
164	100		
162	99.0	80.1	120.1
160	45.3	35.9	53.9



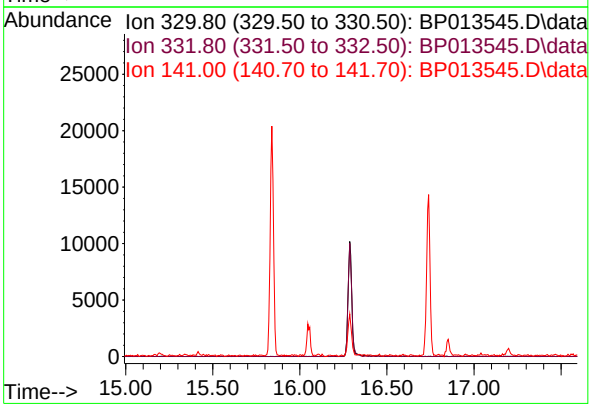


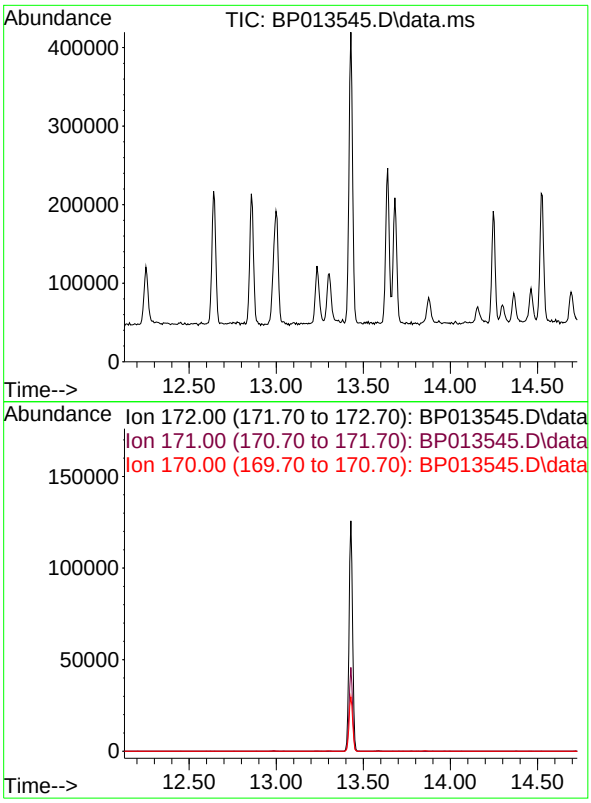
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.29 min

Lab File: BP013545.D
Acq: 23 Jan 2023 11:25

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.8
141	34.5





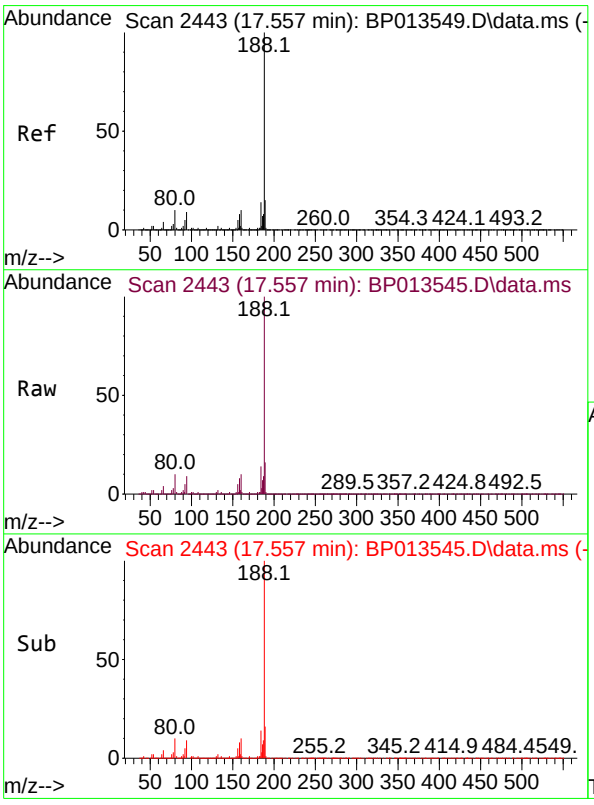
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.43 min

Lab File: BP013545.D
Acq: 23 Jan 2023 11:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

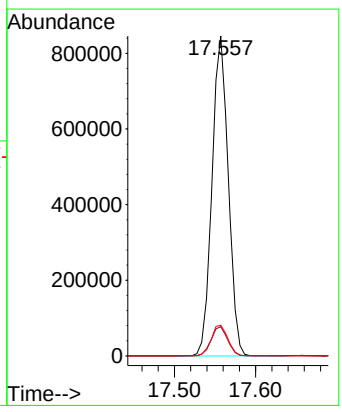
Sig	Exp Ratio
172	100
171	34.8
170	23.2

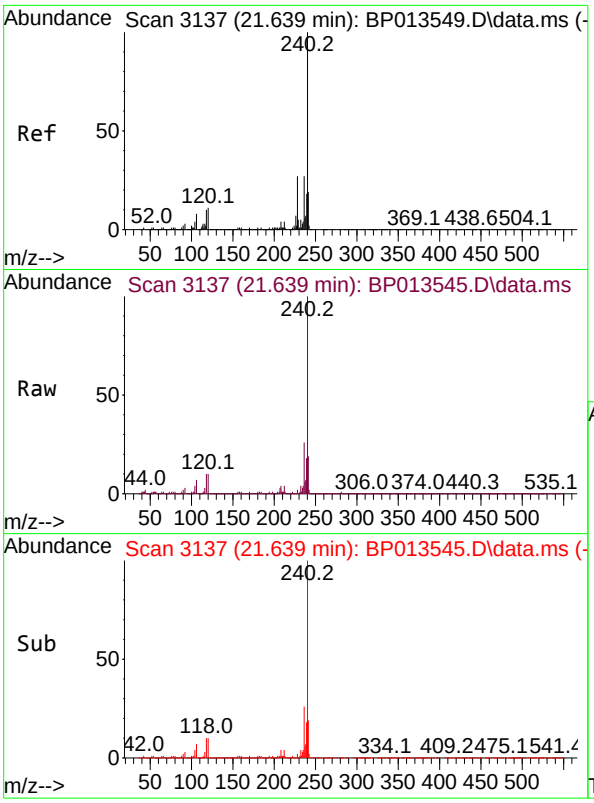


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.557 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BP013545.D
Acq: 23 Jan 2023 11:25

Tgt Ion:188 Resp: 1177024

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	9.6	8.2	12.2



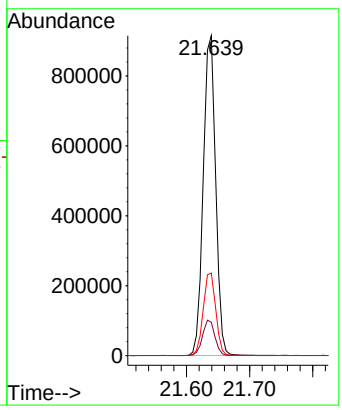


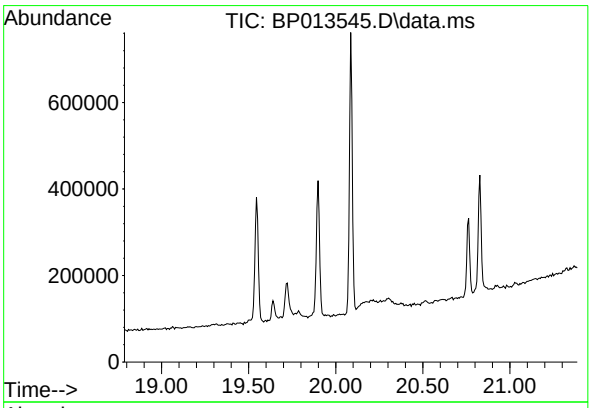
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013545.D
Acq: 23 Jan 2023 11:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1248856

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.6	13.0
236	25.8	21.3	31.9



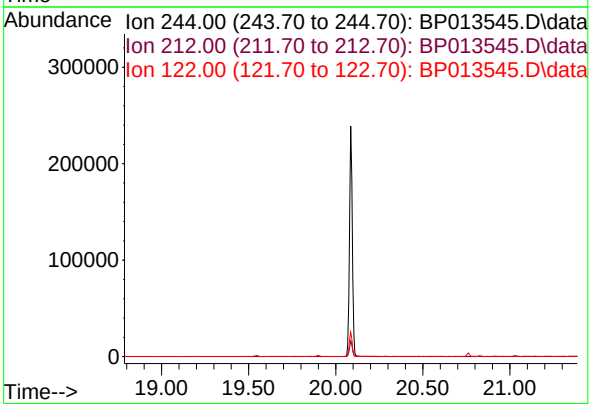


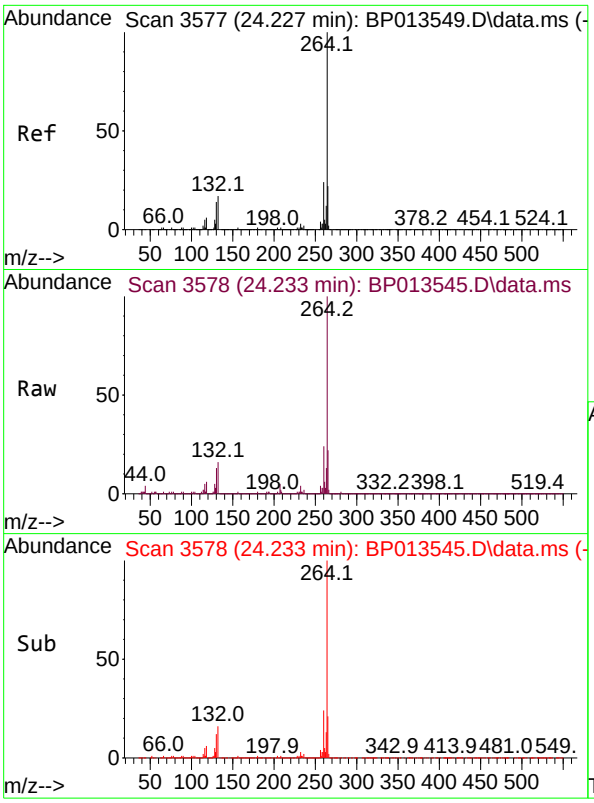
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 20.09 min

Lab File: BP013545.D
Acq: 23 Jan 2023 11:25

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.8
122	11.5



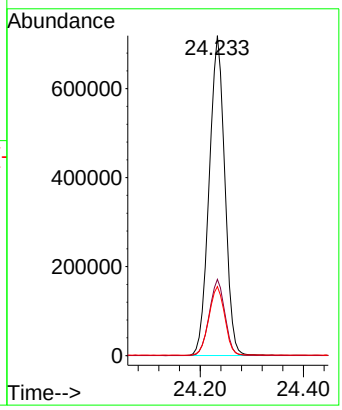


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.233 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP013545.D
Acq: 23 Jan 2023 11:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1515760

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	21.6	17.4	26.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013546.D
Acq On : 23 Jan 2023 12:00
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

Quant Time: Jan 24 03:02:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.163	152	290672	20.000	ng		0.00
21) Naphthalene-d8	10.998	136	1244553	20.000	ng		0.00
39) Acenaphthene-d10	14.804	164	762595	20.000	ng		0.00
64) Phenanthrene-d10	17.557	188	1581100	20.000	ng		0.00
76) Chrysene-d12	21.633	240	1245994	20.000	ng		0.00
86) Perylene-d12	24.233	264	1189200	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.687	112	176436	10.400	ng		0.00
7) Phenol-d6	7.299	99	232776	10.195	ng		0.00
23) Nitrobenzene-d5	9.334	82	143489	7.611	ng		0.00
42) 2,4,6-Tribromophenol	16.286	330	63576	7.996	ng		0.00
45) 2-Fluorobiphenyl	13.428	172	561332	10.104	ng		0.00
79) Terphenyl-d14	20.086	244	736879	10.639	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.534	88	36033	5.269	ng		97
3) Pyridine	3.946	79	104254	5.150	ng		100
4) n-Nitrosodimethylamine	3.852	42	48351	5.267	ng	#	92
6) Aniline	7.475	93	155726	5.077	ng		98
8) 2-Chlorophenol	7.722	128	92463	4.939	ng		99
9) Benzaldehyde	7.287	77	85241	6.887	ng		96
10) Phenol	7.328	94	119652	5.058	ng		98
11) bis(2-Chloroethyl)ether	7.575	93	102165	5.282	ng		99
12) 1,3-Dichlorobenzene	8.052	146	109484	5.289	ng		97
13) 1,4-Dichlorobenzene	8.199	146	111445	5.309	ng		99
14) 1,2-Dichlorobenzene	8.522	146	108740	5.350	ng		98
15) Benzyl Alcohol	8.399	79	82745	5.072	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.699	45	143922	5.427	ng		99
17) 2-Methylphenol	8.599	107	86740	5.049	ng		96
18) Hexachloroethane	9.263	117	34806	4.961	ng		99
19) n-Nitroso-di-n-propyla...	8.969	70	79203	5.386	ng		95
20) 3+4-Methylphenols	8.928	107	111228	4.919	ng		95
22) Acetophenone	8.993	105	161584	5.061	ng	#	96
24) Nitrobenzene	9.375	77	82968	4.093	ng		91
25) Isophorone	9.904	82	227247	5.082	ng		100
26) 2-Nitrophenol	10.093	139	17824	2.820	ng		97
27) 2,4-Dimethylphenol	10.146	122	90559	4.594	ng		99
28) bis(2-Chloroethoxy)met...	10.387	93	135638	5.034	ng		99
29) 2,4-Dichlorophenol	10.634	162	76809	4.326	ng		98
30) 1,2,4-Trichlorobenzene	10.857	180	101135	4.991	ng		98
31) Naphthalene	11.046	128	337355	5.042	ng		100
33) 4-Chloroaniline	11.151	127	147826	4.993	ng		98
34) Hexachlorobutadiene	11.334	225	58827	4.989	ng		97
35) Caprolactam	11.887	113	26416m	4.606	ng		
36) 4-Chloro-3-methylphenol	12.251	107	88110	4.557	ng		100
37) 2-Methylnaphthalene	12.640	142	239508	5.036	ng		98
38) 1-Methylnaphthalene	12.857	142	227581	5.093	ng		98
40) 1,2,4,5-Tetrachloroben...	13.004	216	113229	4.823	ng		99
43) 2,4,6-Trichlorophenol	13.234	196	55178	4.016	ng		99
44) 2,4,5-Trichlorophenol	13.304	196	64198	3.954	ng		99
46) 1,1'-Biphenyl	13.639	154	308083	5.030	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013546.D
Acq On : 23 Jan 2023 12:00
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

Quant Time: Jan 24 03:02:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	13.681	162	229138	4.994	ng		99
48) 2-Nitroaniline	13.875	65	23889	2.602	ng		93
49) Acenaphthylene	14.522	152	368173	4.907	ng		99
50) Dimethylphthalate	14.245	163	284473	5.018	ng		100
51) 2,6-Dinitrotoluene	14.363	165	23891	2.610	ng	#	79
52) Acenaphthene	14.863	154	228238	4.924	ng		99
53) 3-Nitroaniline	14.692	138	29393	2.801	ng	#	80
54) 2,4-Dinitrophenol	14.892	184	6206	2.225	ng	#	57
55) Dibenzofuran	15.198	168	363125	5.109	ng		100
57) 2,4-Dinitrotoluene	15.151	165	25320	2.301	ng		92
58) Fluorene	15.845	166	290340	5.140	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.416	232	52023	4.173	ng	#	98
60) Diethylphthalate	15.610	149	280416	5.065	ng		99
61) 4-Chlorophenyl-phenyle...	15.839	204	142114	5.116	ng		98
62) 4-Nitroaniline	15.851	138	31975	2.986	ng	#	72
63) Azobenzene	16.133	77	280967	5.222	ng		98
66) n-Nitrosodiphenylamine	16.051	169	250427	4.857	ng		99
67) 4-Bromophenyl-phenylether	16.739	248	84413	4.820	ng		97
68) Hexachlorobenzene	16.851	284	93008	4.916	ng		98
69) Atrazine	16.998	200	68946	4.673	ng		99
71) Phenanthrene	17.598	178	448418	5.097	ng		100
72) Anthracene	17.686	178	440566	4.934	ng		99
73) Carbazole	17.951	167	402418	5.015	ng		99
74) Di-n-butylphthalate	18.492	149	416887	4.668	ng		99
75) Fluoranthene	19.545	202	474307	5.070	ng		99
77) Benzidine	19.722	184	170058	5.427	ng		99
78) Pyrene	19.898	202	497710	5.224	ng		99
80) Butylbenzylphthalate	20.763	149	125935	4.006	ng		95
81) Benzo(a)anthracene	21.616	228	437085	5.035	ng		99
82) 3,3'-Dichlorobenzidine	21.539	252	122212	4.370	ng		100
83) Chrysene	21.674	228	416374	5.015	ng		99
84) Bis(2-ethylhexyl)phtha...	21.533	149	215278	4.434	ng		99
85) Di-n-octyl phthalate	22.527	149	318212	4.066	ng	#	94
87) Indeno(1,2,3-cd)pyrene	26.968	276	396104	4.522	ng		100
88) Benzo(b)fluoranthene	23.433	252	357560	4.888	ng		100
89) Benzo(k)fluoranthene	23.486	252	371518	4.979	ng		99
90) Benzo(a)pyrene	24.115	252	343013	4.833	ng		99
91) Dibenzo(a,h)anthracene	26.998	278	327215	4.454	ng		98
92) Benzo(g,h,i)perylene	27.809	276	326222	3.724	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

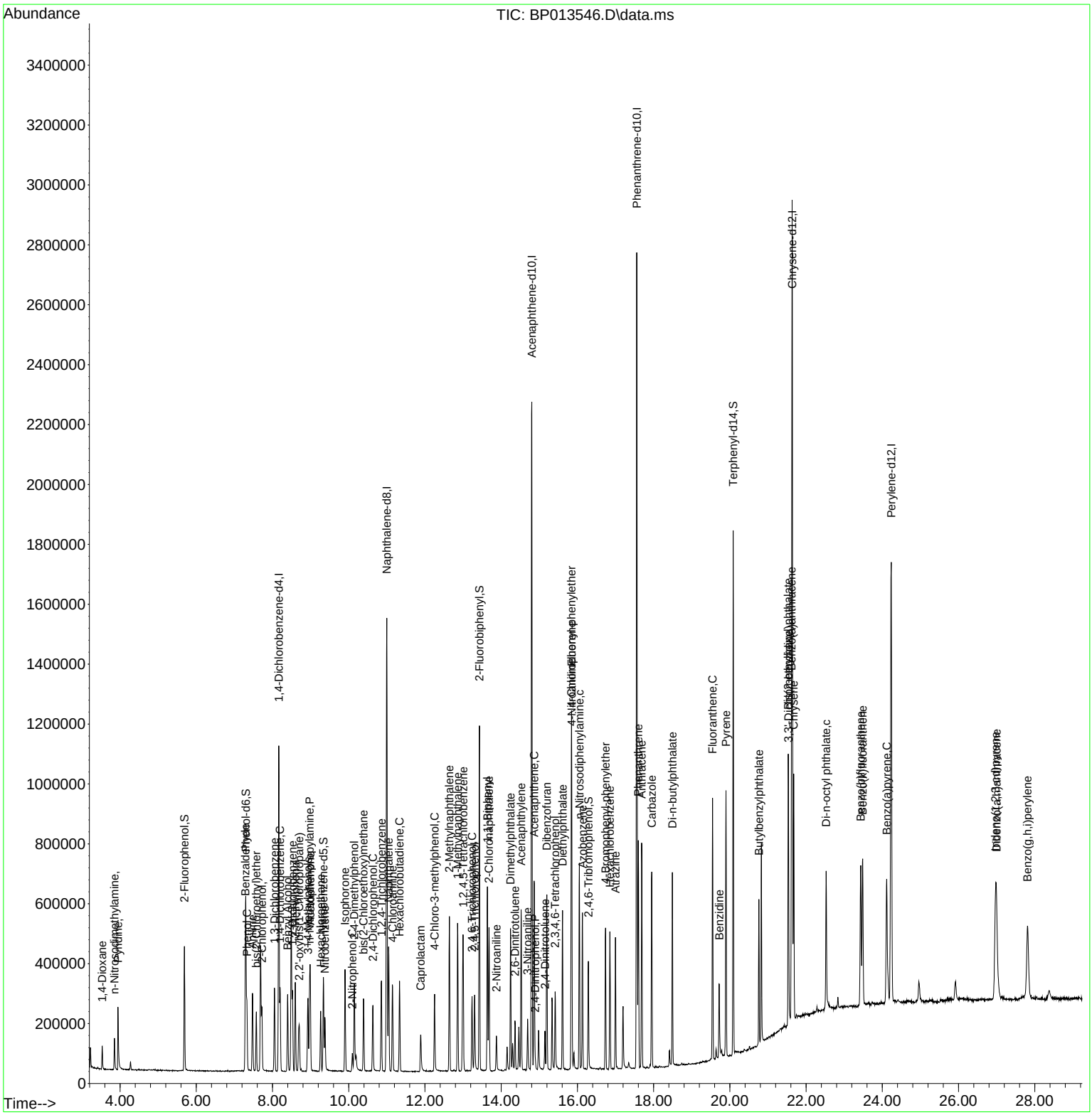
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013546.D
Acq On : 23 Jan 2023 12:00
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

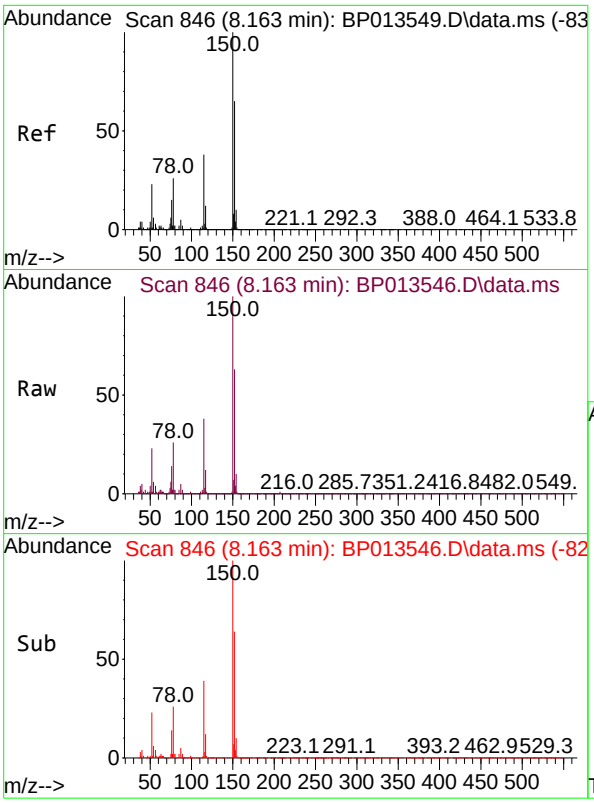
Quant Time: Jan 24 03:02:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

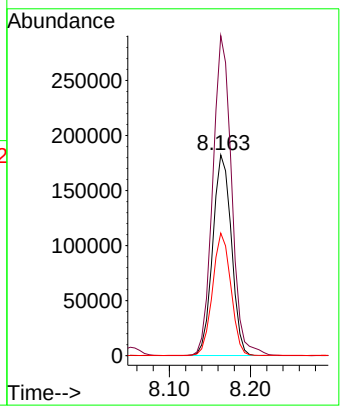




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.163 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:152 Resp: 29067

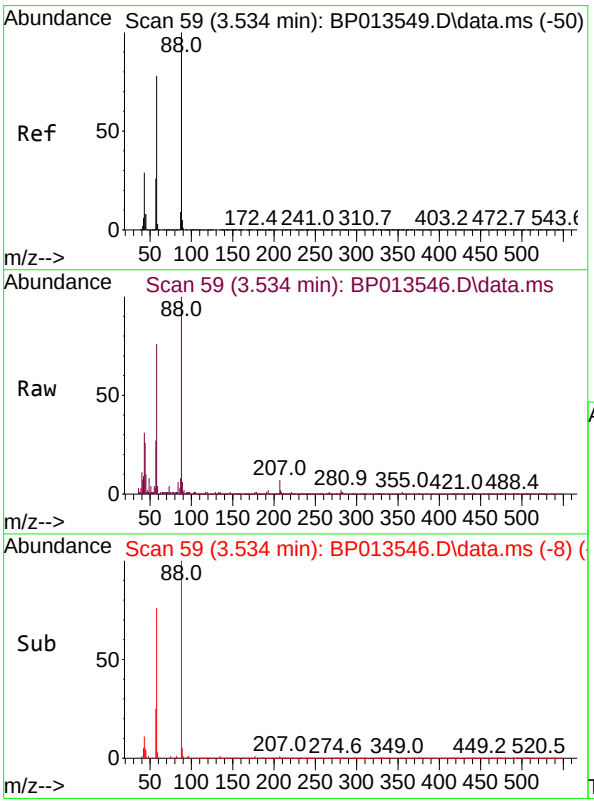
Ion	Ratio	Lower	Upper
152	100		
150	159.4	122.4	183.6
115	61.0	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

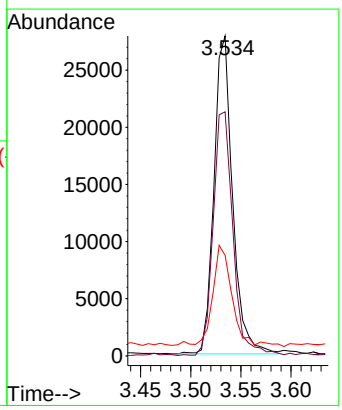
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

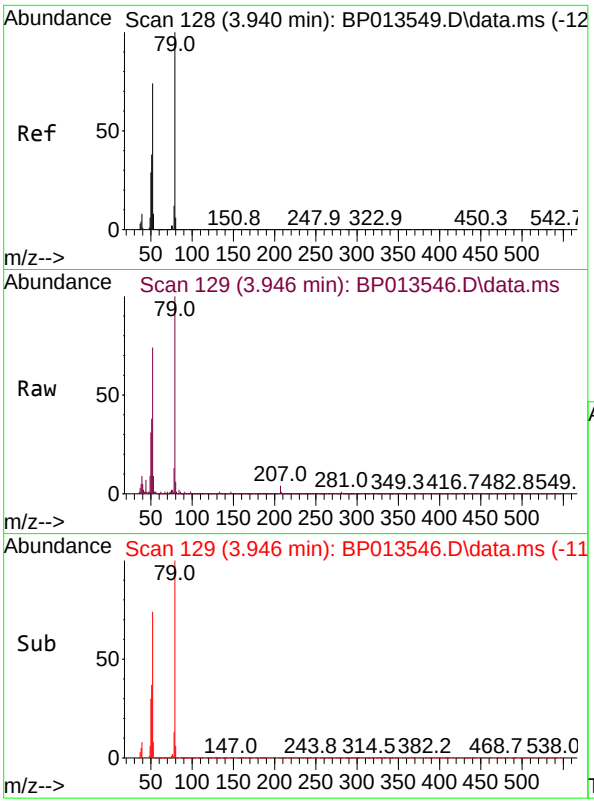


#2
1,4-Dioxane
Concen: 5.269 ng
RT: 3.534 min Scan# 59
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion: 88 Resp: 36033

Ion	Ratio	Lower	Upper
88	100		
58	81.0	63.6	95.4
43	33.0	24.2	36.2

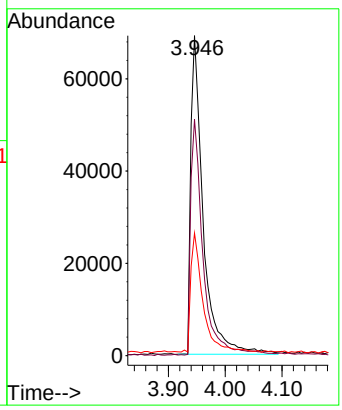




#3
Pyridine
Concen: 5.150 ng
RT: 3.946 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion: 79 Resp: 10425

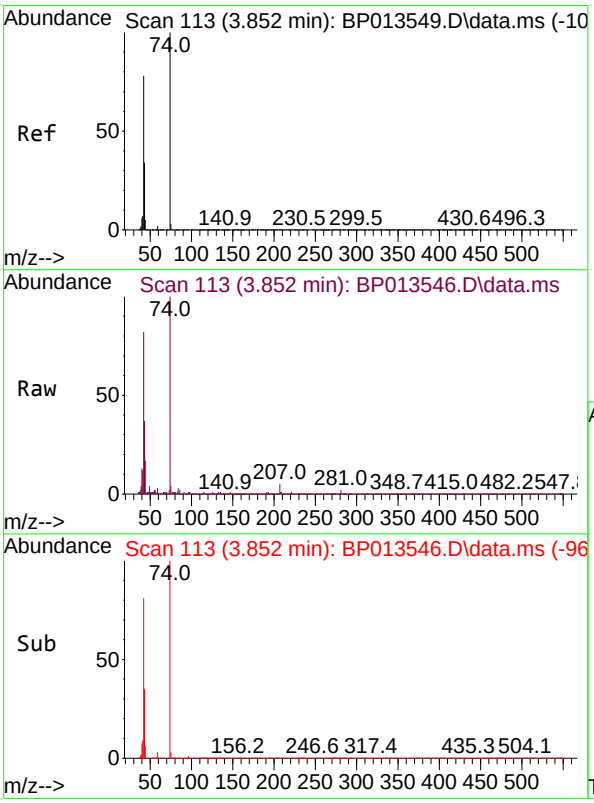
Ion	Ratio	Lower	Upper
79	100		
52	73.8	59.4	89.2
51	38.3	30.6	45.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

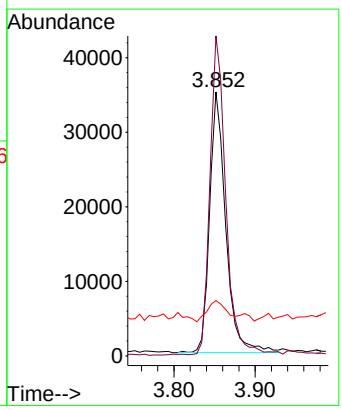
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

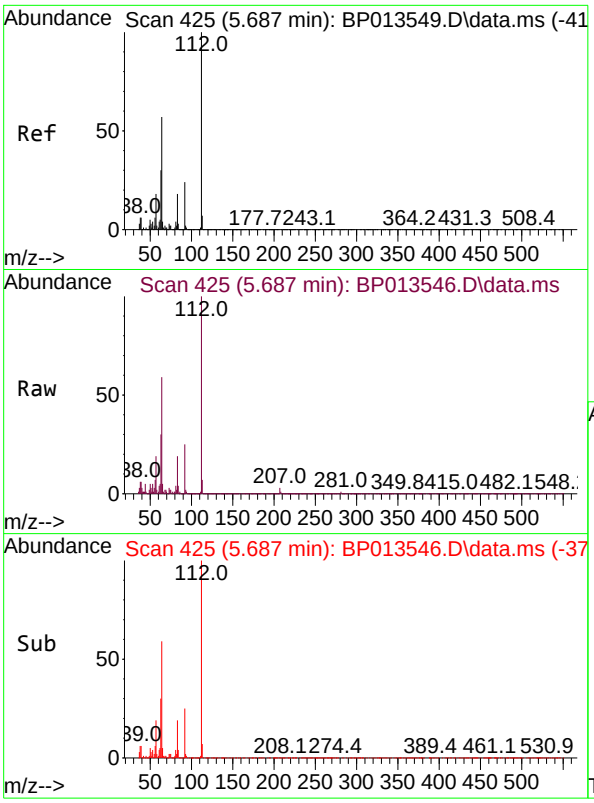


#4
n-Nitrosodimethylamine
Concen: 5.267 ng
RT: 3.852 min Scan# 113
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion: 42 Resp: 48351

Ion	Ratio	Lower	Upper
42	100		
74	121.3	102.3	153.5
44	21.0	6.2	9.2#

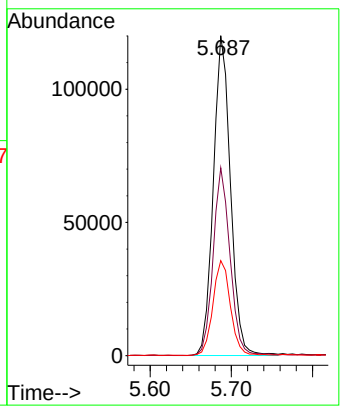




#5
2-Fluorophenol
Concen: 10.400 ng
RT: 5.687 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:112 Resp: 17643

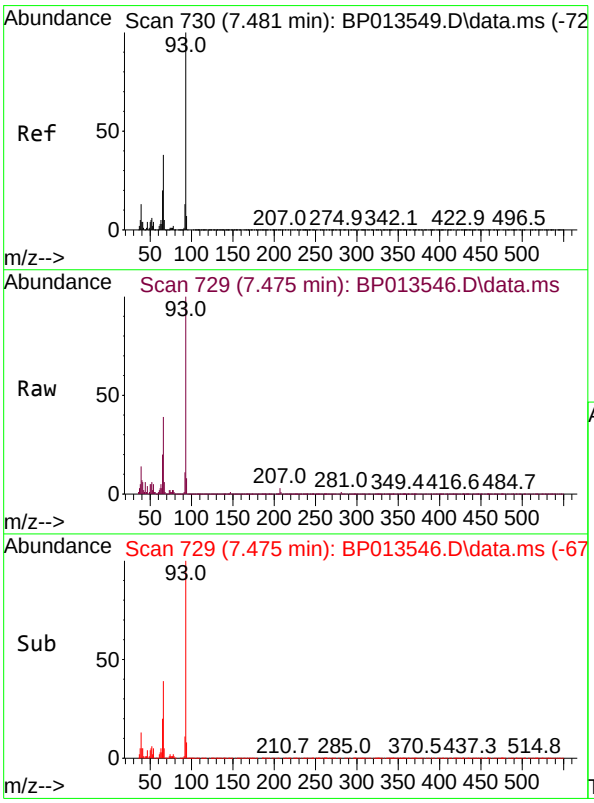
Ion	Ratio	Lower	Upper
112	100		
64	58.7	45.4	68.0
63	29.7	24.1	36.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

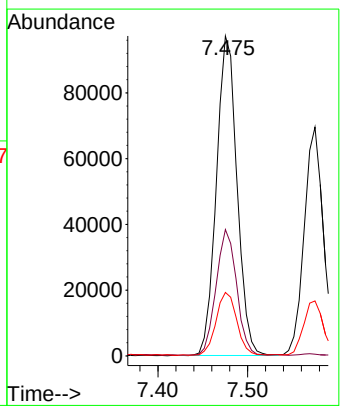
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

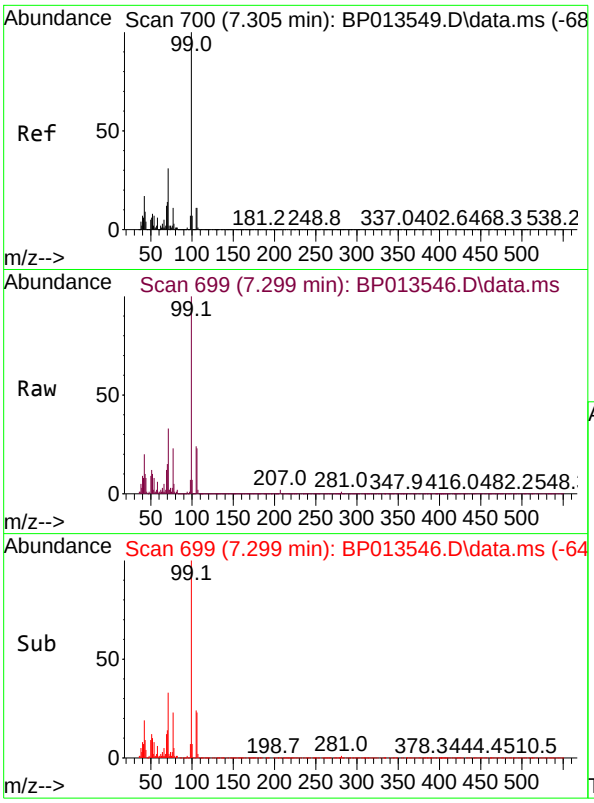


#6
Aniline
Concen: 5.077 ng
RT: 7.475 min Scan# 729
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion: 93 Resp: 155726

Ion	Ratio	Lower	Upper
93	100		
66	39.5	30.3	45.5
65	19.8	15.9	23.9

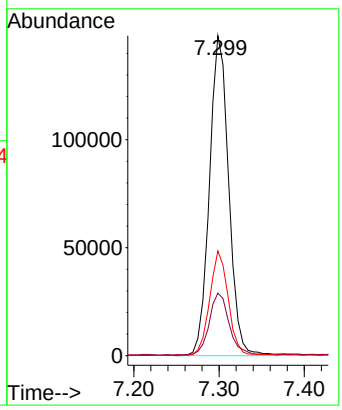




#7
Phenol-d6
Concen: 10.195 ng
RT: 7.299 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion: 99 Resp: 23277

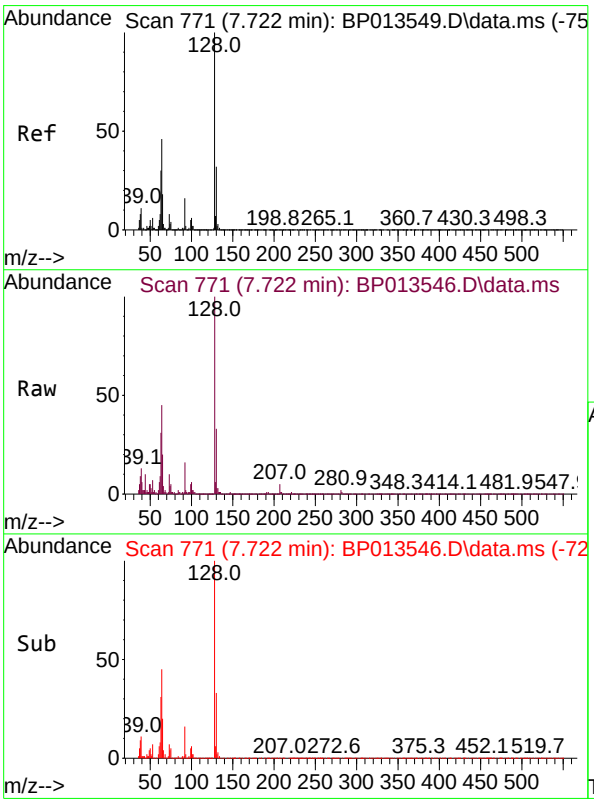
Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.0	21.0
71	32.7	24.7	37.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

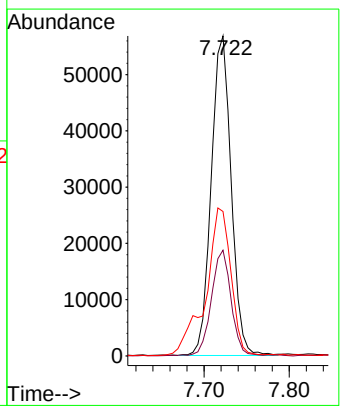
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

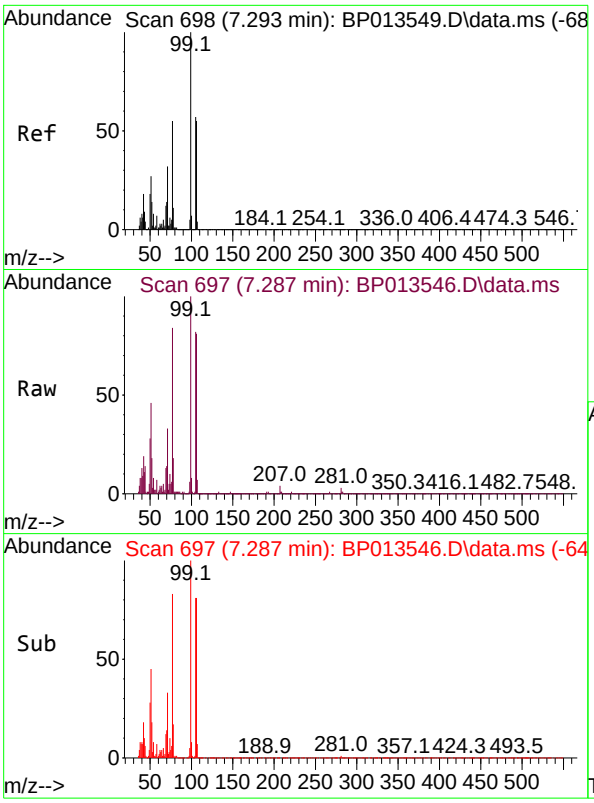


#8
2-Chlorophenol
Concen: 4.939 ng
RT: 7.722 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:128 Resp: 92463

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.4	52.4
64	45.1	26.2	66.2

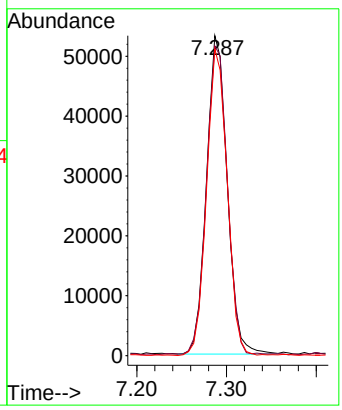




#9
Benzaldehyde
Concen: 6.887 ng
RT: 7.287 min Scan# 69
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion: 77 Resp: 8524

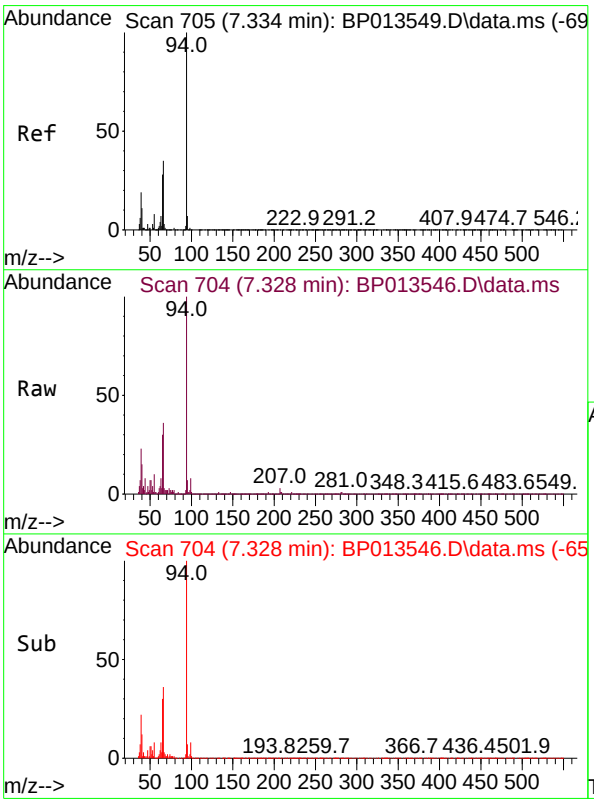
Ion	Ratio	Lower	Upper
77	100		
105	96.8	82.6	122.6
106	95.8	78.9	118.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

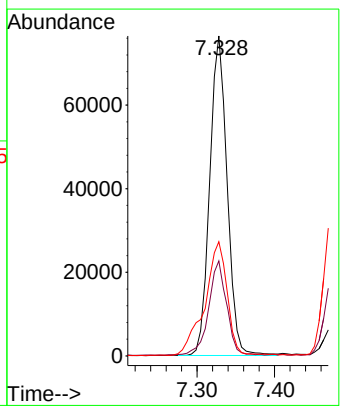
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

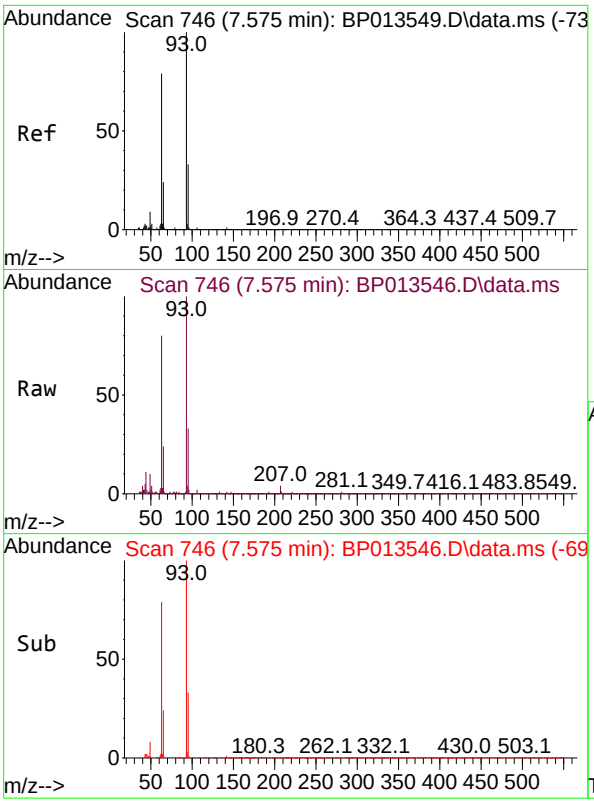


#10
Phenol
Concen: 5.058 ng
RT: 7.328 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion: 94 Resp: 119652

Ion	Ratio	Lower	Upper
94	100		
65	29.7	7.8	47.8
66	35.7	15.5	55.5





#11
bis(2-Chloroethyl)ether
Concen: 5.282 ng
RT: 7.575 min Scan# 74
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

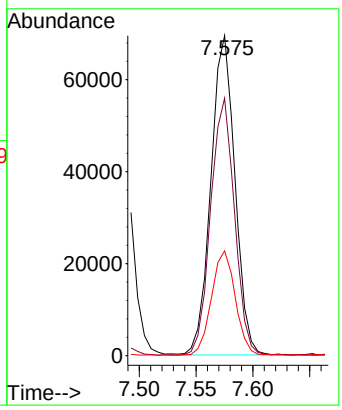
Tgt Ion: 93 Resp: 10216

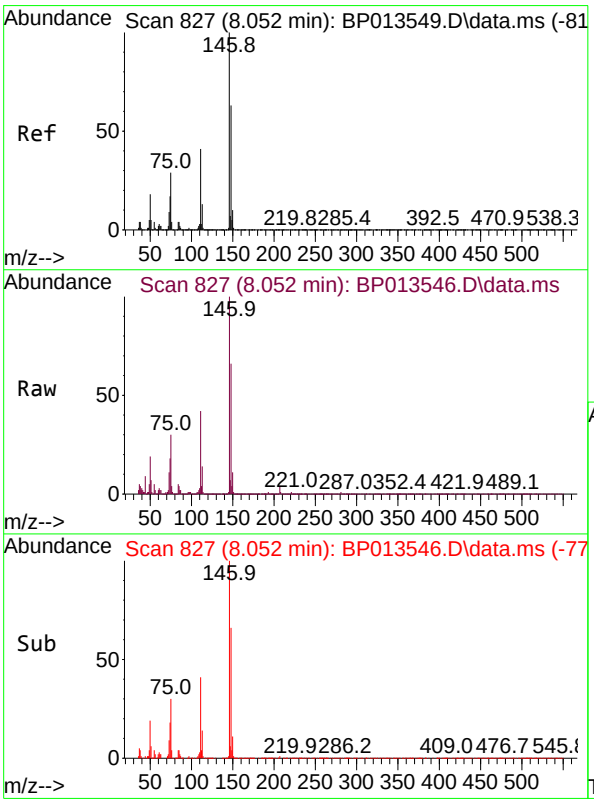
Ion	Ratio	Lower	Upper
93	100		
63	80.4	58.7	98.7
95	32.7	12.8	52.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

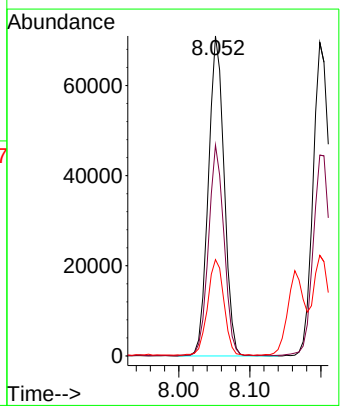


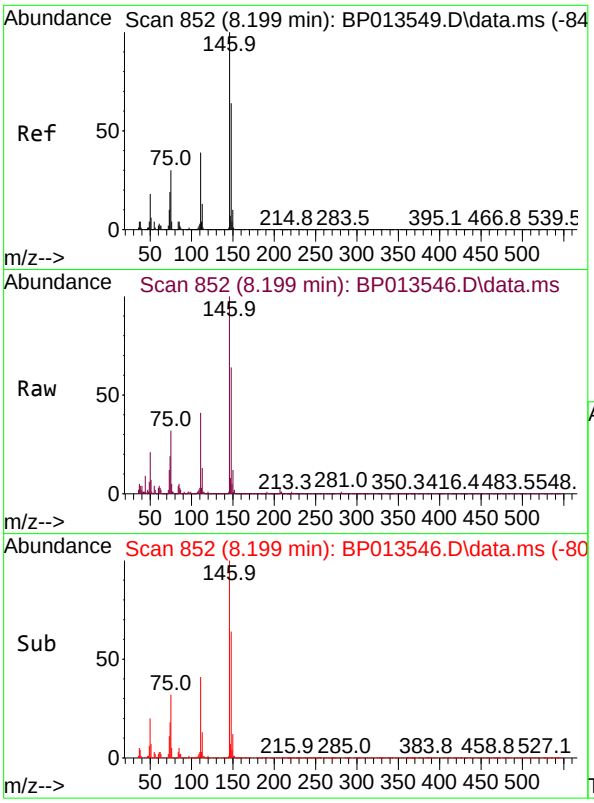


#12
1,3-Dichlorobenzene
Concen: 5.289 ng
RT: 8.052 min Scan# 827
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:146 Resp: 109484

Ion	Ratio	Lower	Upper
146	100		
148	65.9	50.7	76.1
75	30.1	23.4	35.2

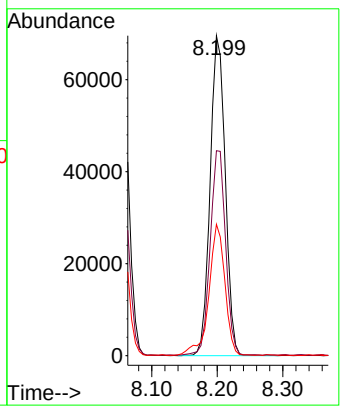




#13
1,4-Dichlorobenzene
Concen: 5.309 ng
RT: 8.199 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:146 Resp: 11144

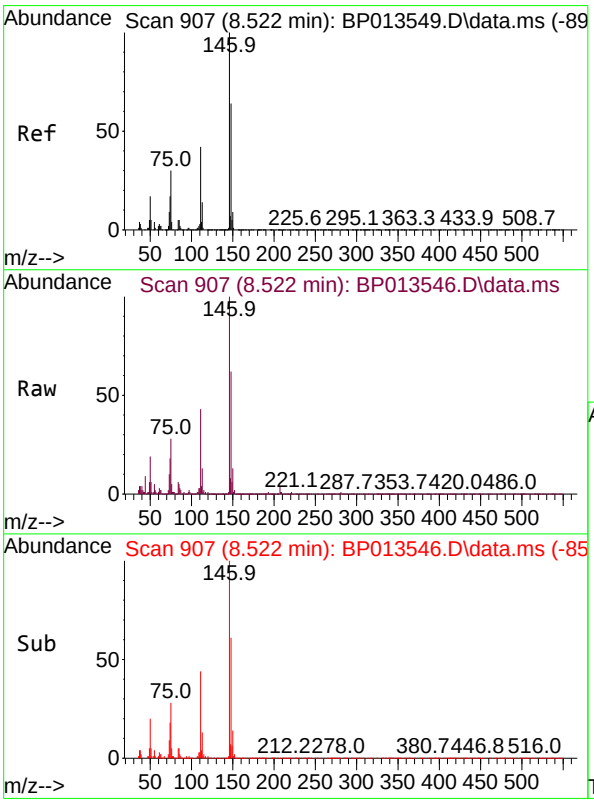
Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.0
111	41.0	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

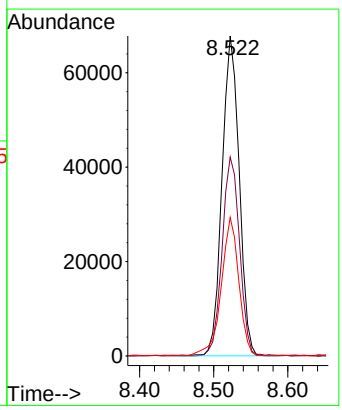
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

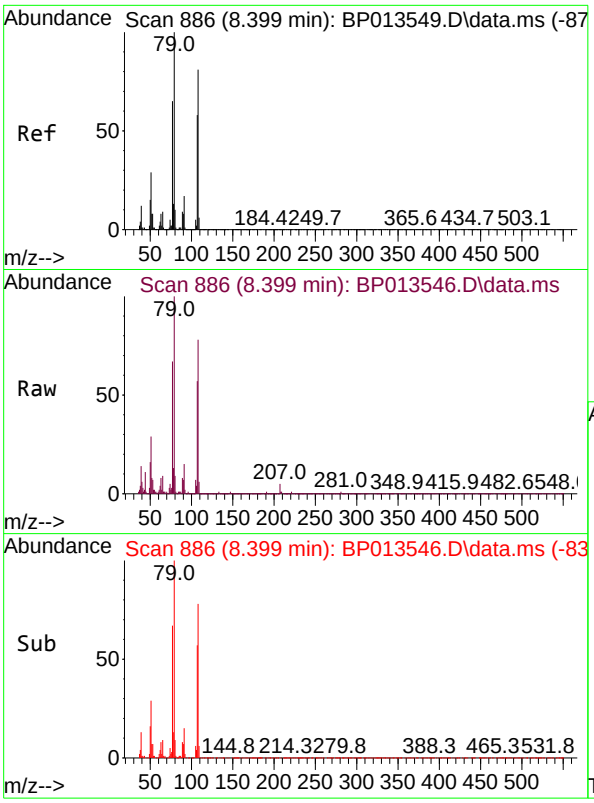


#14
1,2-Dichlorobenzene
Concen: 5.350 ng
RT: 8.522 min Scan# 907
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:146 Resp: 108740

Ion	Ratio	Lower	Upper
146	100		
148	62.1	50.8	76.2
111	43.2	33.4	50.2

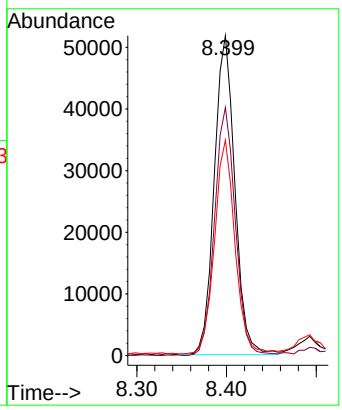




#15
Benzyl Alcohol
Concen: 5.072 ng
RT: 8.399 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion: 79 Resp: 8274

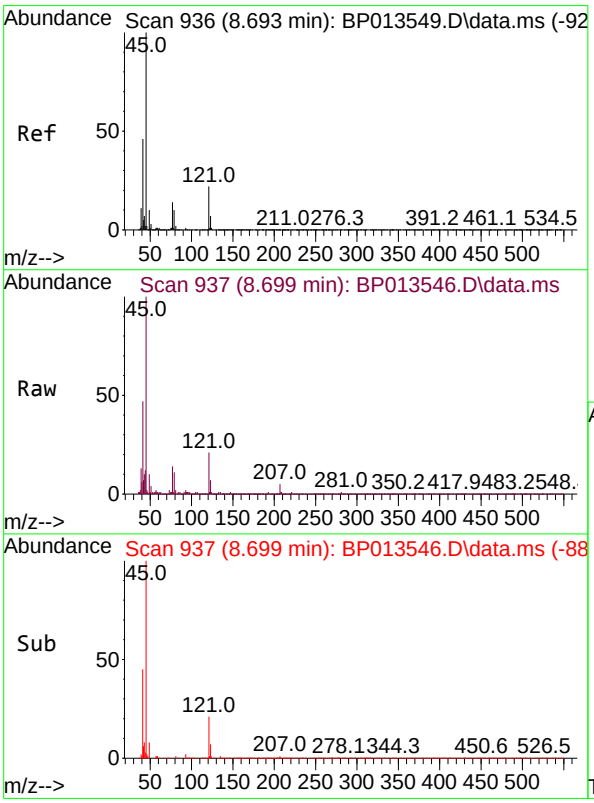
Ion	Ratio	Lower	Upper
79	100		
108	77.6	65.2	97.8
77	67.3	52.3	78.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

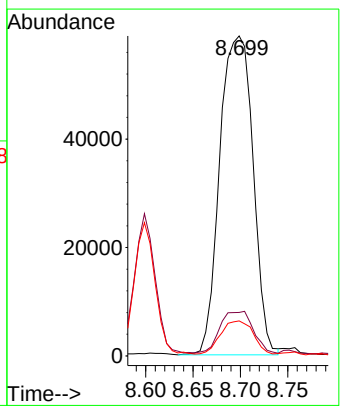
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

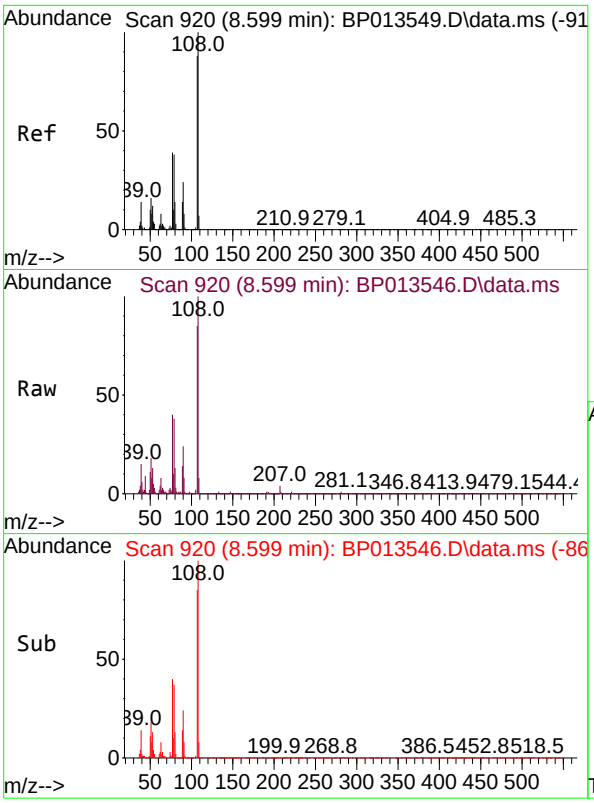


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.427 ng
RT: 8.699 min Scan# 937
Delta R.T. 0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion: 45 Resp: 143922

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	34.2
79	10.9	0.0	30.4

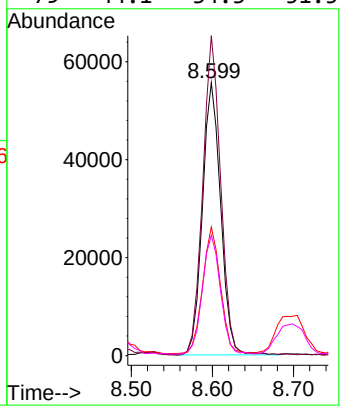




#17
2-Methylphenol
Concen: 5.049 ng
RT: 8.599 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:107 Resp: 8674

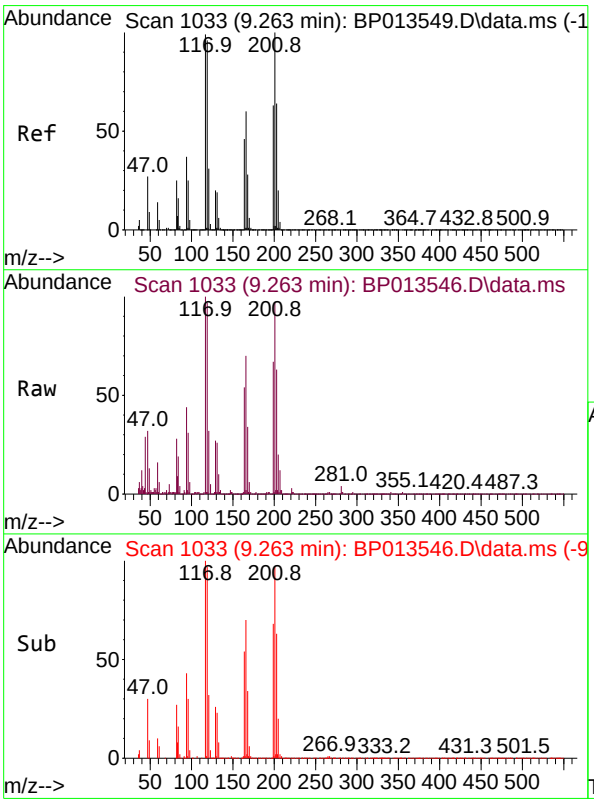
Ion	Ratio	Lower	Upper
107	100		
108	117.3	90.5	135.7
77	47.1	35.4	53.2
79	44.1	34.3	51.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

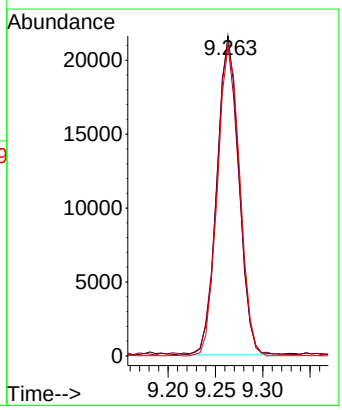
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

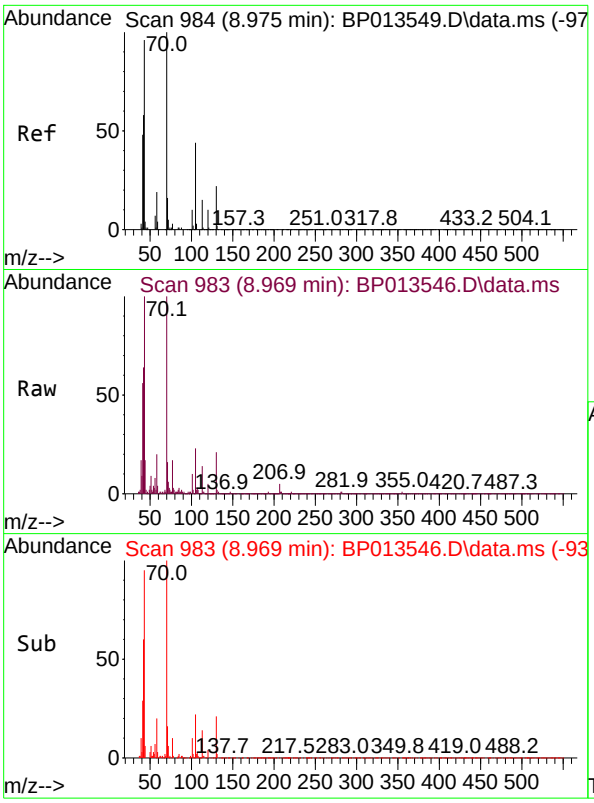


#18
Hexachloroethane
Concen: 4.961 ng
RT: 9.263 min Scan# 1033
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:117 Resp: 34806

Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.0	115.6
201	99.0	80.6	120.8

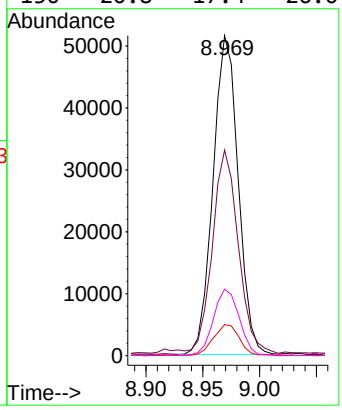




#19
n-Nitroso-di-n-propylamine
Concen: 5.386 ng
RT: 8.969 min Scan# 98
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion: 70 Resp: 7920

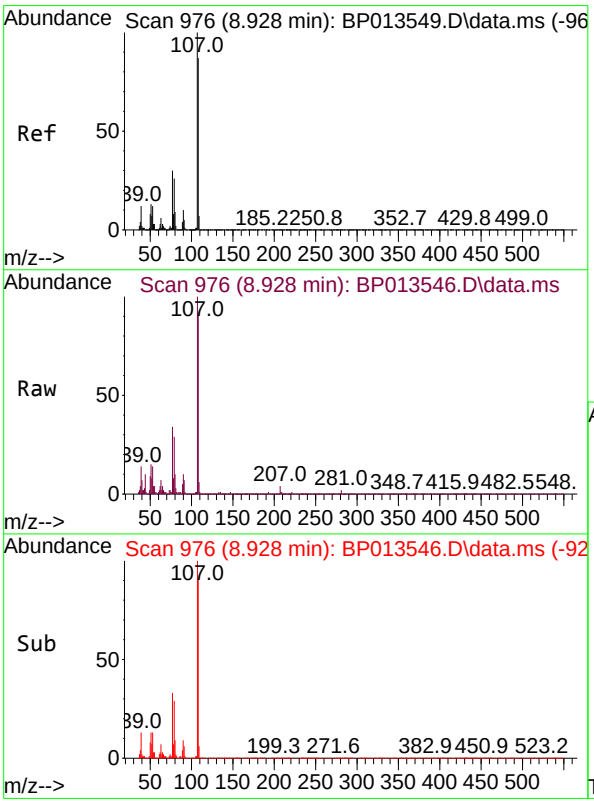
Ion	Ratio	Lower	Upper
70	100		
42	64.2	47.2	70.8
101	9.7	8.0	12.0
130	20.8	17.4	26.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

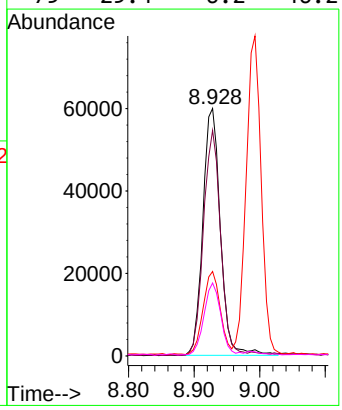
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

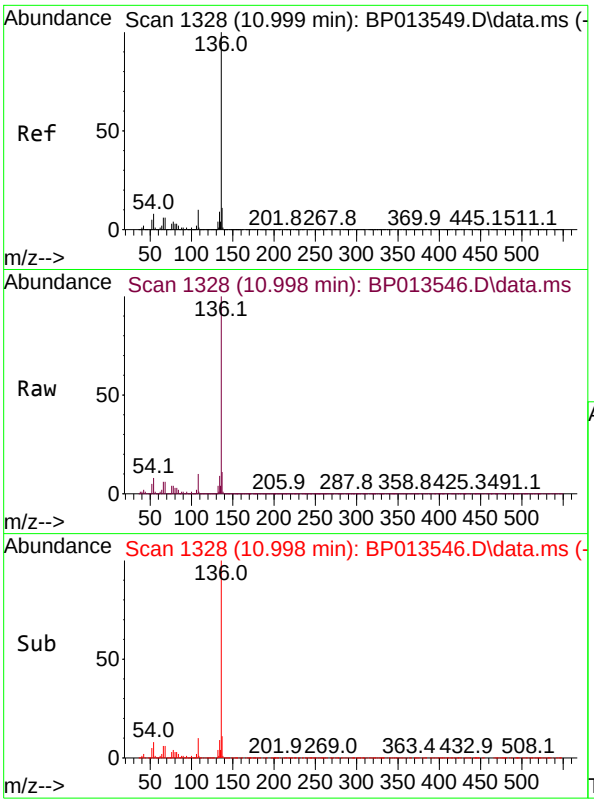


#20
3+4-Methylphenols
Concen: 4.919 ng
RT: 8.928 min Scan# 976
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:107 Resp: 111228

Ion	Ratio	Lower	Upper
107	100		
108	91.1	67.5	107.5
77	34.1	10.5	50.5
79	29.4	6.2	46.2

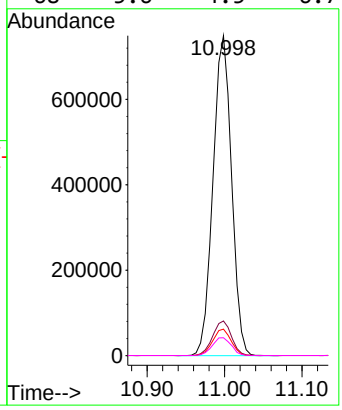




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:136 Resp: 124455

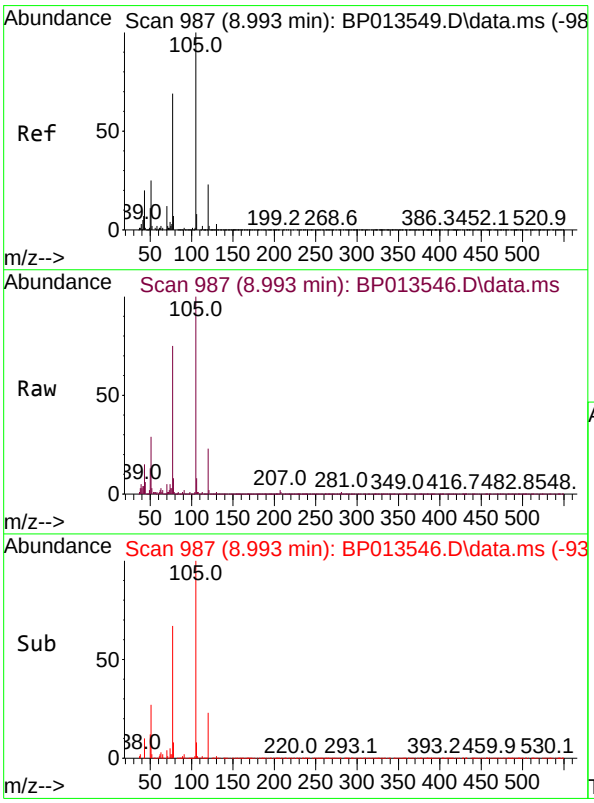
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	8.3	6.6	9.8
68	5.6	4.5	6.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

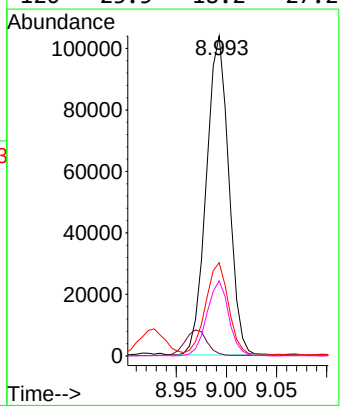
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

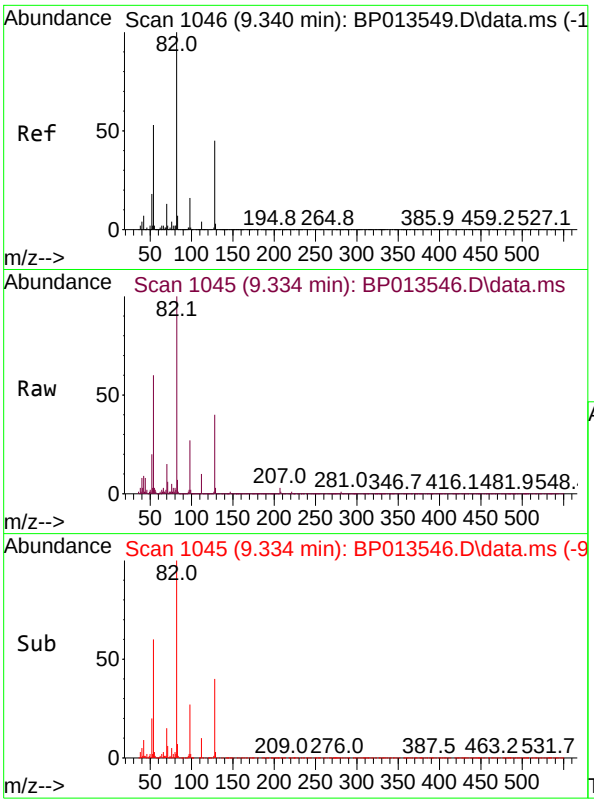


#22
Acetophenone
Concen: 5.061 ng
RT: 8.993 min Scan# 987
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:105 Resp: 161584

Ion	Ratio	Lower	Upper
105	100		
71	0.8	1.8	2.8#
51	29.2	21.1	31.7
120	23.5	18.2	27.2

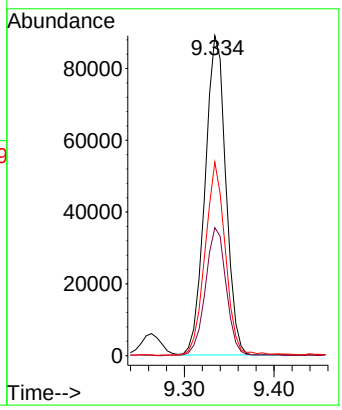




#23
Nitrobenzene-d5
Concen: 7.611 ng
RT: 9.334 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion: 82 Resp: 14348

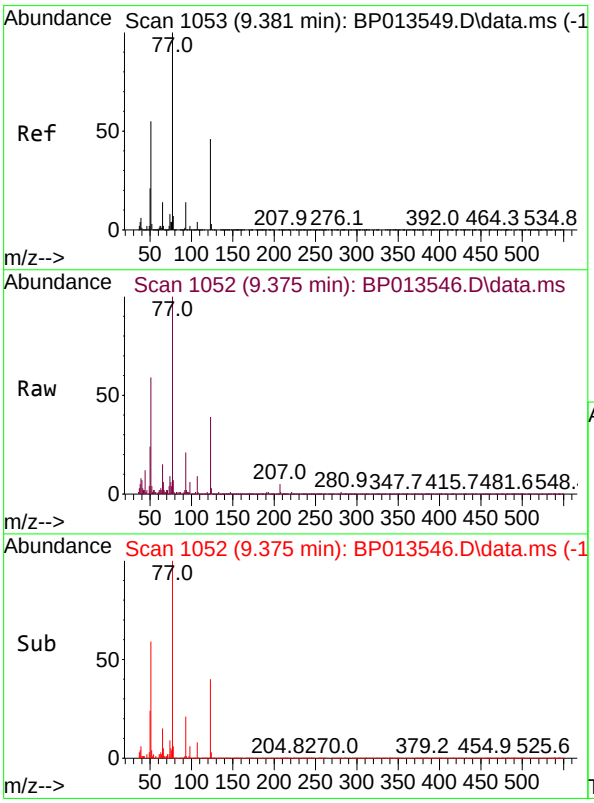
Ion	Ratio	Lower	Upper
82	100		
128	40.0	35.8	53.6
54	60.5	42.6	64.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

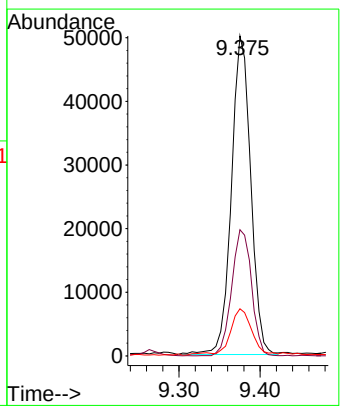
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

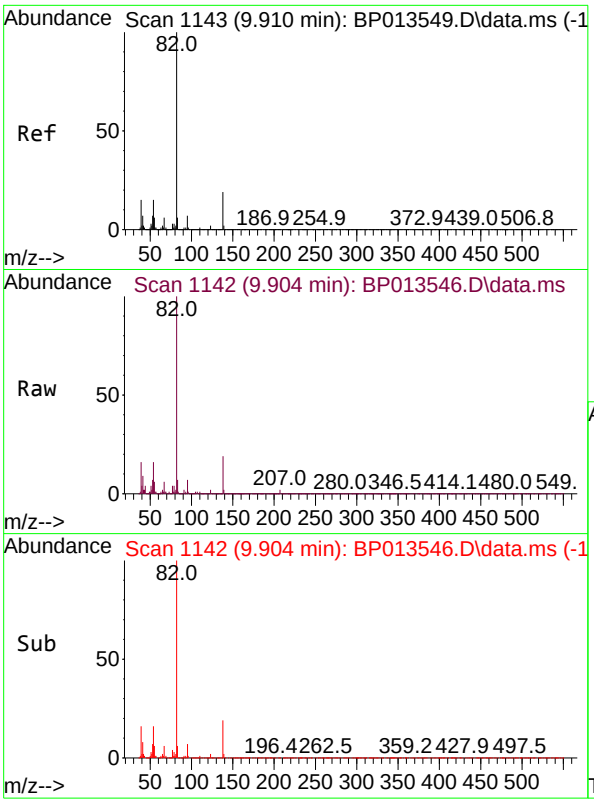


#24
Nitrobenzene
Concen: 4.093 ng
RT: 9.375 min Scan# 1052
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion: 77 Resp: 82968

Ion	Ratio	Lower	Upper
77	100		
123	39.4	37.2	55.8
65	14.7	11.1	16.7





#25
Isophorone
Concen: 5.082 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

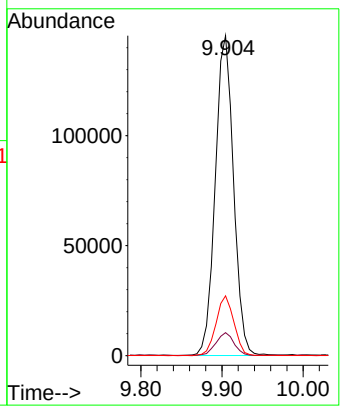
Tgt Ion: 82 Resp: 22724

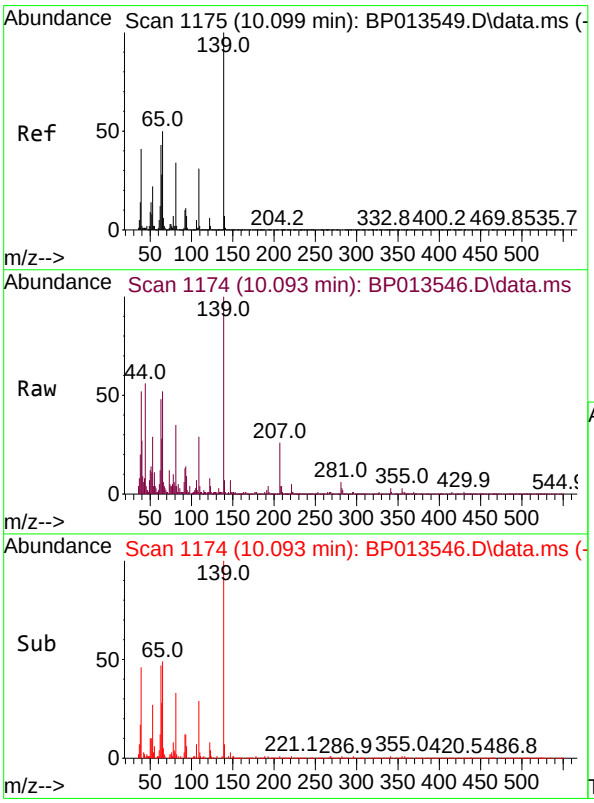
Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.8
138	18.7	15.1	22.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

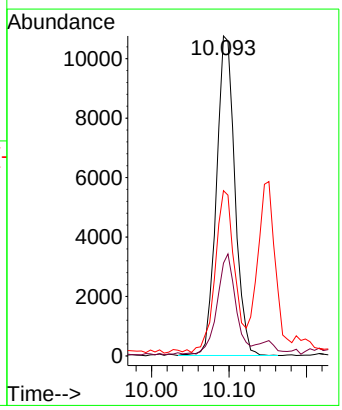


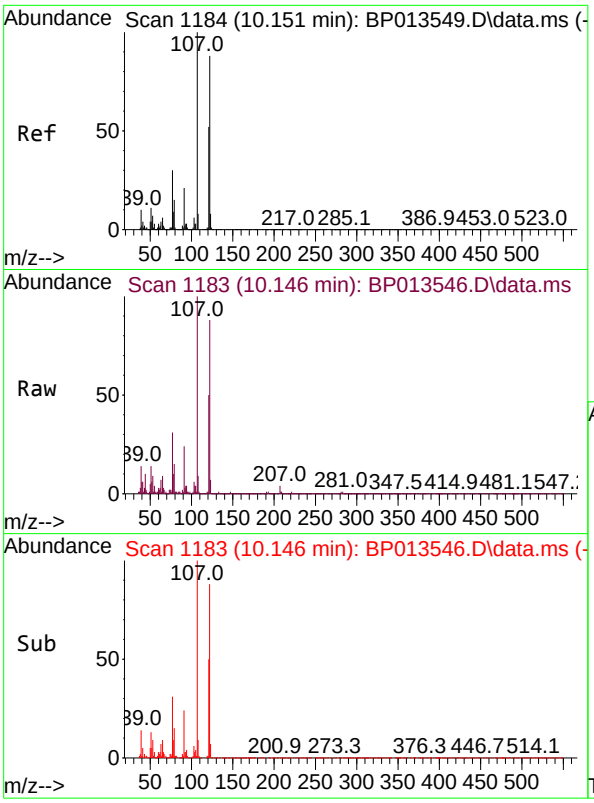


#26
2-Nitrophenol
Concen: 2.820 ng
RT: 10.093 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:139 Resp: 17824

Ion	Ratio	Lower	Upper
139	100		
109	29.0	25.1	37.7
65	51.6	40.1	60.1

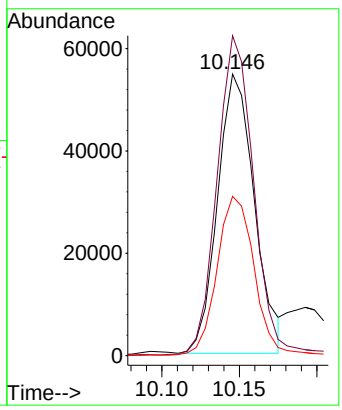




#27
2,4-Dimethylphenol
Concen: 4.594 ng
RT: 10.146 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:122 Resp: 9055

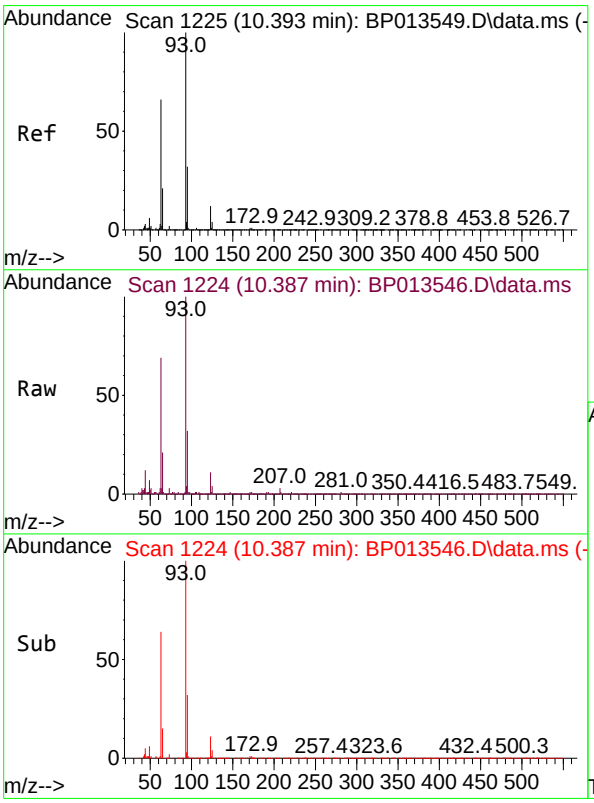
Ion	Ratio	Lower	Upper
122	100		
107	113.7	90.7	136.1
121	56.6	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

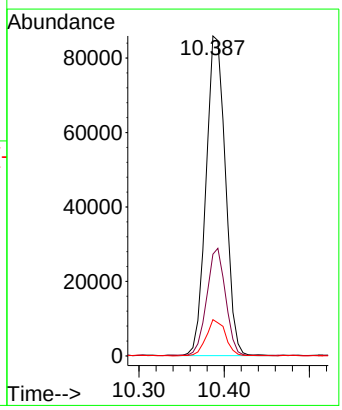
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

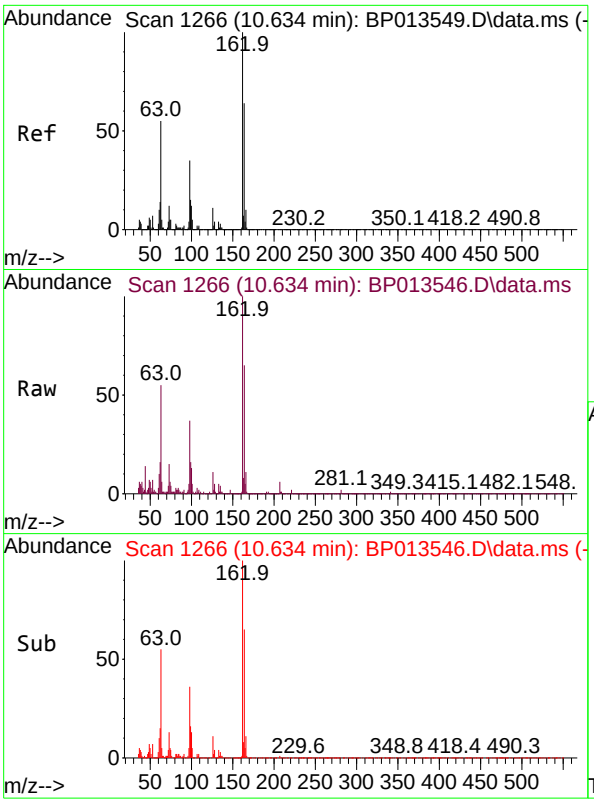


#28
bis(2-Chloroethoxy)methane
Concen: 5.034 ng
RT: 10.387 min Scan# 1224
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion: 93 Resp: 135638

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.8	38.8
123	11.3	9.4	14.0

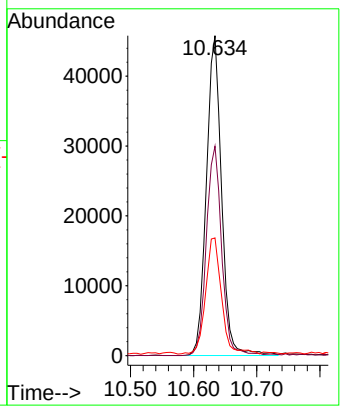




#29
2,4-Dichlorophenol
Concen: 4.326 ng
RT: 10.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:162 Resp: 7680

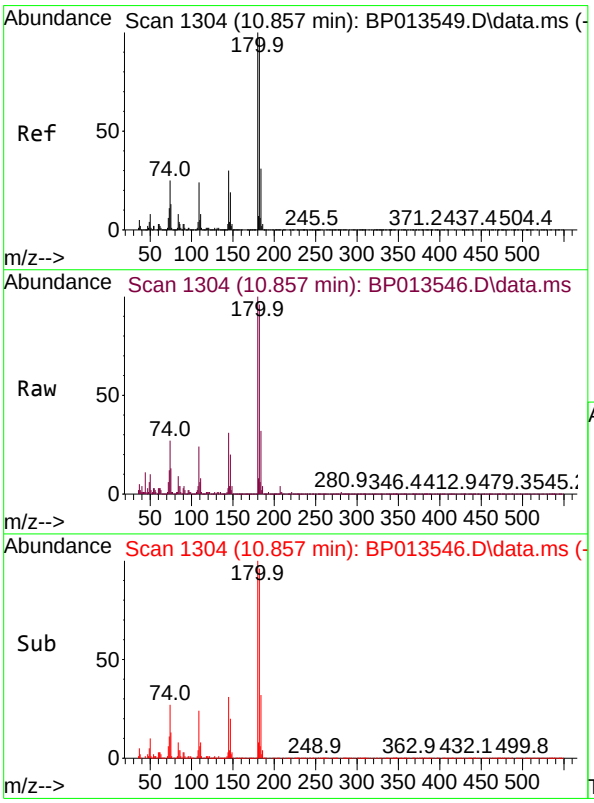
Ion	Ratio	Lower	Upper
162	100		
164	65.4	44.3	84.3
98	36.8	15.3	55.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

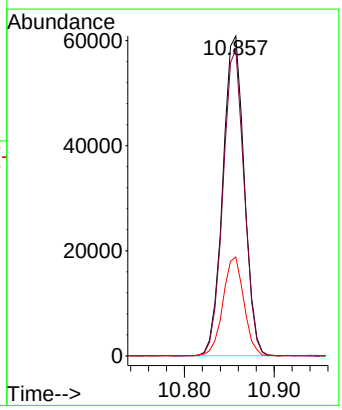
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

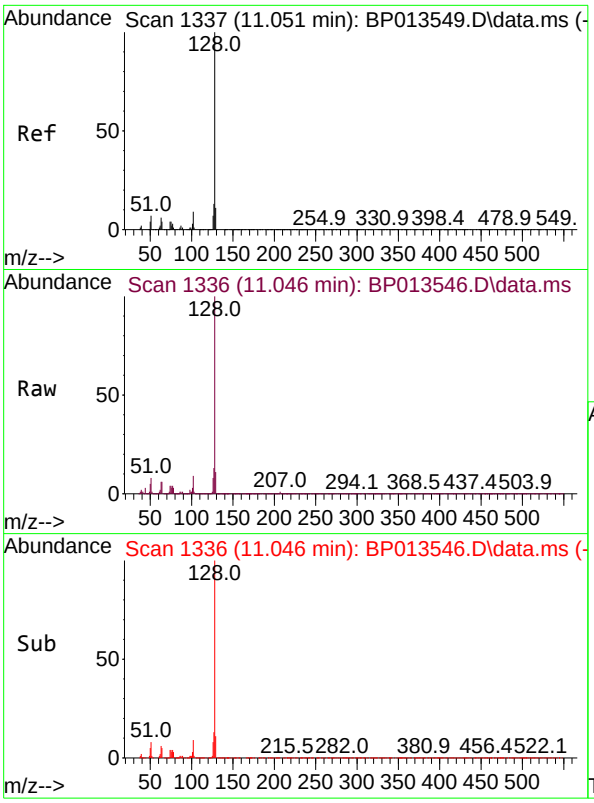


#30
1,2,4-Trichlorobenzene
Concen: 4.991 ng
RT: 10.857 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:180 Resp: 101135

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.9	116.9
145	30.9	24.0	36.0

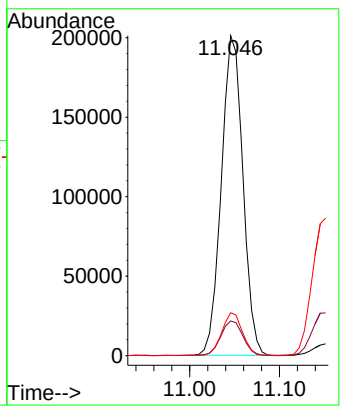




#31
Naphthalene
Concen: 5.042 ng
RT: 11.046 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:128 Resp: 33735

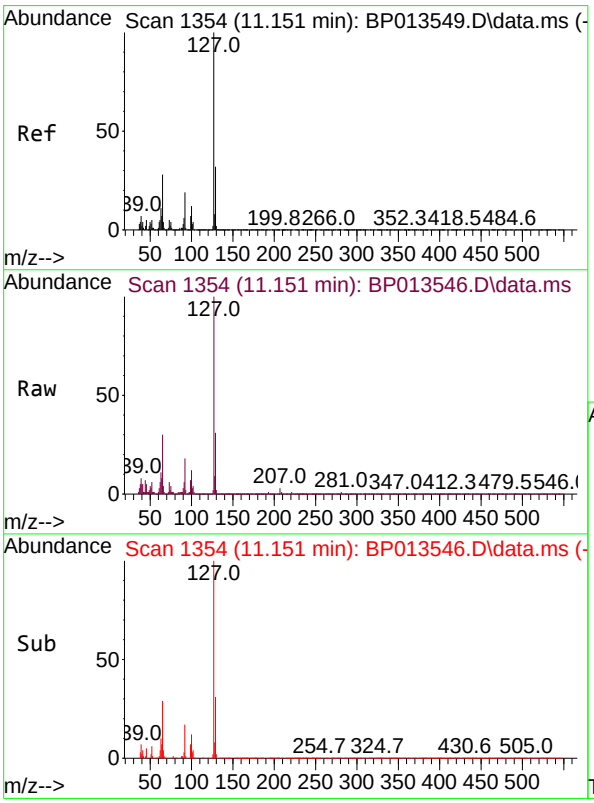
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.5	12.7
127	13.4	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

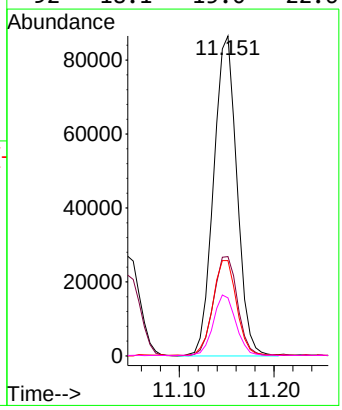
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

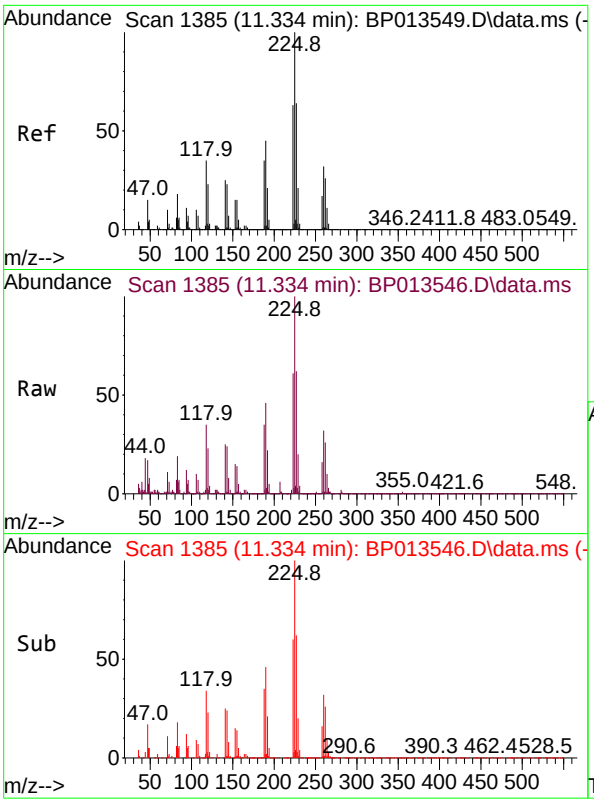


#33
4-Chloroaniline
Concen: 4.993 ng
RT: 11.151 min Scan# 1354
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:127 Resp: 147826

Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.7	38.5
65	29.8	22.7	34.1
92	18.1	15.0	22.6

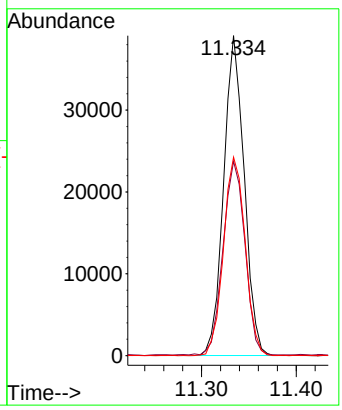




#34
Hexachlorobutadiene
Concen: 4.989 ng
RT: 11.334 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:225 Resp: 5882

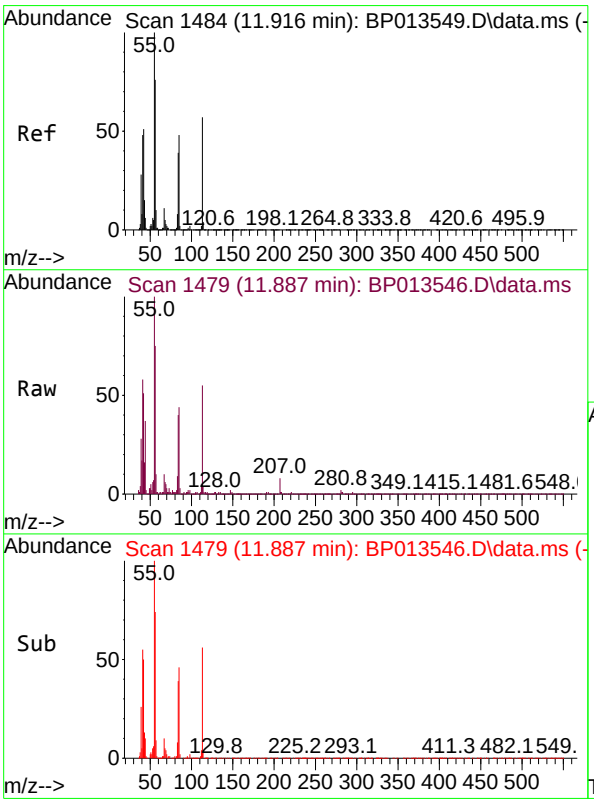
Ion	Ratio	Lower	Upper
225	100		
223	60.7	50.2	75.2
227	62.0	51.4	77.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

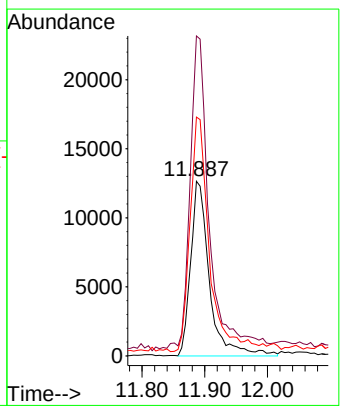
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

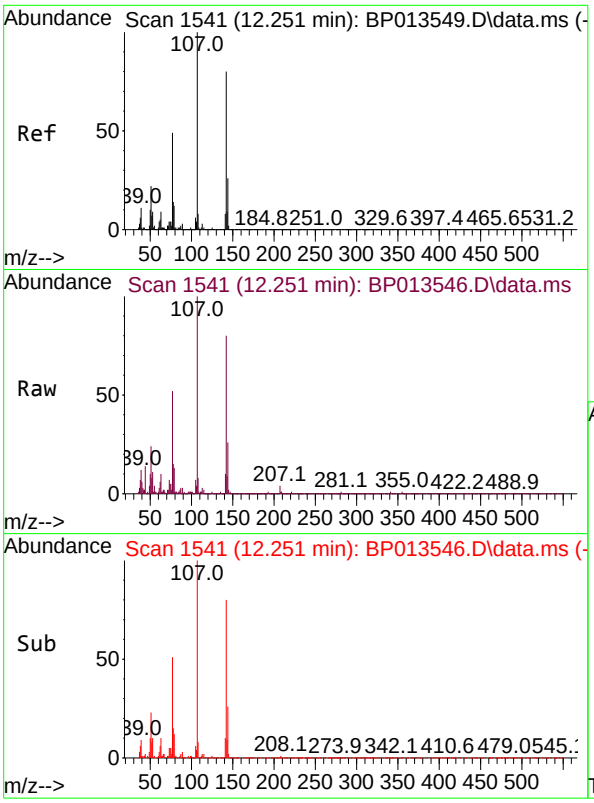


#35
Caprolactam
Concen: 4.606 ng m
RT: 11.887 min Scan# 1479
Delta R.T. -0.029 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:113 Resp: 26416

Ion	Ratio	Lower	Upper
113	100		
55	183.2	156.5	196.5
56	136.7	113.5	153.5





#36
4-Chloro-3-methylphenol
Concen: 4.557 ng
RT: 12.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

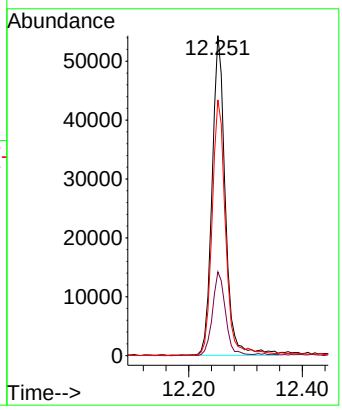
Tgt Ion:107 Resp: 8811

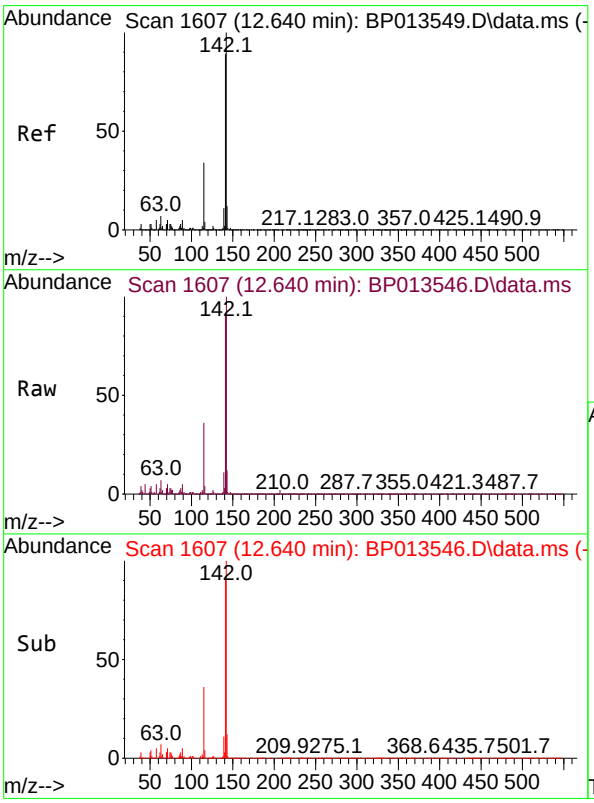
Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.1	31.7
142	79.9	64.0	96.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

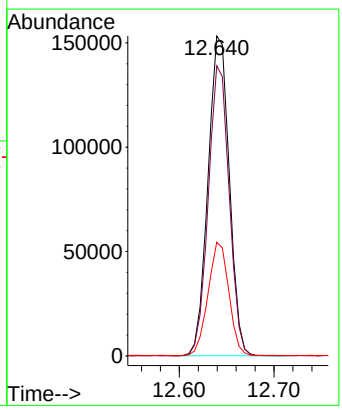


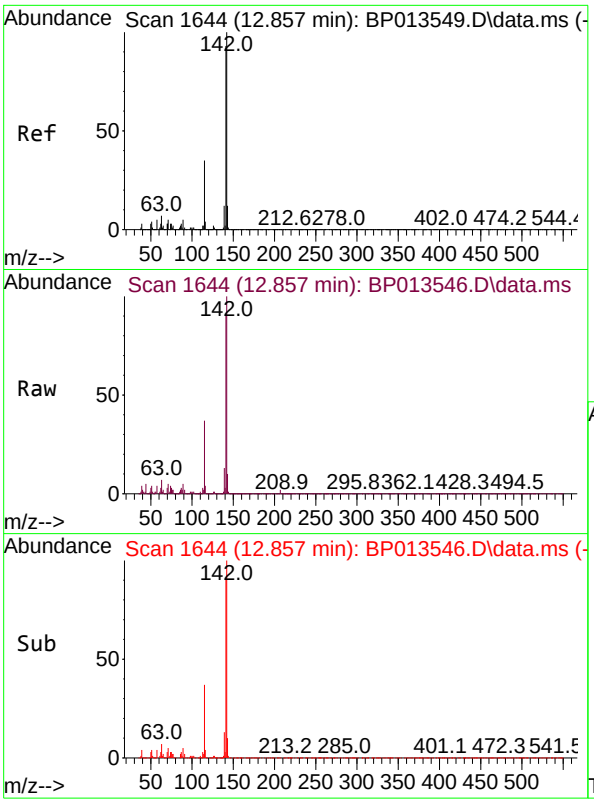


#37
2-Methylnaphthalene
Concen: 5.036 ng
RT: 12.640 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:142 Resp: 239508

Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.4	107.2
115	35.5	27.4	41.2

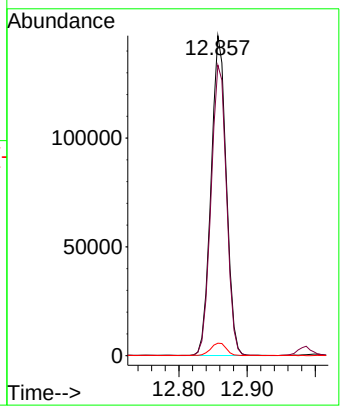




#38
1-Methylnaphthalene
Concen: 5.093 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:142 Resp: 22758

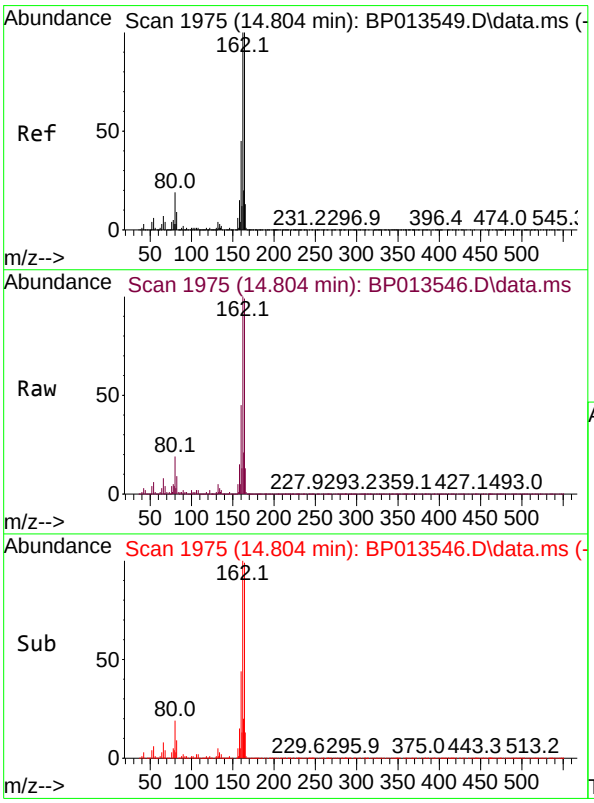
Ion	Ratio	Lower	Upper
142	100		
141	90.8	74.3	111.5
116	3.9	3.0	4.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

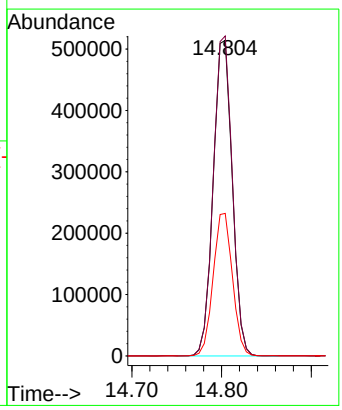
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

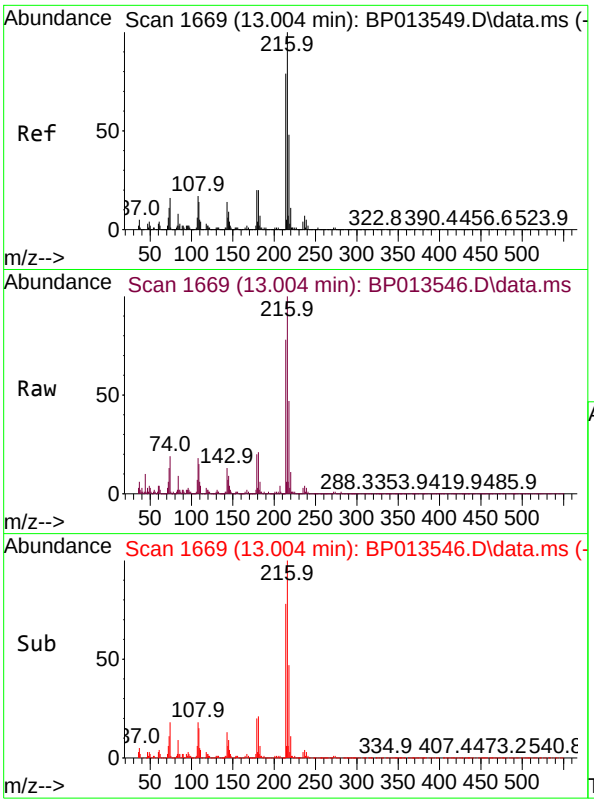


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.804 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:164 Resp: 762595

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.1	120.1
160	45.1	35.9	53.9

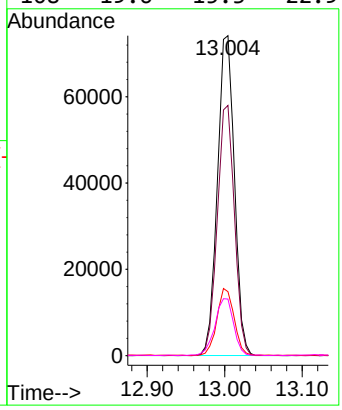




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.823 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:216 Resp: 11322

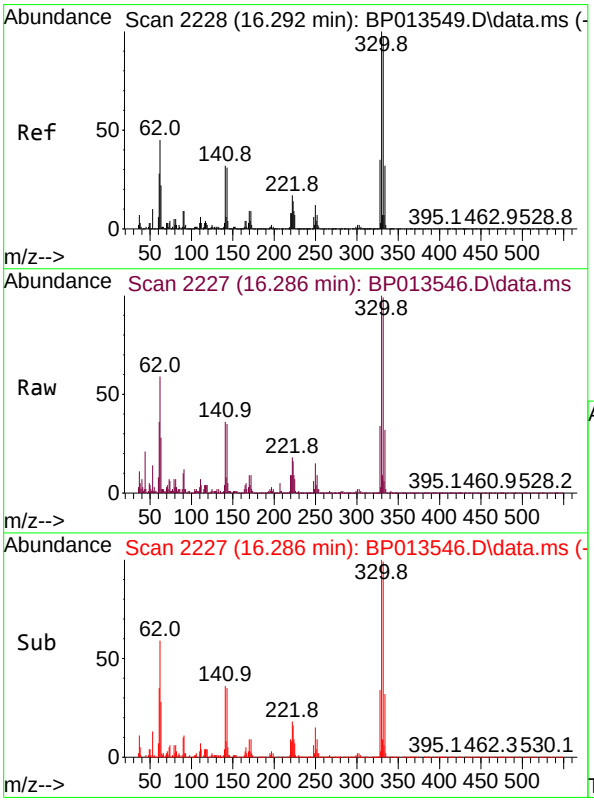
Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.9	94.3
179	21.4	16.6	24.8
108	19.6	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

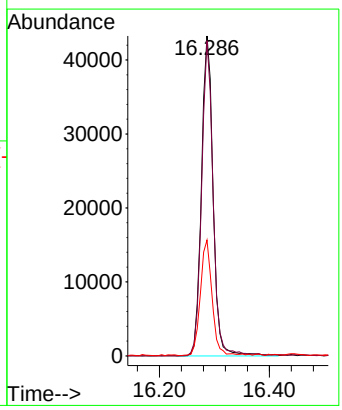
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

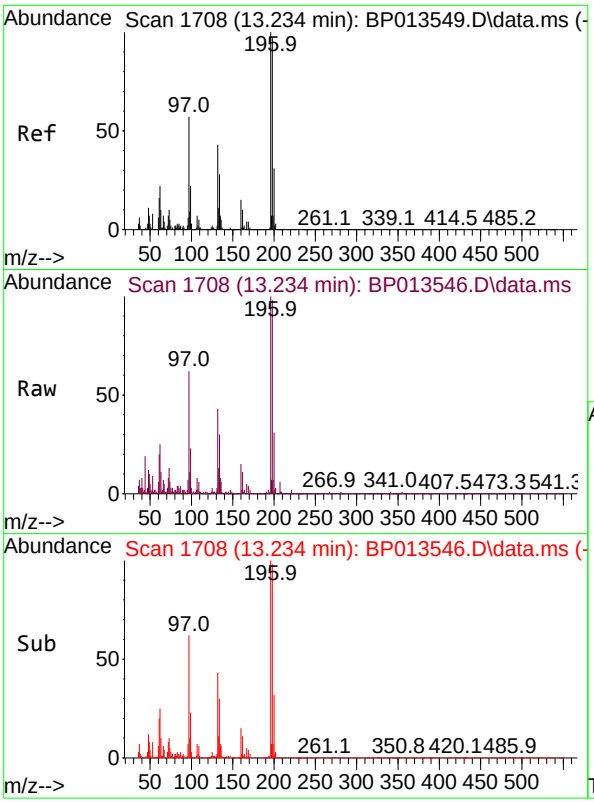


#42
2,4,6-Tribromophenol
Concen: 7.996 ng
RT: 16.286 min Scan# 2227
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:330 Resp: 63576

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.2
141	36.5	27.6	41.4

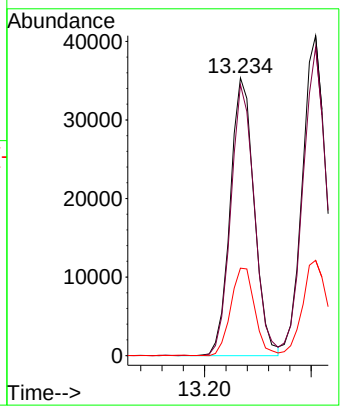




#43
2,4,6-Trichlorophenol
Concen: 4.016 ng
RT: 13.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:196 Resp: 5517

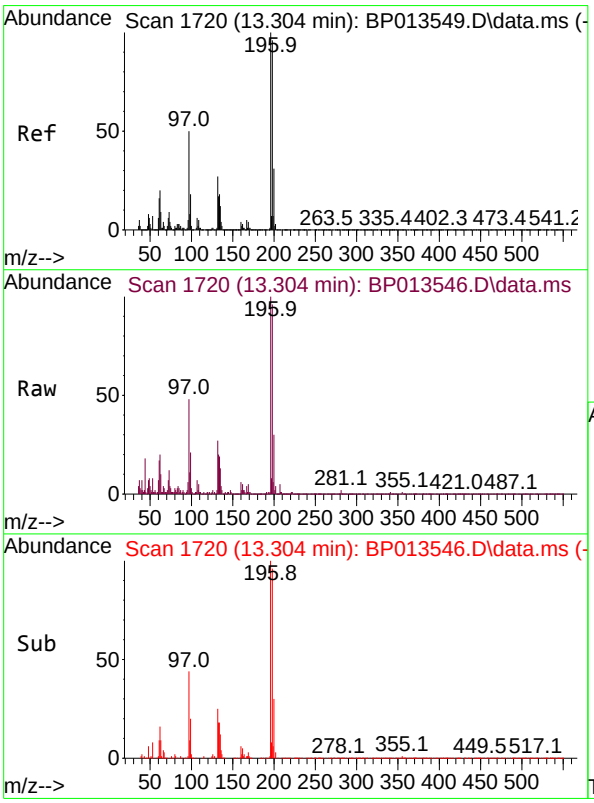
Ion	Ratio	Lower	Upper
196	100		
198	97.6	77.3	115.9
200	31.5	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

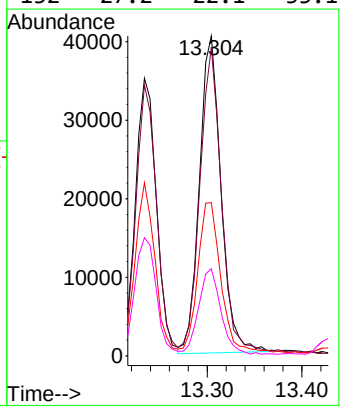
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

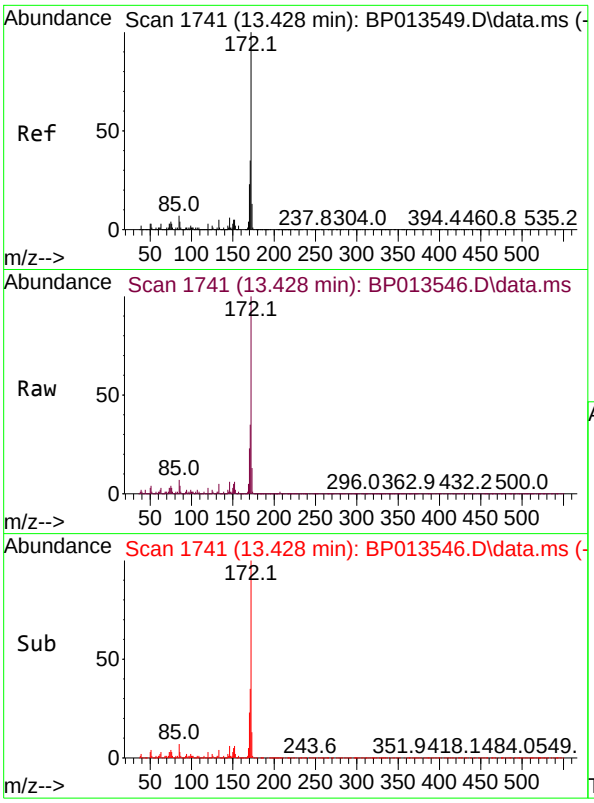


#44
2,4,5-Trichlorophenol
Concen: 3.954 ng
RT: 13.304 min Scan# 1720
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:196 Resp: 64198

Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.7	115.1
97	47.9	40.0	60.0
132	27.2	22.1	33.1

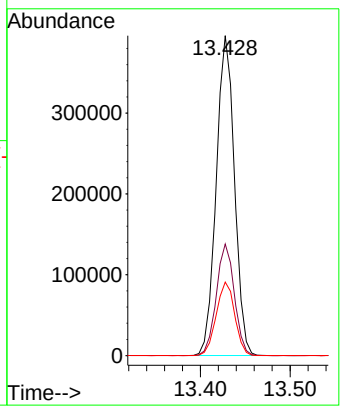




#45
2-Fluorobiphenyl
Concen: 10.104 ng
RT: 13.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:172 Resp: 56133

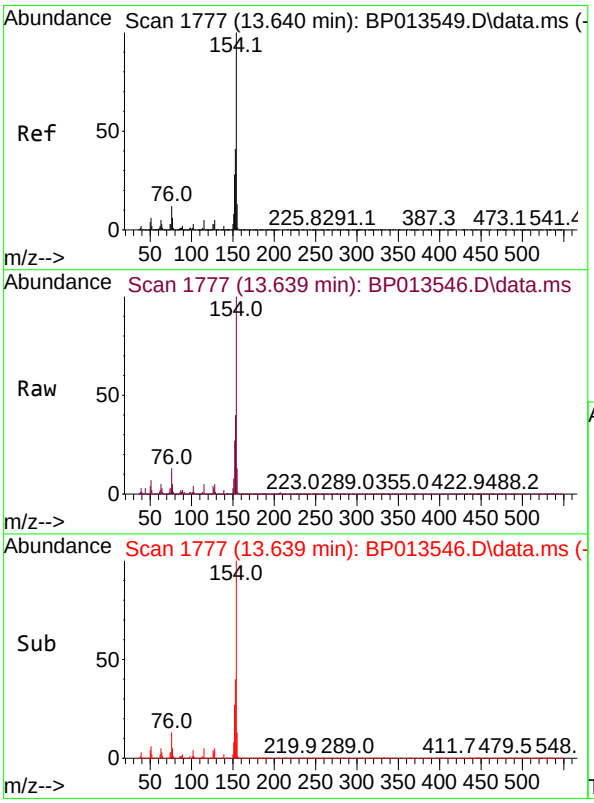
Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.8
170	23.0	18.6	27.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

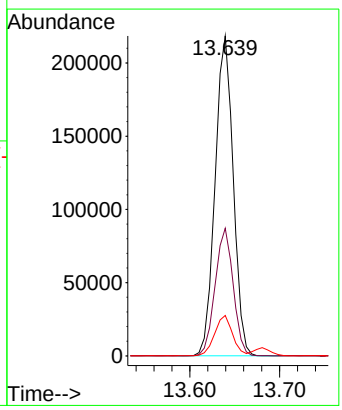
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

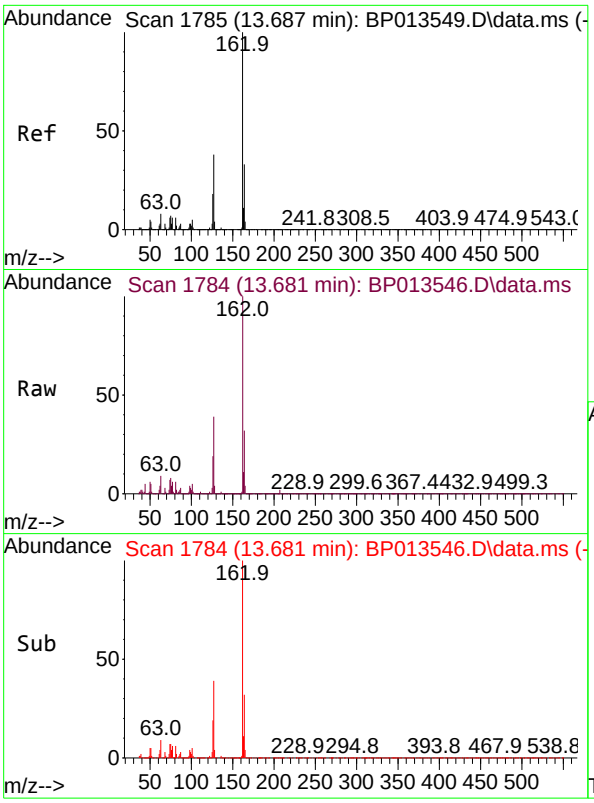


#46
1,1'-Biphenyl
Concen: 5.030 ng
RT: 13.639 min Scan# 1777
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:154 Resp: 308083

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.5	60.5
76	12.6	0.0	32.1

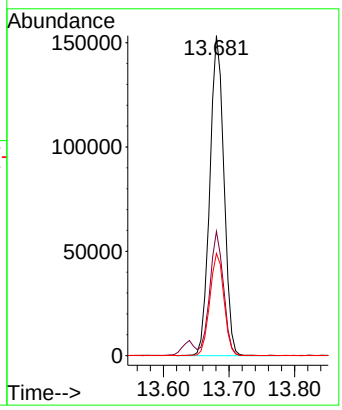




#47
2-Chloronaphthalene
Concen: 4.994 ng
RT: 13.681 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:162 Resp: 22913

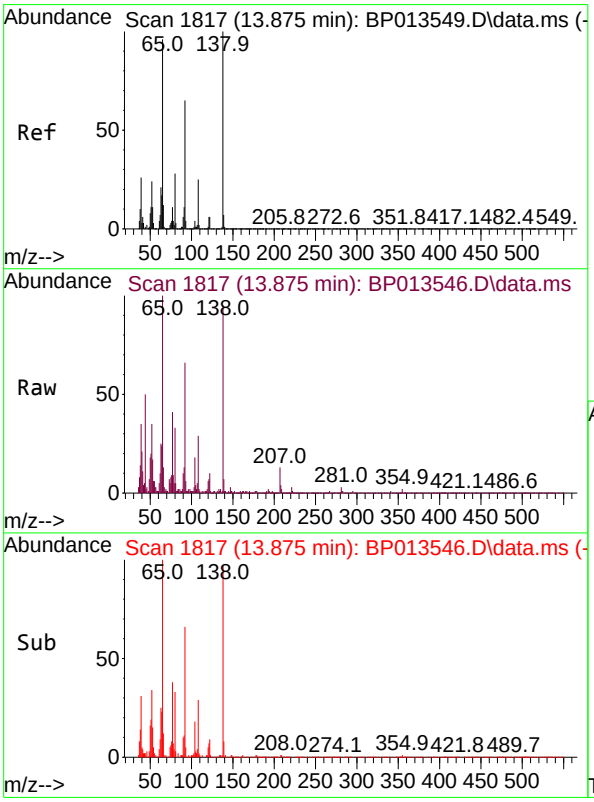
Ion	Ratio	Lower	Upper
162	100		
127	38.8	30.8	46.2
164	31.9	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

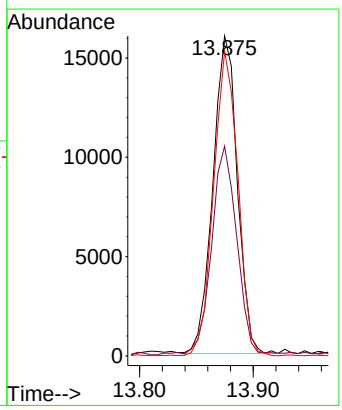
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

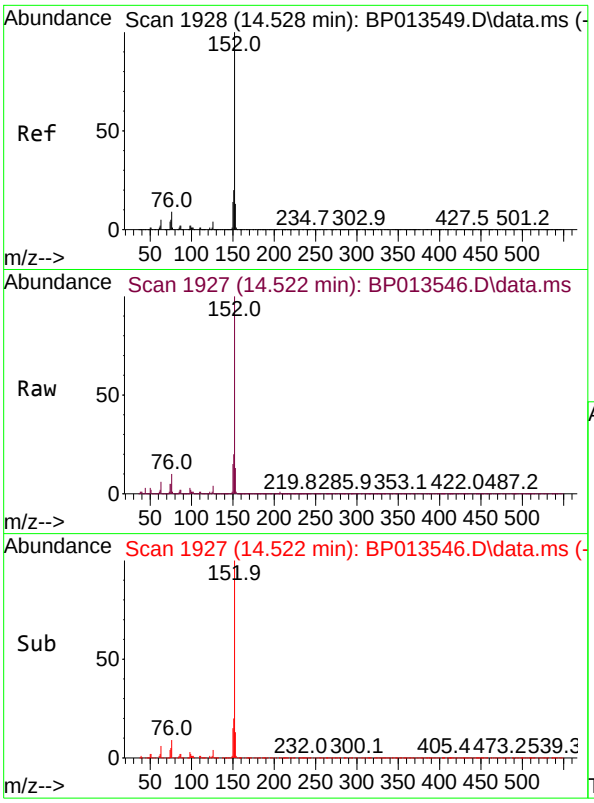


#48
2-Nitroaniline
Concen: 2.602 ng
RT: 13.875 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion: 65 Resp: 23889

Ion	Ratio	Lower	Upper
65	100		
92	65.5	54.1	81.1
138	95.2	83.6	125.4





#49
Acenaphthylene
Concen: 4.907 ng
RT: 14.522 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

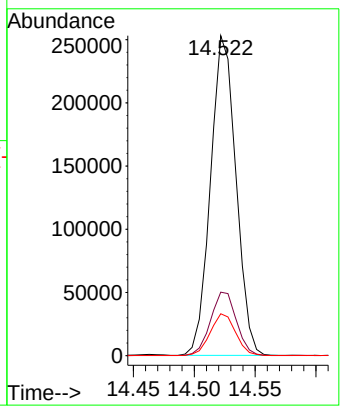
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

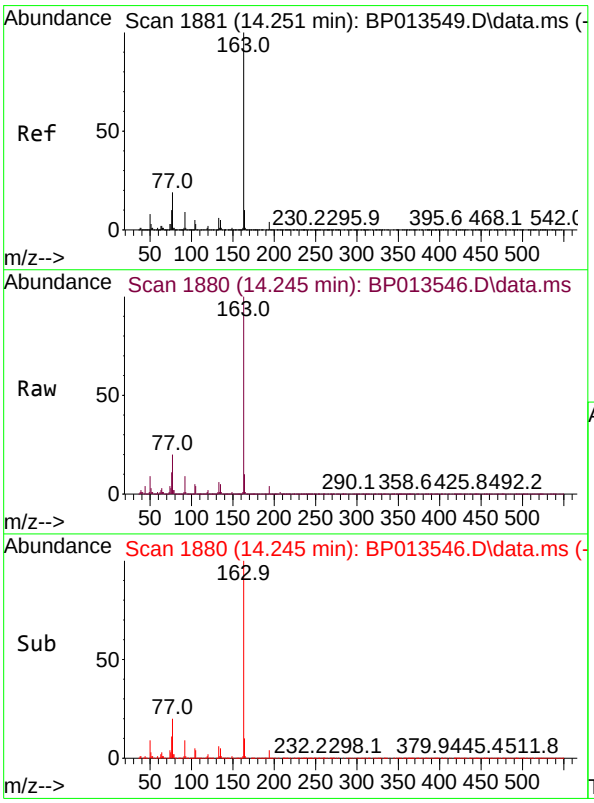
Tgt Ion:152 Resp: 36817

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.1	24.1
153	13.1	10.1	15.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

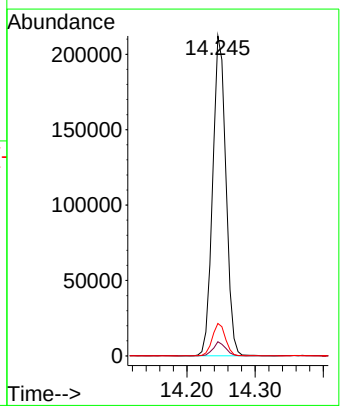


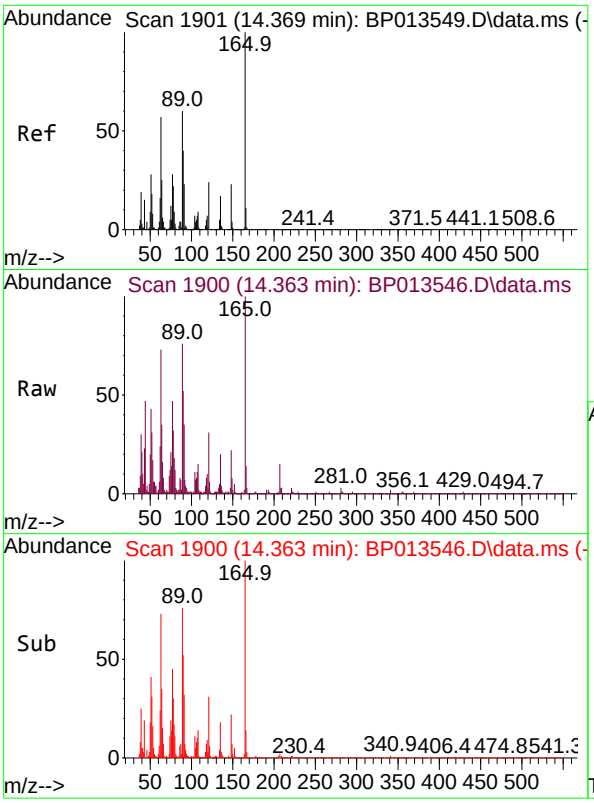


#50
Dimethylphthalate
Concen: 5.018 ng
RT: 14.245 min Scan# 1880
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:163 Resp: 284473

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.2	4.8
164	10.1	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 2.610 ng
RT: 14.363 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

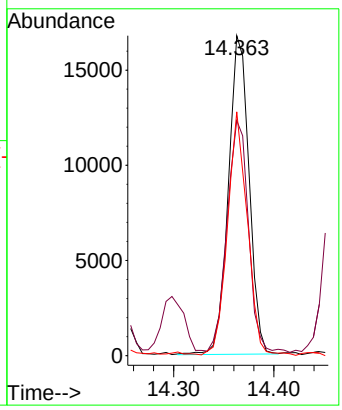
Tgt Ion:165 Resp: 2389

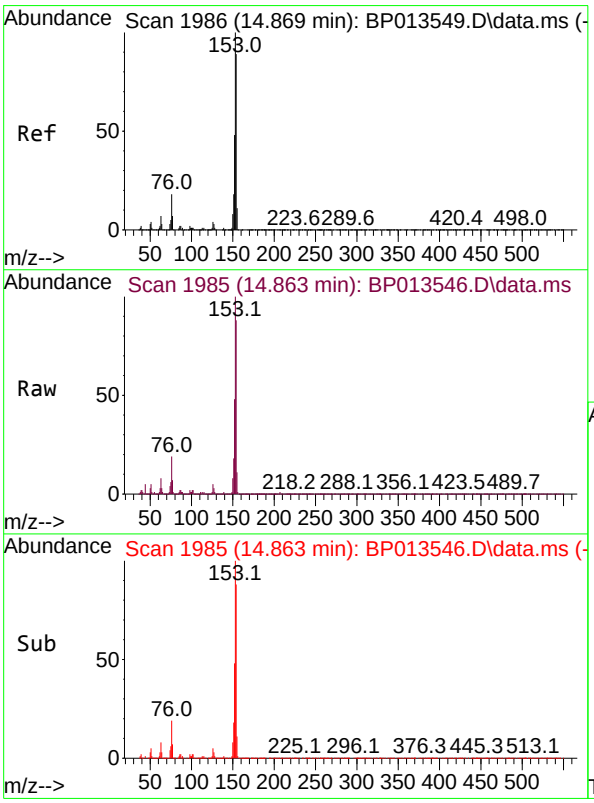
Ion	Ratio	Lower	Upper
165	100		
63	73.5	47.2	70.8#
89	76.2	47.8	71.6#

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

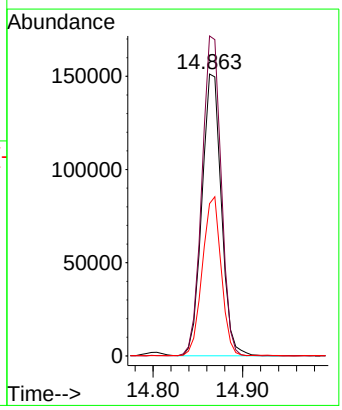


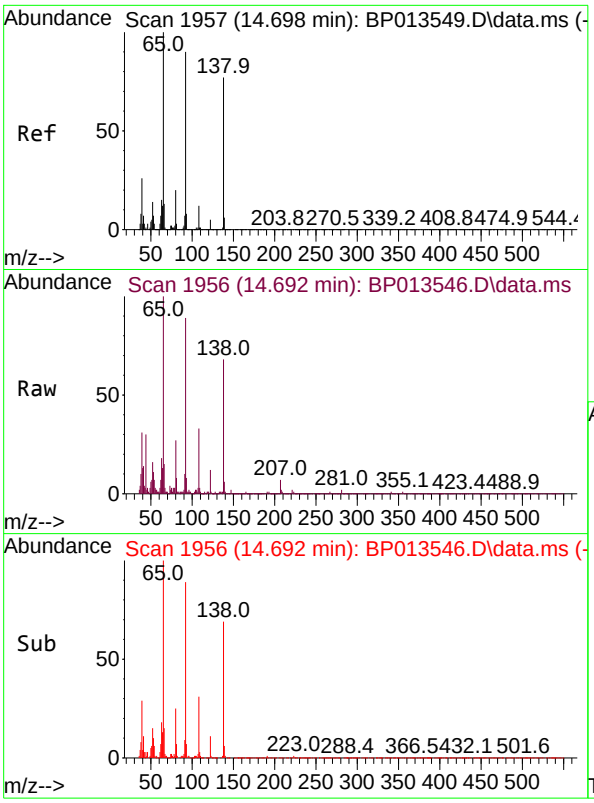


#52
Acenaphthene
Concen: 4.924 ng
RT: 14.863 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:154 Resp: 228238

Ion	Ratio	Lower	Upper
154	100		
153	113.5	89.4	134.0
152	54.0	42.7	64.1

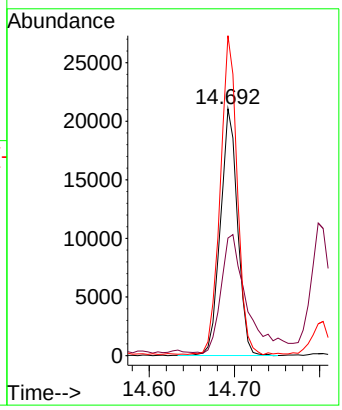




#53
3-Nitroaniline
Concen: 2.801 ng
RT: 14.692 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:138 Resp: 2939

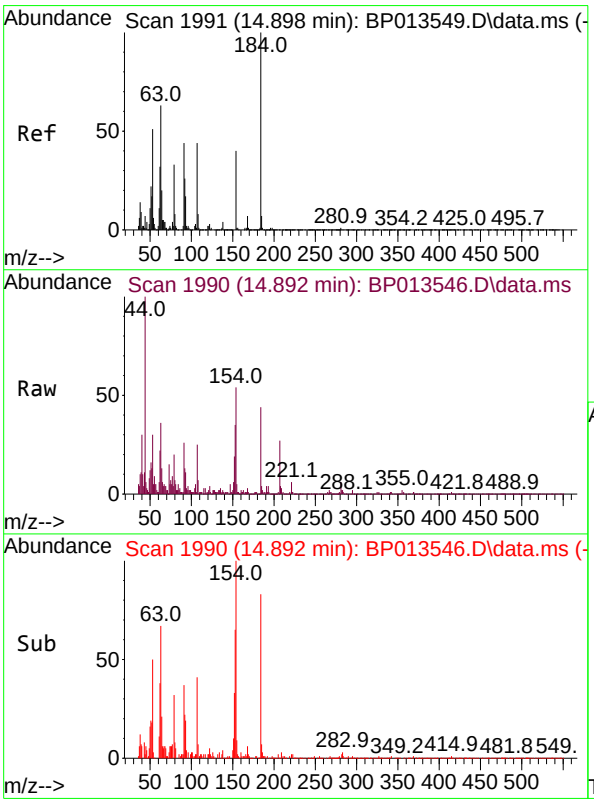
Ion	Ratio	Lower	Upper
138	100		
108	47.6	12.8	19.2#
92	129.7	93.3	139.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

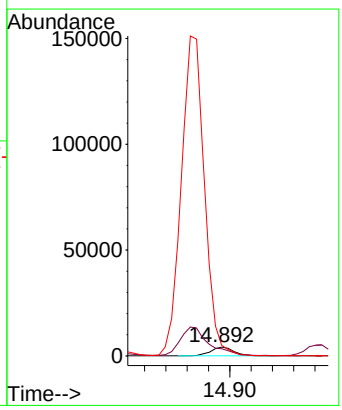
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

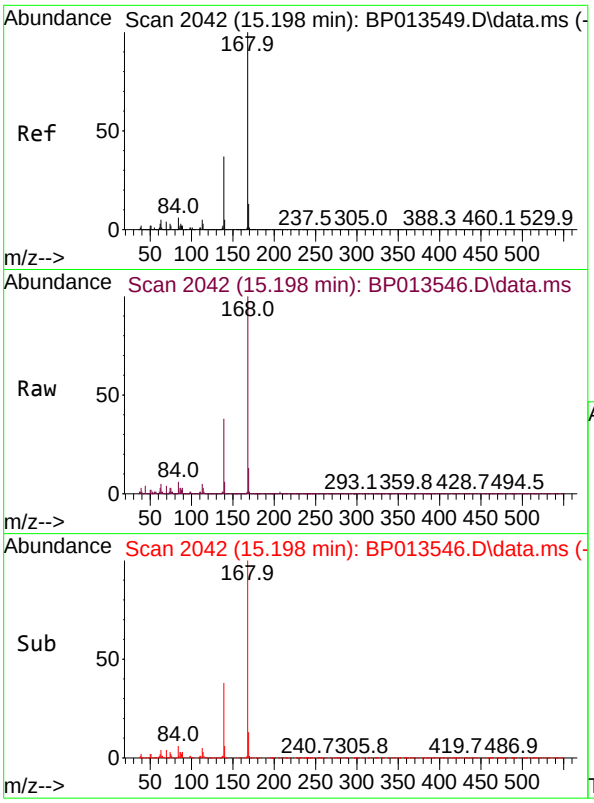


#54
2,4-Dinitrophenol
Concen: 2.225 ng
RT: 14.892 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:184 Resp: 6206

Ion	Ratio	Lower	Upper
184	100		
63	81.9	53.2	79.8#
154	120.9	54.4	81.6#

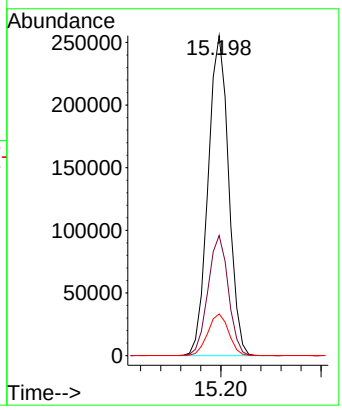




#55
Dibenzofuran
Concen: 5.109 ng
RT: 15.198 min Scan# 20
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:168 Resp: 36312

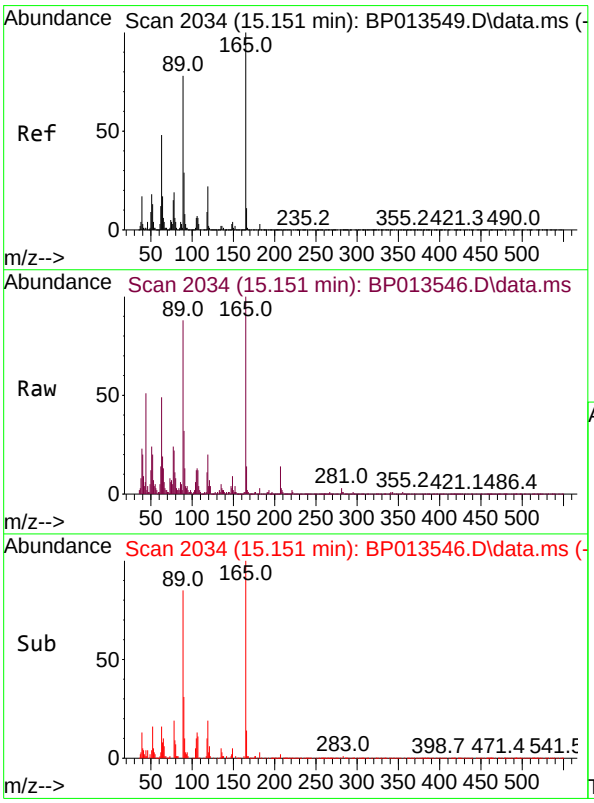
Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.9	44.9
169	13.0	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

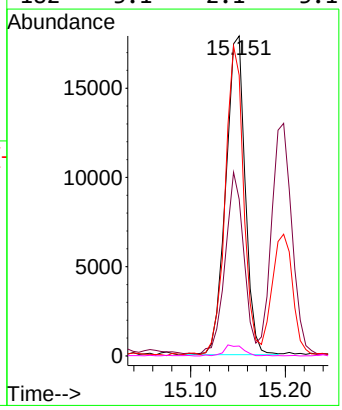
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

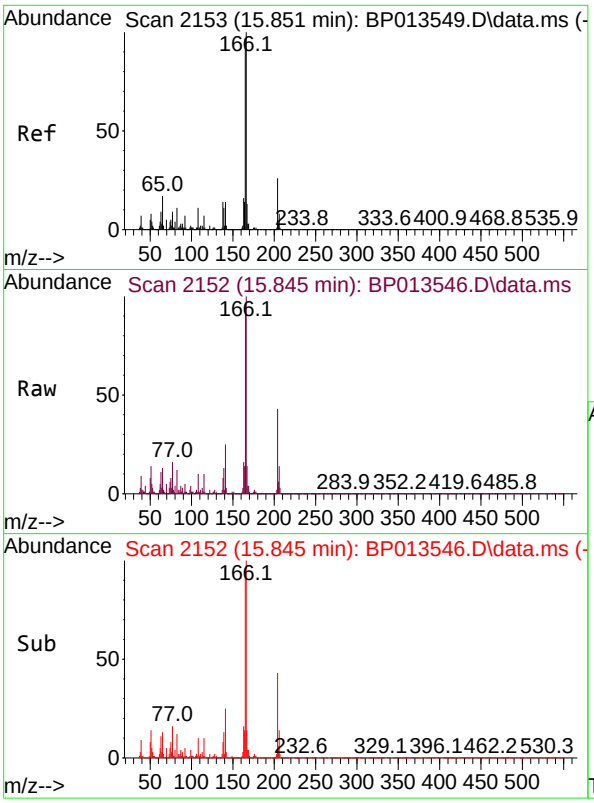


#57
2,4-Dinitrotoluene
Concen: 2.301 ng
RT: 15.151 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:165 Resp: 25320

Ion	Ratio	Lower	Upper
165	100		
63	49.0	38.3	57.5
89	87.8	62.1	93.1
182	3.1	2.1	3.1

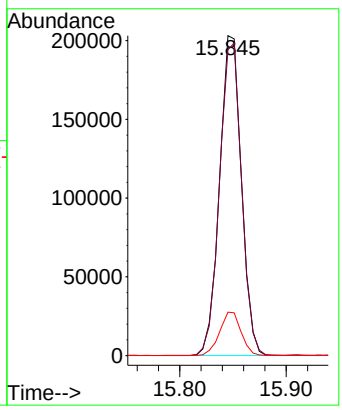




#58
Fluorene
Concen: 5.140 ng
RT: 15.845 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:166 Resp: 29034

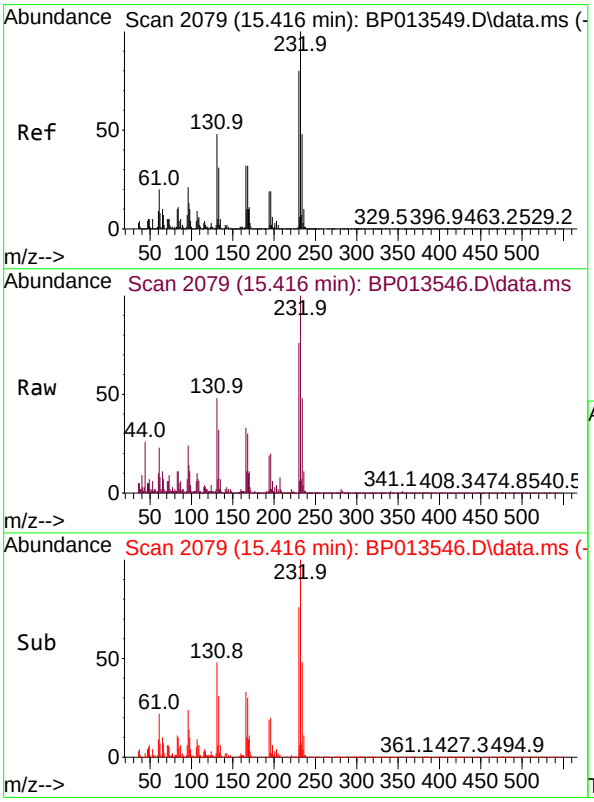
Ion	Ratio	Lower	Upper
166	100		
165	95.5	77.8	116.8
167	13.6	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

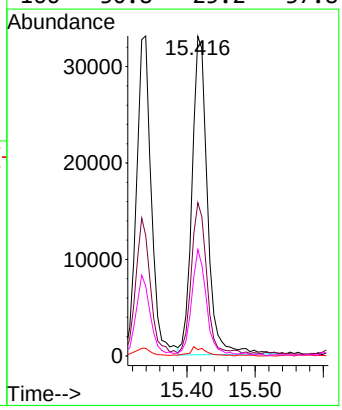
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

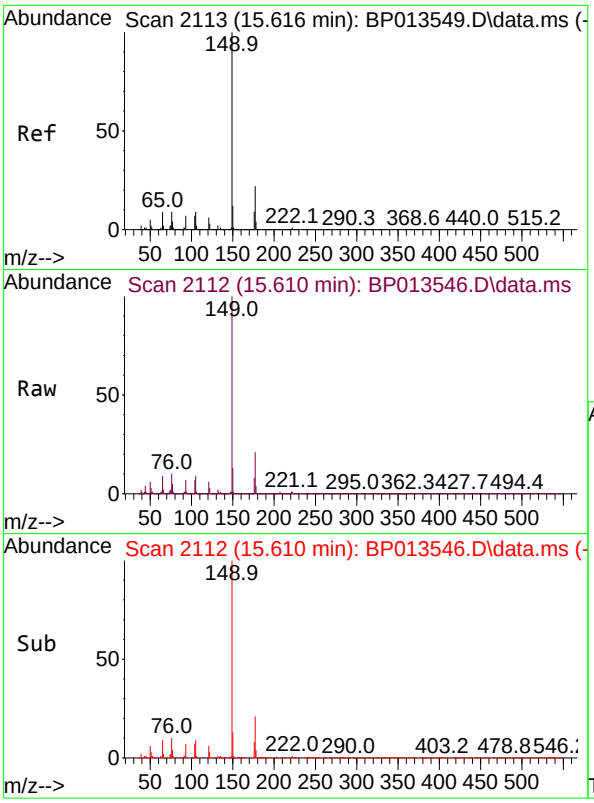


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.173 ng
RT: 15.416 min Scan# 2079
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:232 Resp: 52023

Ion	Ratio	Lower	Upper
232	100		
131	48.5	37.1	55.7
130	3.0	1.9	2.9#
166	30.8	25.2	37.8





#60
Diethylphthalate
Concen: 5.065 ng
RT: 15.610 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

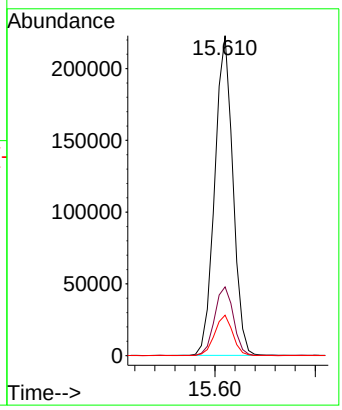
Tgt Ion:149 Resp: 28041

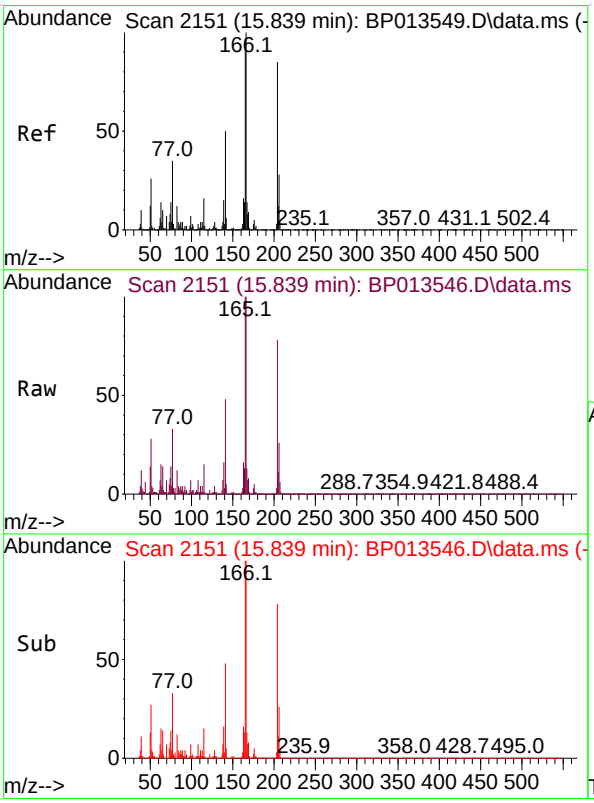
Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.8	26.6
150	12.6	9.8	14.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

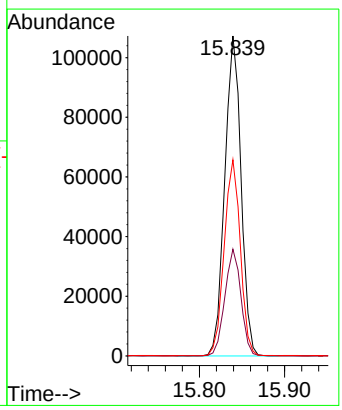


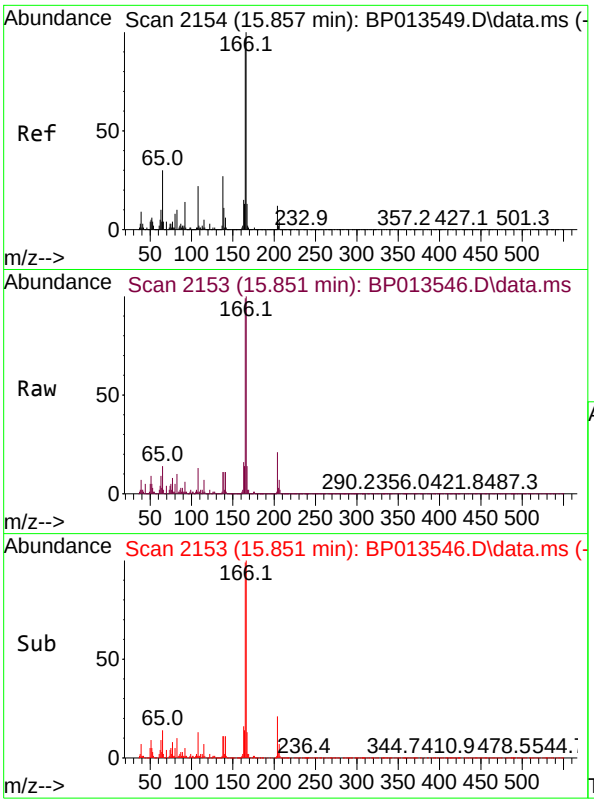


#61
4-Chlorophenyl-phenylether
Concen: 5.116 ng
RT: 15.839 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:204 Resp: 142114

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.6	39.8
141	61.3	47.0	70.4

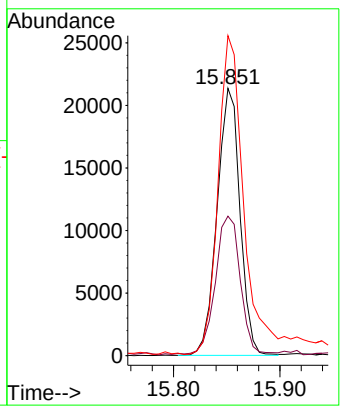




#62
4-Nitroaniline
Concen: 2.986 ng
RT: 15.851 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:138 Resp: 3197

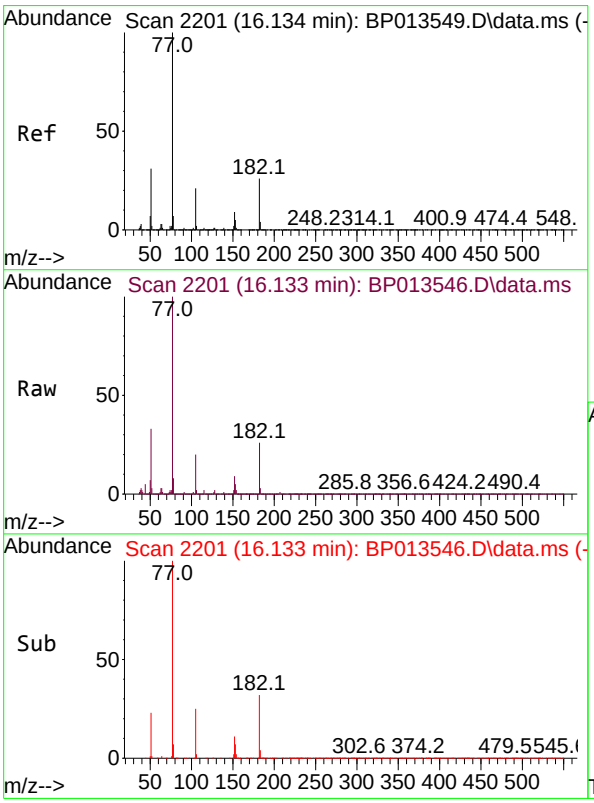
Ion	Ratio	Lower	Upper
138	100		
92	52.2	32.3	72.3
108	119.7	59.2	99.2#



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

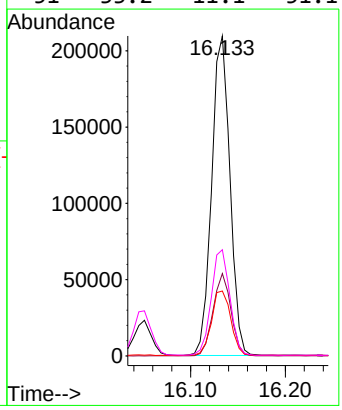
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

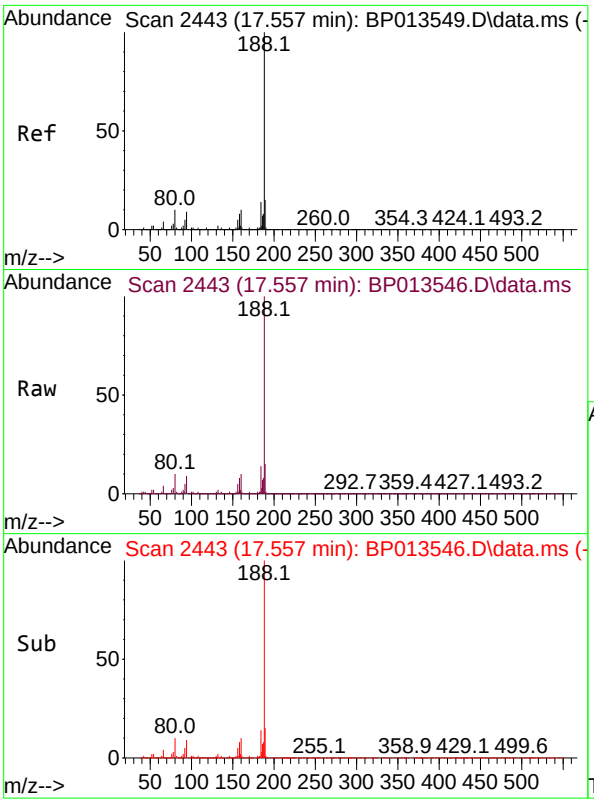


#63
Azobenzene
Concen: 5.222 ng
RT: 16.133 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion: 77 Resp: 280967

Ion	Ratio	Lower	Upper
77	100		
182	25.7	5.5	45.5
105	20.3	1.4	41.4
51	33.2	11.1	51.1

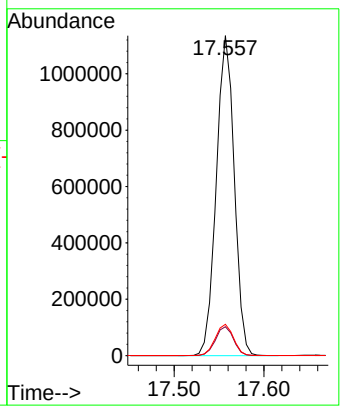




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.557 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:188 Resp: 158110

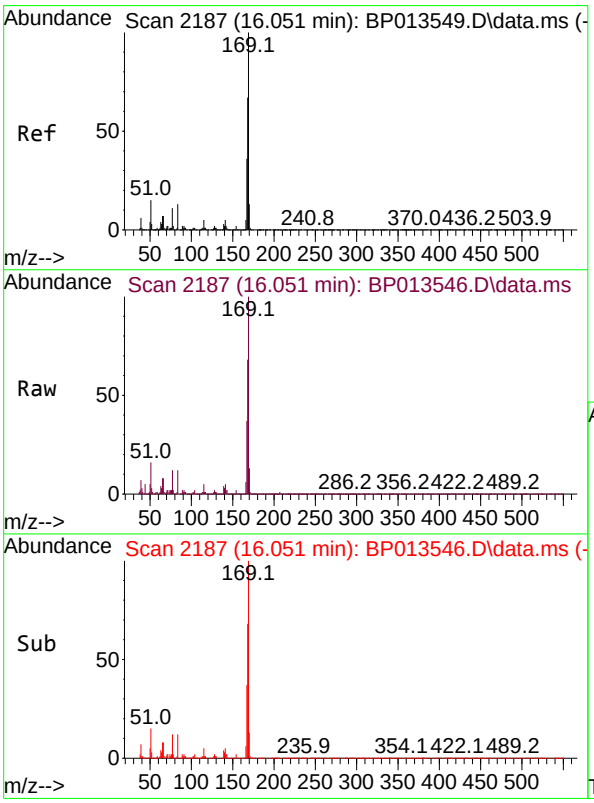
Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	9.8	8.2	12.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

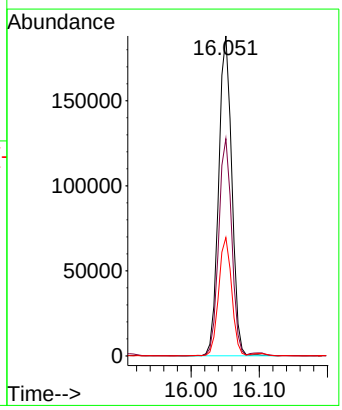
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

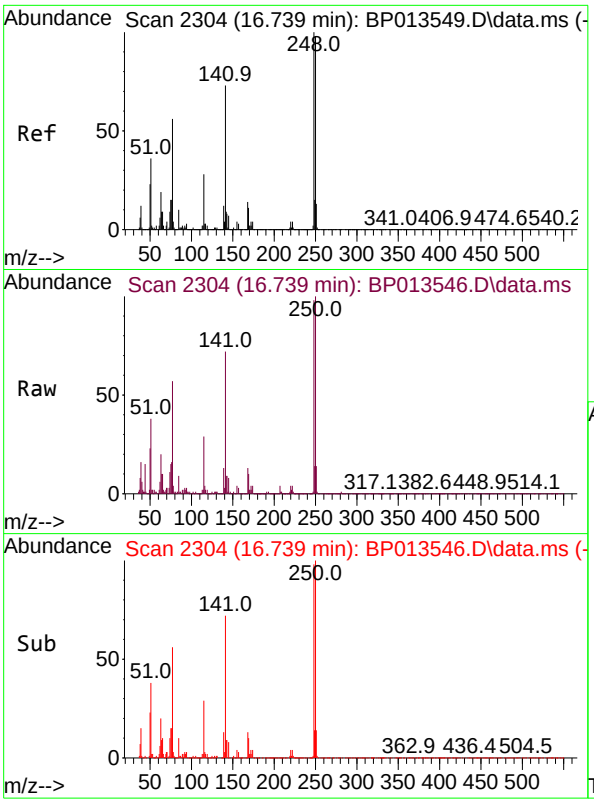


#66
n-Nitrosodiphenylamine
Concen: 4.857 ng
RT: 16.051 min Scan# 2187
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:169 Resp: 250427

Ion	Ratio	Lower	Upper
169	100		
168	67.9	54.0	81.0
167	37.0	29.0	43.6

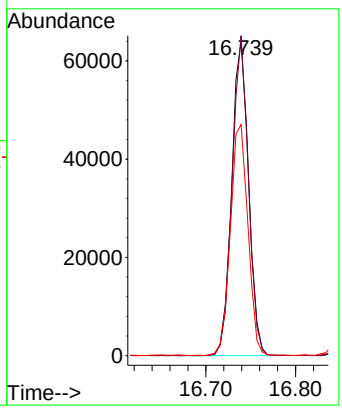




#67
4-Bromophenyl-phenylether
Concen: 4.820 ng
RT: 16.739 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:248 Resp: 8441

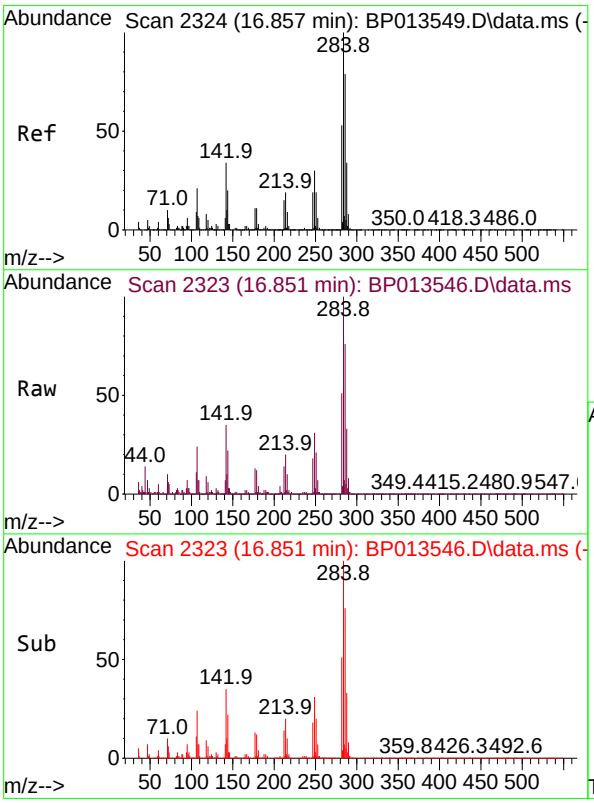
Ion	Ratio	Lower	Upper
248	100		
250	101.9	78.1	117.1
141	73.6	58.1	87.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

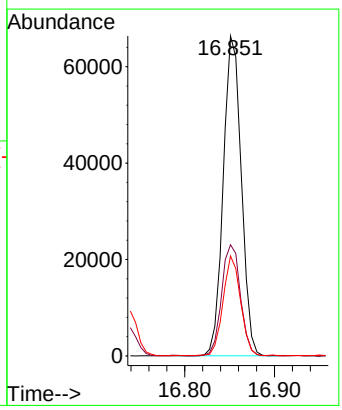
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

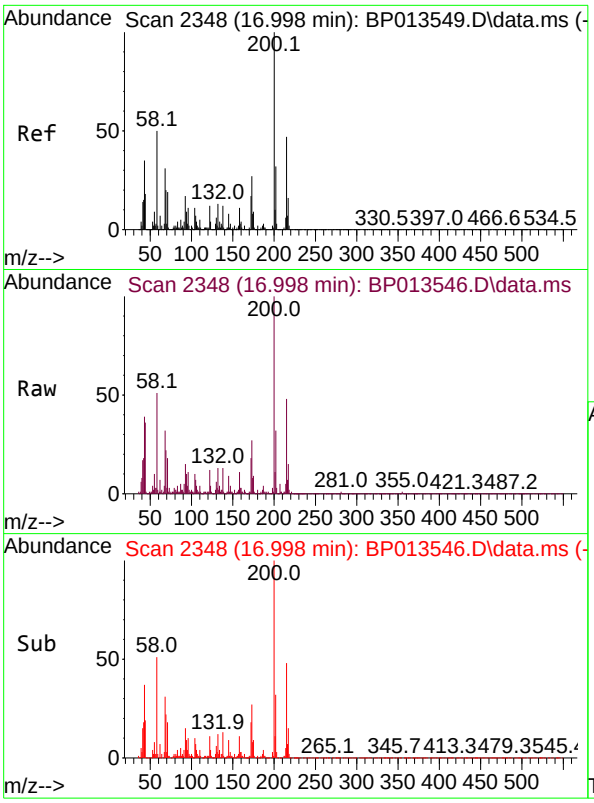


#68
Hexachlorobenzene
Concen: 4.916 ng
RT: 16.851 min Scan# 2323
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:284 Resp: 93008

Ion	Ratio	Lower	Upper
284	100		
142	34.7	27.3	40.9
249	31.2	24.0	36.0

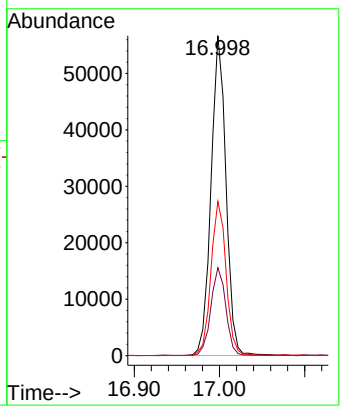




#69
Atrazine
Concen: 4.673 ng
RT: 16.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:200 Resp: 6894

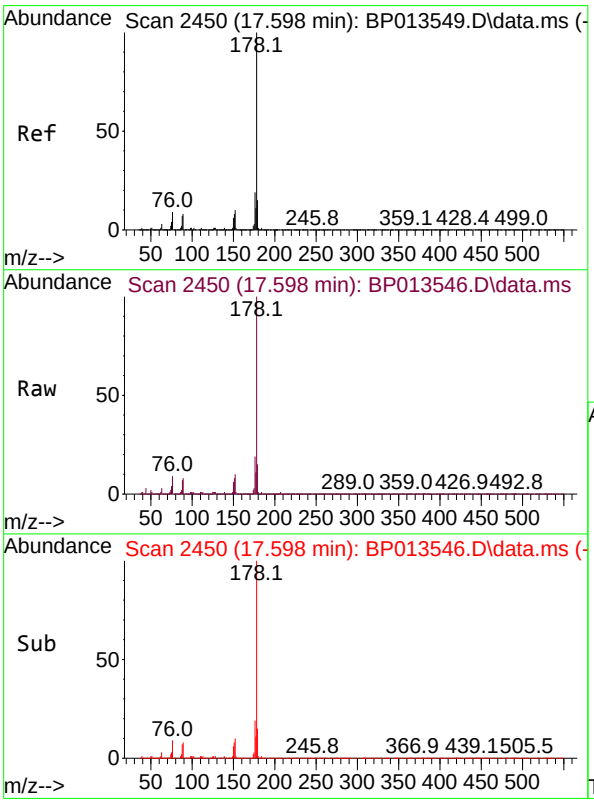
Ion	Ratio	Lower	Upper
200	100		
173	27.5	7.2	47.2
215	48.2	27.3	67.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

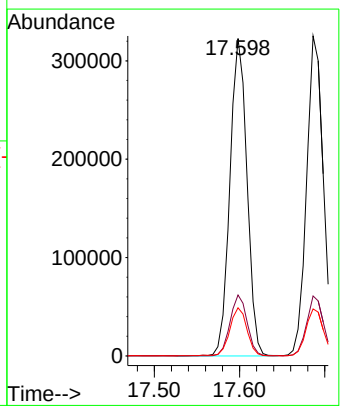
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

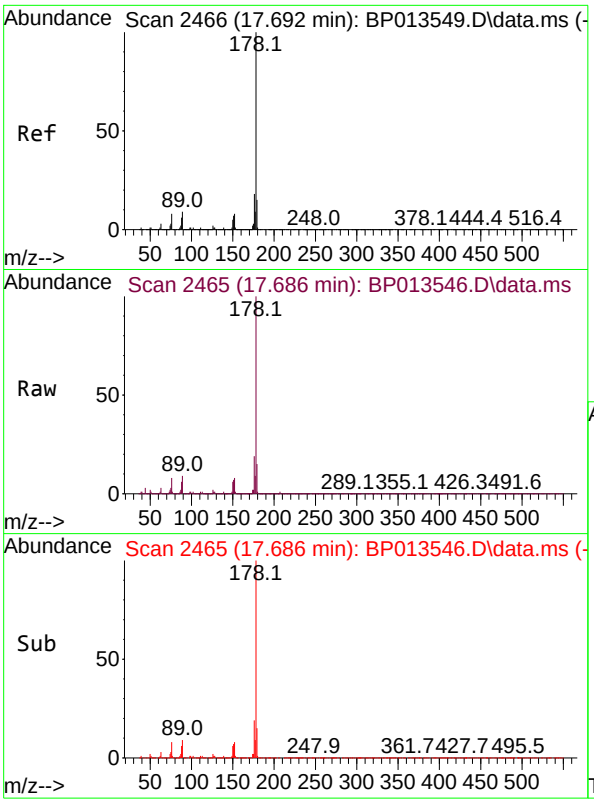


#71
Phenanthrene
Concen: 5.097 ng
RT: 17.598 min Scan# 2450
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:178 Resp: 448418

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.1	12.2	18.4

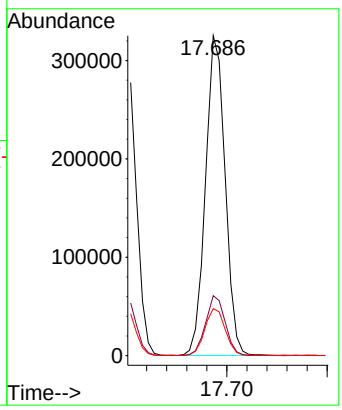




#72
Anthracene
Concen: 4.934 ng
RT: 17.686 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:178 Resp: 44056

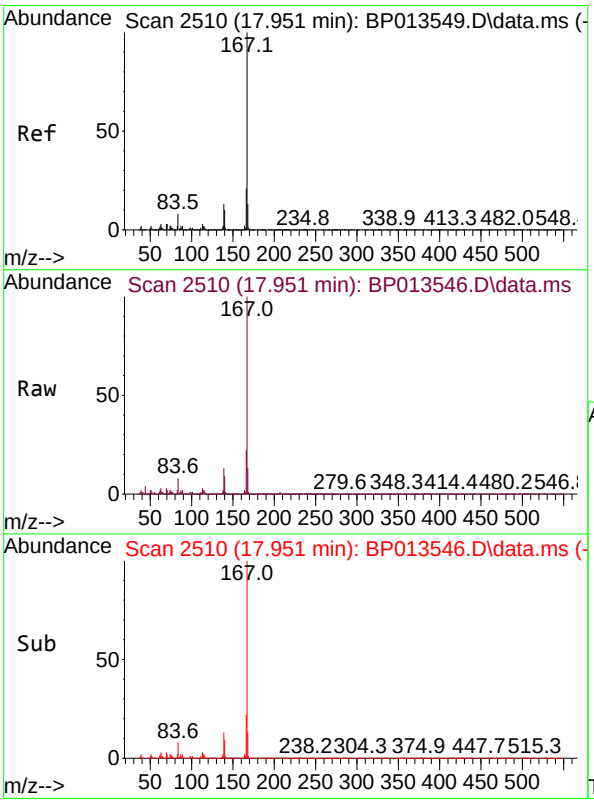
Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	14.7	12.3	18.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

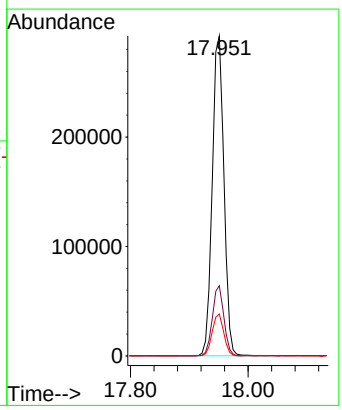
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

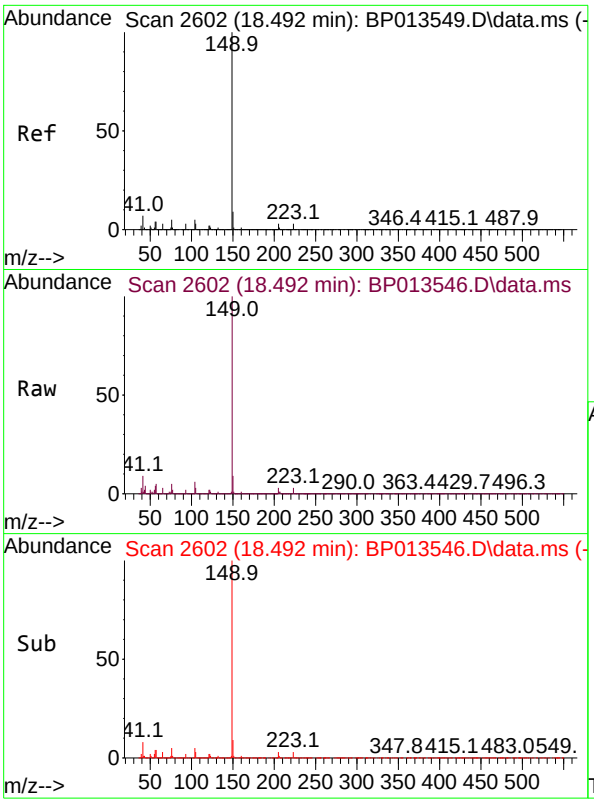


#73
Carbazole
Concen: 5.015 ng
RT: 17.951 min Scan# 2510
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:167 Resp: 402418

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.2	25.8
139	13.1	10.3	15.5

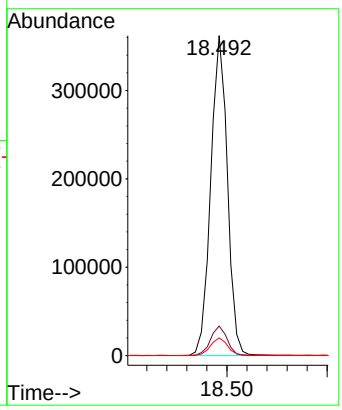




#74
Di-n-butylphthalate
Concen: 4.668 ng
RT: 18.492 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:149 Resp: 41688

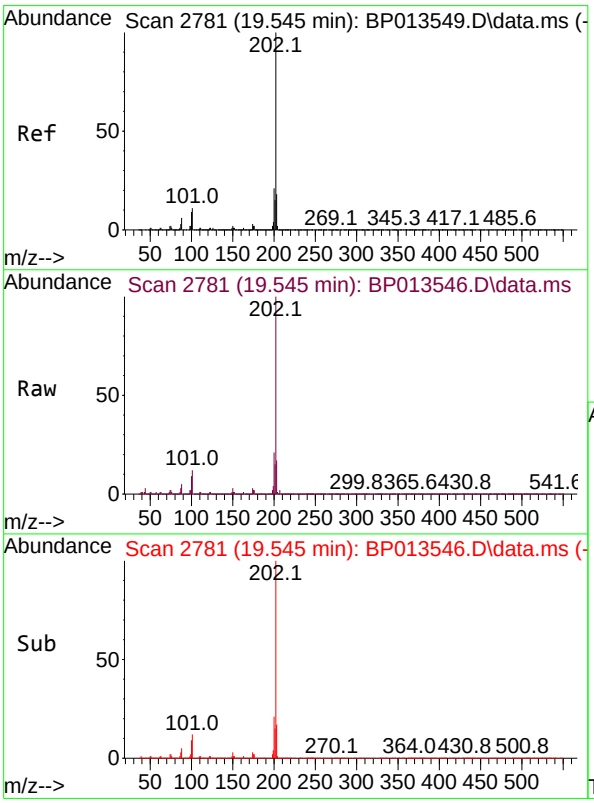
Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.5	3.9	5.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

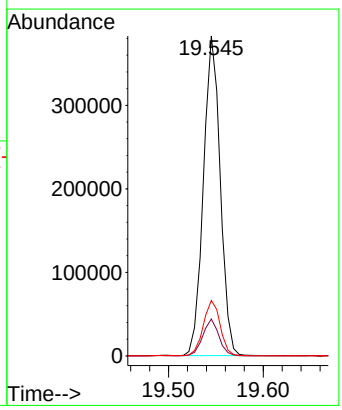
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

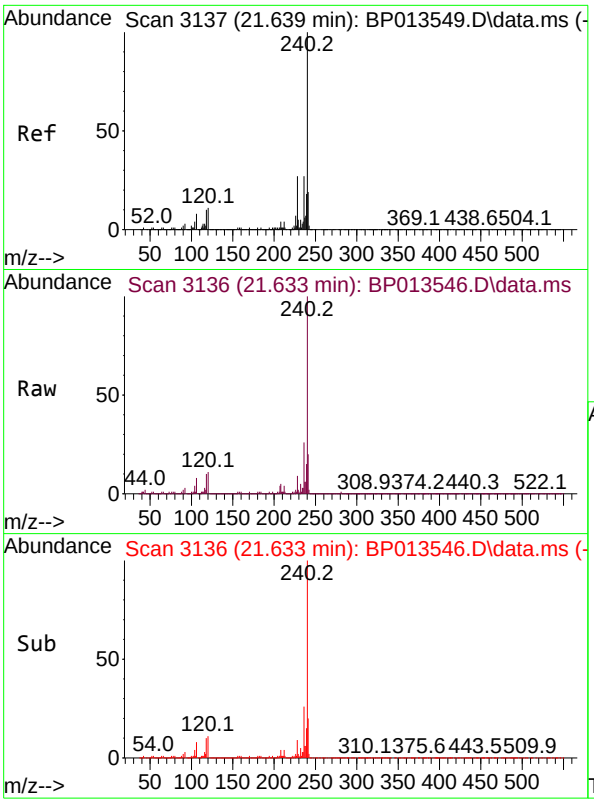


#75
Fluoranthene
Concen: 5.070 ng
RT: 19.545 min Scan# 2781
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:202 Resp: 474307

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.4
203	17.3	0.0	37.9

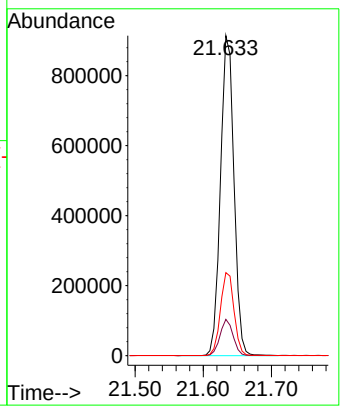




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:240 Resp: 124599

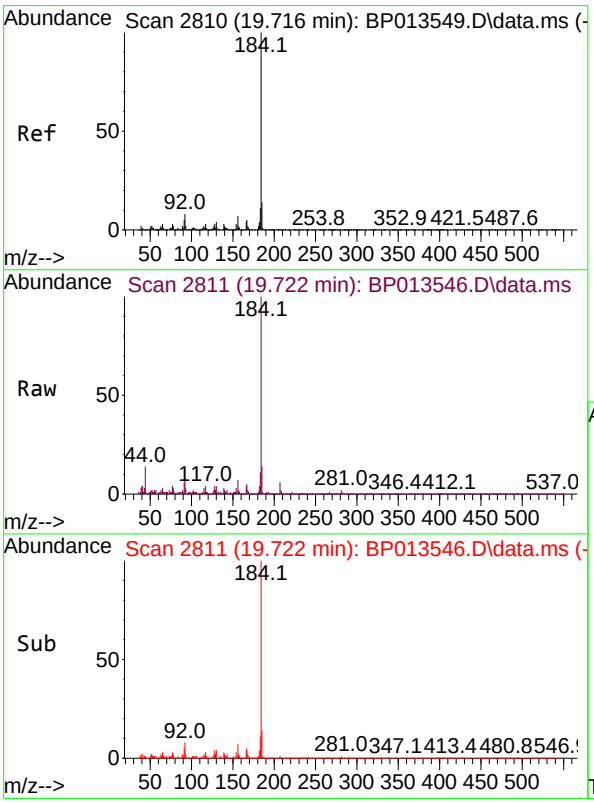
Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.6	13.0
236	26.0	21.3	31.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

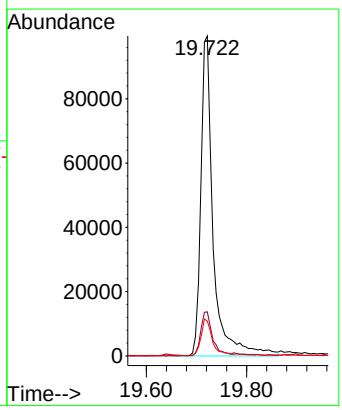
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

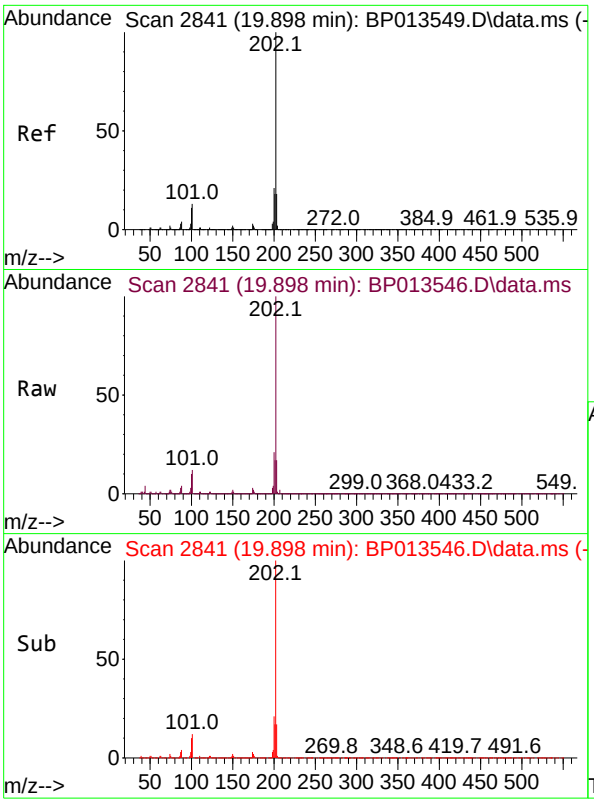


#77
Benzidine
Concen: 5.427 ng
RT: 19.722 min Scan# 2811
Delta R.T. 0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:184 Resp: 170058

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.5	17.3
183	10.9	9.0	13.6





#78
Pyrene
Concen: 5.224 ng
RT: 19.898 min Scan# 28
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

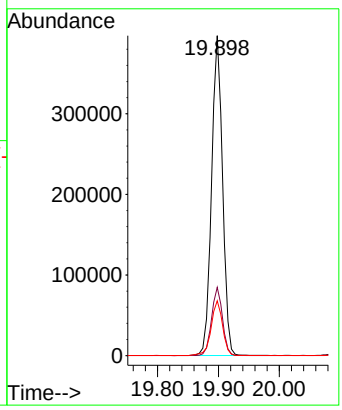
Tgt Ion:202 Resp: 49771

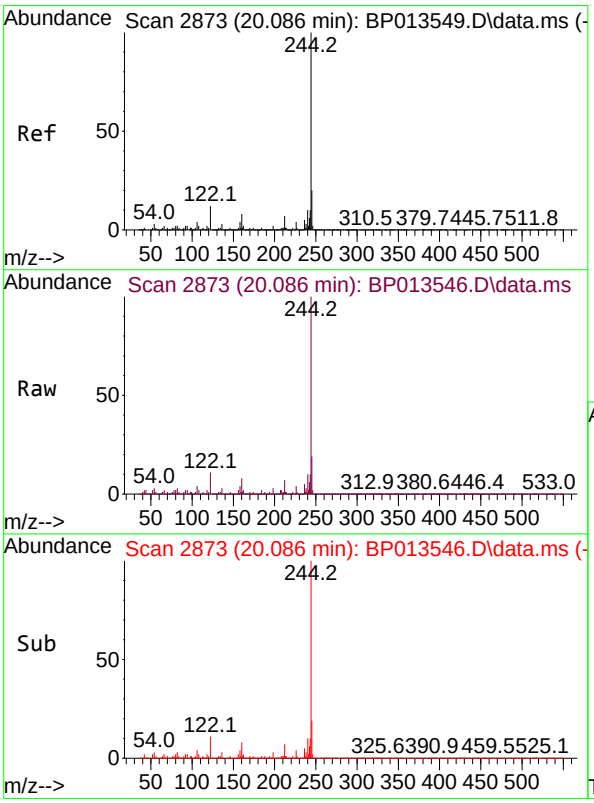
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.1	14.2	21.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

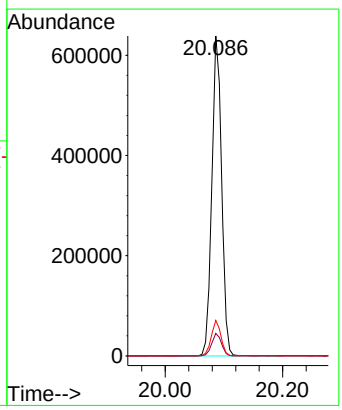


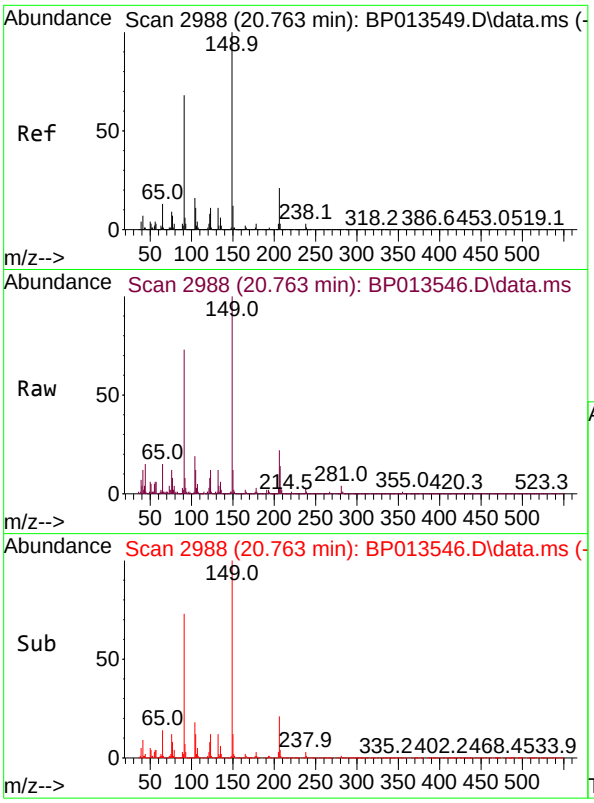


#79
Terphenyl-d14
Concen: 10.639 ng
RT: 20.086 min Scan# 2873
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:244 Resp: 736879

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.1	9.2	13.8

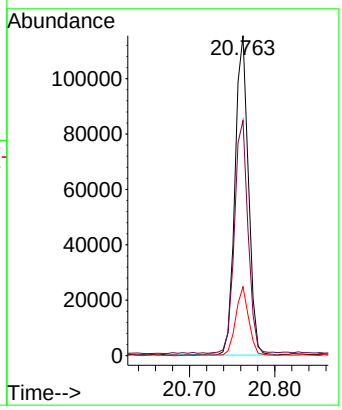




#80
Butylbenzylphthalate
Concen: 4.006 ng
RT: 20.763 min Scan# 29
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:149 Resp: 12593

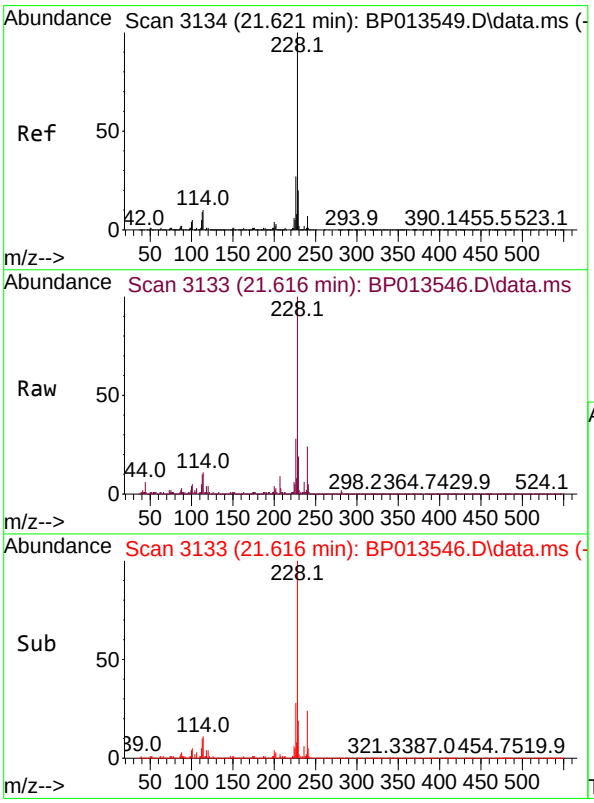
Ion	Ratio	Lower	Upper
149	100		
91	73.5	54.6	81.8
206	21.5	16.7	25.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

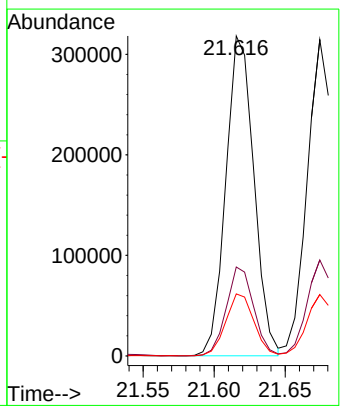
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

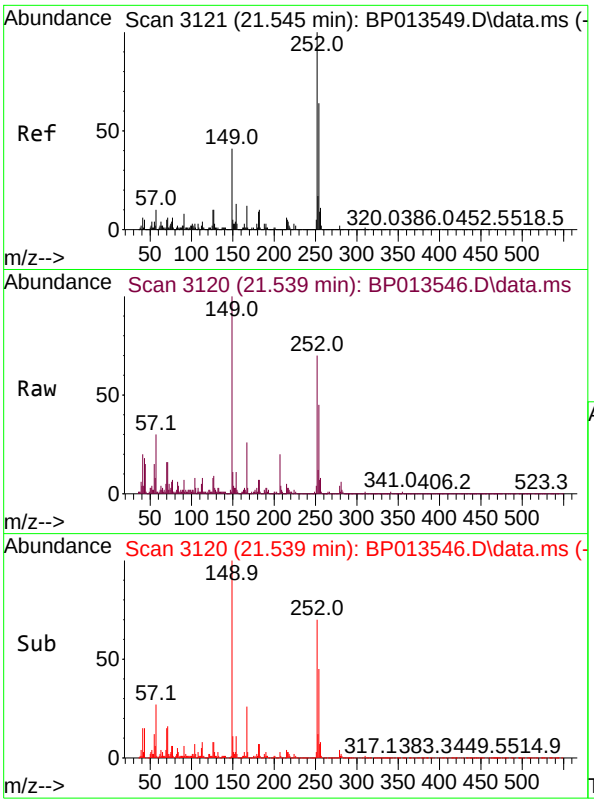


#81
Benzo(a)anthracene
Concen: 5.035 ng
RT: 21.616 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:228 Resp: 437085

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	19.4	15.8	23.6

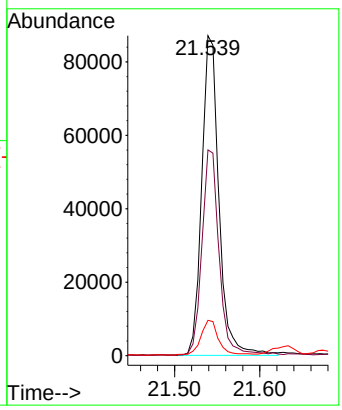




#82
3,3'-Dichlorobenzidine
Concen: 4.370 ng
RT: 21.539 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:252 Resp: 12221

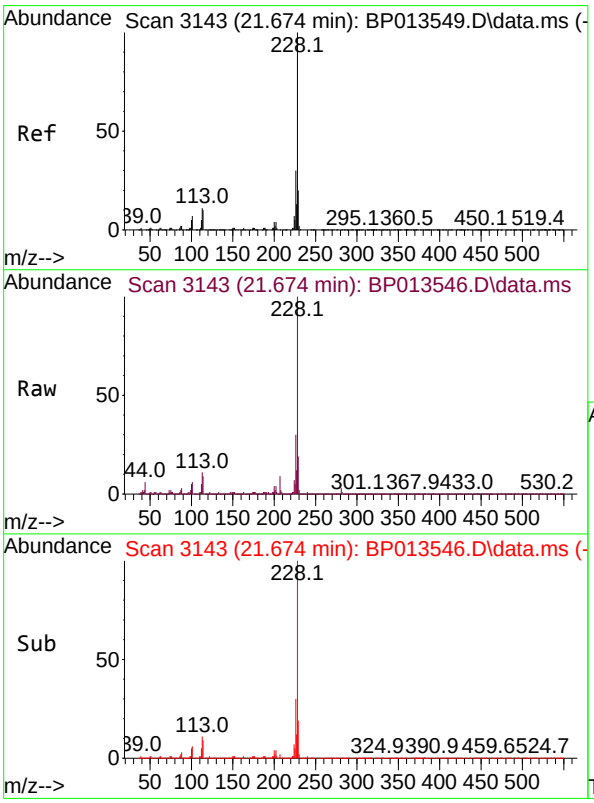
Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.4	77.0
126	11.0	8.3	12.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

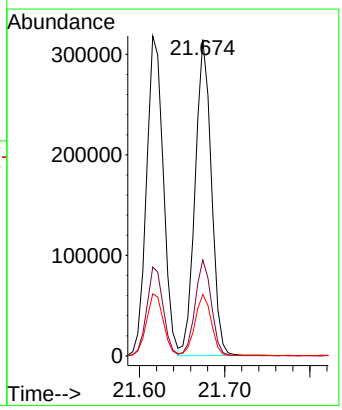
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

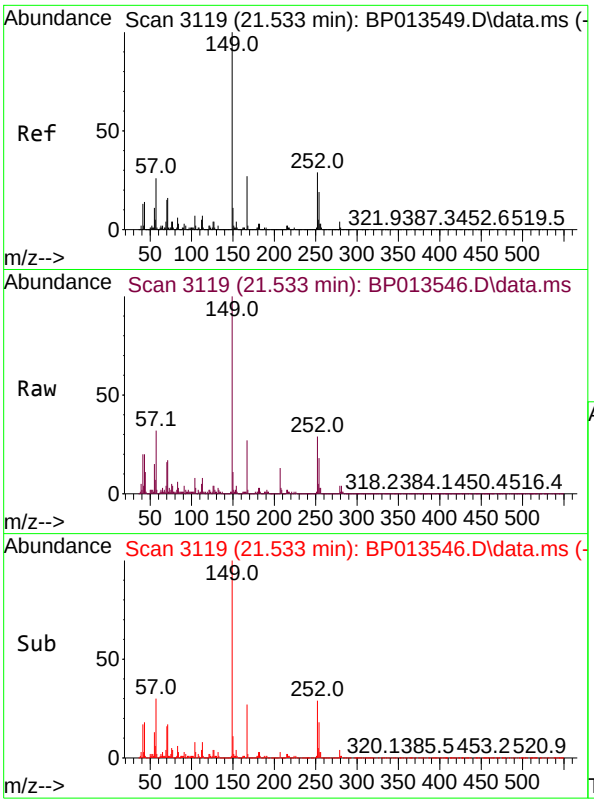


#83
Chrysene
Concen: 5.015 ng
RT: 21.674 min Scan# 3143
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:228 Resp: 416374

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	19.4	16.2	24.2





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.434 ng
RT: 21.533 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

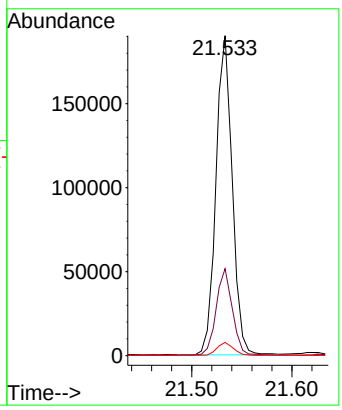
Tgt Ion:149 Resp: 21527

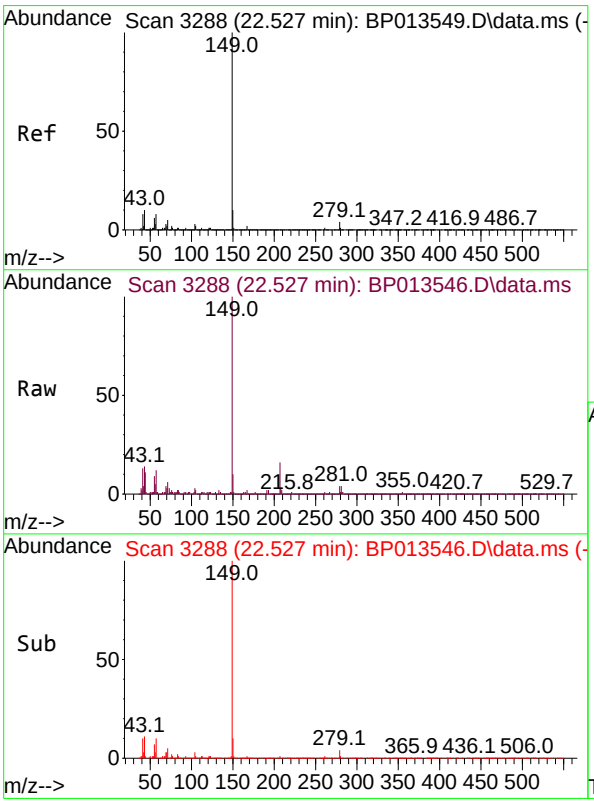
Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.0	33.0
279	4.2	3.5	5.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

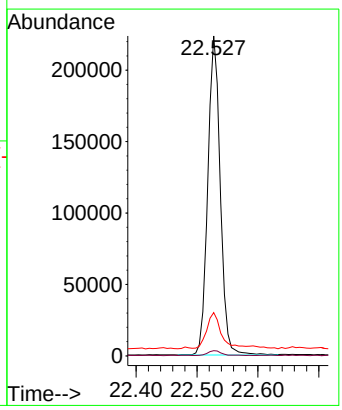


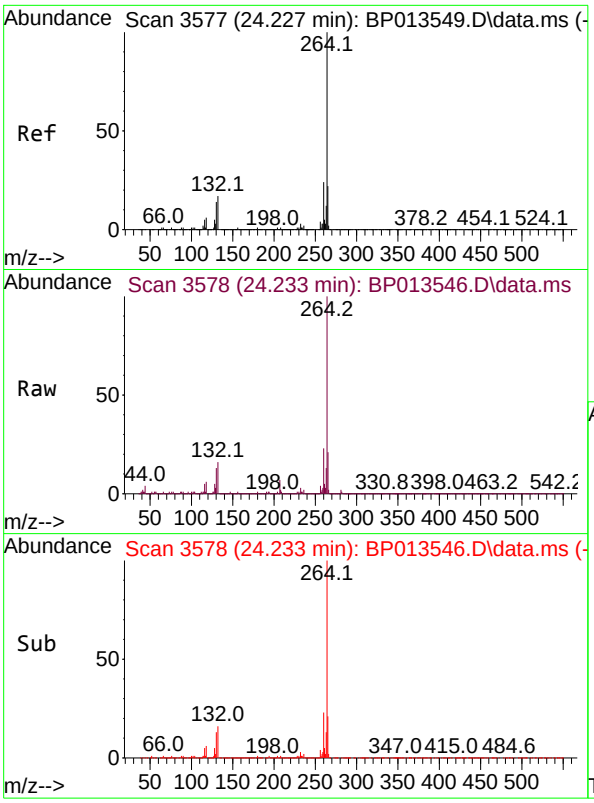


#85
Di-n-octyl phthalate
Concen: 4.066 ng
RT: 22.527 min Scan# 3288
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:149 Resp: 318212

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	12.7	8.2	12.4#

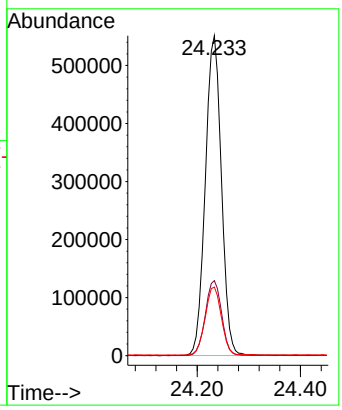




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.233 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:264 Resp: 118920

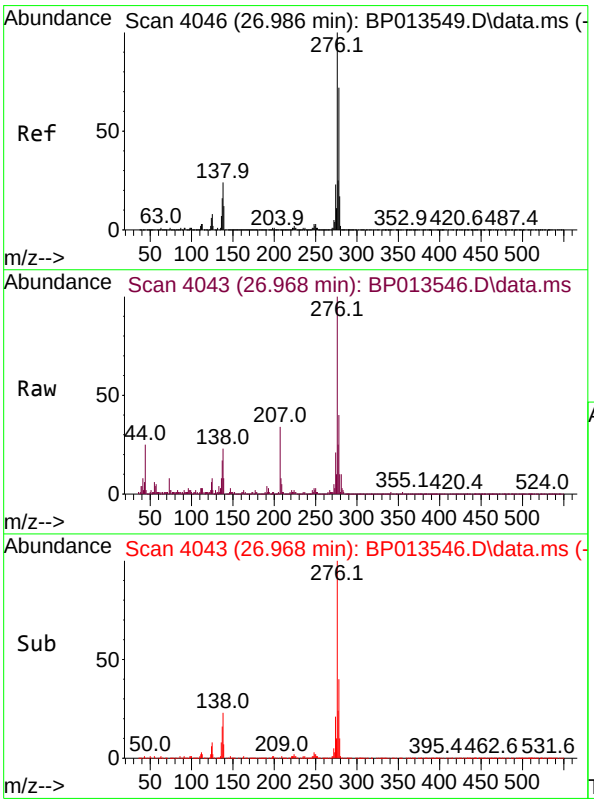
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.4	17.4	26.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

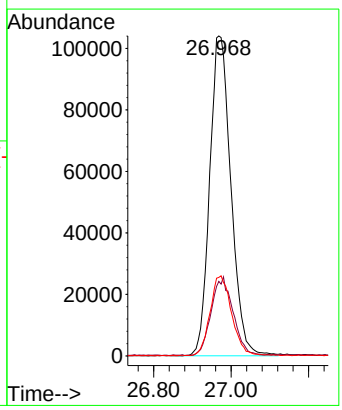
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

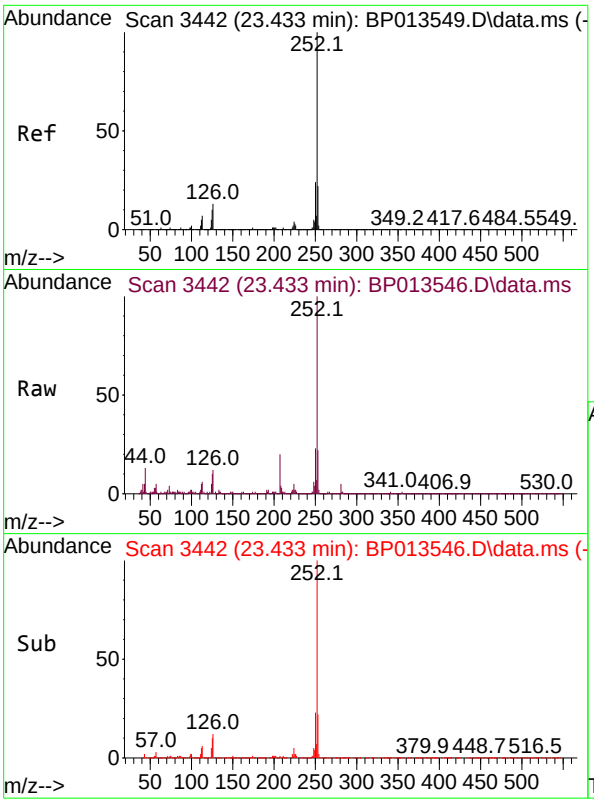


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.522 ng
RT: 26.968 min Scan# 4043
Delta R.T. -0.018 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:276 Resp: 396104

Ion	Ratio	Lower	Upper
276	100		
138	25.1	19.8	29.6
277	25.4	20.2	30.4

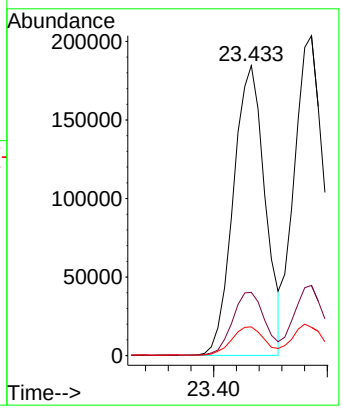




#88
Benzo(b)fluoranthene
Concen: 4.888 ng
RT: 23.433 min Scan# 34
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:252 Resp: 35756

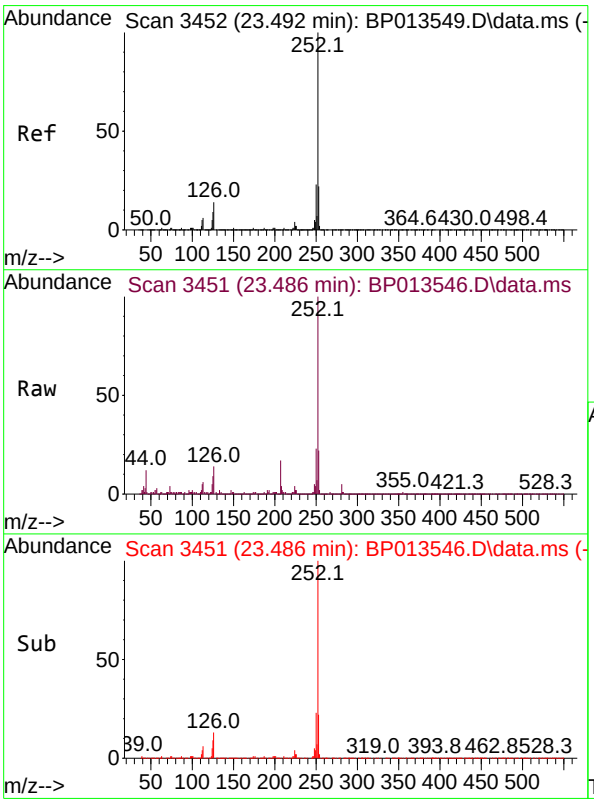
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	9.9	8.0	12.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

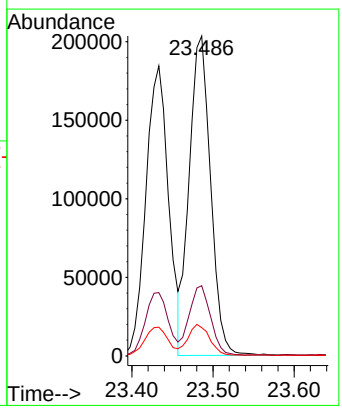
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

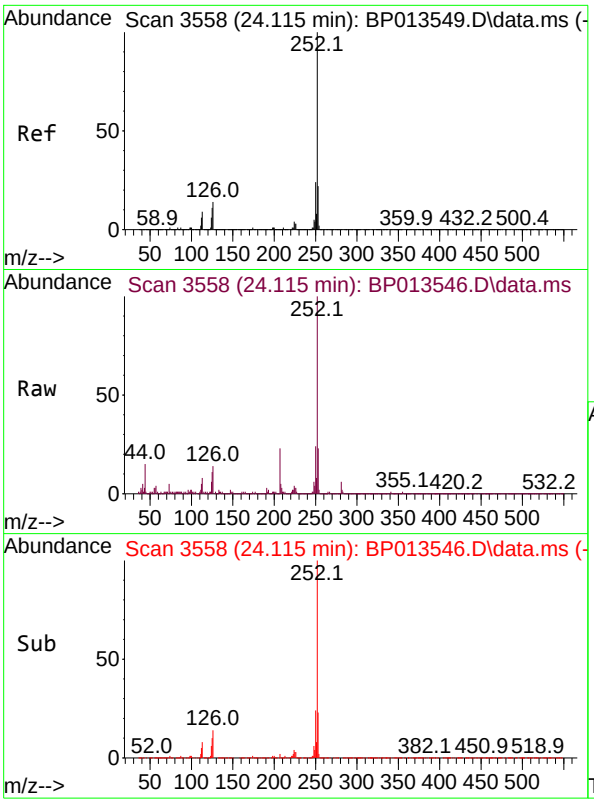


#89
Benzo(k)fluoranthene
Concen: 4.979 ng
RT: 23.486 min Scan# 3451
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:252 Resp: 371518

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	8.8	7.5	11.3

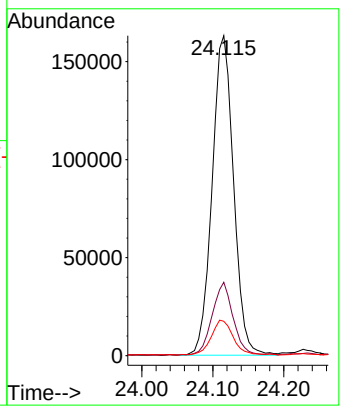




#90
Benzo(a)pyrene
Concen: 4.833 ng
RT: 24.115 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:252 Resp: 34301

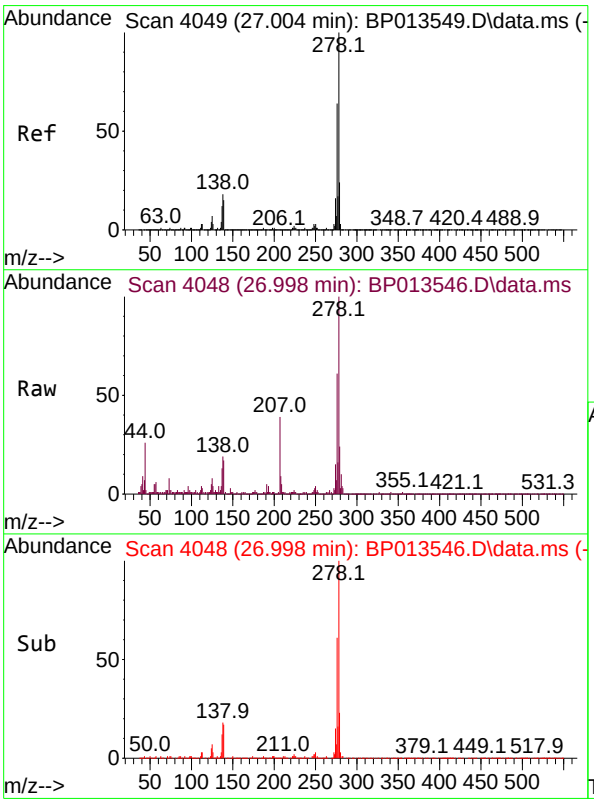
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	10.7	8.9	13.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

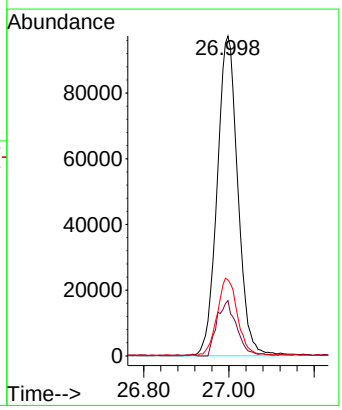
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

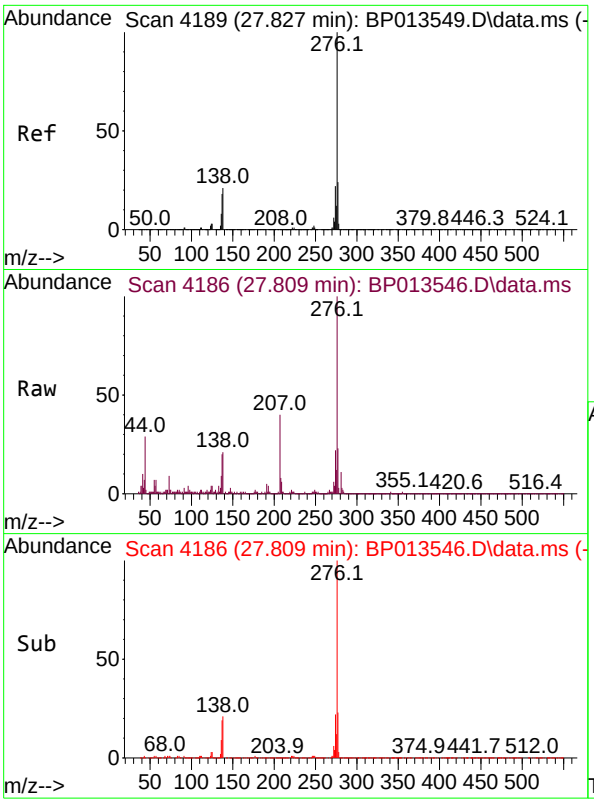


#91
Dibenzo(a,h)anthracene
Concen: 4.454 ng
RT: 26.998 min Scan# 4048
Delta R.T. -0.006 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:278 Resp: 327215

Ion	Ratio	Lower	Upper
278	100		
139	17.3	12.3	18.5
279	23.7	19.0	28.6

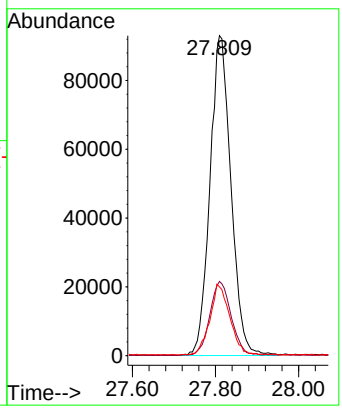




#92
Benzo(g,h,i)perylene
Concen: 3.724 ng
RT: 27.809 min Scan# 41
Delta R.T. -0.018 min
Lab File: BP013546.D
Acq: 23 Jan 2023 12:00

Tgt Ion:276 Resp: 32622

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.6
138	21.5	16.6	25.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013547.D
Acq On : 23 Jan 2023 12:34
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

Quant Time: Jan 24 03:03:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.163	152	298822	20.000	ng		0.00
21) Naphthalene-d8	10.999	136	1247030	20.000	ng		0.00
39) Acenaphthene-d10	14.804	164	733503	20.000	ng		0.00
64) Phenanthrene-d10	17.557	188	1433151	20.000	ng		0.00
76) Chrysene-d12	21.633	240	1056785	20.000	ng		0.00
86) Perylene-d12	24.233	264	1104363	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.687	112	338366	19.401	ng		0.00
7) Phenol-d6	7.299	99	452892	19.294	ng		0.00
23) Nitrobenzene-d5	9.334	82	317907	16.830	ng		0.00
42) 2,4,6-Tribromophenol	16.286	330	125860	16.458	ng		0.00
45) 2-Fluorobiphenyl	13.428	172	1062261	19.879	ng		0.00
79) Terphenyl-d14	20.086	244	1188105	20.225	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.534	88	72336	10.288	ng		99
3) Pyridine	3.940	79	204973	9.850	ng		98
4) n-Nitrosodimethylamine	3.852	42	95476	10.117	ng	#	93
6) Aniline	7.475	93	311786	9.888	ng		100
8) 2-Chlorophenol	7.722	128	186351	9.683	ng		100
9) Benzaldehyde	7.287	77	158529	12.460	ng		96
10) Phenol	7.328	94	237242	9.755	ng		97
11) bis(2-Chloroethyl)ether	7.575	93	198264	9.970	ng		99
12) 1,3-Dichlorobenzene	8.052	146	212352	9.978	ng		98
13) 1,4-Dichlorobenzene	8.199	146	218466	10.124	ng		98
14) 1,2-Dichlorobenzene	8.522	146	211459	10.120	ng		99
15) Benzyl Alcohol	8.399	79	159546	9.513	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.693	45	278442	10.212	ng		99
17) 2-Methylphenol	8.599	107	172111	9.745	ng		99
18) Hexachloroethane	9.263	117	69931	9.695	ng		97
19) n-Nitroso-di-n-propyla...	8.969	70	156954	10.381	ng		96
20) 3+4-Methylphenols	8.928	107	223676	9.622	ng		96
22) Acetophenone	8.993	105	312818	9.778	ng	#	98
24) Nitrobenzene	9.375	77	177682	8.748	ng		97
25) Isophorone	9.904	82	436475	9.742	ng		100
26) 2-Nitrophenol	10.093	139	39693	6.268	ng		99
27) 2,4-Dimethylphenol	10.146	122	182345	9.232	ng		99
28) bis(2-Chloroethoxy)met...	10.393	93	259280	9.603	ng		98
29) 2,4-Dichlorophenol	10.628	162	161812	9.095	ng		100
30) 1,2,4-Trichlorobenzene	10.851	180	194140	9.562	ng		99
31) Naphthalene	11.046	128	650711	9.706	ng		100
32) Benzoic acid	10.204	122	48058	5.567	ng		95
33) 4-Chloroaniline	11.146	127	284553	9.592	ng		98
34) Hexachlorobutadiene	11.334	225	113982	9.647	ng		99
35) Caprolactam	11.893	113	50372	8.765	ng		97
36) 4-Chloro-3-methylphenol	12.251	107	175182	9.042	ng		99
37) 2-Methylnaphthalene	12.640	142	464090	9.739	ng		99
38) 1-Methylnaphthalene	12.857	142	437204	9.764	ng		100
40) 1,2,4,5-Tetrachloroben...	13.004	216	216644	9.593	ng		99
41) Hexachlorocyclopentadiene	12.987	237	80077	7.533	ng		95
43) 2,4,6-Trichlorophenol	13.234	196	113601	8.595	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013547.D
Acq On : 23 Jan 2023 12:34
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 24 03:03:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.304	196	135447	8.673	ng		99
46)	1,1'-Biphenyl	13.640	154	574308	9.749	ng		99
47)	2-Chloronaphthalene	13.681	162	429374	9.729	ng		99
48)	2-Nitroaniline	13.875	65	55566	6.293	ng		99
49)	Acenaphthylene	14.528	152	697120	9.659	ng		100
50)	Dimethylphthalate	14.245	163	524089	9.612	ng		99
51)	2,6-Dinitrotoluene	14.363	165	60503	6.872	ng	#	84
52)	Acenaphthene	14.863	154	427245	9.583	ng		98
53)	3-Nitroaniline	14.692	138	71299	7.064	ng	#	86
54)	2,4-Dinitrophenol	14.892	184	13822	5.152	ng	#	63
55)	Dibenzofuran	15.198	168	671763	9.826	ng		99
56)	4-Nitrophenol	14.981	139	53210	6.462	ng		87
57)	2,4-Dinitrotoluene	15.151	165	64262	6.071	ng		96
58)	Fluorene	15.851	166	529954	9.753	ng		100
59)	2,3,4,6-Tetrachlorophenol	15.416	232	104236m	8.692	ng		
60)	Diethylphthalate	15.610	149	507345	9.527	ng		100
61)	4-Chlorophenyl-phenyle...	15.839	204	258614	9.679	ng		99
62)	4-Nitroaniline	15.851	138	72632	7.053	ng	#	84
63)	Azobenzene	16.134	77	509151	9.839	ng		99
65)	4,6-Dinitro-2-methylph...	15.910	198	19099	4.611	ng		92
66)	n-Nitrosodiphenylamine	16.051	169	452272	9.677	ng		99
67)	4-Bromophenyl-phenylether	16.739	248	150227	9.463	ng		99
68)	Hexachlorobenzene	16.851	284	162523	9.478	ng		96
69)	Atrazine	16.998	200	122657	9.172	ng		98
70)	Pentachlorophenol	17.198	266	71173	7.127	ng		97
71)	Phenanthrene	17.598	178	770165	9.659	ng		99
72)	Anthracene	17.686	178	777509	9.607	ng		99
73)	Carbazole	17.951	167	689355	9.478	ng		100
74)	Di-n-butylphthalate	18.492	149	713660	8.816	ng		99
75)	Fluoranthene	19.545	202	780916	9.209	ng		100
77)	Benzidine	19.716	184	276295	10.395	ng		100
78)	Pyrene	19.898	202	810530	10.031	ng		99
80)	Butylbenzylphthalate	20.763	149	215067	8.066	ng		98
81)	Benzo(a)anthracene	21.622	228	705747	9.586	ng		100
82)	3,3'-Dichlorobenzidine	21.539	252	206292	8.697	ng		98
83)	Chrysene	21.674	228	683609	9.708	ng		100
84)	Bis(2-ethylhexyl)phtha...	21.533	149	357723	8.688	ng		100
85)	Di-n-octyl phthalate	22.527	149	550012	8.285	ng		97
87)	Indeno(1,2,3-cd)pyrene	26.974	276	770586	9.473	ng		100
88)	Benzo(b)fluoranthene	23.433	252	634029	9.333	ng		99
89)	Benzo(k)fluoranthene	23.486	252	661387	9.545	ng		100
90)	Benzo(a)pyrene	24.115	252	617546	9.370	ng		99
91)	Dibenzo(a,h)anthracene	26.992	278	646475	9.475	ng		99
92)	Benzo(g,h,i)perylene	27.815	276	641478	7.886	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

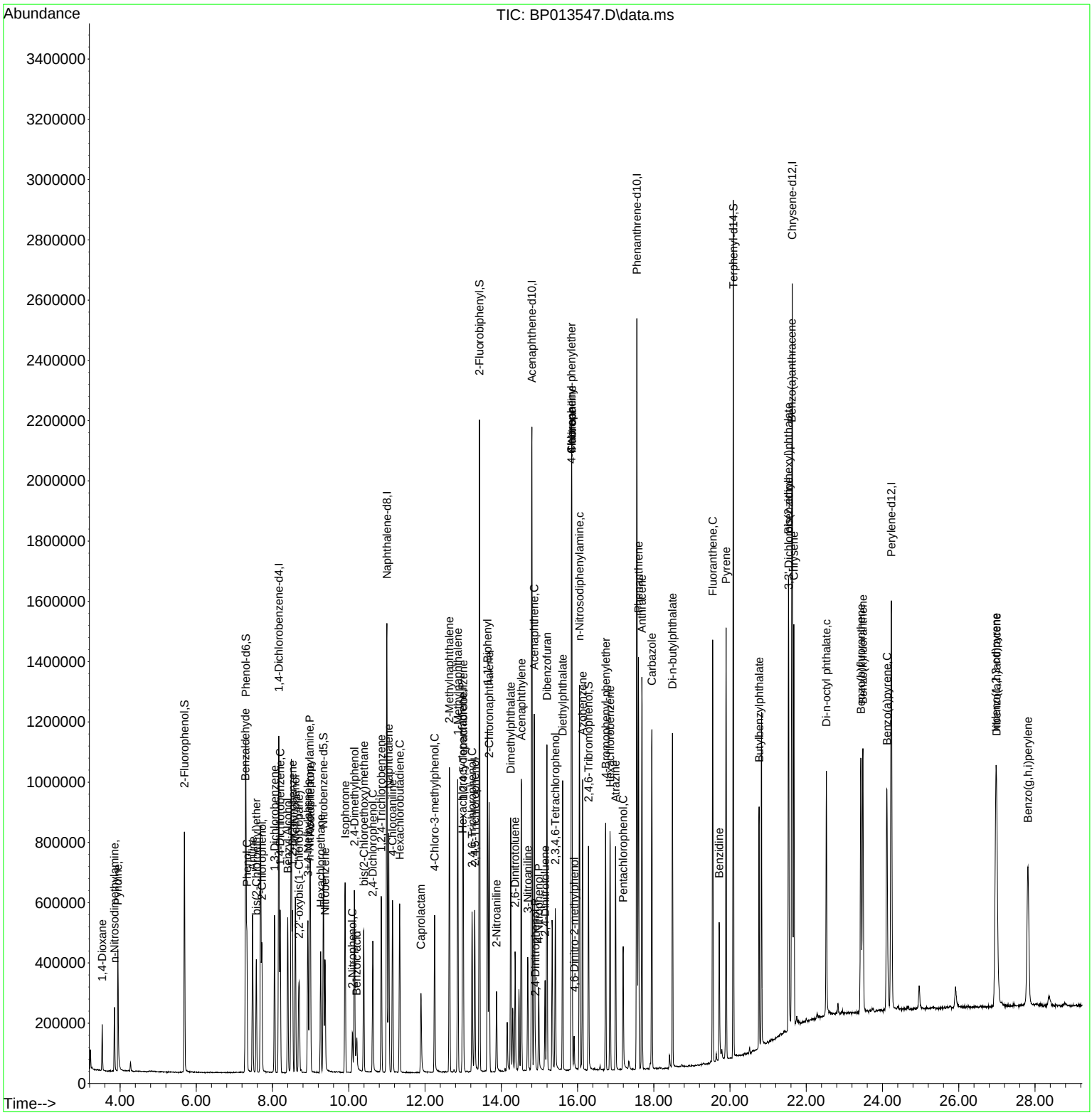
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013547.D
Acq On : 23 Jan 2023 12:34
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

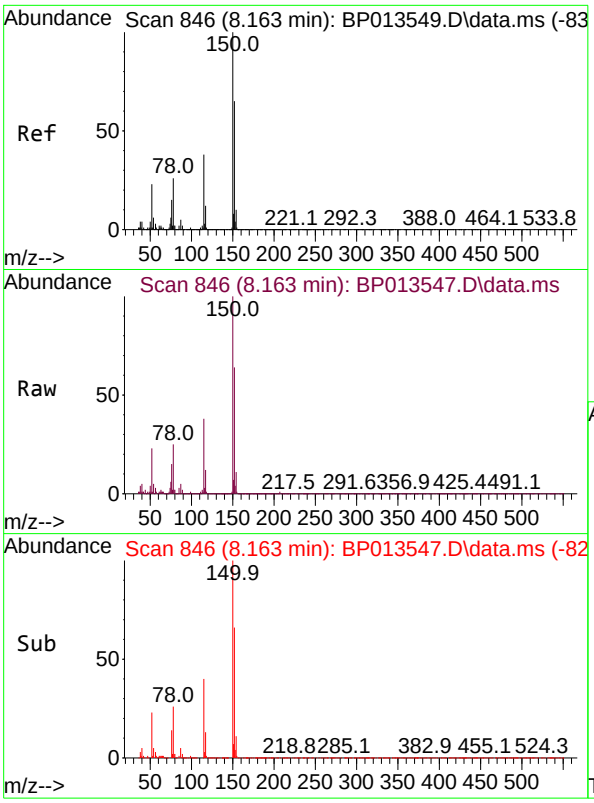
Quant Time: Jan 24 03:03:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

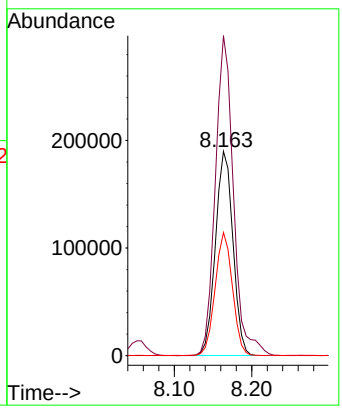




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.163 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:152 Resp: 29882

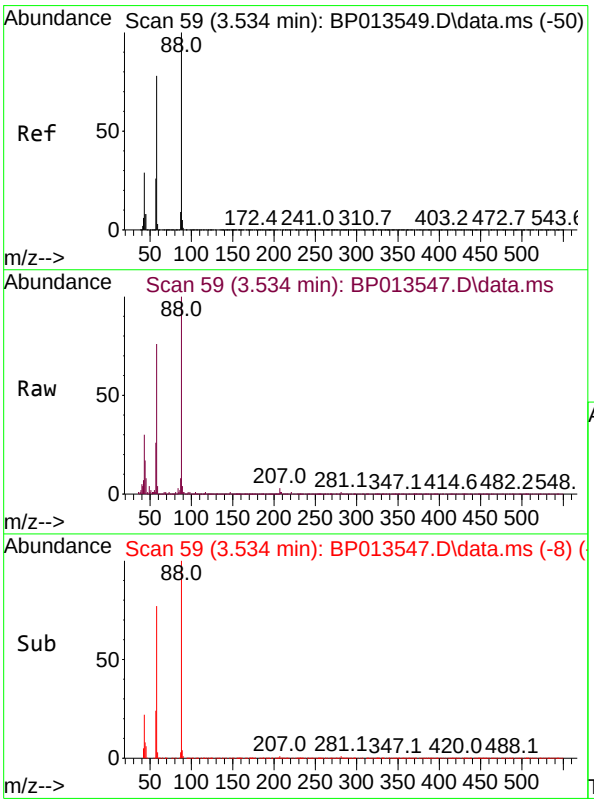
Ion	Ratio	Lower	Upper
152	100		
150	156.7	122.4	183.6
115	60.3	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

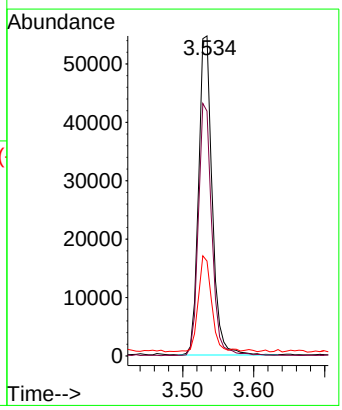
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

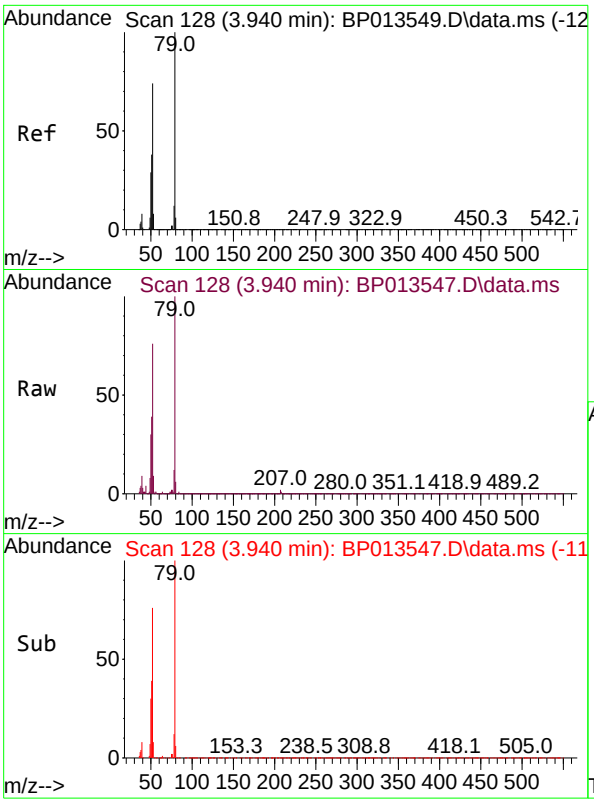


#2
1,4-Dioxane
Concen: 10.288 ng
RT: 3.534 min Scan# 59
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 88 Resp: 72336

Ion	Ratio	Lower	Upper
88	100		
58	78.3	63.6	95.4
43	29.4	24.2	36.2

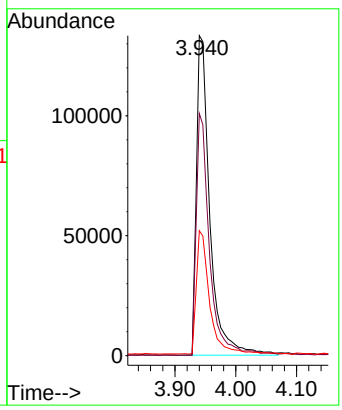




#3
Pyridine
Concen: 9.850 ng
RT: 3.940 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 79 Resp: 20497

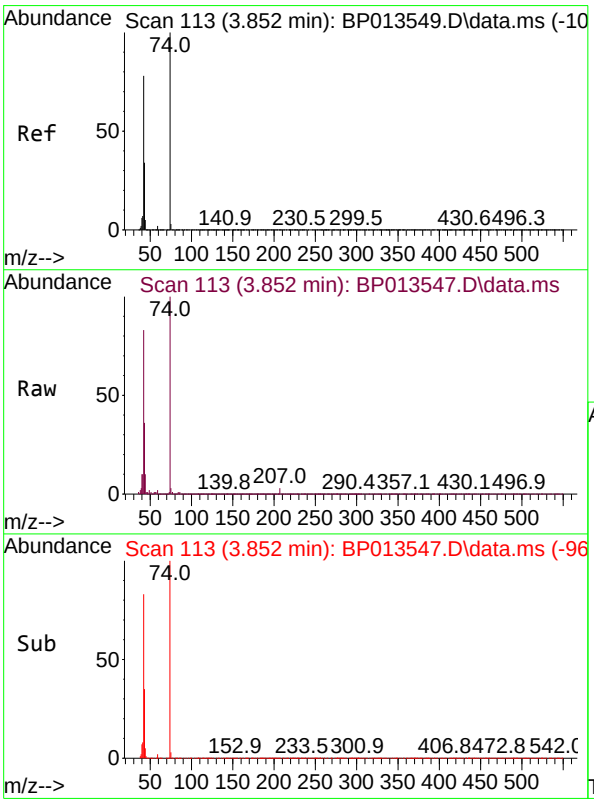
Ion	Ratio	Lower	Upper
79	100		
52	75.7	59.4	89.2
51	39.0	30.6	45.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

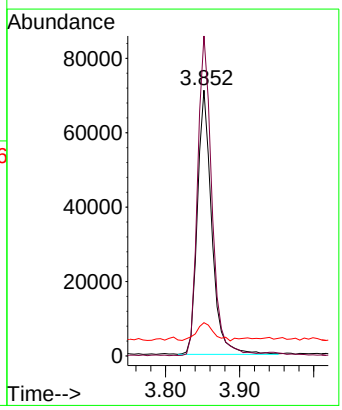
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

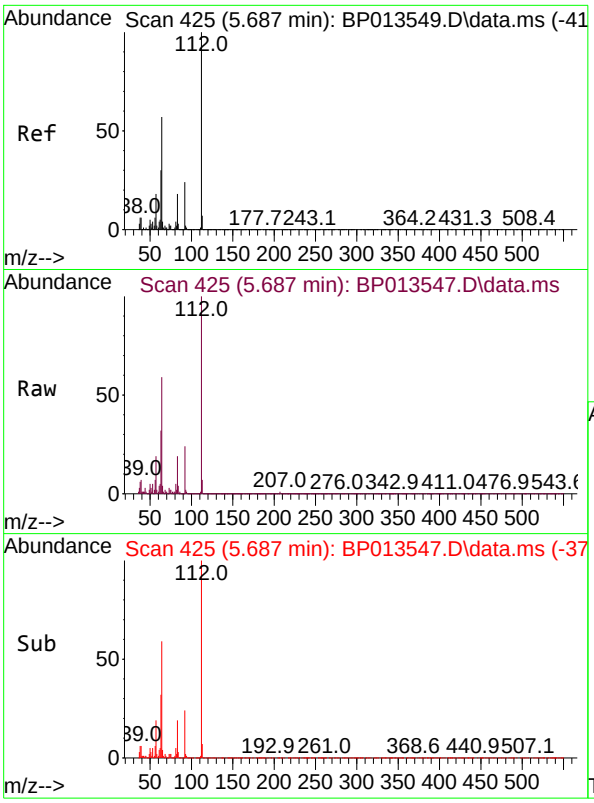


#4
n-Nitrosodimethylamine
Concen: 10.117 ng
RT: 3.852 min Scan# 113
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 42 Resp: 95476

Ion	Ratio	Lower	Upper
42	100		
74	120.4	102.3	153.5
44	12.5	6.2	9.2#

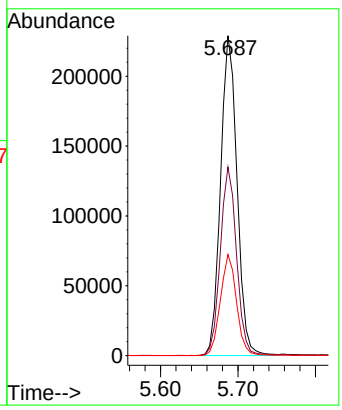




#5
2-Fluorophenol
Concen: 19.401 ng
RT: 5.687 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:112 Resp: 33836

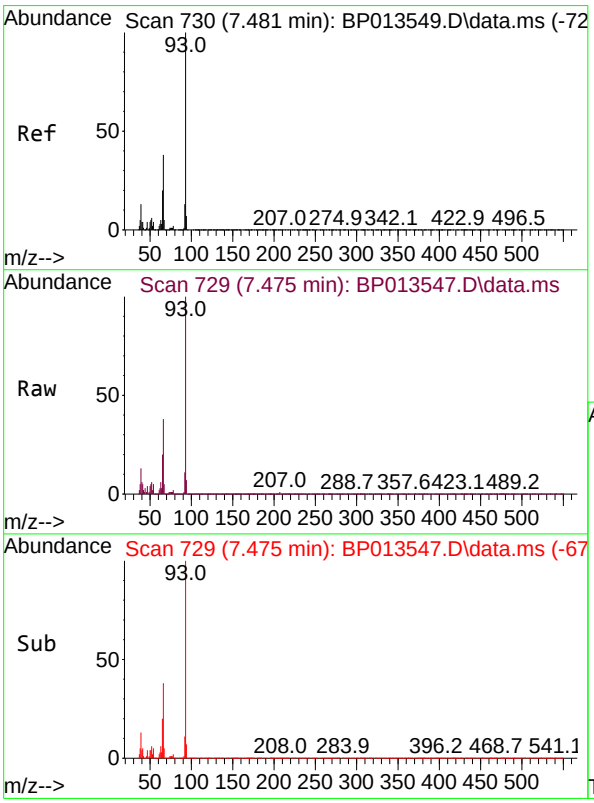
Ion	Ratio	Lower	Upper
112	100		
64	58.9	45.4	68.0
63	31.6	24.1	36.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

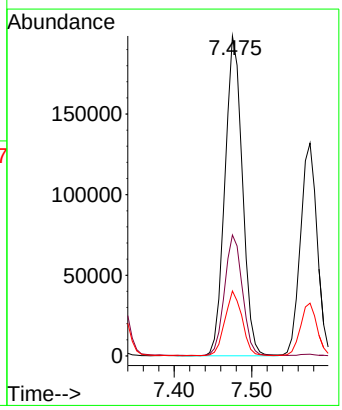
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

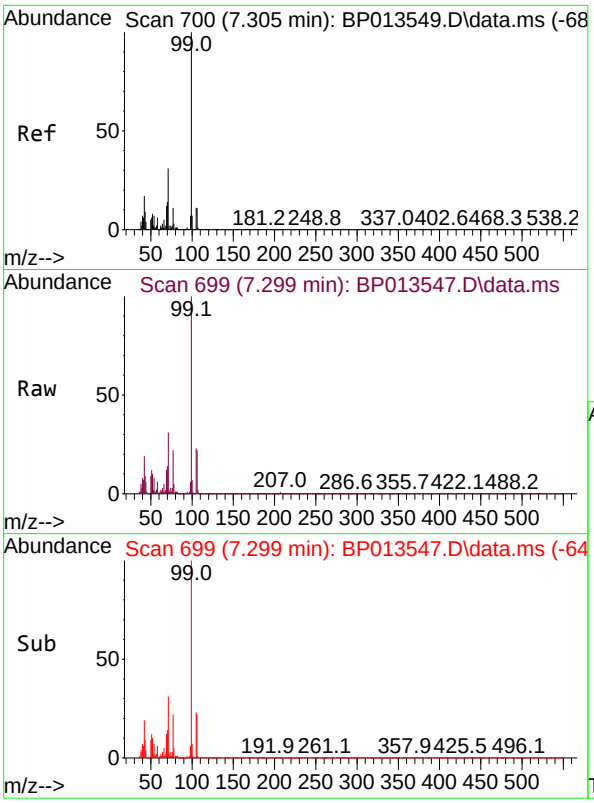


#6
Aniline
Concen: 9.888 ng
RT: 7.475 min Scan# 729
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 93 Resp: 311786

Ion	Ratio	Lower	Upper
93	100		
66	37.8	30.3	45.5
65	20.3	15.9	23.9

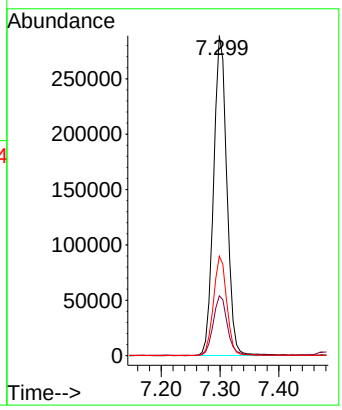




#7
Phenol-d6
Concen: 19.294 ng
RT: 7.299 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 99 Resp: 45289

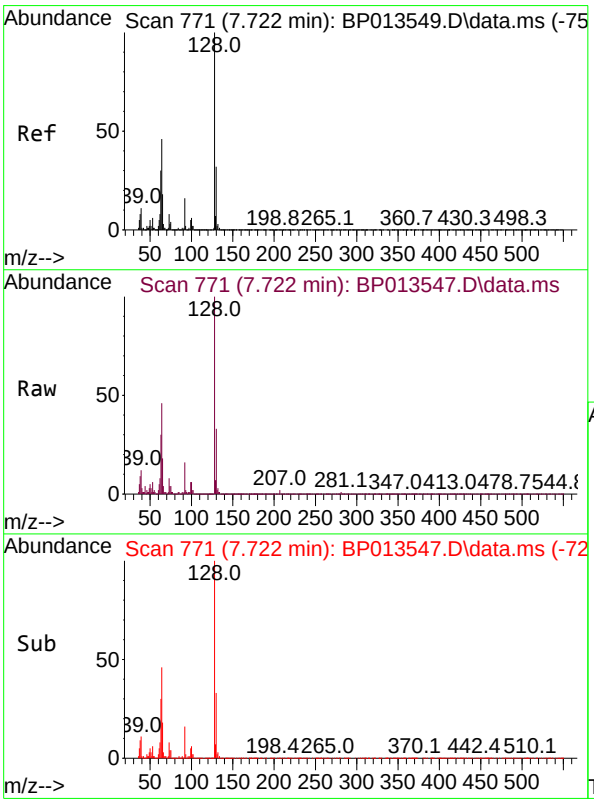
Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.0	21.0
71	31.1	24.7	37.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

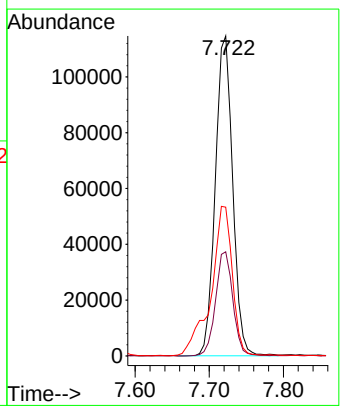
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

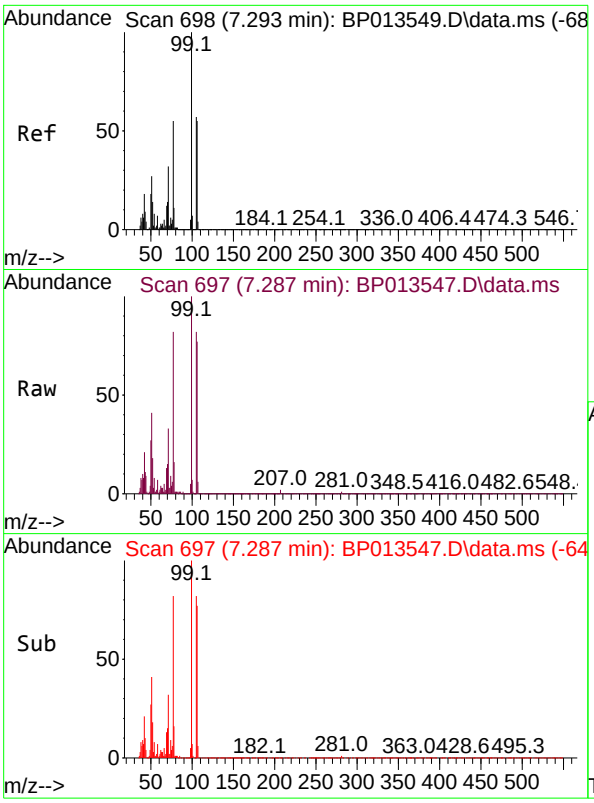


#8
2-Chlorophenol
Concen: 9.683 ng
RT: 7.722 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:128 Resp: 186351

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.4	52.4
64	46.5	26.2	66.2

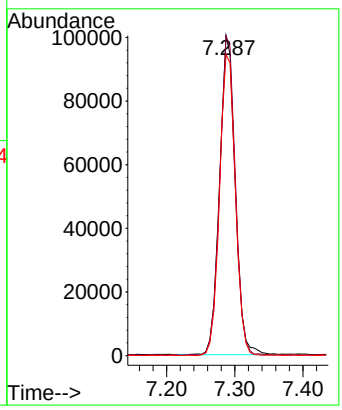




#9
Benzaldehyde
Concen: 12.460 ng
RT: 7.287 min Scan# 69
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 77 Resp: 15852

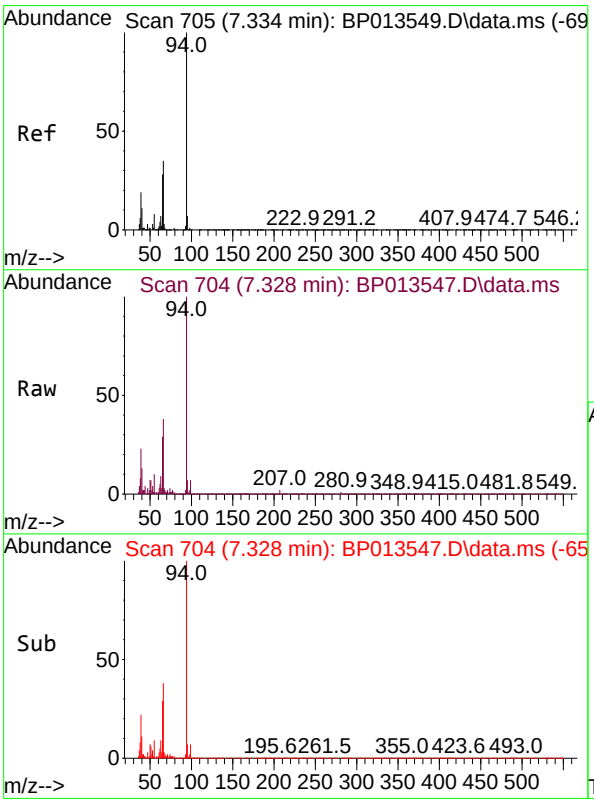
Ion	Ratio	Lower	Upper
77	100		
105	99.9	82.6	122.6
106	94.1	78.9	118.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

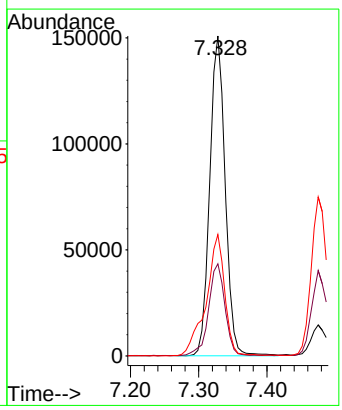
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

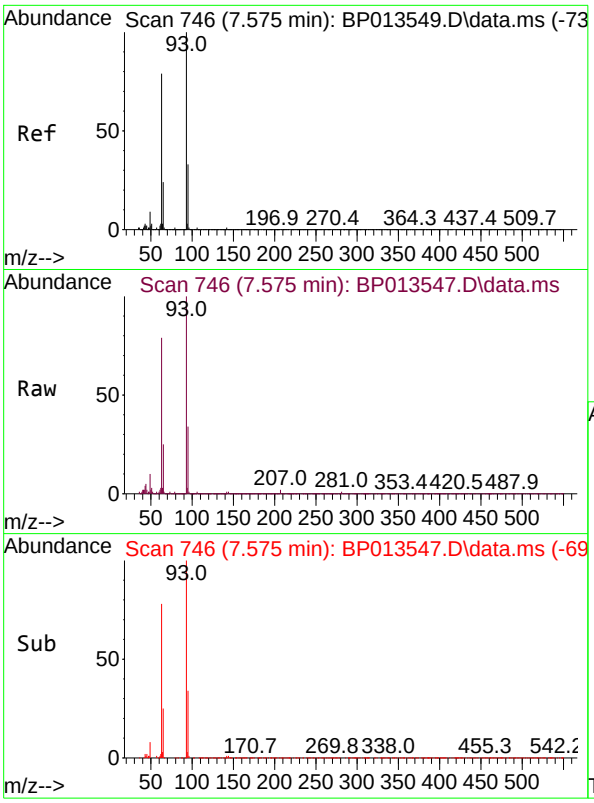


#10
Phenol
Concen: 9.755 ng
RT: 7.328 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 94 Resp: 237242

Ion	Ratio	Lower	Upper
94	100		
65	28.8	7.8	47.8
66	37.9	15.5	55.5

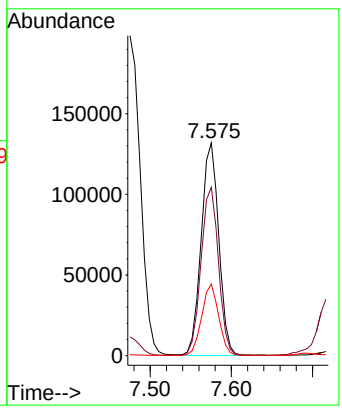




#11
bis(2-Chloroethyl)ether
Concen: 9.970 ng
RT: 7.575 min Scan# 74
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 93 Resp: 19826

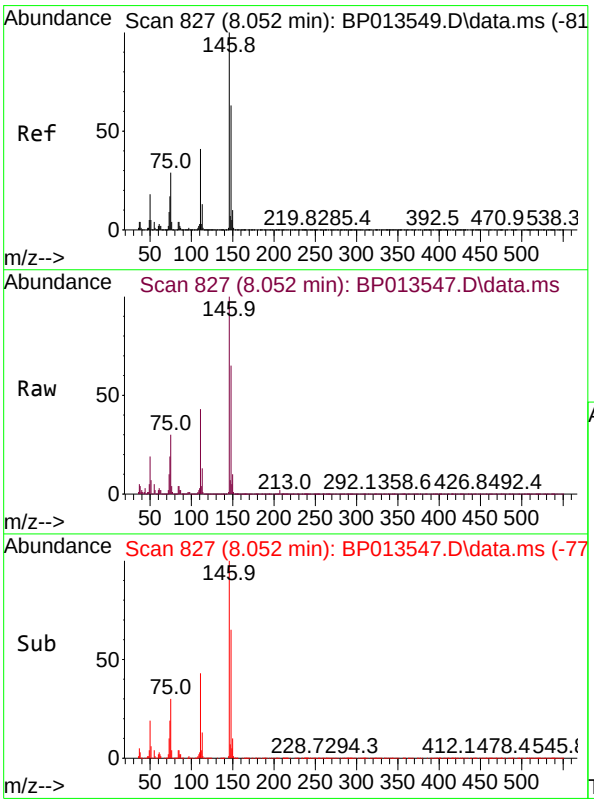
Ion	Ratio	Lower	Upper
93	100		
63	79.1	58.7	98.7
95	33.6	12.8	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

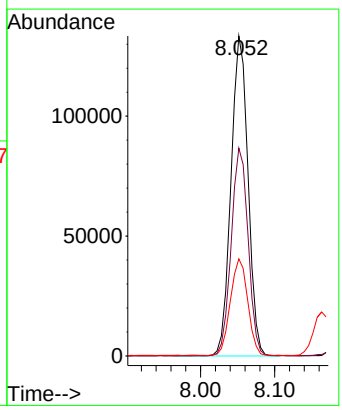
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

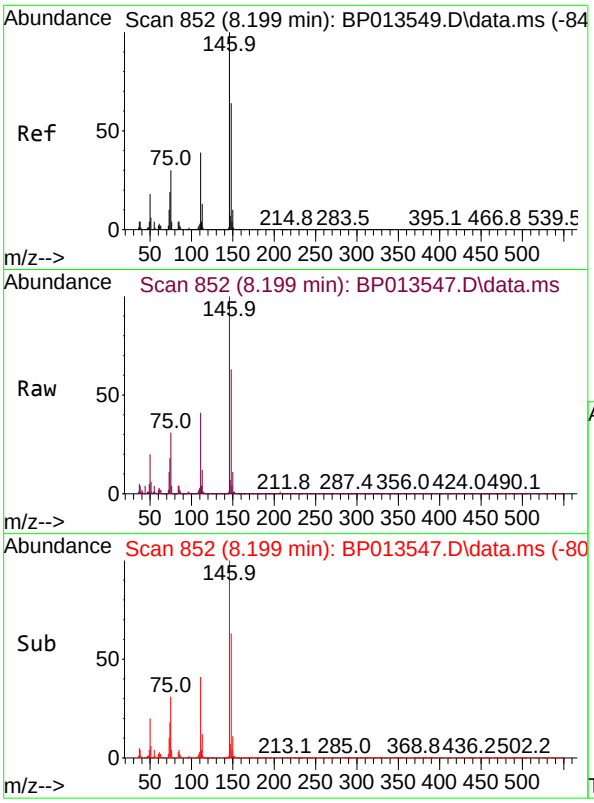


#12
1,3-Dichlorobenzene
Concen: 9.978 ng
RT: 8.052 min Scan# 827
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:146 Resp: 212352

Ion	Ratio	Lower	Upper
146	100		
148	64.9	50.7	76.1
75	30.4	23.4	35.2

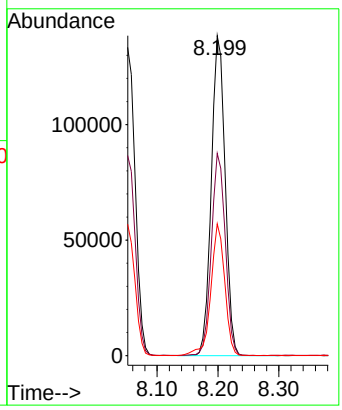




#13
1,4-Dichlorobenzene
Concen: 10.124 ng
RT: 8.199 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:146 Resp: 21846

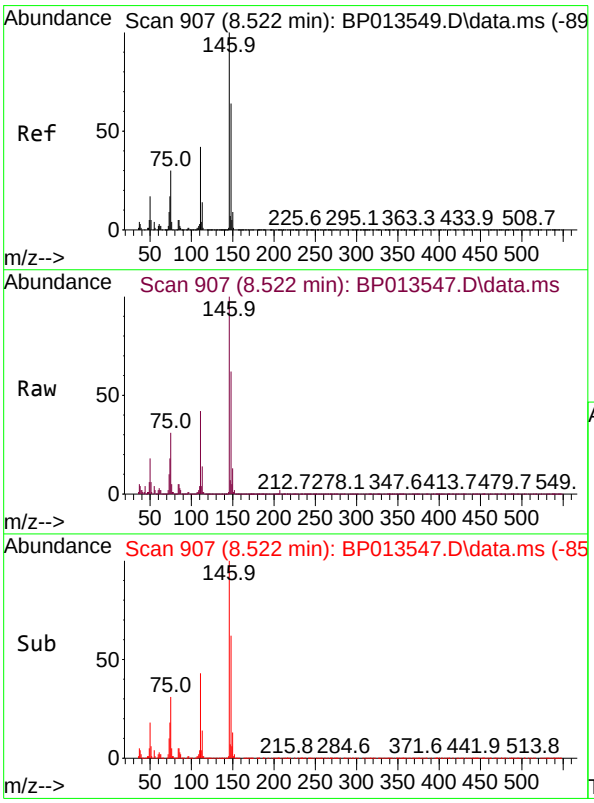
Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.4	77.0
111	41.2	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

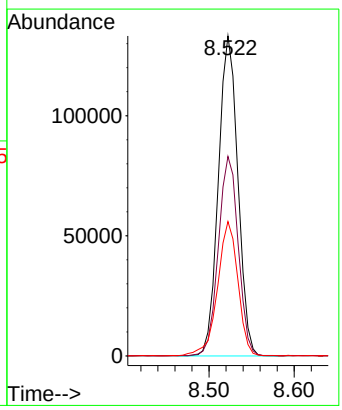
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

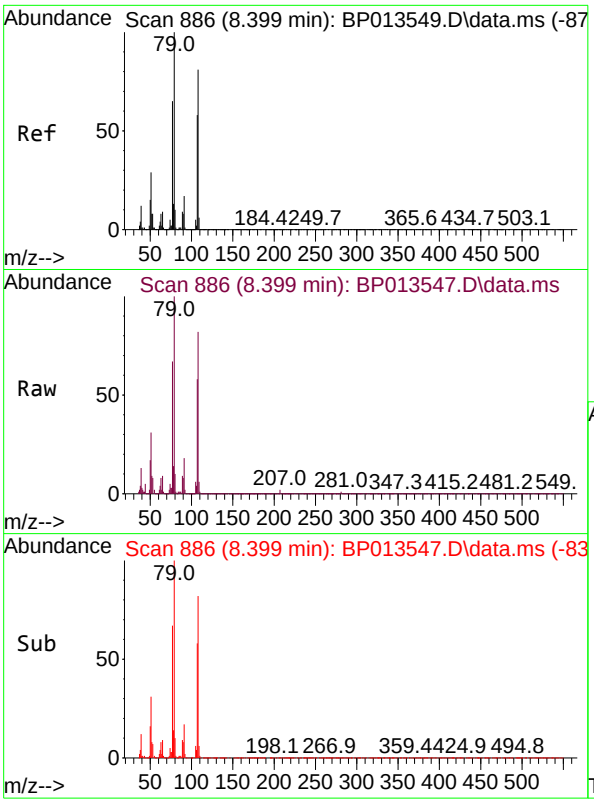


#14
1,2-Dichlorobenzene
Concen: 10.120 ng
RT: 8.522 min Scan# 907
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:146 Resp: 211459

Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.8	76.2
111	42.0	33.4	50.2





#15
Benzyl Alcohol
Concen: 9.513 ng
RT: 8.399 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

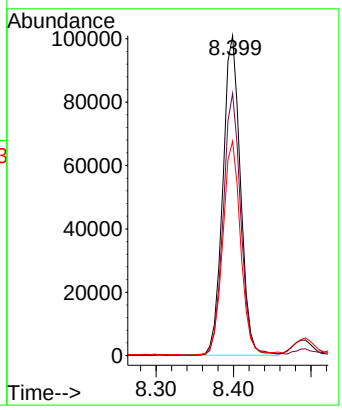
Tgt Ion: 79 Resp: 15954

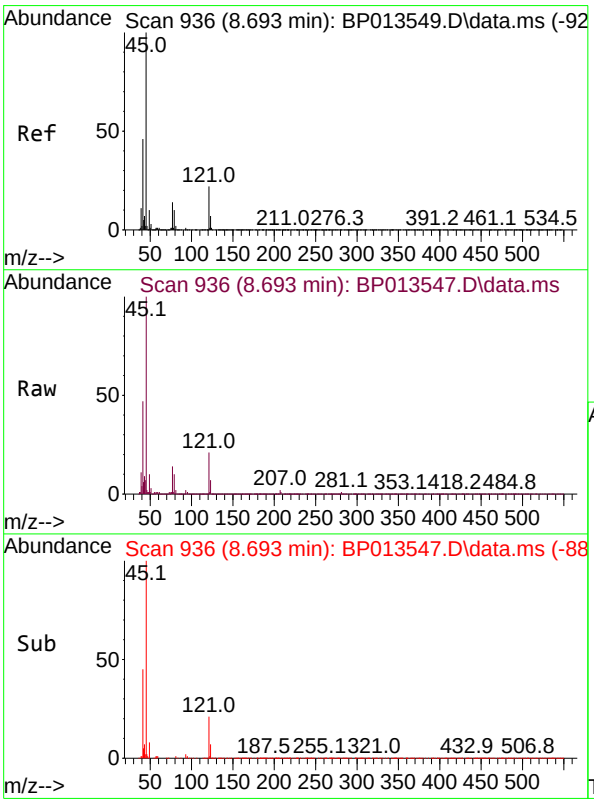
Ion	Ratio	Lower	Upper
79	100		
108	81.9	65.2	97.8
77	67.0	52.3	78.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

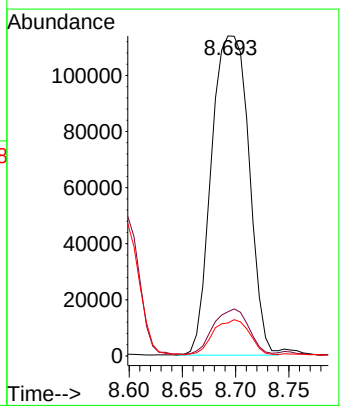


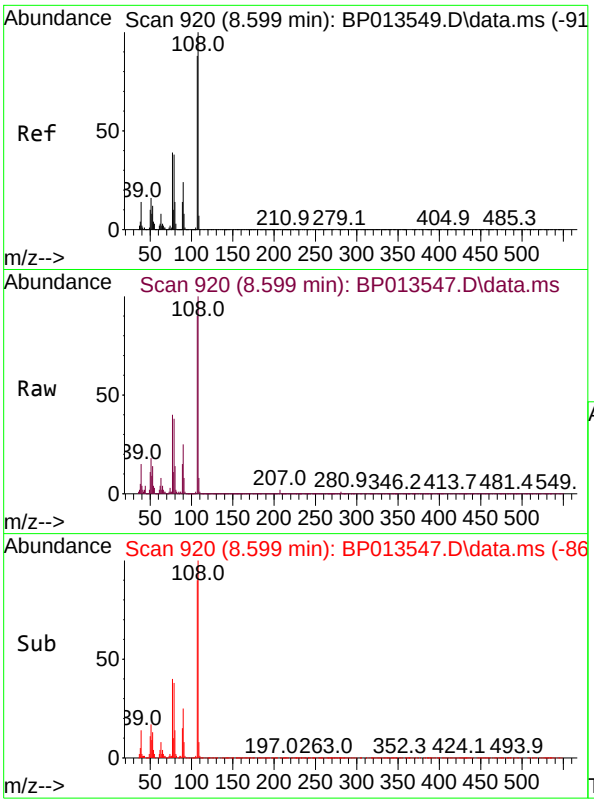


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.212 ng
RT: 8.693 min Scan# 936
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 45 Resp: 278442

Ion	Ratio	Lower	Upper
45	100		
77	13.8	0.0	34.2
79	10.3	0.0	30.4

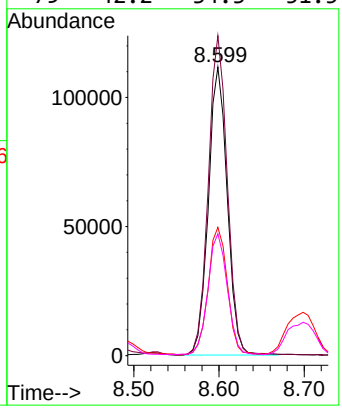




#17
2-Methylphenol
Concen: 9.745 ng
RT: 8.599 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:107 Resp: 17211

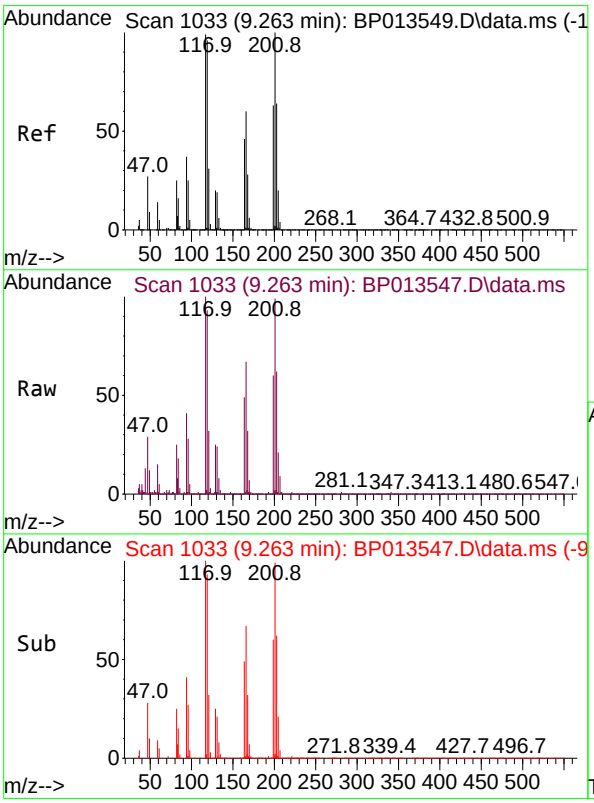
Ion	Ratio	Lower	Upper
107	100		
108	110.9	90.5	135.7
77	44.5	35.4	53.2
79	42.2	34.3	51.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

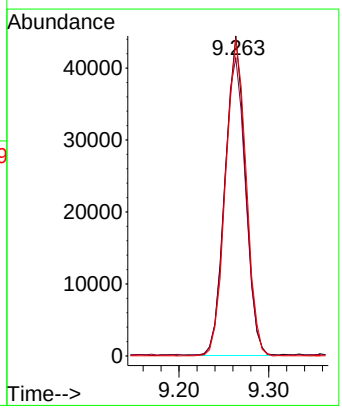
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

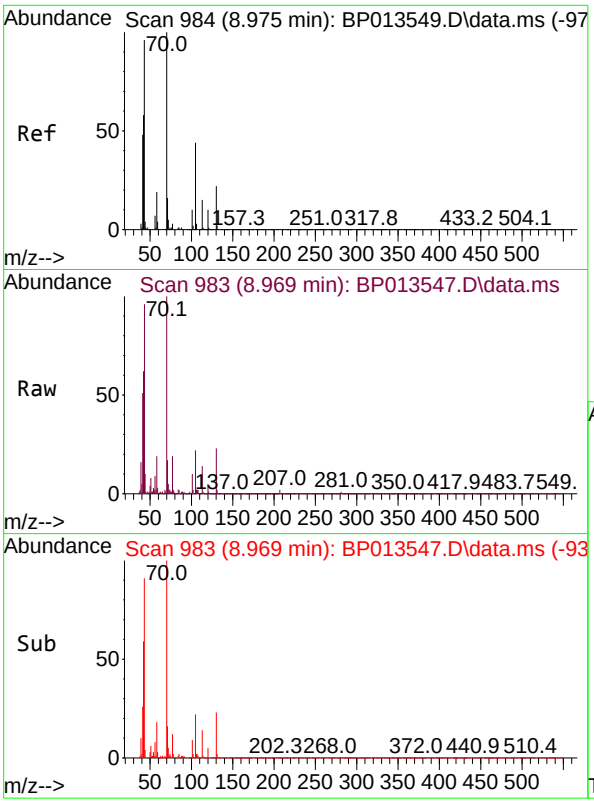


#18
Hexachloroethane
Concen: 9.695 ng
RT: 9.263 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:117 Resp: 69931

Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.0	115.6
201	98.7	80.6	120.8

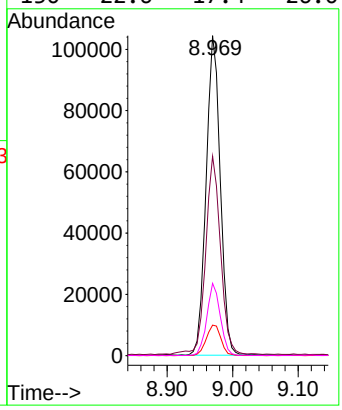




#19
n-Nitroso-di-n-propylamine
Concen: 10.381 ng
RT: 8.969 min Scan# 98
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 70 Resp: 15695

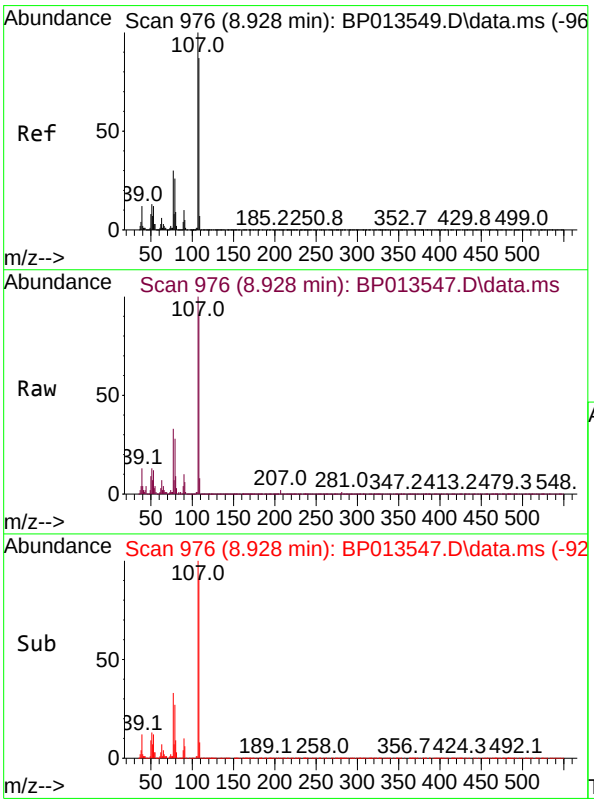
Ion	Ratio	Lower	Upper
70	100		
42	62.3	47.2	70.8
101	9.5	8.0	12.0
130	22.6	17.4	26.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

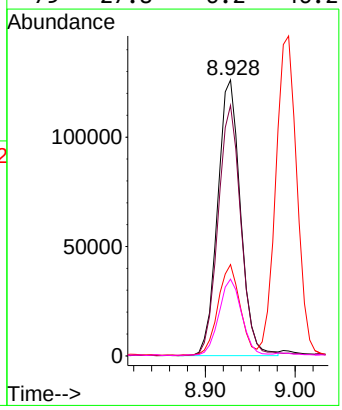
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

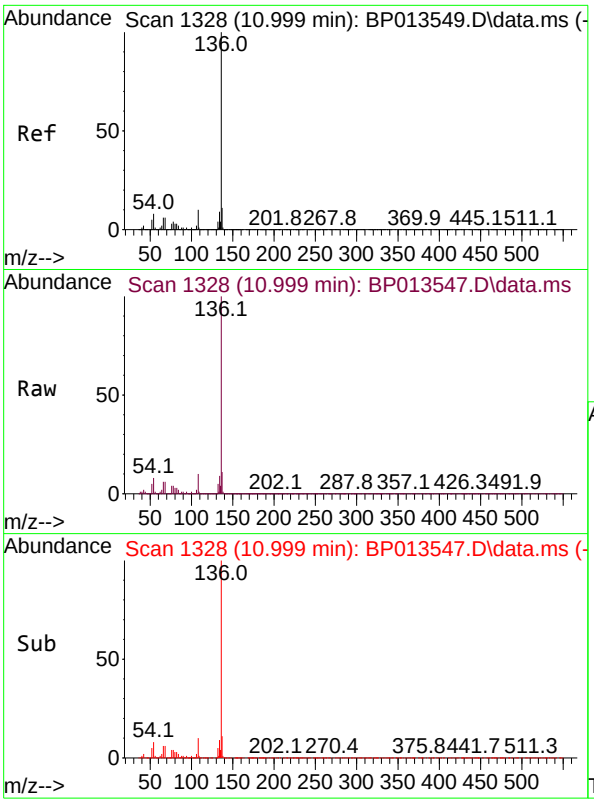


#20
3+4-Methylphenols
Concen: 9.622 ng
RT: 8.928 min Scan# 976
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:107 Resp: 223676

Ion	Ratio	Lower	Upper
107	100		
108	90.8	67.5	107.5
77	33.1	10.5	50.5
79	27.8	6.2	46.2

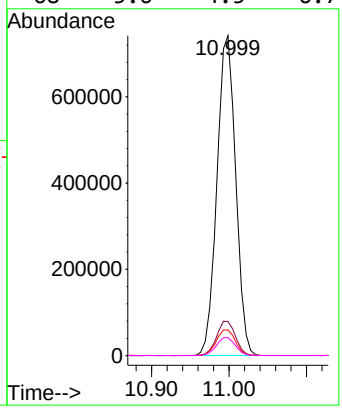




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:136 Resp: 124703

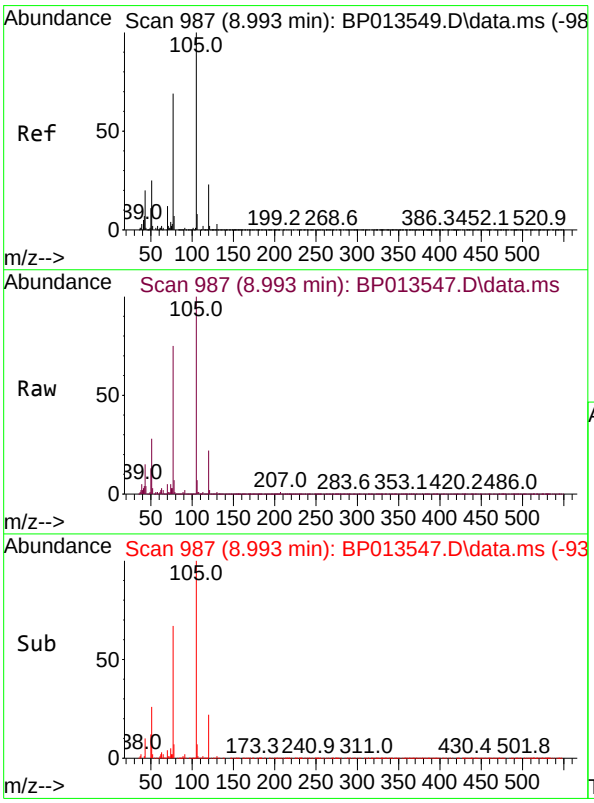
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	8.0	6.6	9.8
68	5.6	4.5	6.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

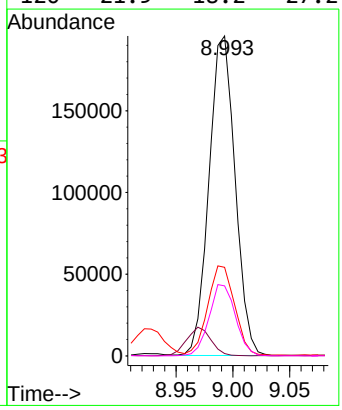
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

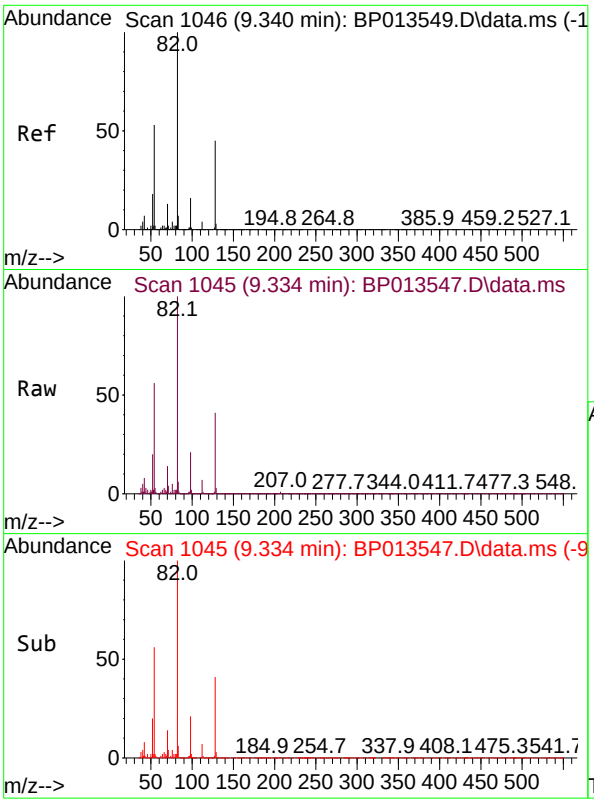


#22
Acetophenone
Concen: 9.778 ng
RT: 8.993 min Scan# 987
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:105 Resp: 312818

Ion	Ratio	Lower	Upper
105	100		
71	0.7	1.8	2.8#
51	27.7	21.1	31.7
120	21.9	18.2	27.2

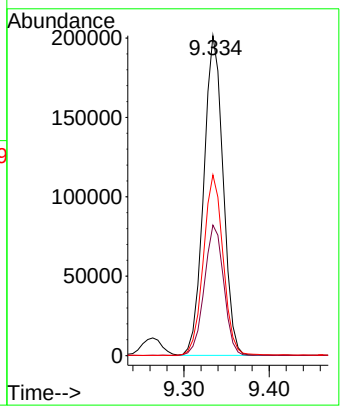




#23
Nitrobenzene-d5
Concen: 16.830 ng
RT: 9.334 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 82 Resp: 31790

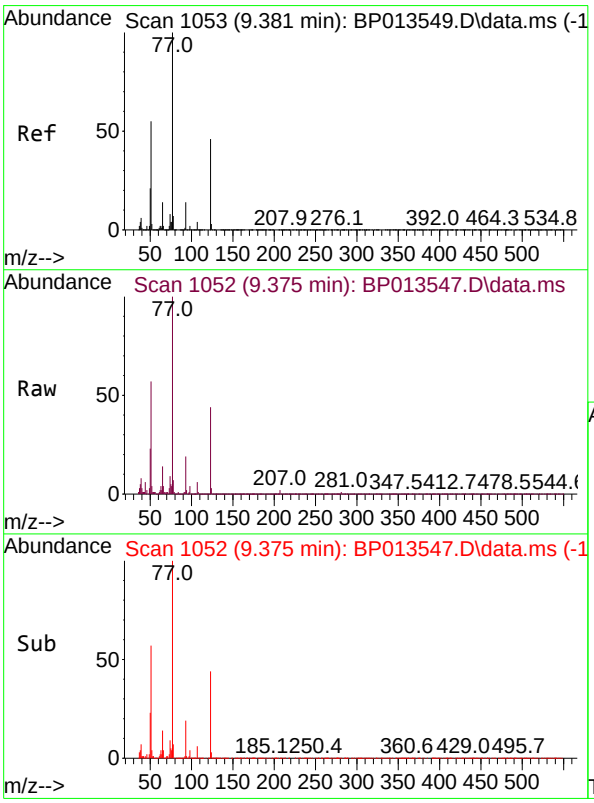
Ion	Ratio	Lower	Upper
82	100		
128	40.8	35.8	53.6
54	56.5	42.6	64.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

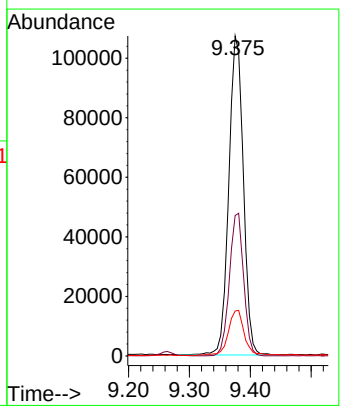
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

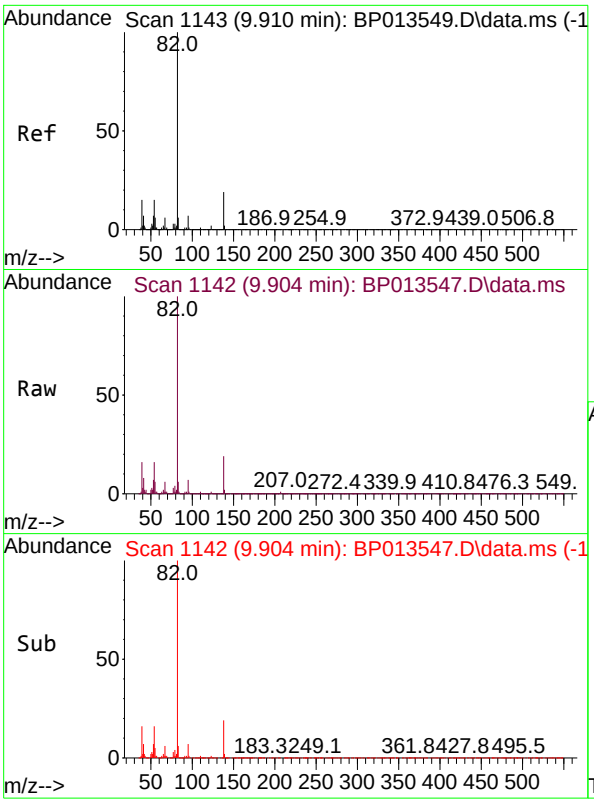


#24
Nitrobenzene
Concen: 8.748 ng
RT: 9.375 min Scan# 1052
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 77 Resp: 177682

Ion	Ratio	Lower	Upper
77	100		
123	43.9	37.2	55.8
65	14.0	11.1	16.7

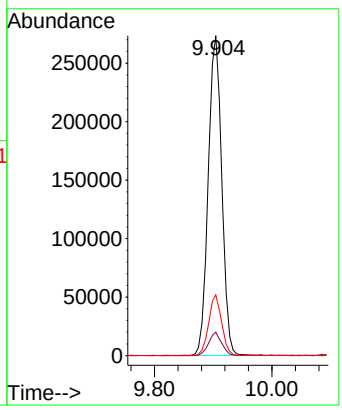




#25
Isophorone
Concen: 9.742 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 82 Resp: 43647

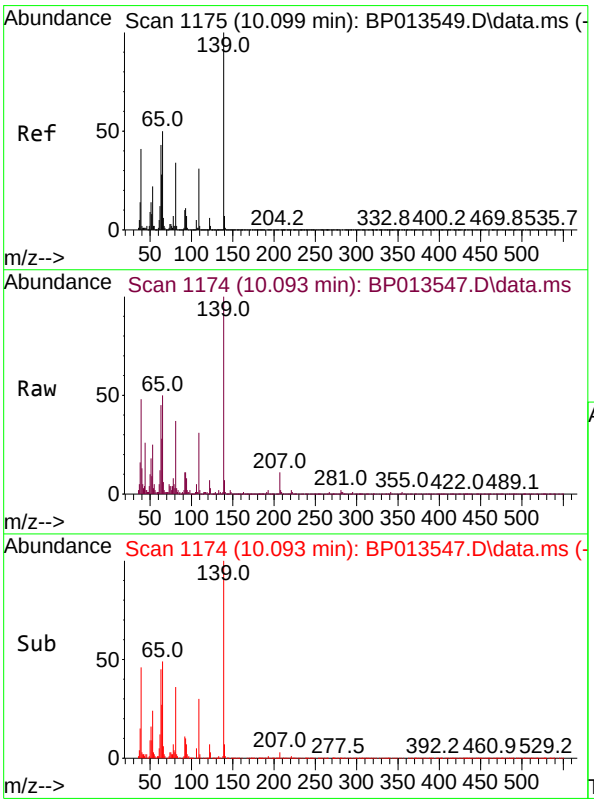
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	19.0	15.1	22.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

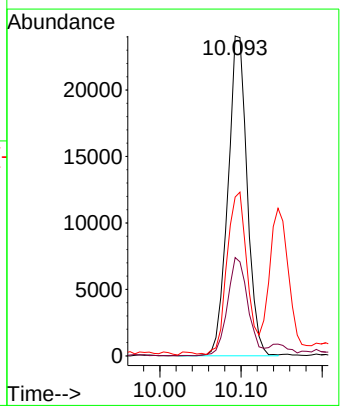
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

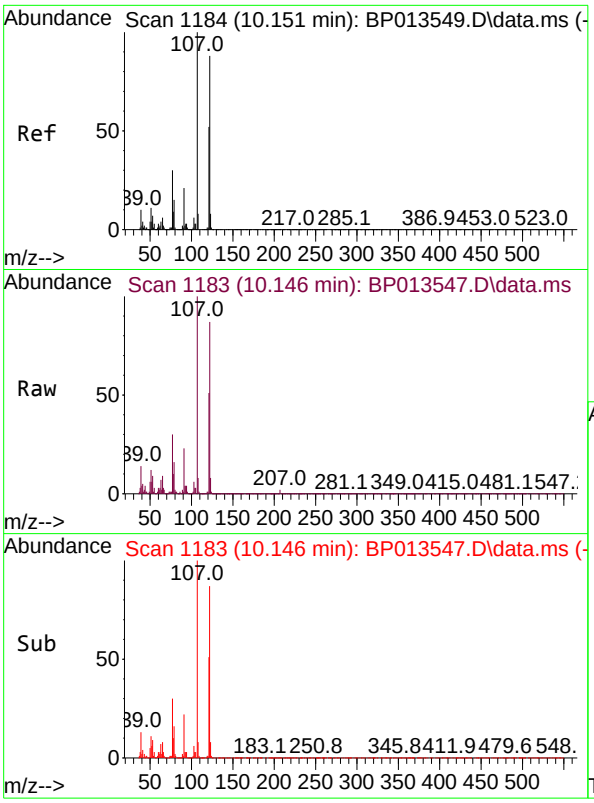


#26
2-Nitrophenol
Concen: 6.268 ng
RT: 10.093 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:139 Resp: 39693

Ion	Ratio	Lower	Upper
139	100		
109	30.7	25.1	37.7
65	49.6	40.1	60.1





#27
2,4-Dimethylphenol
Concen: 9.232 ng
RT: 10.146 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

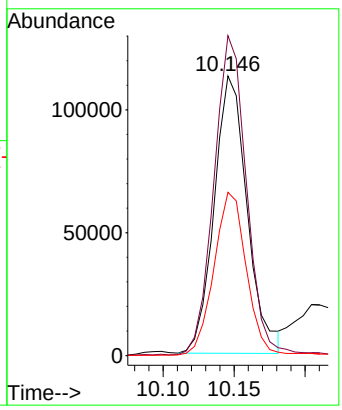
Tgt Ion:122 Resp: 18234

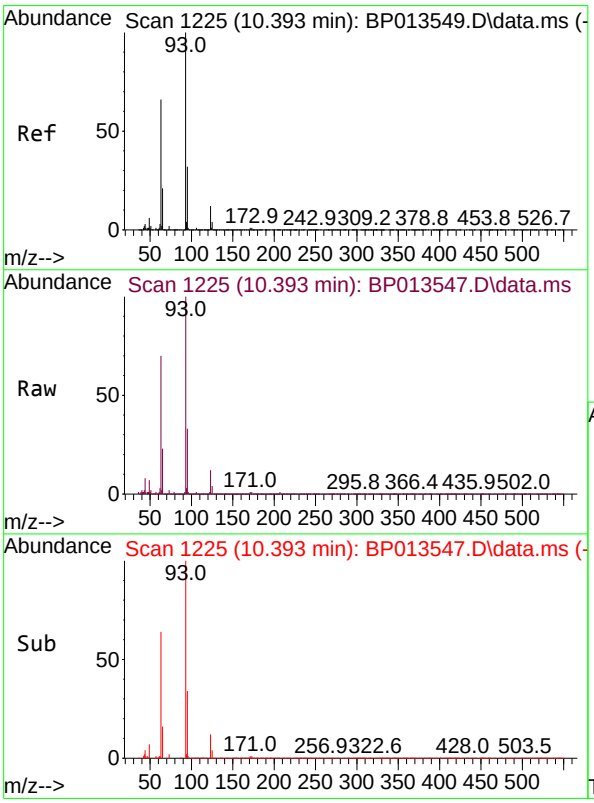
Ion	Ratio	Lower	Upper
122	100		
107	114.4	90.7	136.1
121	58.4	47.0	70.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

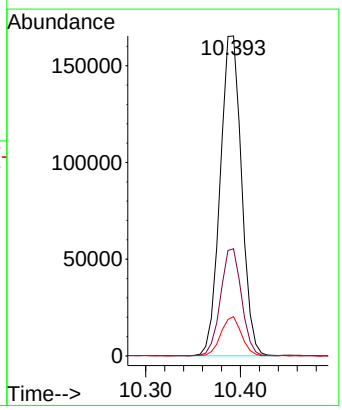


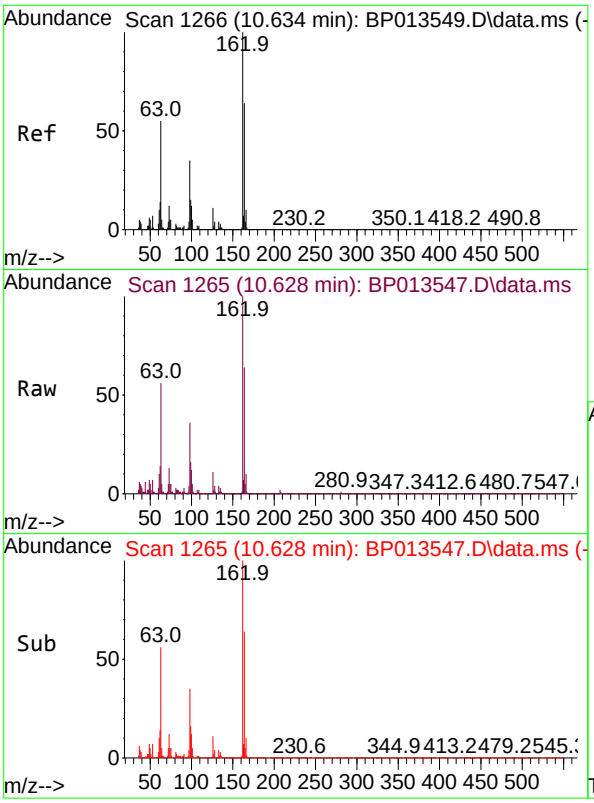


#28
bis(2-Chloroethoxy)methane
Concen: 9.603 ng
RT: 10.393 min Scan# 1225
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 93 Resp: 259280

Ion	Ratio	Lower	Upper
93	100		
95	33.5	25.8	38.8
123	12.3	9.4	14.0

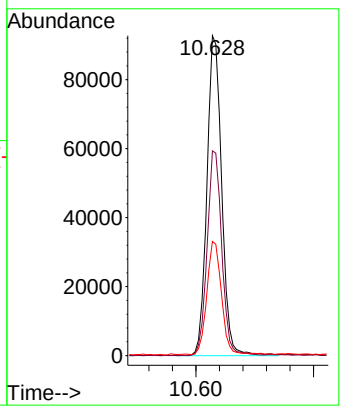




#29
2,4-Dichlorophenol
Concen: 9.095 ng
RT: 10.628 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:162 Resp: 16181

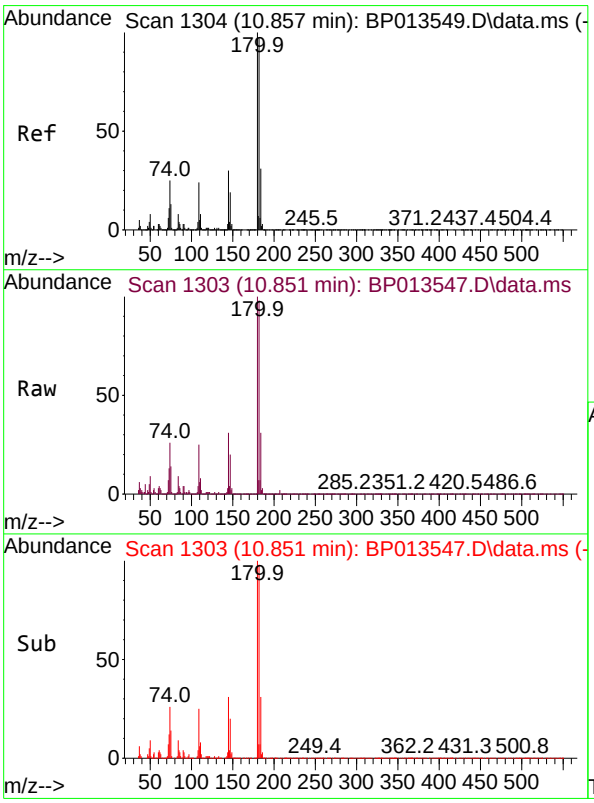
Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.3	84.3
98	35.7	15.3	55.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

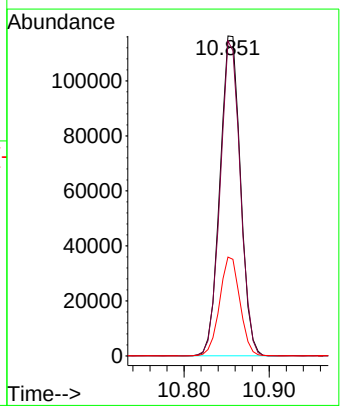
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

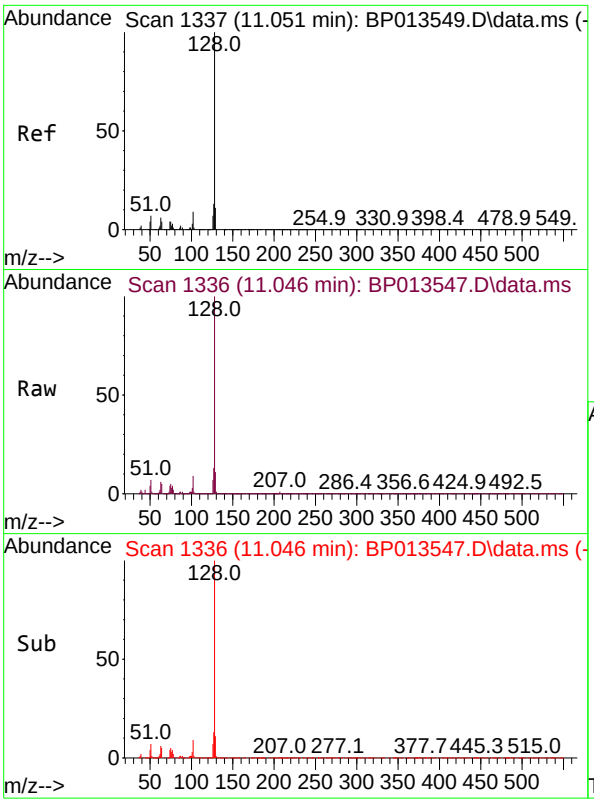


#30
1,2,4-Trichlorobenzene
Concen: 9.562 ng
RT: 10.851 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:180 Resp: 194140

Ion	Ratio	Lower	Upper
180	100		
182	98.4	77.9	116.9
145	30.9	24.0	36.0

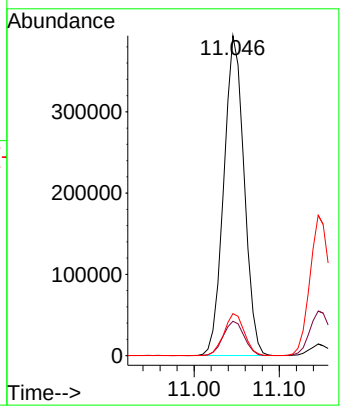




#31
Naphthalene
Concen: 9.706 ng
RT: 11.046 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:128 Resp: 65071

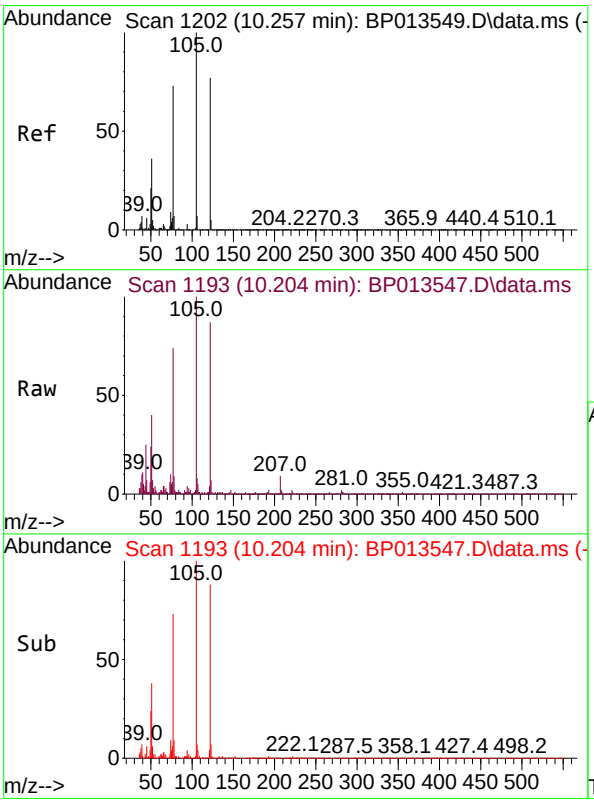
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.5	12.7
127	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

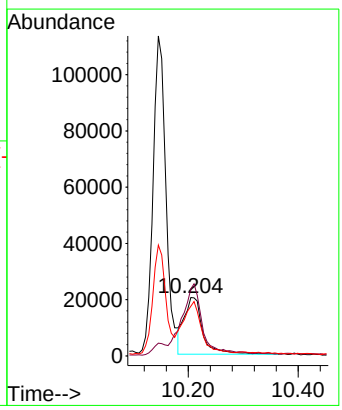
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

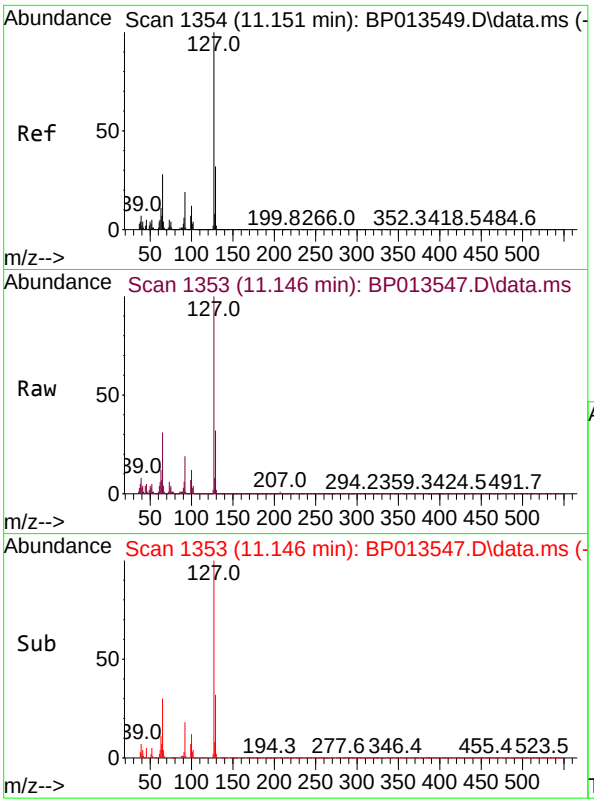


#32
Benzoic acid
Concen: 5.567 ng
RT: 10.204 min Scan# 1193
Delta R.T. -0.053 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:122 Resp: 48058

Ion	Ratio	Lower	Upper
122	100		
105	114.9	100.5	140.5
77	85.2	70.9	110.9

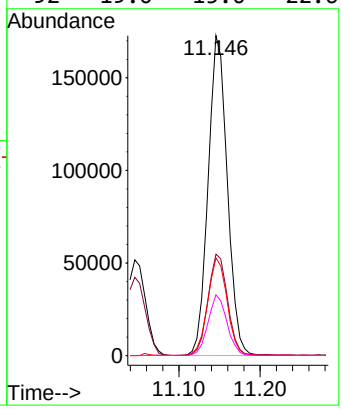




#33
4-Chloroaniline
Concen: 9.592 ng
RT: 11.146 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:127 Resp: 28455

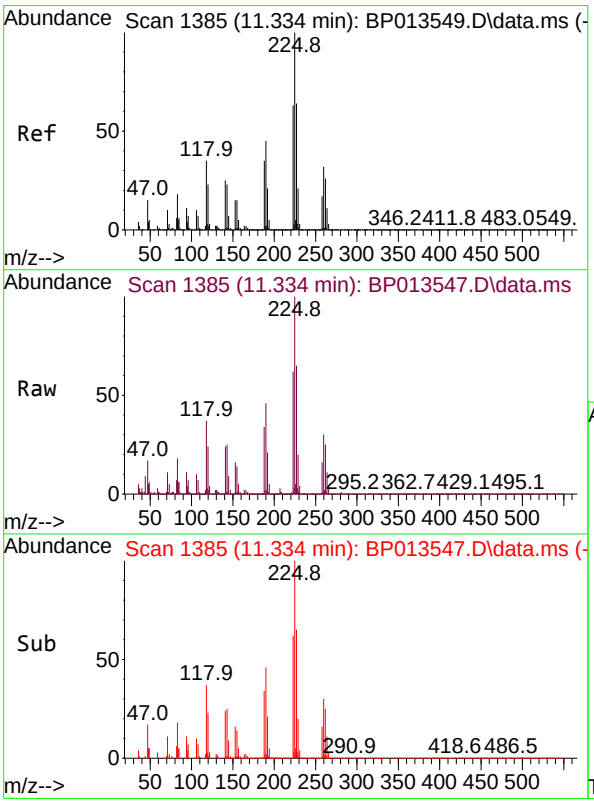
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.7	38.5
65	30.6	22.7	34.1
92	19.0	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

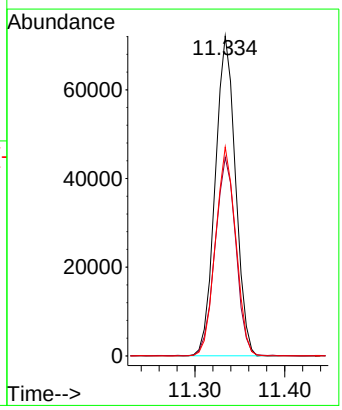
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

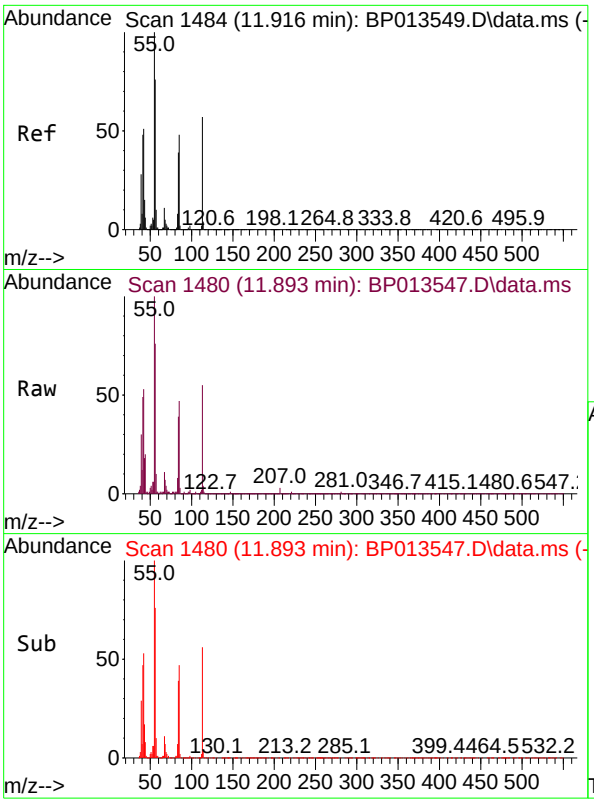


#34
Hexachlorobutadiene
Concen: 9.647 ng
RT: 11.334 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:225 Resp: 113982

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.2	75.2
227	65.3	51.4	77.2





#35
Caprolactam
Concen: 8.765 ng
RT: 11.893 min Scan# 14
Delta R.T. -0.024 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

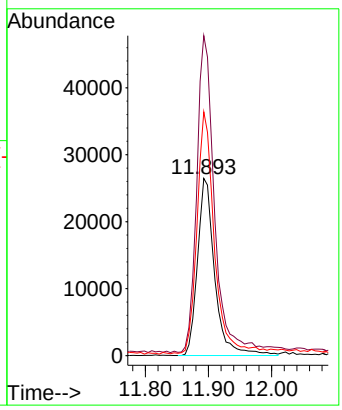
Tgt Ion:113 Resp: 5037

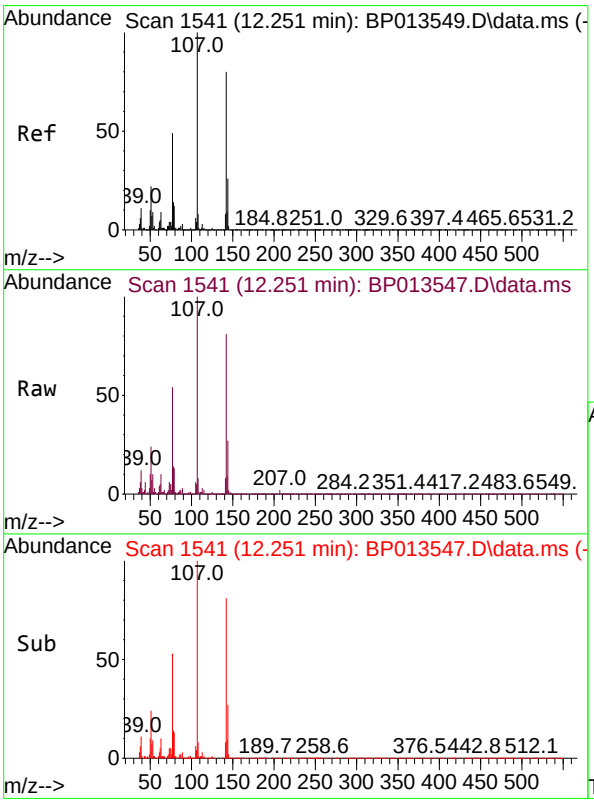
Ion	Ratio	Lower	Upper
113	100		
55	180.6	156.5	196.5
56	137.6	113.5	153.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

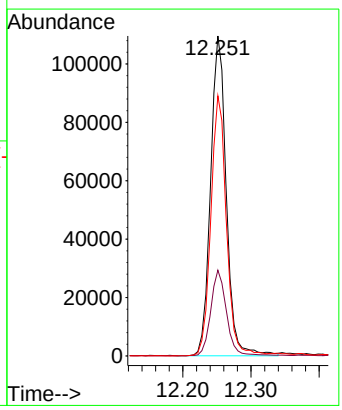


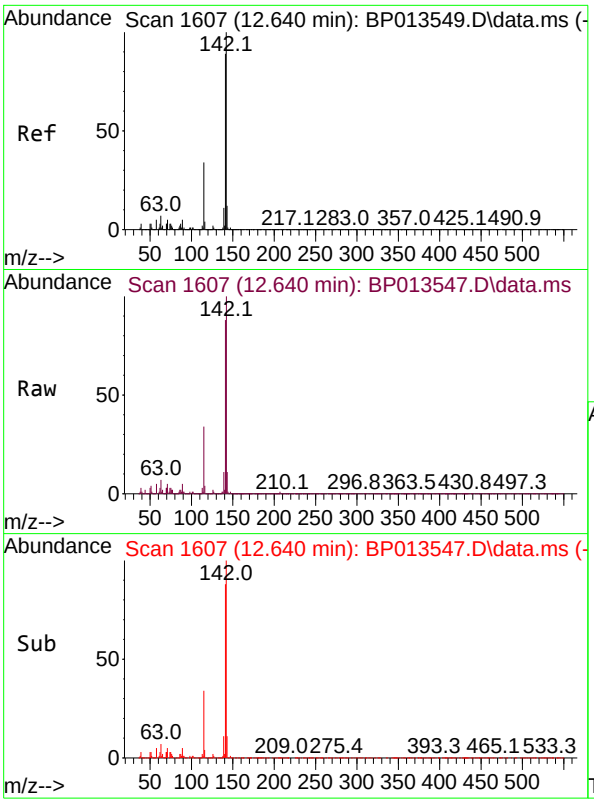


#36
4-Chloro-3-methylphenol
Concen: 9.042 ng
RT: 12.251 min Scan# 1541
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:107 Resp: 175182

Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.1	31.7
142	81.3	64.0	96.0

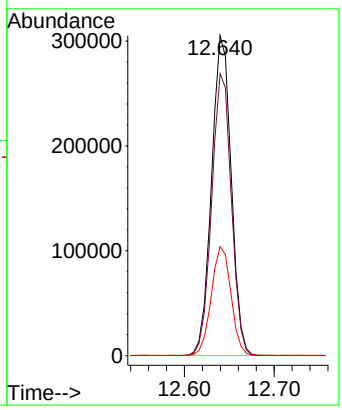




#37
2-Methylnaphthalene
Concen: 9.739 ng
RT: 12.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:142 Resp: 464090

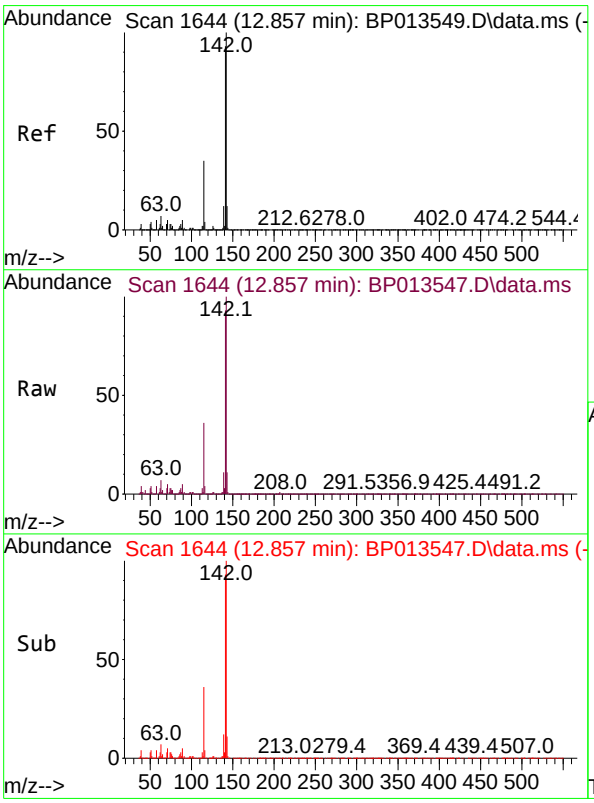
Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.4	107.2
115	34.1	27.4	41.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

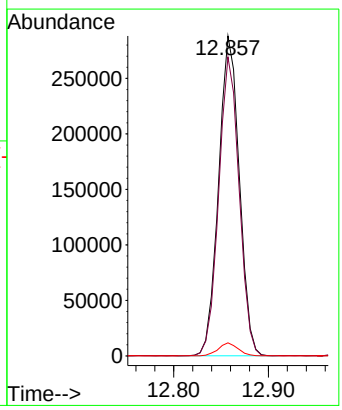
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

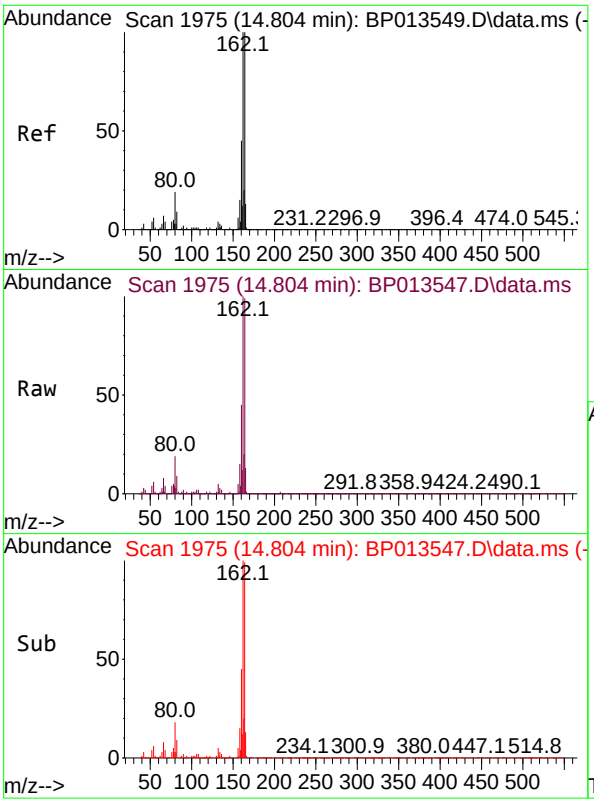


#38
1-Methylnaphthalene
Concen: 9.764 ng
RT: 12.857 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:142 Resp: 437204

Ion	Ratio	Lower	Upper
142	100		
141	93.4	74.3	111.5
116	4.1	3.0	4.6

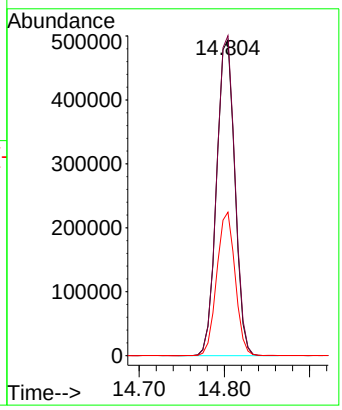




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.804 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:164 Resp: 73350

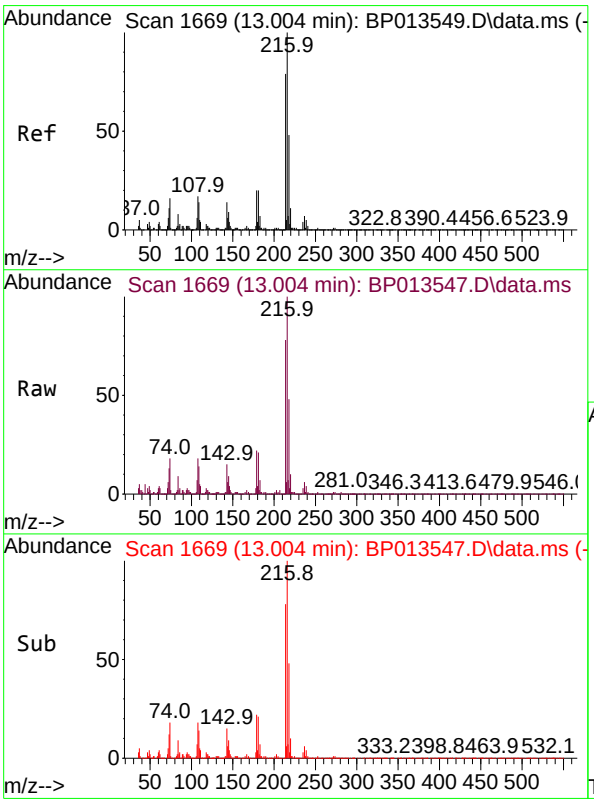
Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.1	120.1
160	45.4	35.9	53.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

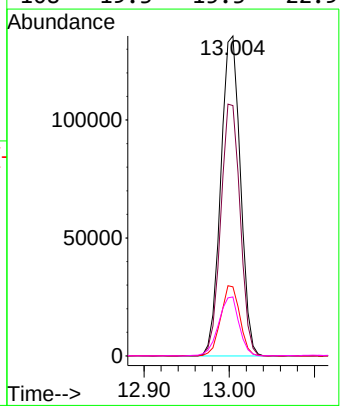
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

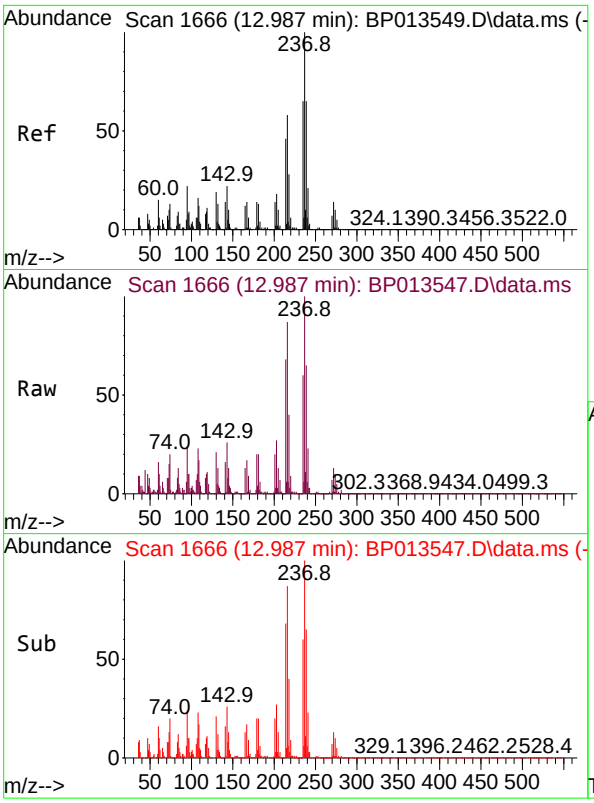


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.593 ng
RT: 13.004 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:216 Resp: 216644

Ion	Ratio	Lower	Upper
216	100		
214	77.7	62.9	94.3
179	21.3	16.6	24.8
108	19.3	15.3	22.9

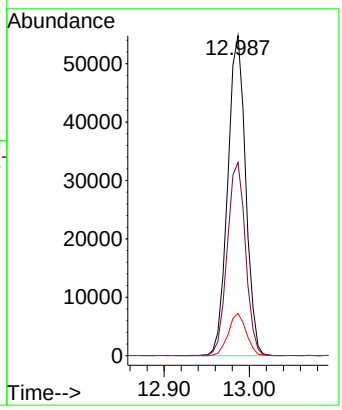




#41
Hexachlorocyclopentadiene
Concen: 7.533 ng
RT: 12.987 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:237 Resp: 8007

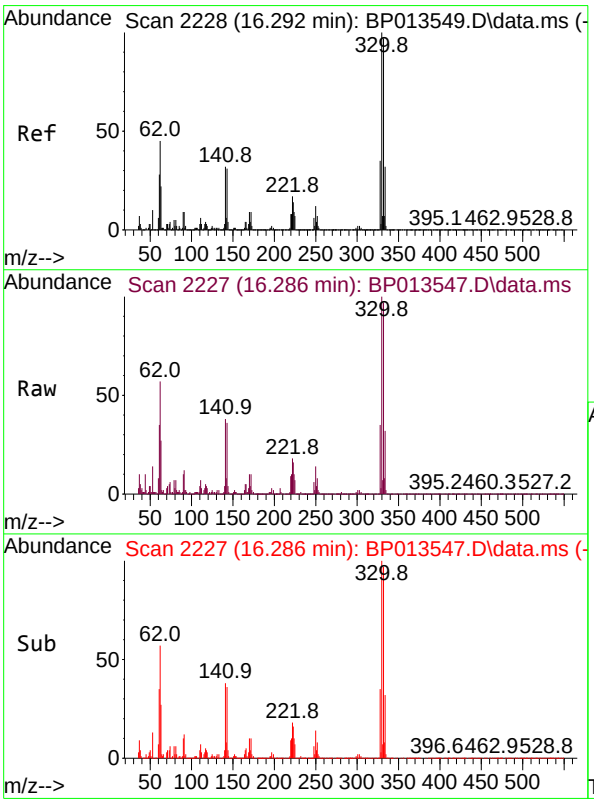
Ion	Ratio	Lower	Upper
237	100		
235	60.4	44.6	84.6
272	13.2	0.0	33.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

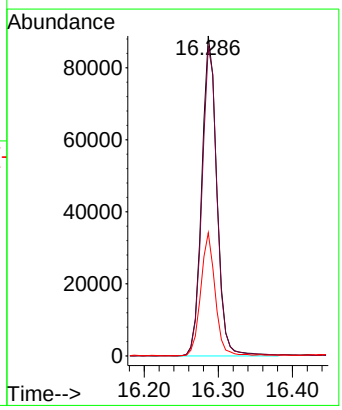
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

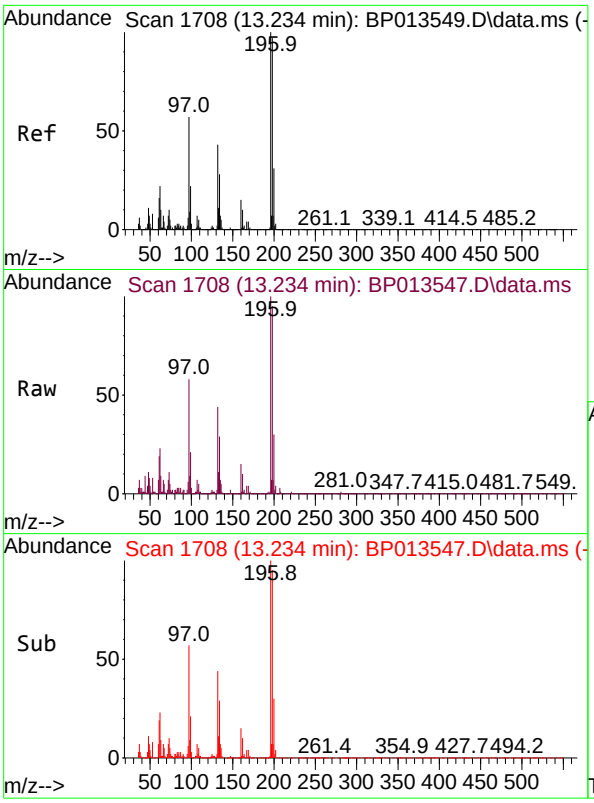


#42
2,4,6-Tribromophenol
Concen: 16.458 ng
RT: 16.286 min Scan# 2227
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:330 Resp: 125860

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.2
141	36.5	27.6	41.4

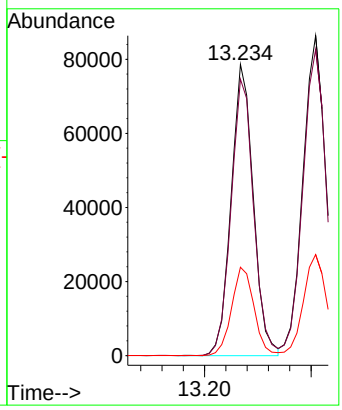




#43
2,4,6-Trichlorophenol
Concen: 8.595 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:196 Resp: 11360

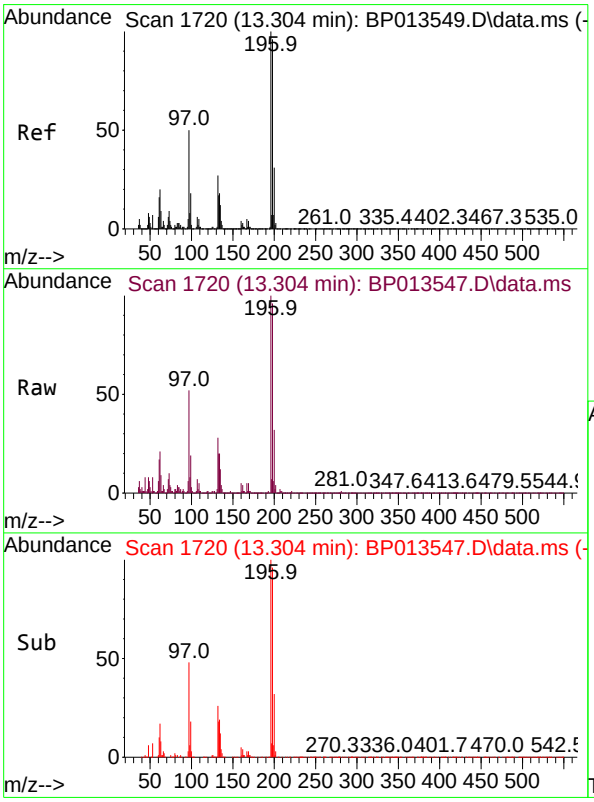
Ion	Ratio	Lower	Upper
196	100		
198	94.9	77.3	115.9
200	30.4	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

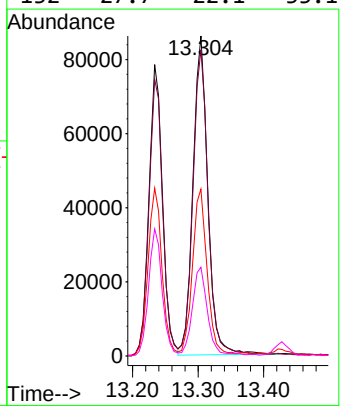
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

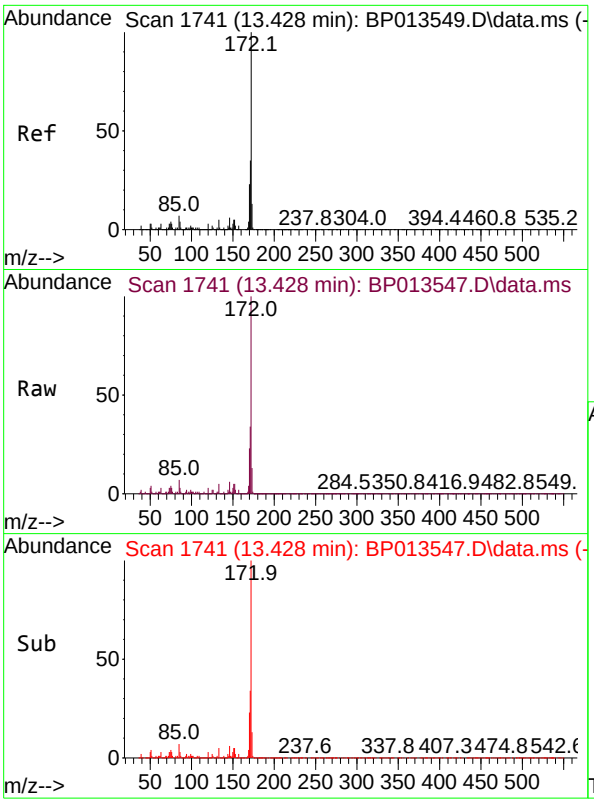


#44
2,4,5-Trichlorophenol
Concen: 8.673 ng
RT: 13.304 min Scan# 1720
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:196 Resp: 135447

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.7	115.1
97	52.1	40.0	60.0
132	27.7	22.1	33.1

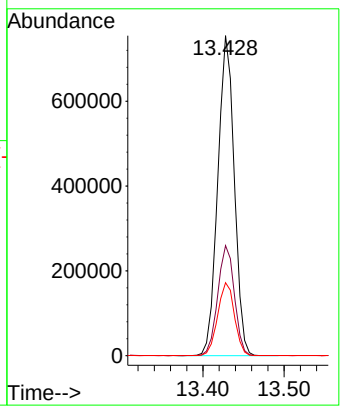




#45
2-Fluorobiphenyl
Concen: 19.879 ng
RT: 13.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:172 Resp: 106226

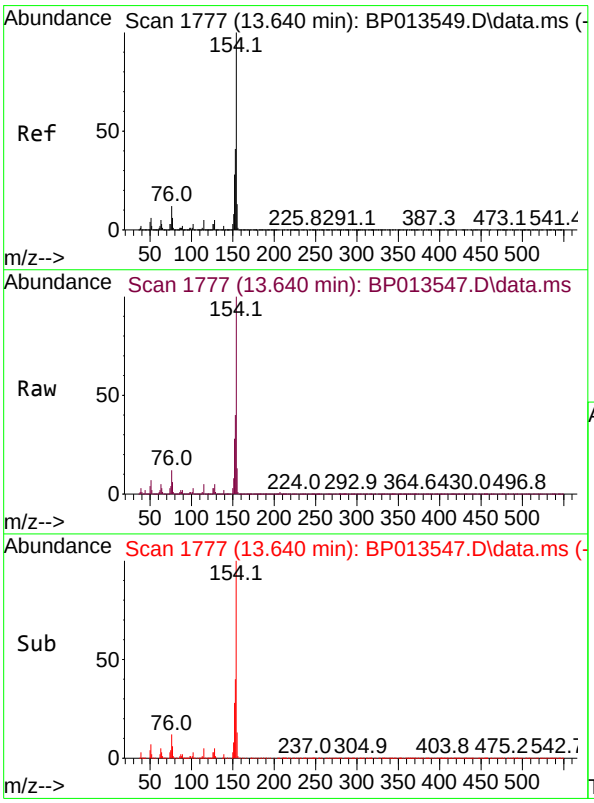
Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.8
170	22.8	18.6	27.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

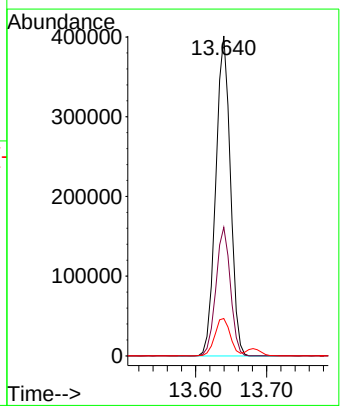
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

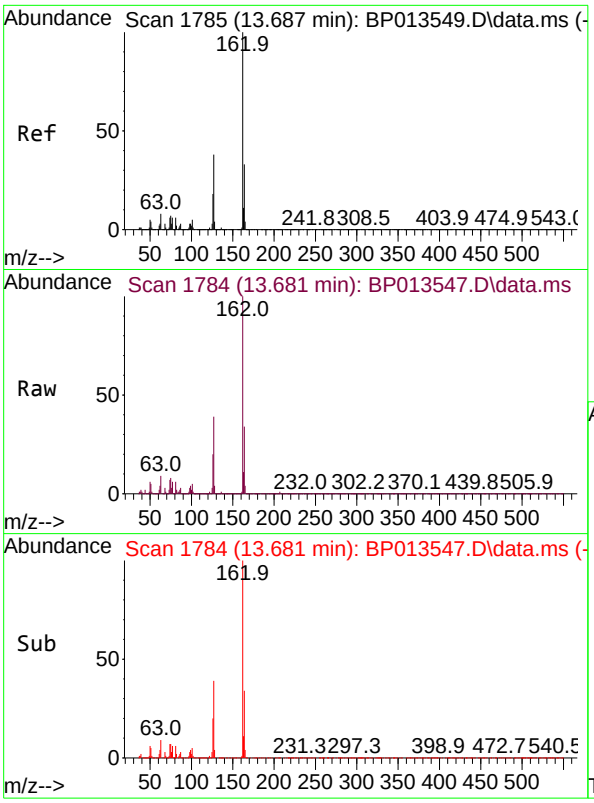


#46
1,1'-Biphenyl
Concen: 9.749 ng
RT: 13.640 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:154 Resp: 574308

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.5	60.5
76	11.7	0.0	32.1

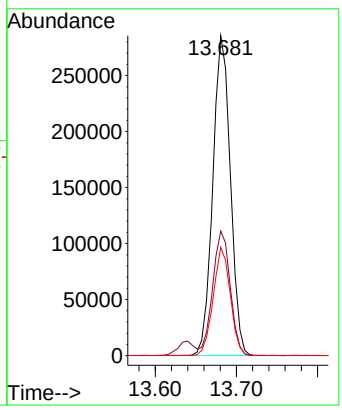




#47
2-Chloronaphthalene
Concen: 9.729 ng
RT: 13.681 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:162 Resp: 42937

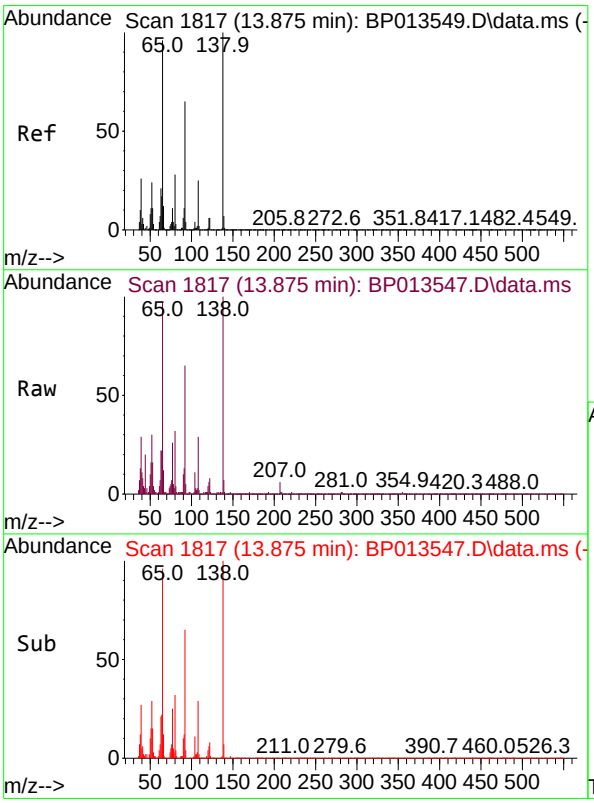
Ion	Ratio	Lower	Upper
162	100		
127	38.9	30.8	46.2
164	33.8	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

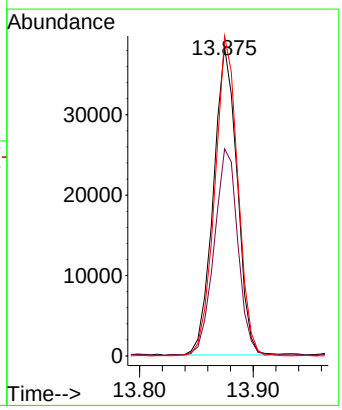
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

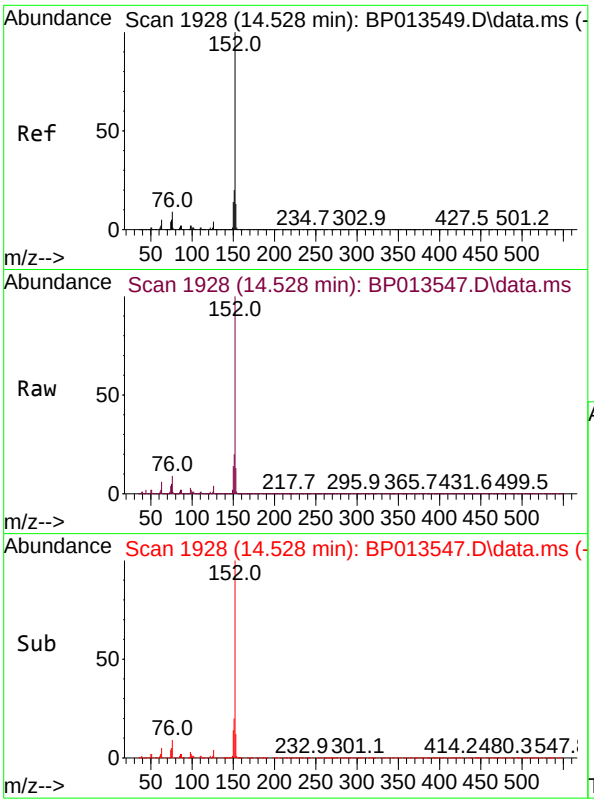


#48
2-Nitroaniline
Concen: 6.293 ng
RT: 13.875 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 65 Resp: 55566

Ion	Ratio	Lower	Upper
65	100		
92	67.1	54.1	81.1
138	103.6	83.6	125.4

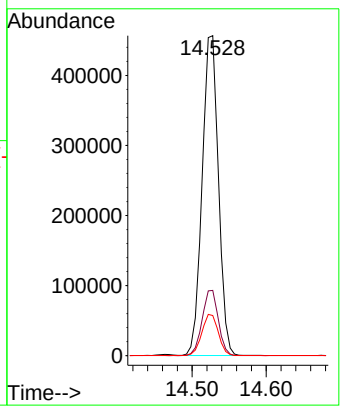




#49
Acenaphthylene
Concen: 9.659 ng
RT: 14.528 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:152 Resp: 69712

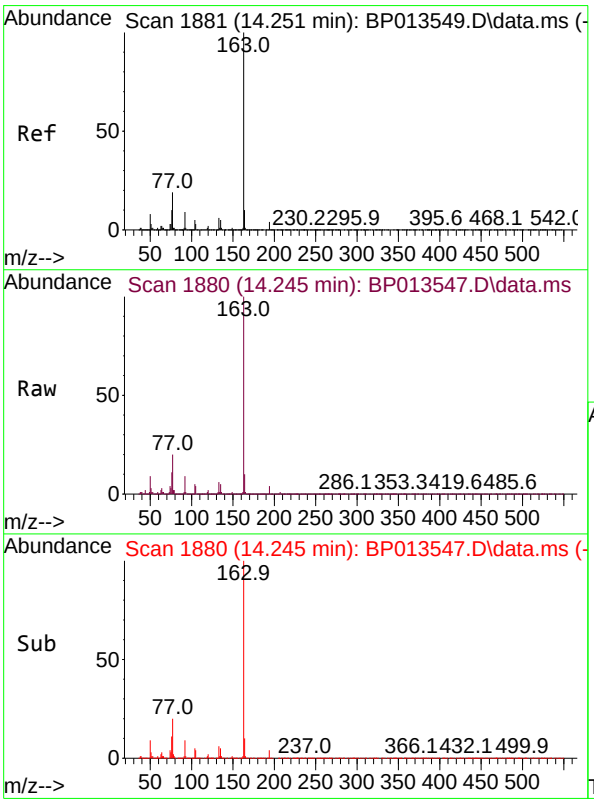
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	12.5	10.1	15.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

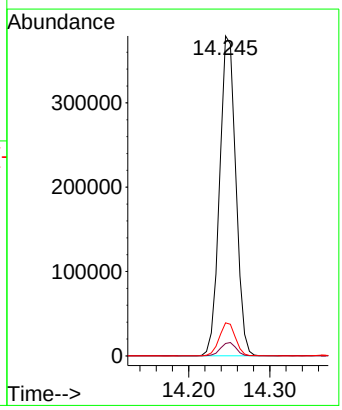
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

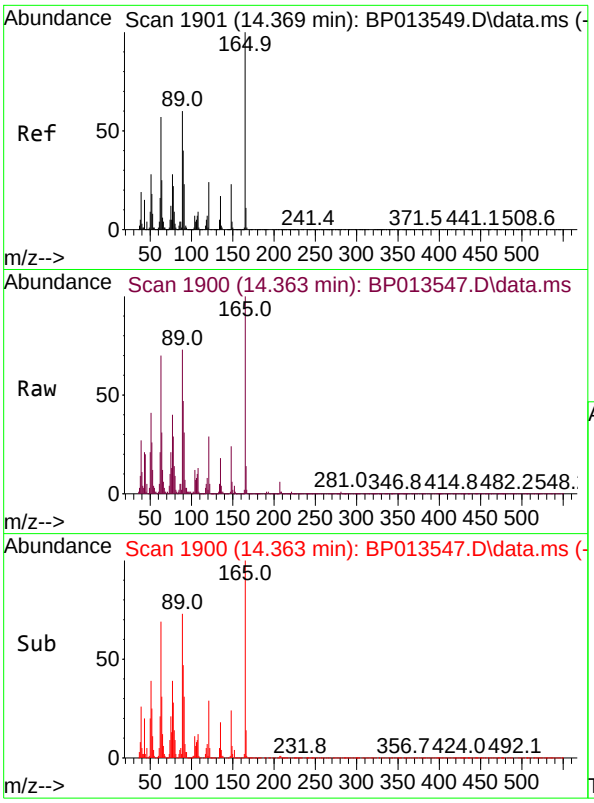


#50
Dimethylphthalate
Concen: 9.612 ng
RT: 14.245 min Scan# 1880
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:163 Resp: 524089

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.3	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 6.872 ng
RT: 14.363 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

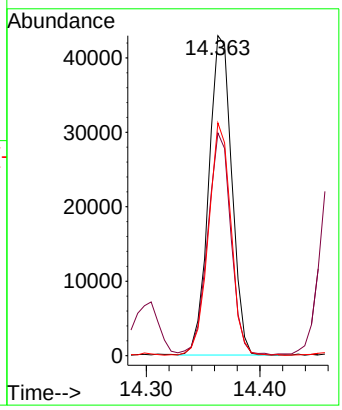
Tgt Ion:165 Resp: 6050

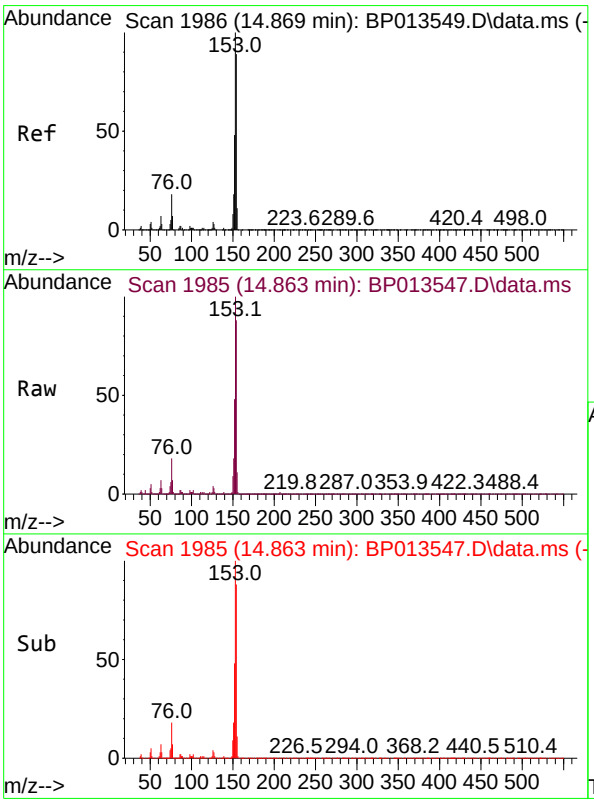
Ion	Ratio	Lower	Upper
165	100		
63	69.6	47.2	70.8
89	72.7	47.8	71.6#

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

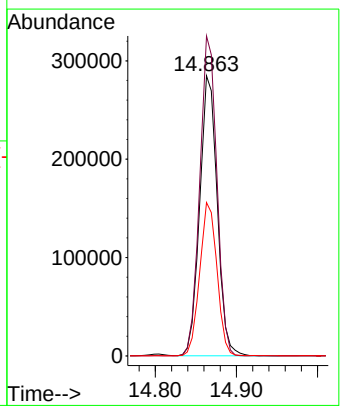


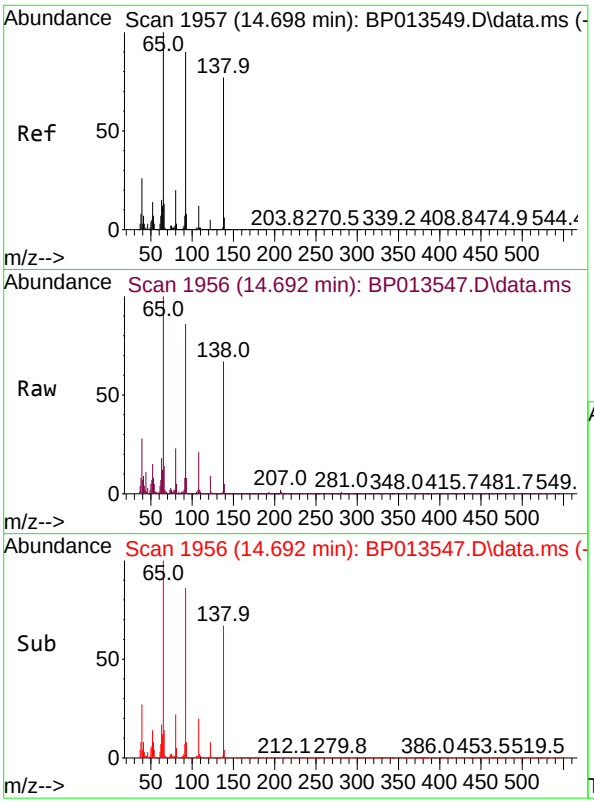


#52
Acenaphthene
Concen: 9.583 ng
RT: 14.863 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:154 Resp: 427245

Ion	Ratio	Lower	Upper
154	100		
153	114.3	89.4	134.0
152	54.8	42.7	64.1

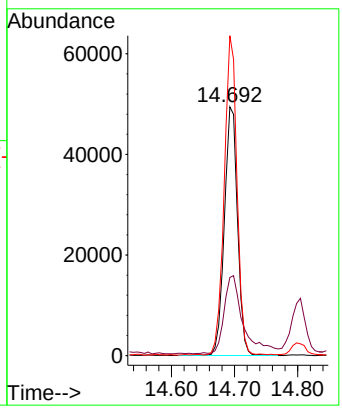




#53
3-Nitroaniline
Concen: 7.064 ng
RT: 14.692 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:138 Resp: 7129

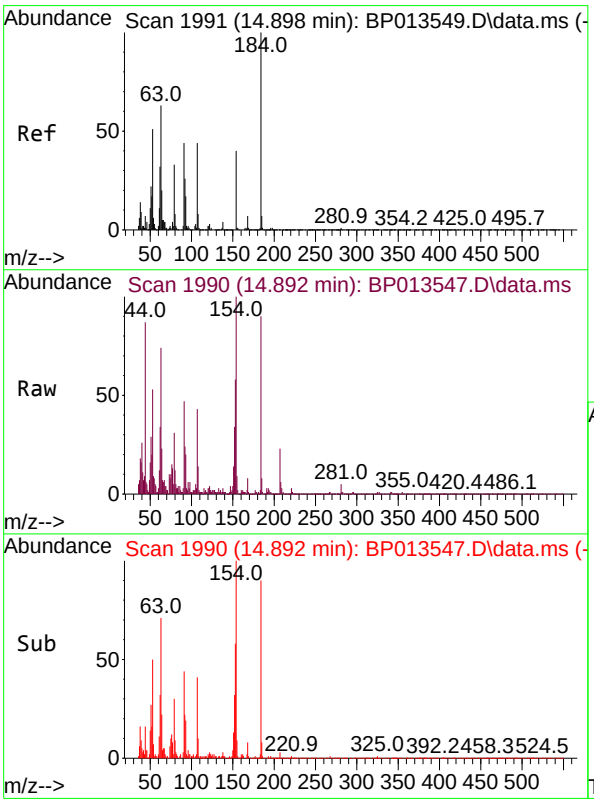
Ion	Ratio	Lower	Upper
138	100		
108	31.4	12.8	19.2#
92	128.7	93.3	139.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

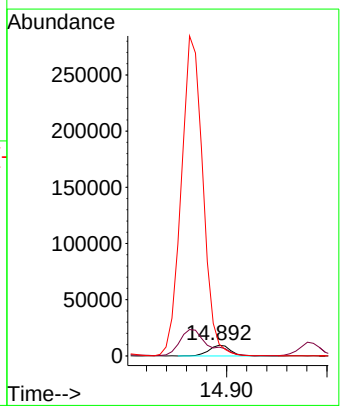
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

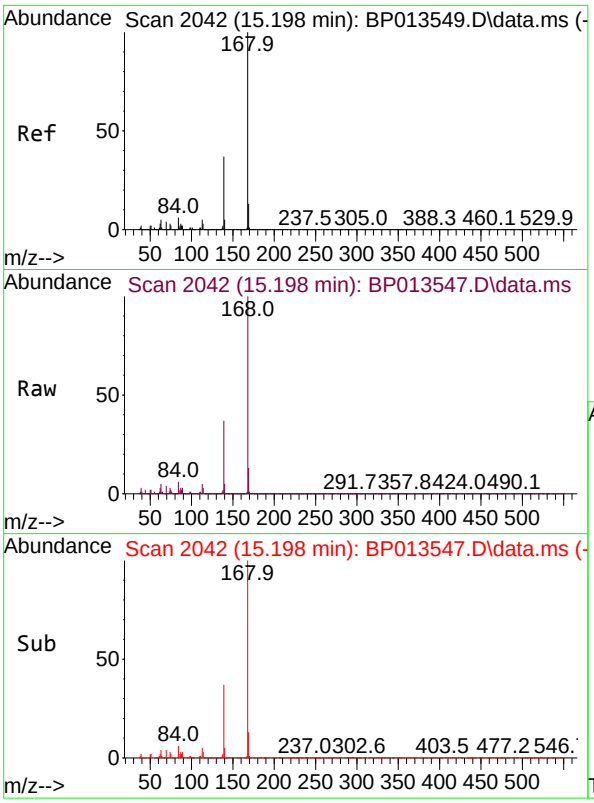


#54
2,4-Dinitrophenol
Concen: 5.152 ng
RT: 14.892 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:184 Resp: 13822

Ion	Ratio	Lower	Upper
184	100		
63	82.1	53.2	79.8#
154	111.5	54.4	81.6#





#55
Dibenzofuran
Concen: 9.826 ng
RT: 15.198 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

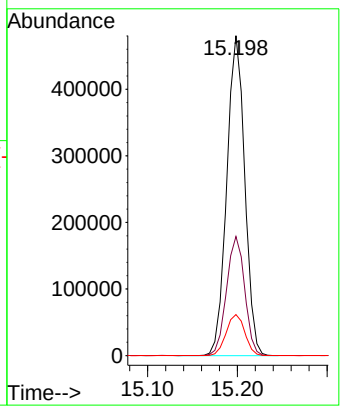
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

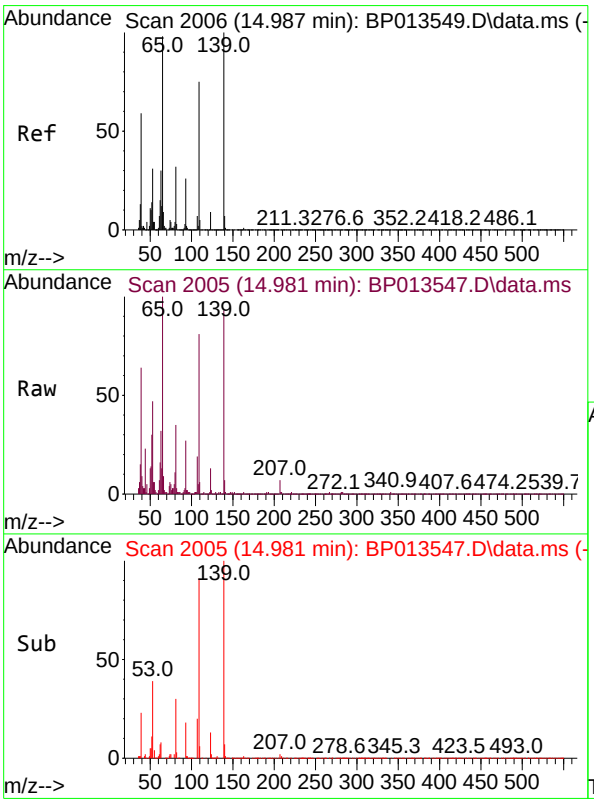
Tgt Ion:168 Resp: 67176

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.9	44.9
169	12.8	10.7	16.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

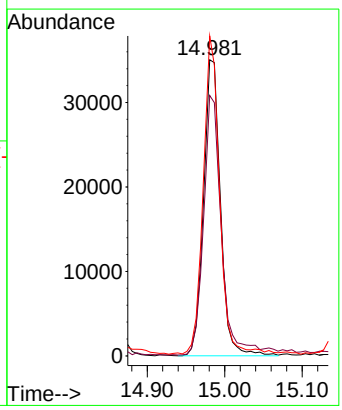


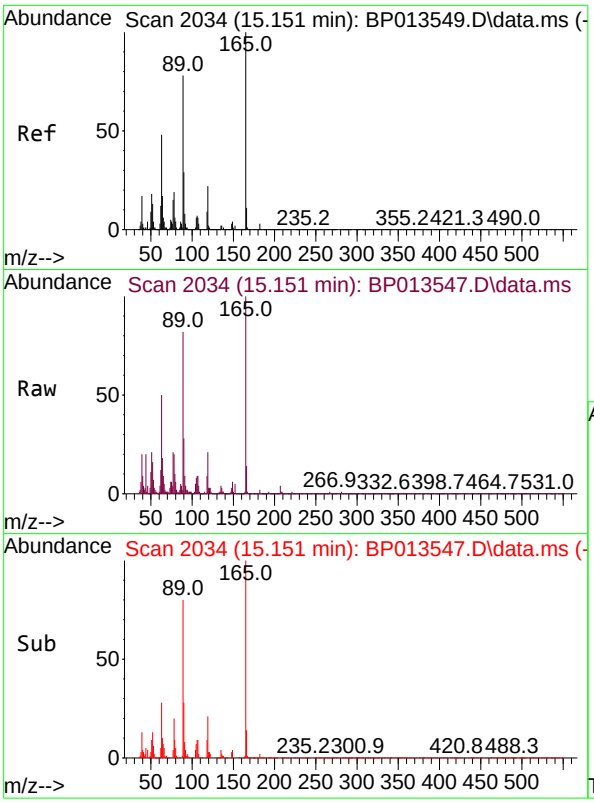


#56
4-Nitrophenol
Concen: 6.462 ng
RT: 14.981 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:139 Resp: 53210

Ion	Ratio	Lower	Upper
139	100		
109	87.9	55.0	95.0
65	108.1	77.7	117.7

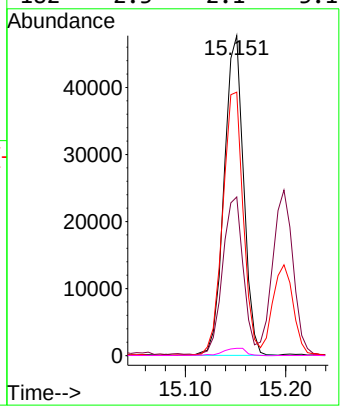




#57
2,4-Dinitrotoluene
Concen: 6.071 ng
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:165 Resp: 6426

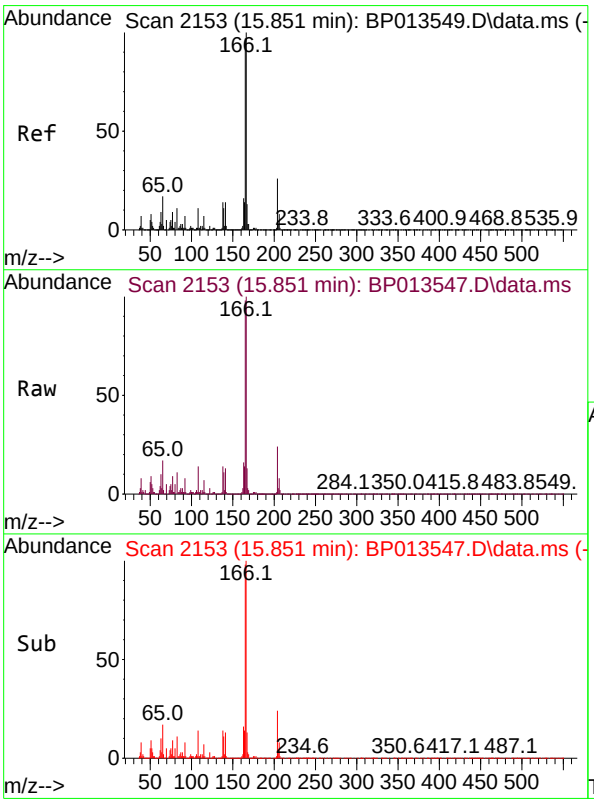
Ion	Ratio	Lower	Upper
165	100		
63	49.6	38.3	57.5
89	82.3	62.1	93.1
182	2.3	2.1	3.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

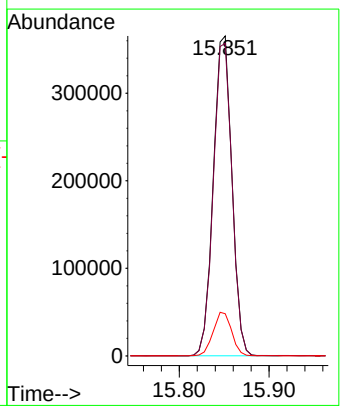
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

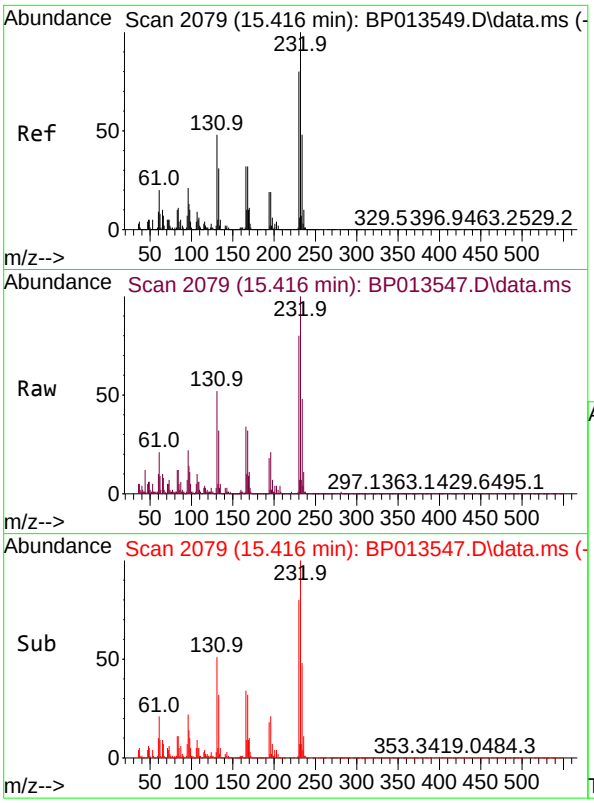


#58
Fluorene
Concen: 9.753 ng
RT: 15.851 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:166 Resp: 529954

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.8	116.8
167	13.2	10.7	16.1

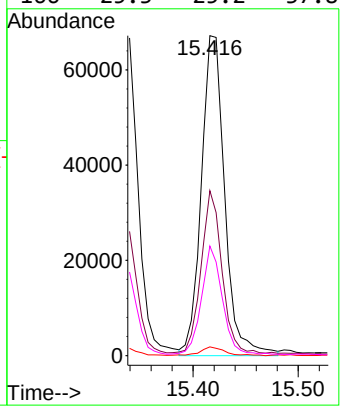




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.692 ng m
RT: 15.416 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:232 Resp: 10423

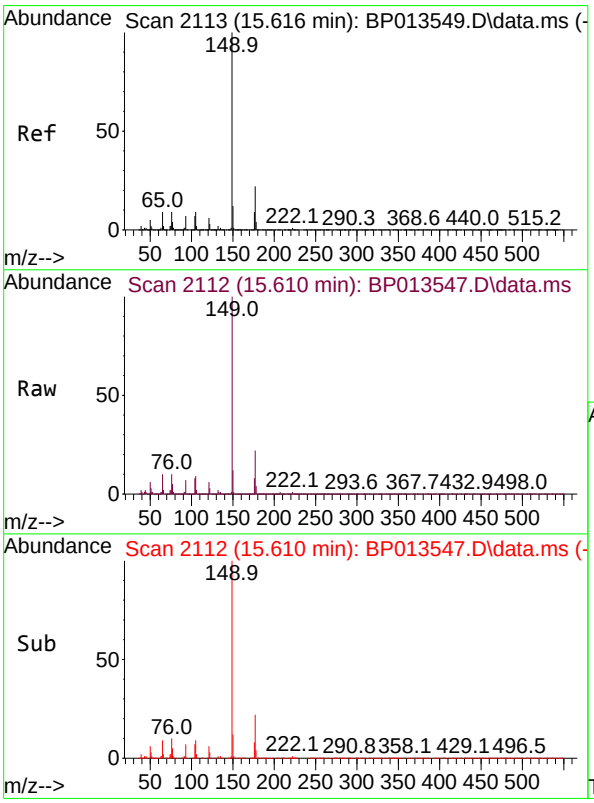
Ion	Ratio	Lower	Upper
232	100		
131	40.1	37.1	55.7
130	2.6	1.9	2.9
166	25.3	25.2	37.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

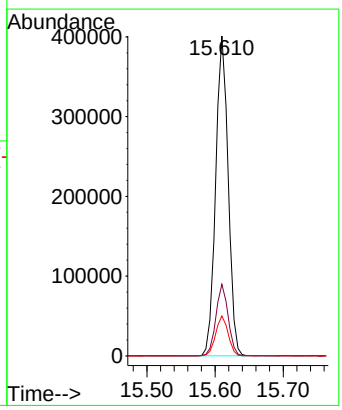
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

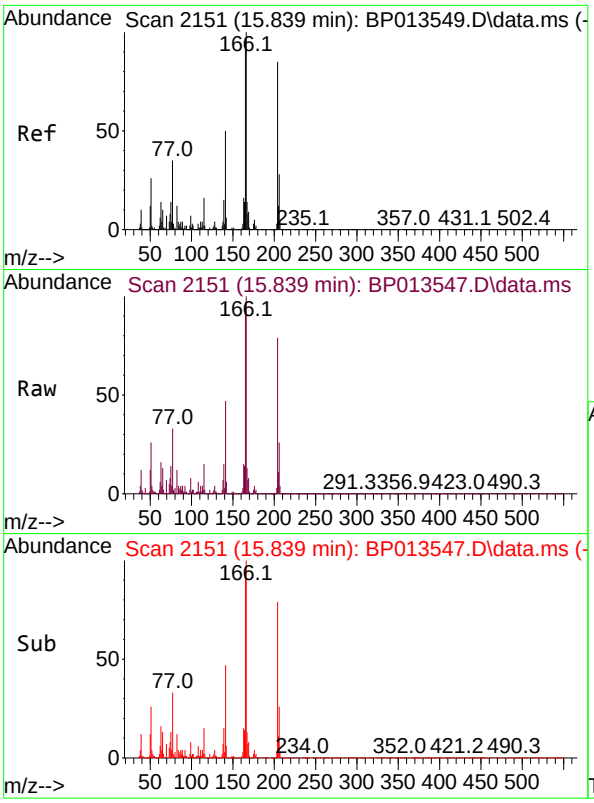


#60
Diethylphthalate
Concen: 9.527 ng
RT: 15.610 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:149 Resp: 507345

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.8	26.6
150	12.5	9.8	14.6





#61
4-Chlorophenyl-phenylether
Concen: 9.679 ng
RT: 15.839 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

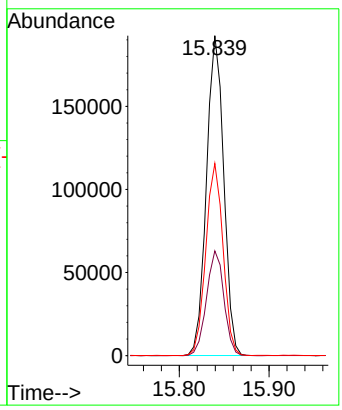
Tgt Ion:204 Resp: 25861

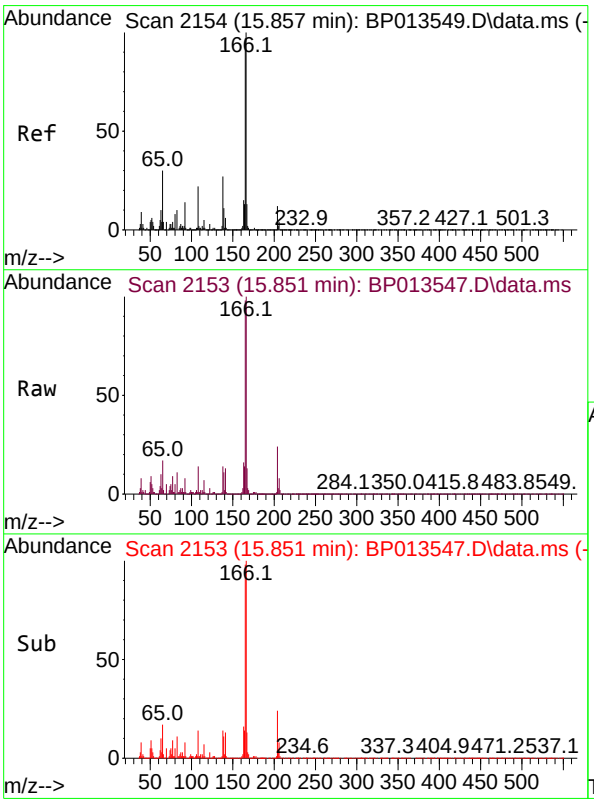
Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.6	39.8
141	60.0	47.0	70.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

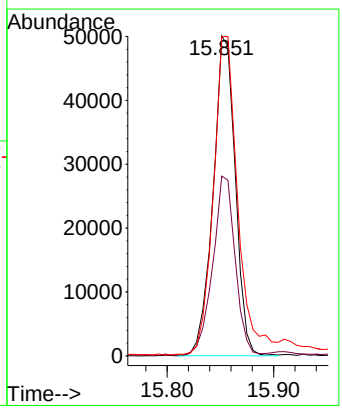


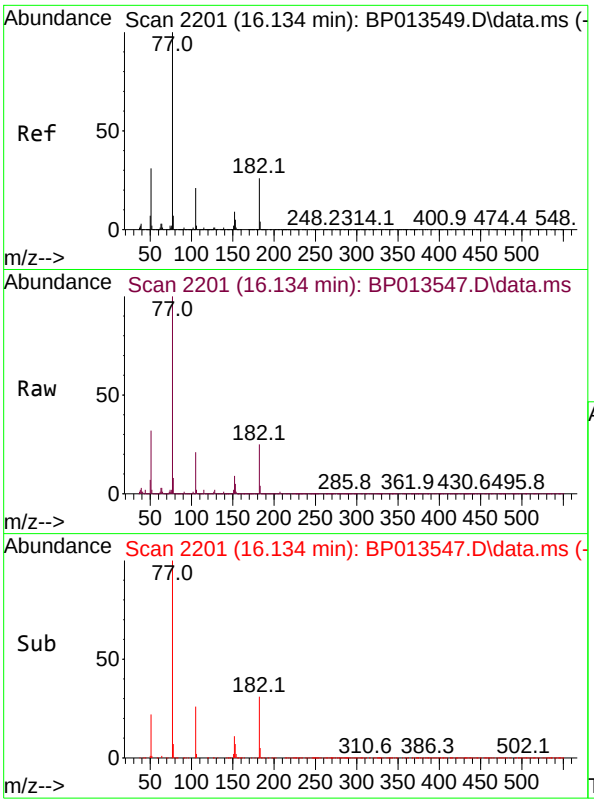


#62
4-Nitroaniline
Concen: 7.053 ng
RT: 15.851 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:138 Resp: 72632

Ion	Ratio	Lower	Upper
138	100		
92	56.2	32.3	72.3
108	99.8	59.2	99.2#

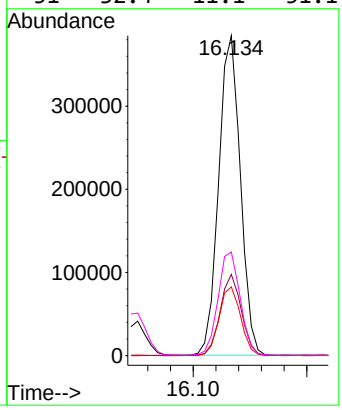




#63
Azobenzene
Concen: 9.839 ng
RT: 16.134 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion: 77 Resp: 509151

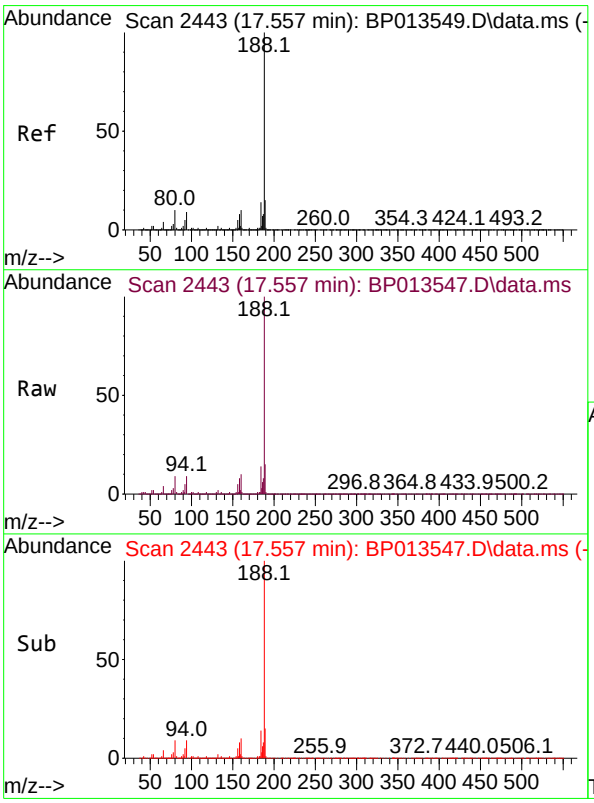
Ion	Ratio	Lower	Upper
77	100		
182	25.4	5.5	45.5
105	21.5	1.4	41.4
51	32.4	11.1	51.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

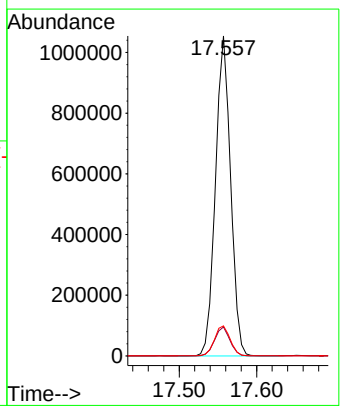
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

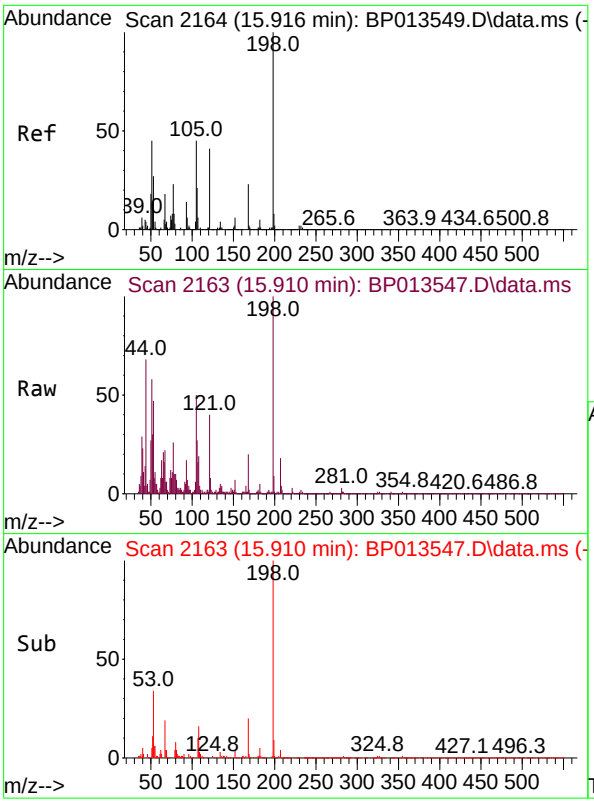


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.557 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:188 Resp: 1433151

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	9.4	8.2	12.2





#65
4,6-Dinitro-2-methylphenol
Concen: 4.611 ng
RT: 15.910 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

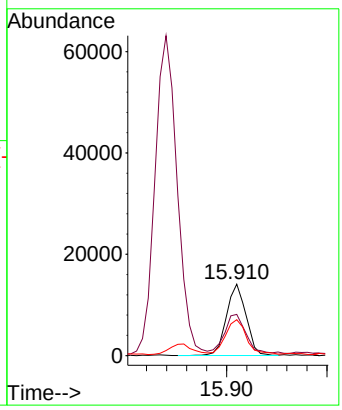
Tgt Ion:198 Resp: 19099

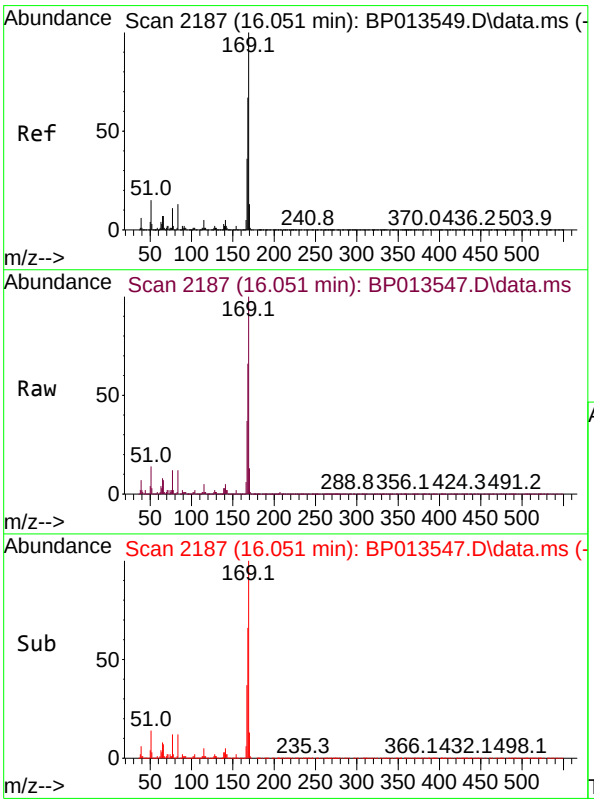
Ion	Ratio	Lower	Upper
198	100		
51	57.8	30.4	70.4
105	50.4	26.4	66.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

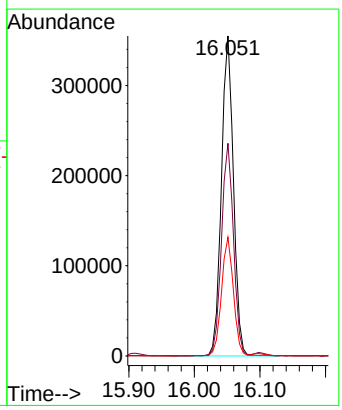


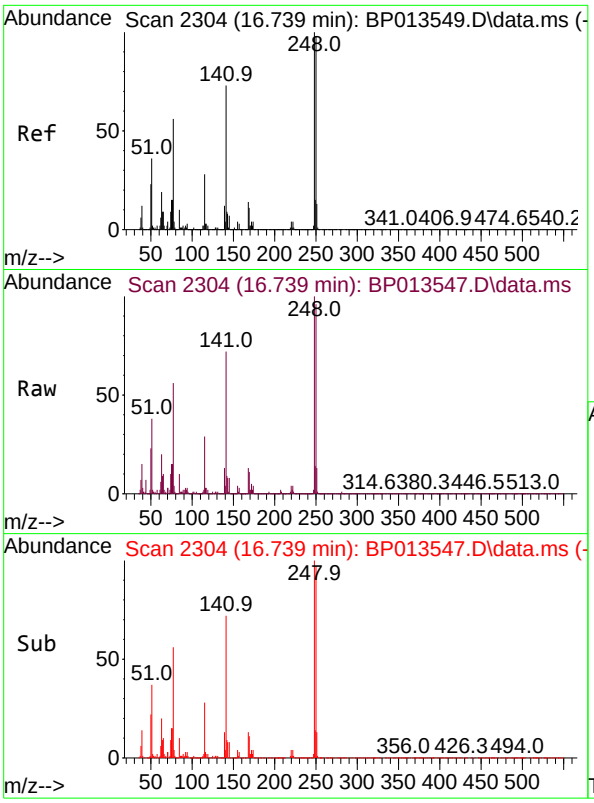


#66
n-Nitrosodiphenylamine
Concen: 9.677 ng
RT: 16.051 min Scan# 2187
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:169 Resp: 452272

Ion	Ratio	Lower	Upper
169	100		
168	66.4	54.0	81.0
167	37.1	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 9.463 ng
RT: 16.739 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

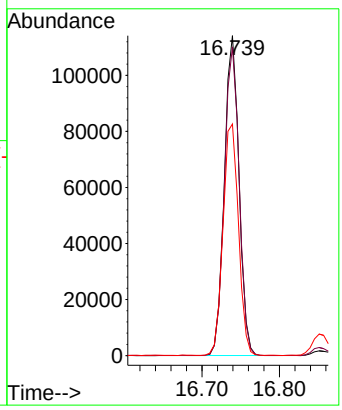
Tgt Ion:248 Resp: 15022

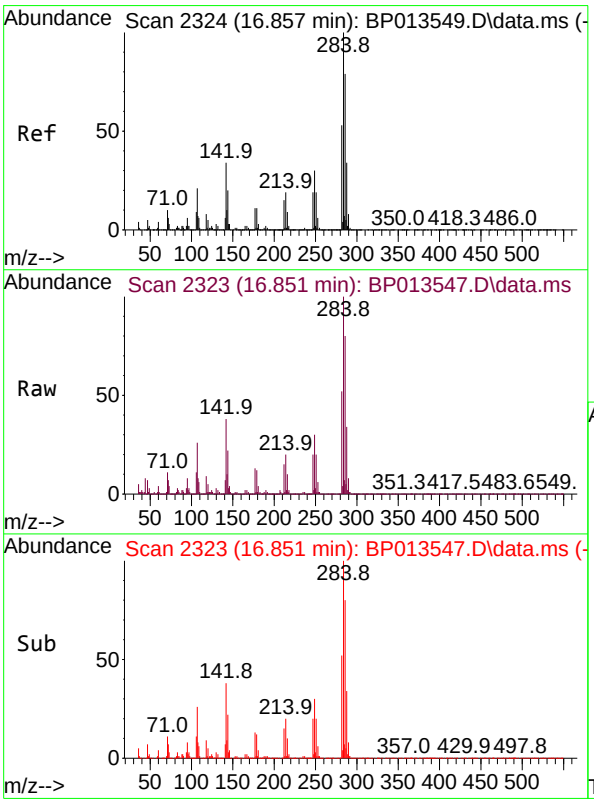
Ion	Ratio	Lower	Upper
248	100		
250	96.5	78.1	117.1
141	72.4	58.1	87.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

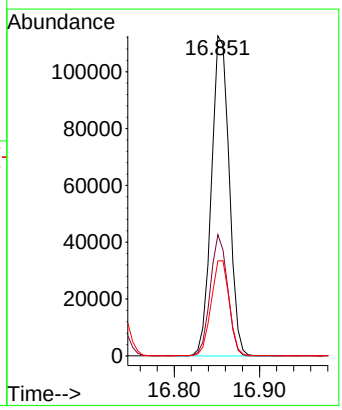


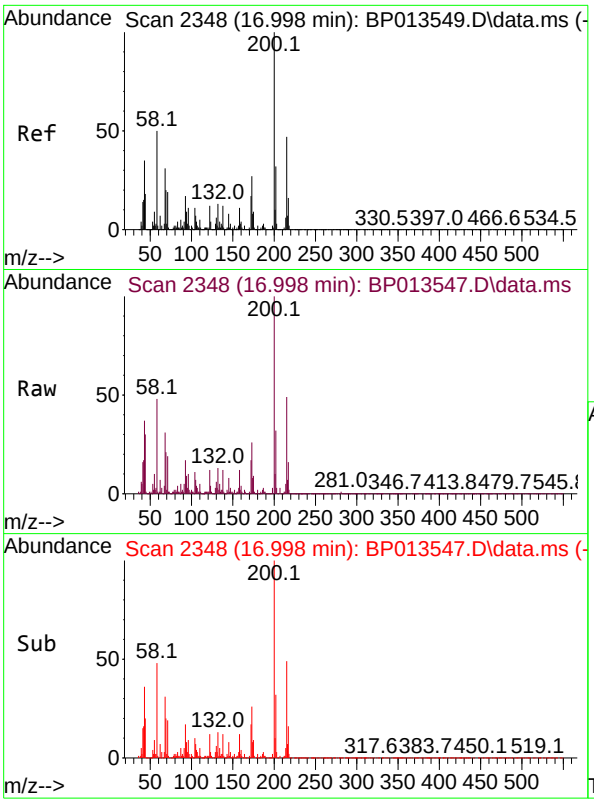


#68
Hexachlorobenzene
Concen: 9.478 ng
RT: 16.851 min Scan# 2323
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:284 Resp: 162523

Ion	Ratio	Lower	Upper
284	100		
142	37.9	27.3	40.9
249	29.7	24.0	36.0





#69
Atrazine
Concen: 9.172 ng
RT: 16.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

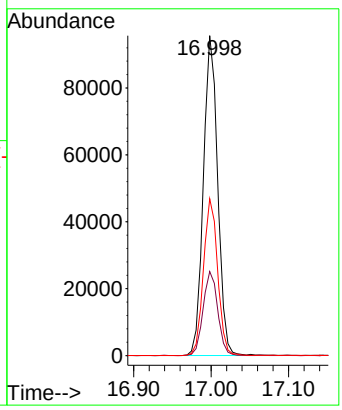
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

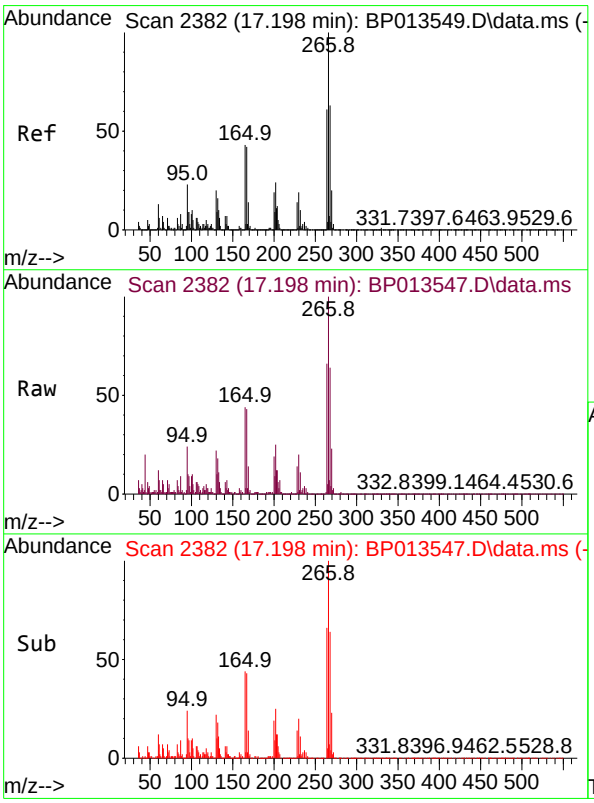
Tgt Ion:200 Resp: 12265

Ion	Ratio	Lower	Upper
200	100		
173	26.3	7.2	47.2
215	49.0	27.3	67.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

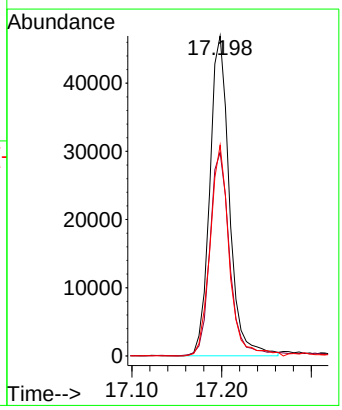


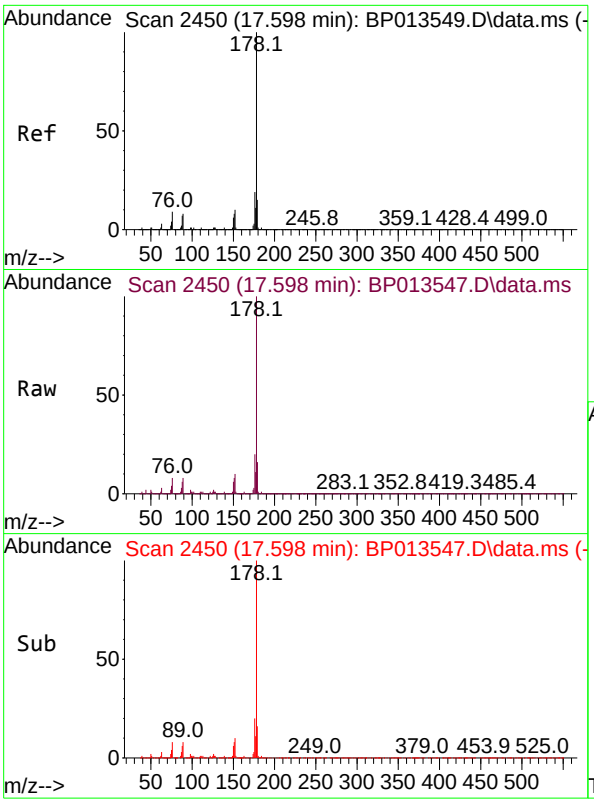


#70
Pentachlorophenol
Concen: 7.127 ng
RT: 17.198 min Scan# 2382
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:266 Resp: 71173

Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.7	76.1
264	65.8	48.9	73.3

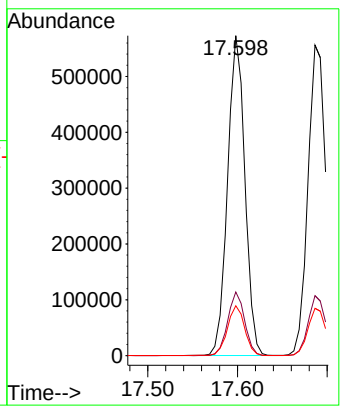




#71
Phenanthrene
Concen: 9.659 ng
RT: 17.598 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:178 Resp: 77016

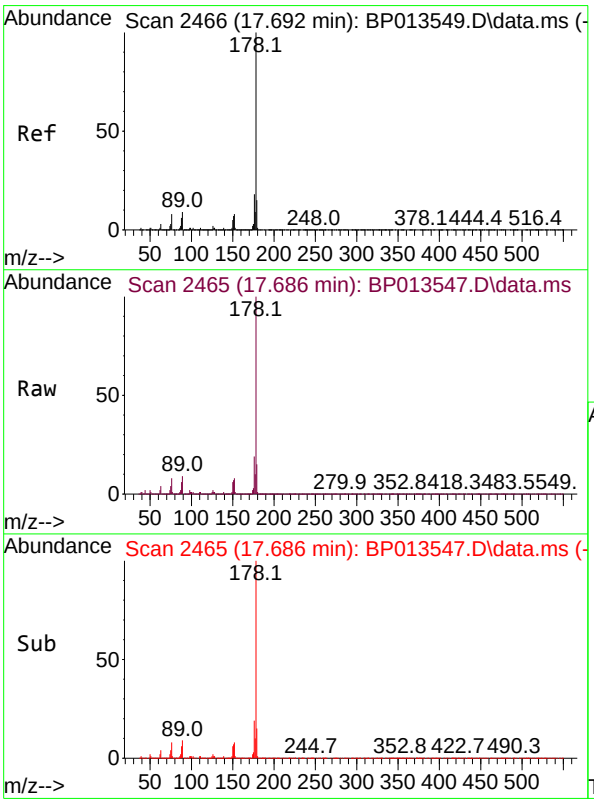
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	15.6	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

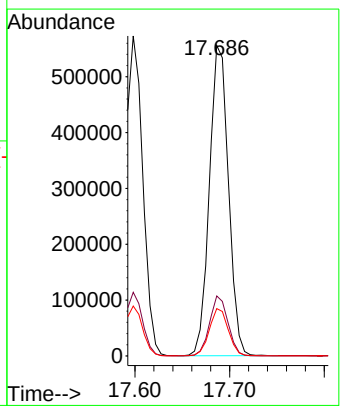
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

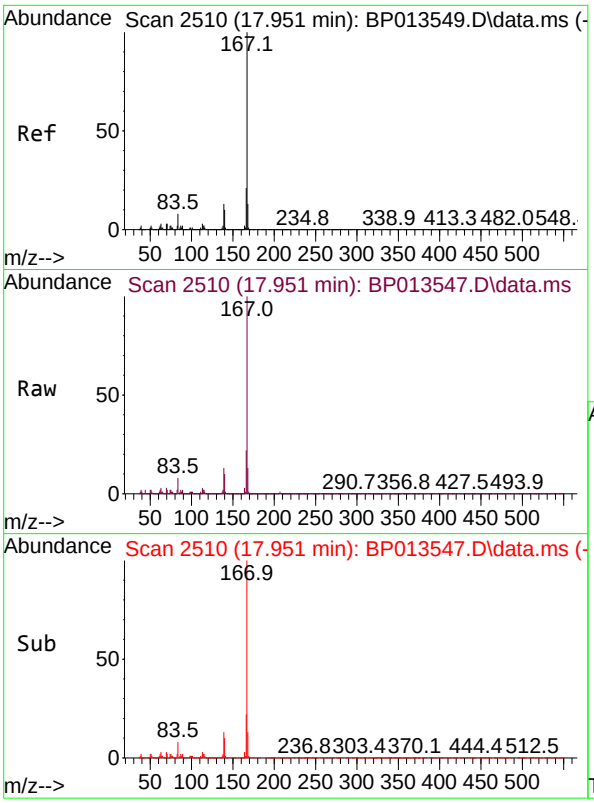


#72
Anthracene
Concen: 9.607 ng
RT: 17.686 min Scan# 2465
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:178 Resp: 777509

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.6	22.0
179	15.2	12.3	18.5

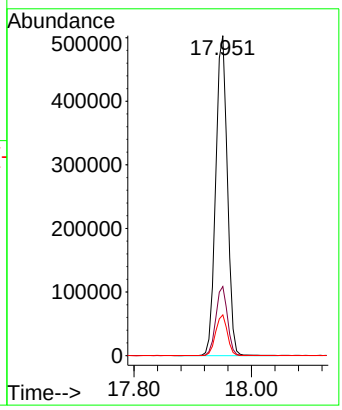




#73
Carbazole
Concen: 9.478 ng
RT: 17.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:167 Resp: 68935

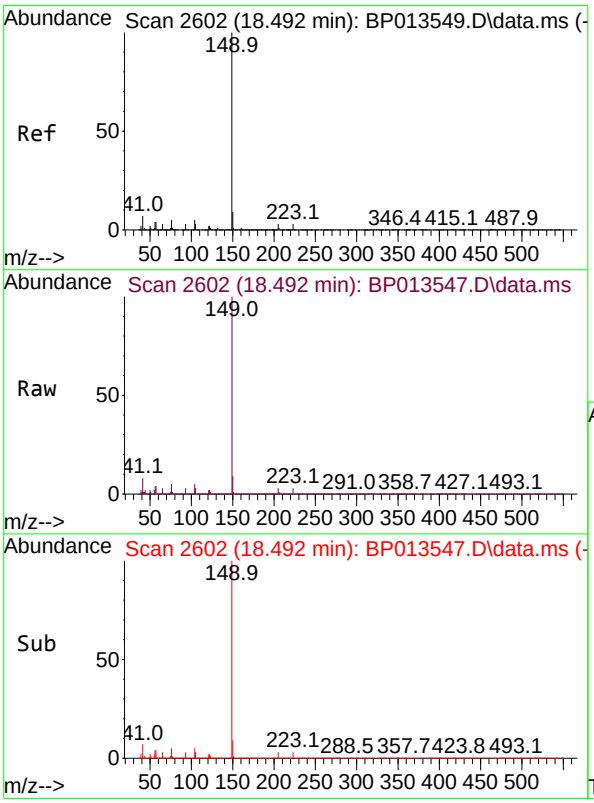
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.2	25.8
139	12.7	10.3	15.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

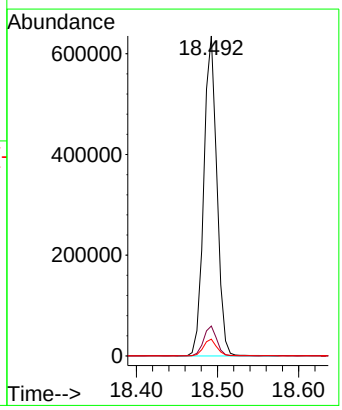
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

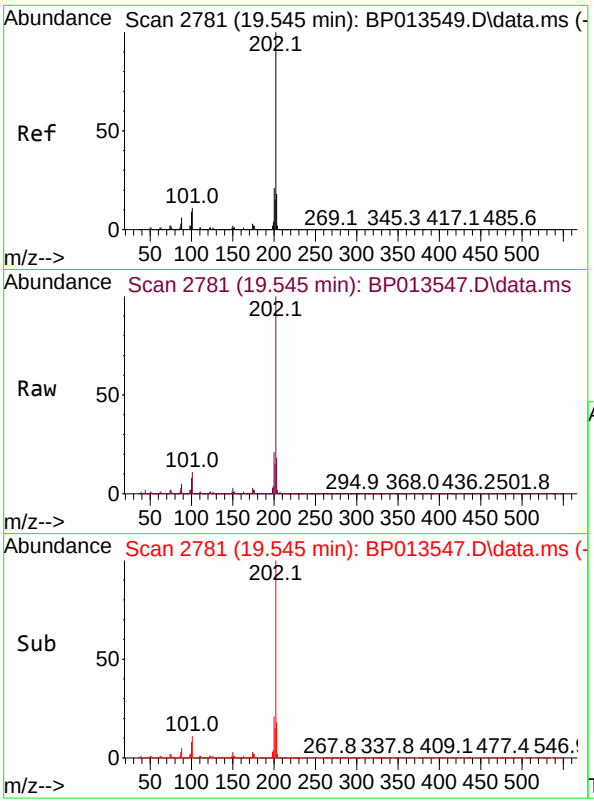


#74
Di-n-butylphthalate
Concen: 8.816 ng
RT: 18.492 min Scan# 2602
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:149 Resp: 713660

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.2	3.9	5.9

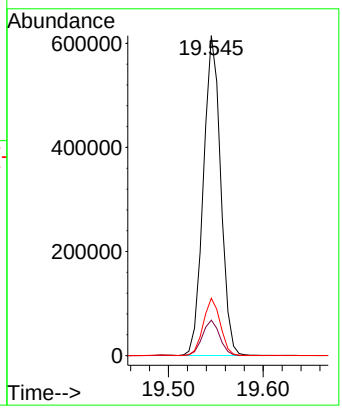




#75
Fluoranthene
Concen: 9.209 ng
RT: 19.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:202 Resp: 78091

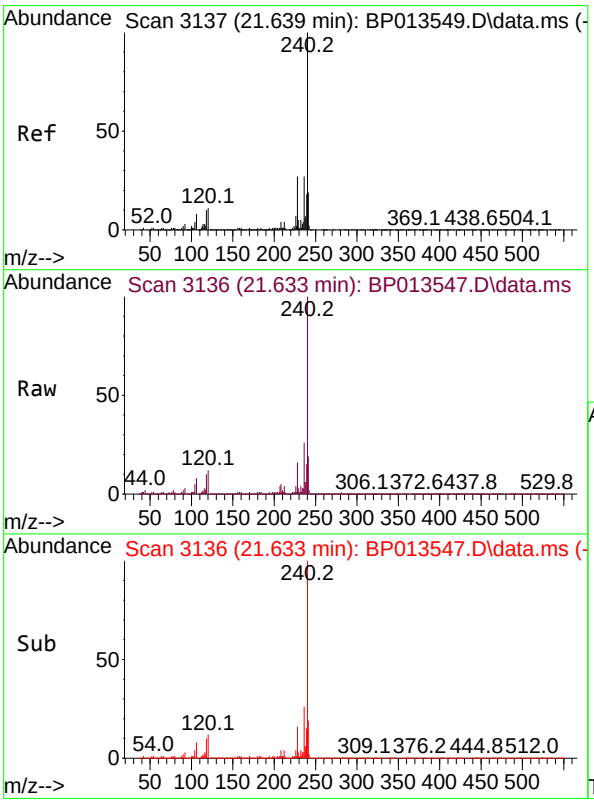
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.4
203	17.9	0.0	37.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

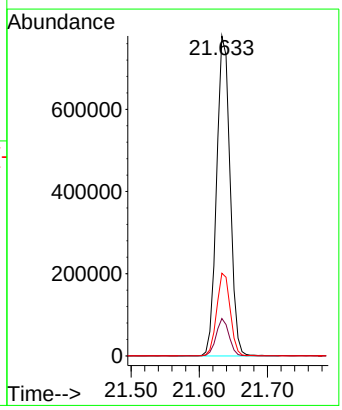
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

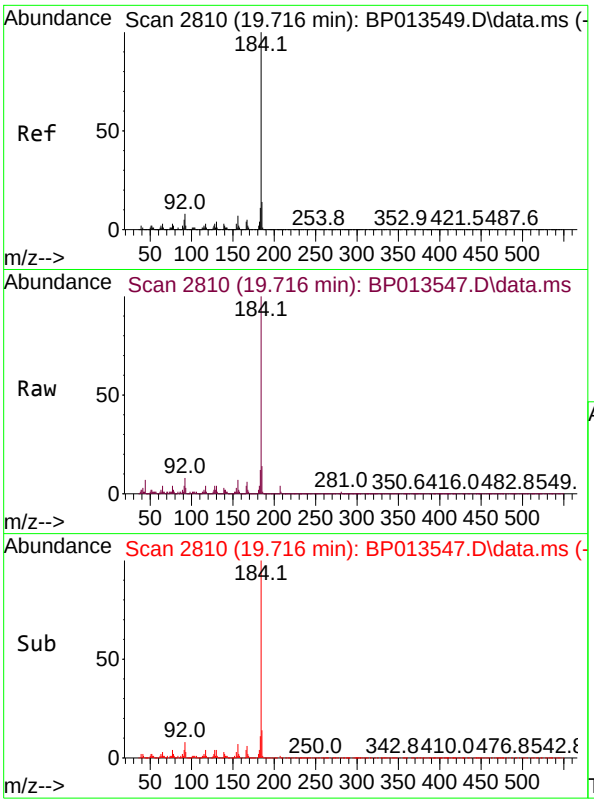


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3136
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:240 Resp: 1056785

Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.6	13.0
236	25.8	21.3	31.9

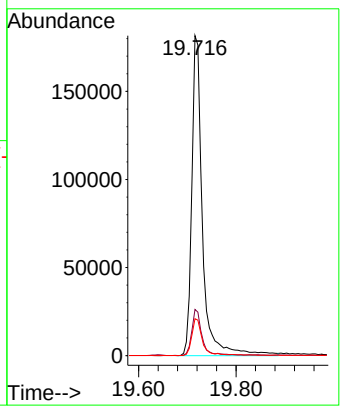




#77
Benzidine
Concen: 10.395 ng
RT: 19.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:184 Resp: 27629

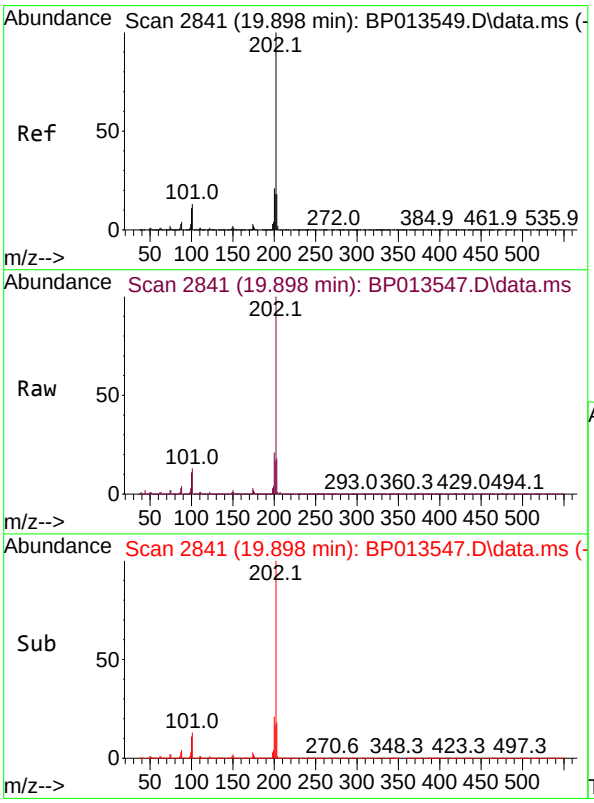
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.5	9.0	13.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

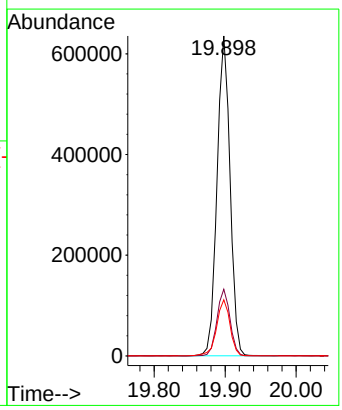
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

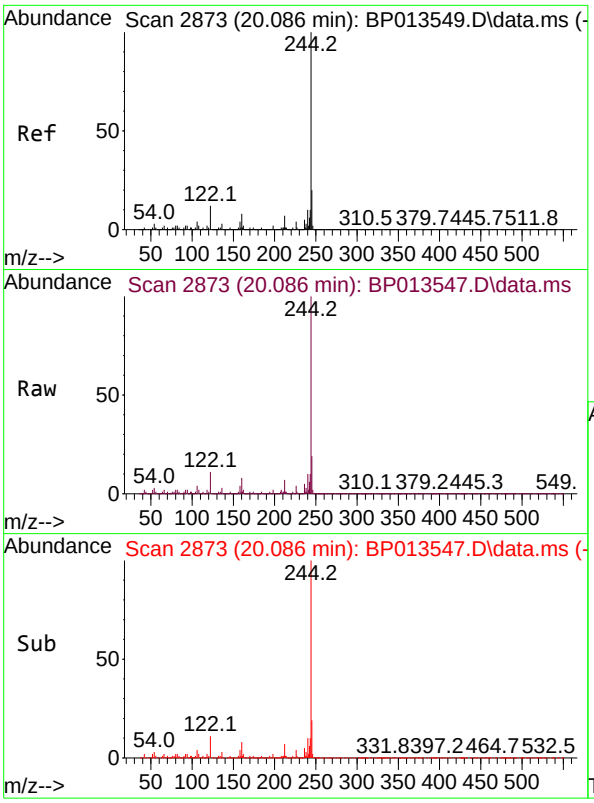


#78
Pyrene
Concen: 10.031 ng
RT: 19.898 min Scan# 2841
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:202 Resp: 810530

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.6
203	17.5	14.2	21.2

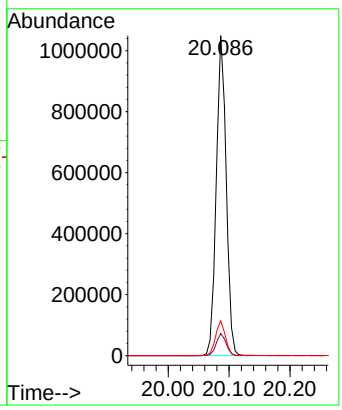




#79
Terphenyl-d14
Concen: 20.225 ng
RT: 20.086 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:244 Resp: 118810

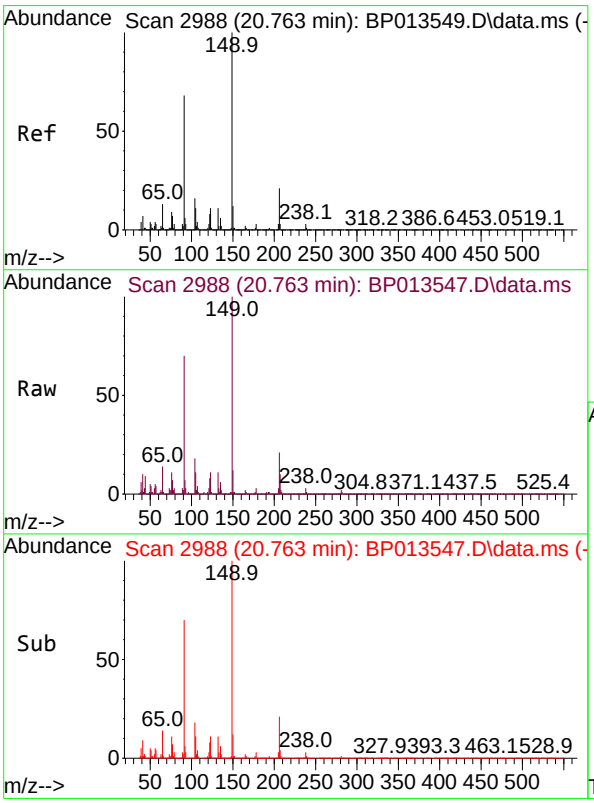
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	10.9	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

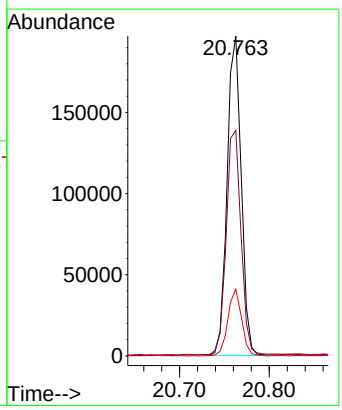
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

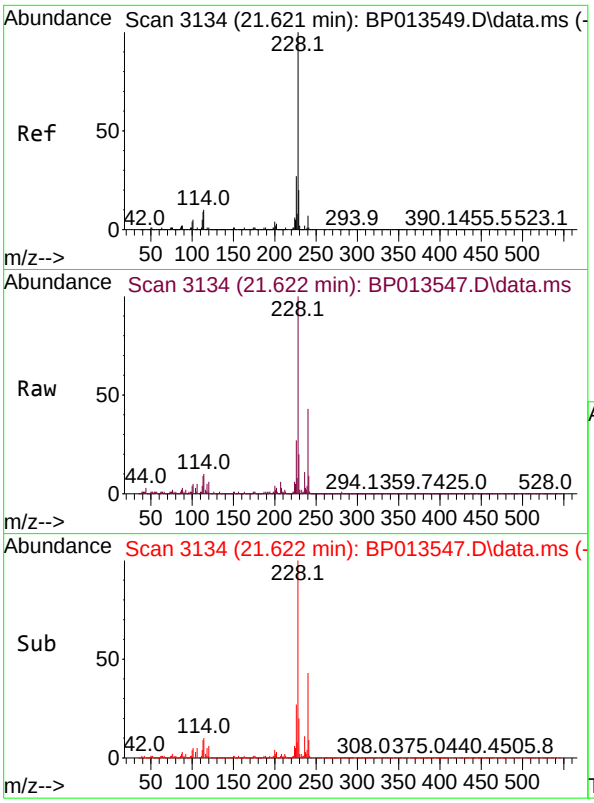


#80
Butylbenzylphthalate
Concen: 8.066 ng
RT: 20.763 min Scan# 2988
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:149 Resp: 215067

Ion	Ratio	Lower	Upper
149	100		
91	70.4	54.6	81.8
206	20.8	16.7	25.1

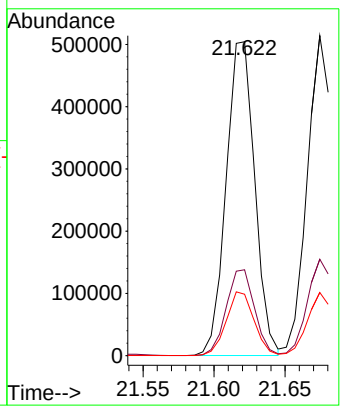




#81
Benzo(a)anthracene
Concen: 9.586 ng
RT: 21.622 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:228 Resp: 70574

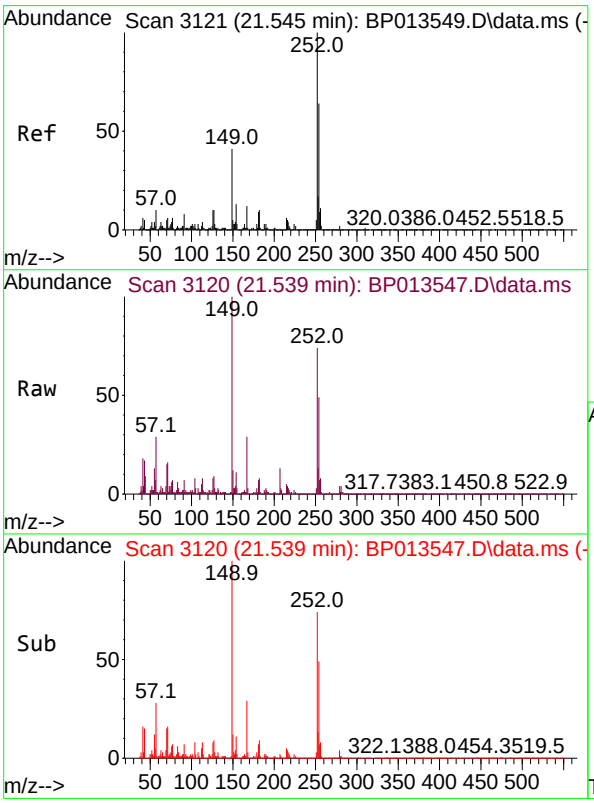
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.6	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

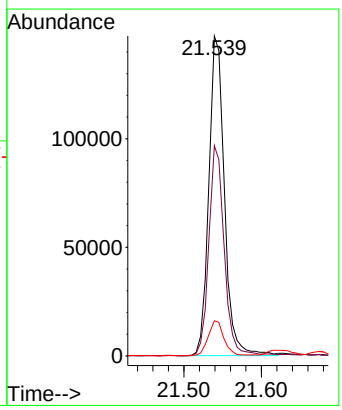
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

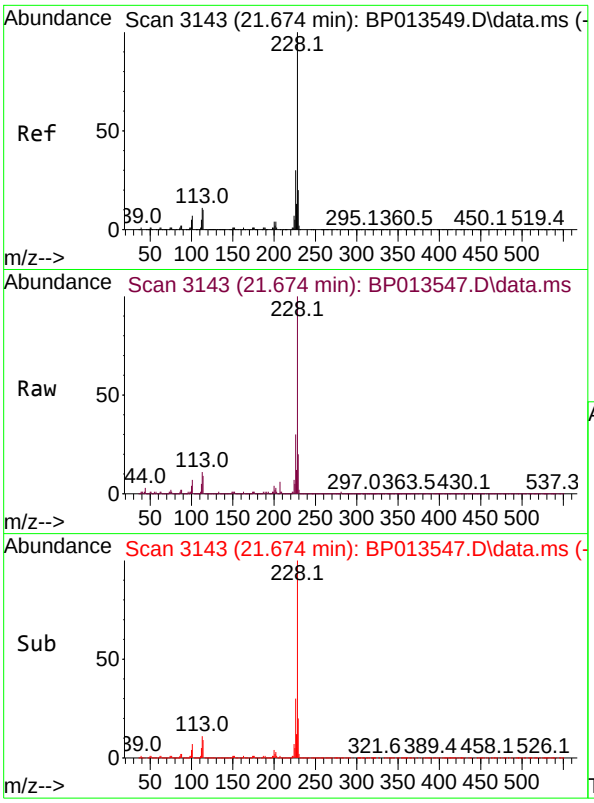


#82
3,3'-Dichlorobenzidine
Concen: 8.697 ng
RT: 21.539 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:252 Resp: 206292

Ion	Ratio	Lower	Upper
252	100		
254	65.7	51.4	77.0
126	11.0	8.3	12.5





#83
Chrysene
Concen: 9.708 ng
RT: 21.674 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

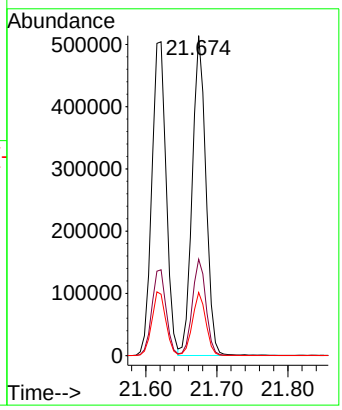
Tgt Ion:228 Resp: 68360

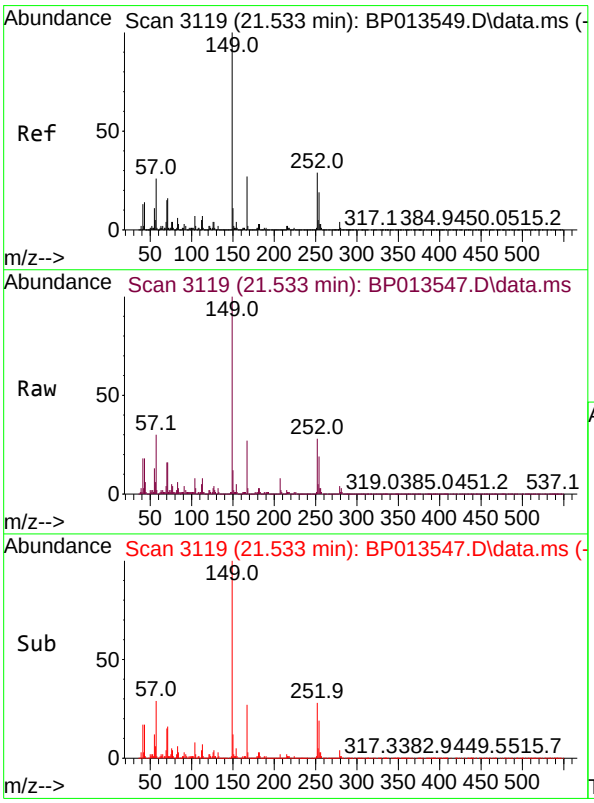
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.7	16.2	24.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

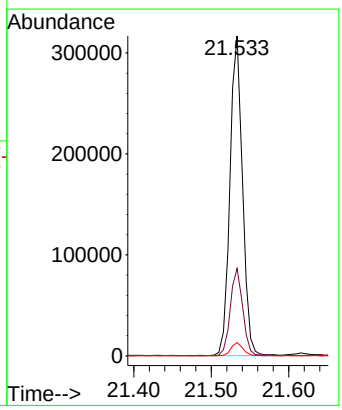


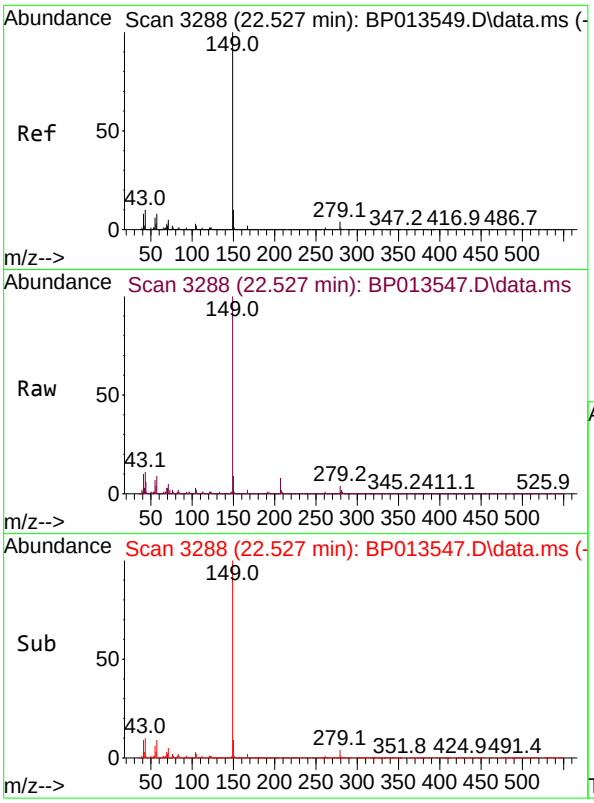


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.688 ng
RT: 21.533 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:149 Resp: 357723

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.0	33.0
279	4.2	3.5	5.3





#85
Di-n-octyl phthalate
Concen: 8.285 ng
RT: 22.527 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

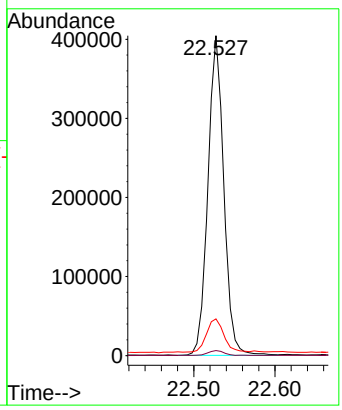
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

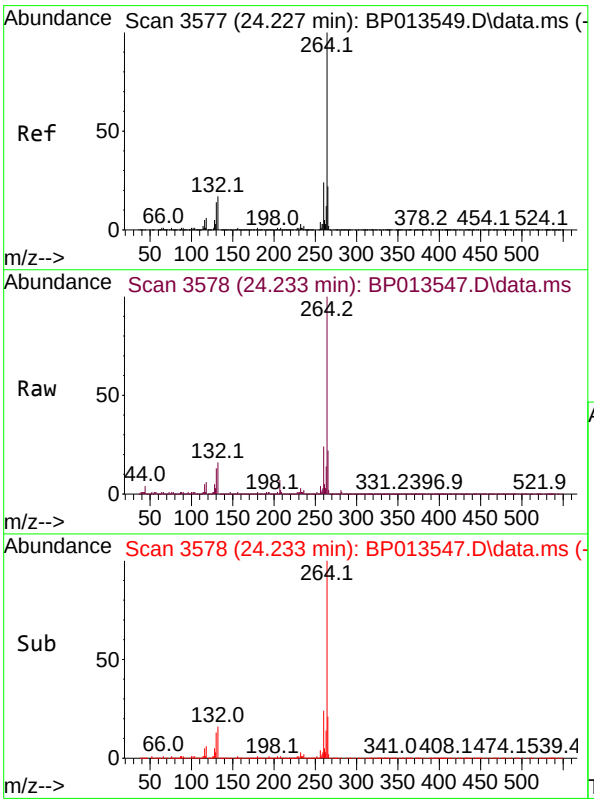
Tgt Ion:149 Resp: 55001

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	11.5	8.2	12.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

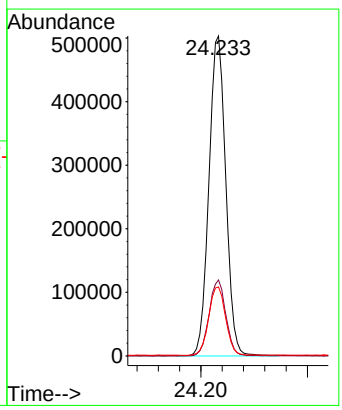


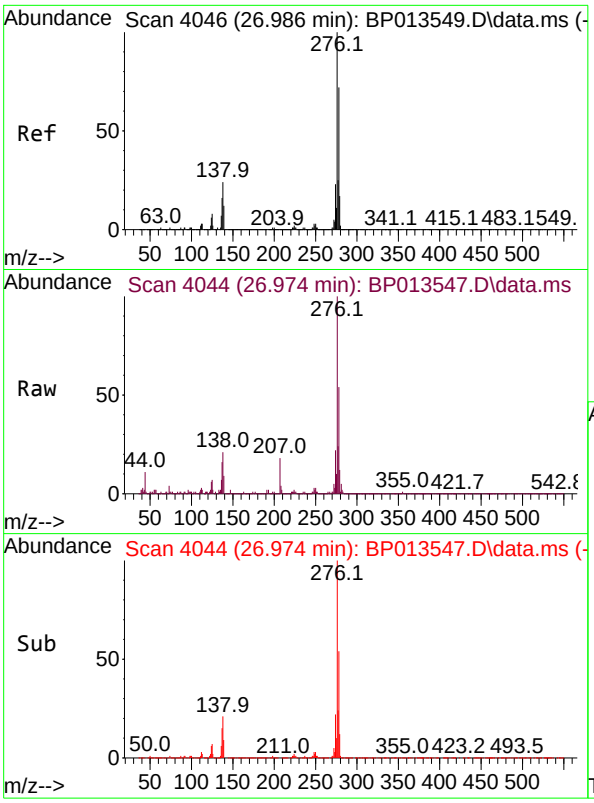


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.233 min Scan# 3578
Delta R.T. 0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:264 Resp: 1104363

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	21.5	17.4	26.2

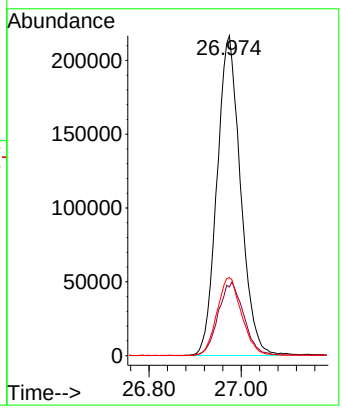




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.473 ng
RT: 26.974 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:276 Resp: 77058

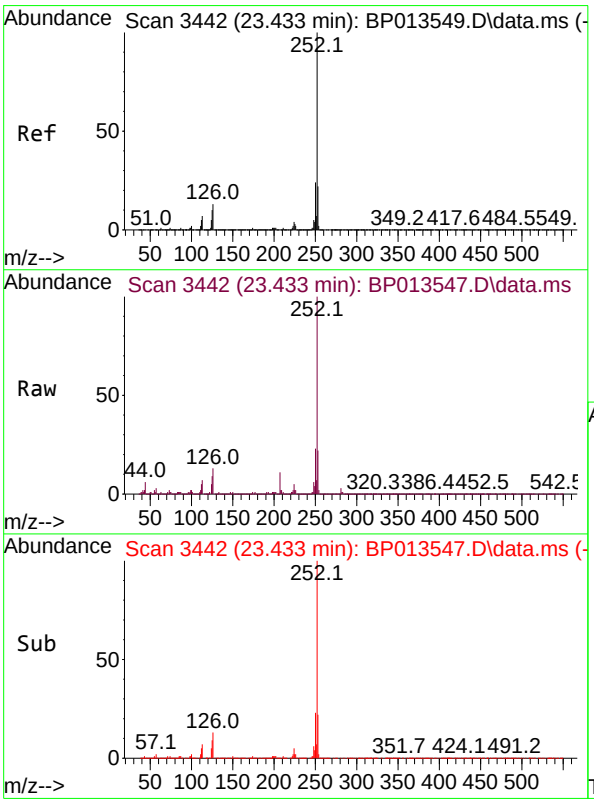
Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.8	29.6
277	25.5	20.2	30.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

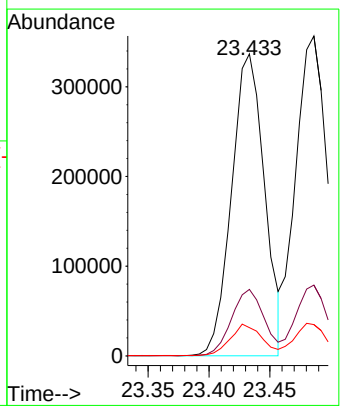
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

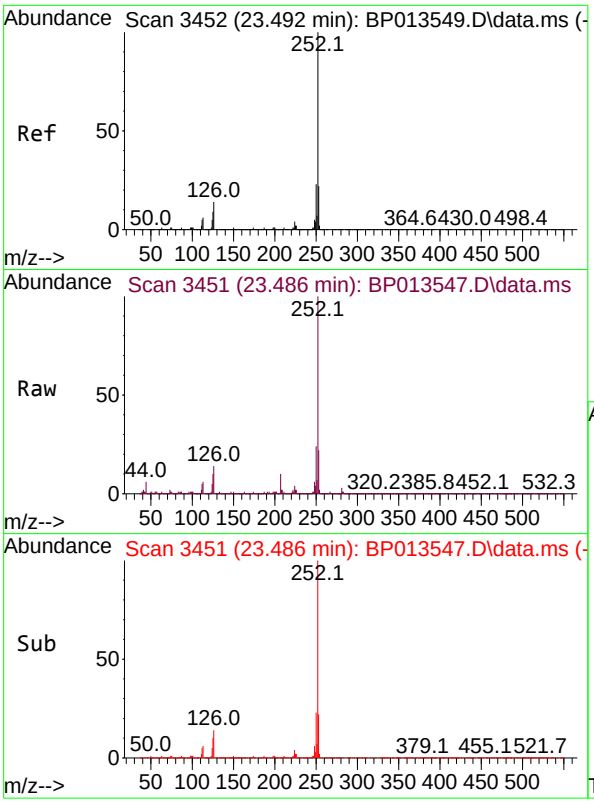


#88
Benzo(b)fluoranthene
Concen: 9.333 ng
RT: 23.433 min Scan# 3442
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:252 Resp: 634029

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.4	8.0	12.0

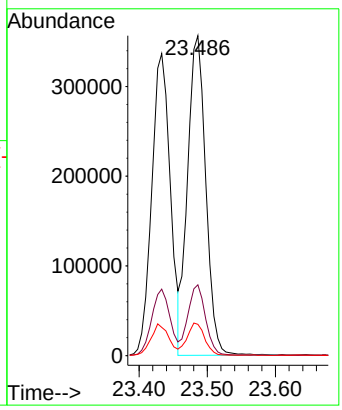




#89
Benzo(k)fluoranthene
Concen: 9.545 ng
RT: 23.486 min Scan# 34
Delta R.T. -0.006 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:252 Resp: 66138

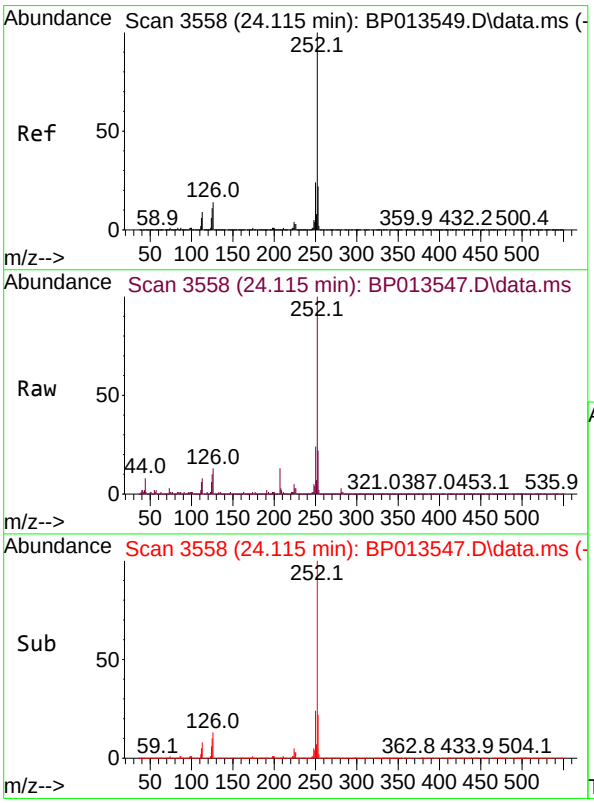
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.8	7.5	11.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

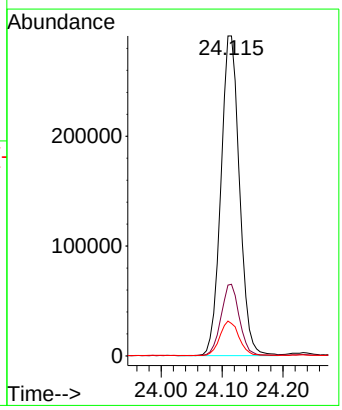
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

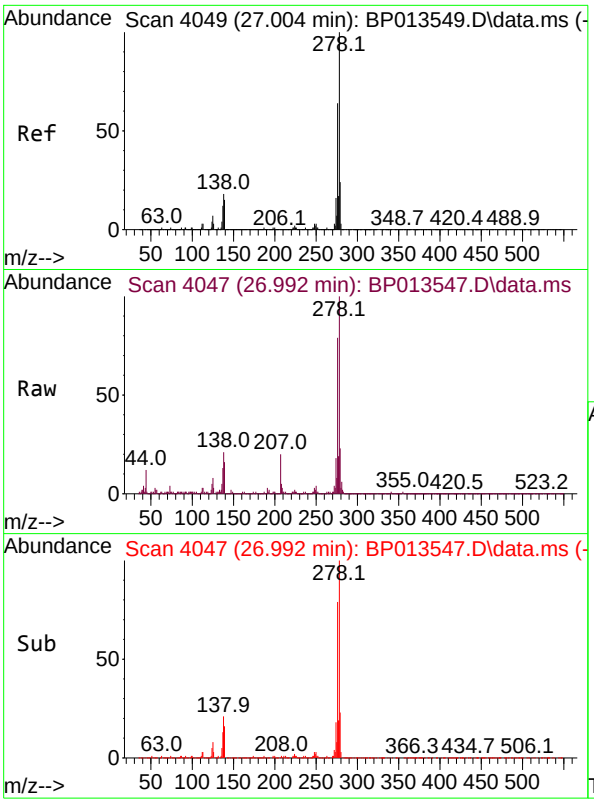


#90
Benzo(a)pyrene
Concen: 9.370 ng
RT: 24.115 min Scan# 3558
Delta R.T. 0.000 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:252 Resp: 617546

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	10.1	8.9	13.3

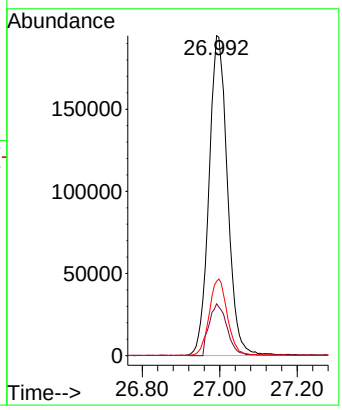




#91
Dibenzo(a,h)anthracene
Concen: 9.475 ng
RT: 26.992 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:278 Resp: 64647

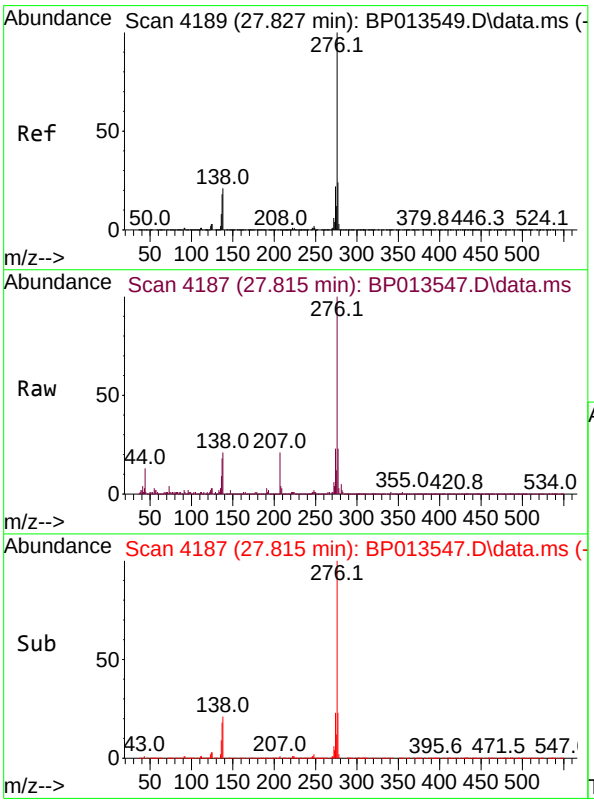
Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.3	18.5
279	23.2	19.0	28.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

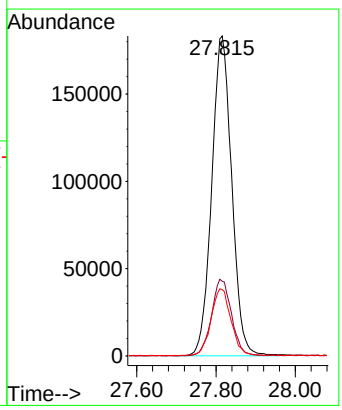
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



#92
Benzo(g,h,i)perylene
Concen: 7.886 ng
RT: 27.815 min Scan# 4187
Delta R.T. -0.012 min
Lab File: BP013547.D
Acq: 23 Jan 2023 12:34

Tgt Ion:276 Resp: 641478

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.6
138	20.7	16.6	25.0



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013548.D
Acq On : 23 Jan 2023 13:08
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Jan 24 03:04:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.163	152	310495	20.000	ng		0.00
21) Naphthalene-d8	10.999	136	1289531	20.000	ng		0.00
39) Acenaphthene-d10	14.804	164	765762	20.000	ng		0.00
64) Phenanthrene-d10	17.557	188	1482437	20.000	ng		0.00
76) Chrysene-d12	21.633	240	1062938	20.000	ng		0.00
86) Perylene-d12	24.233	264	1109780	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.687	112	724581	39.983	ng		0.00
7) Phenol-d6	7.305	99	985886	40.422	ng		0.00
23) Nitrobenzene-d5	9.334	82	765516	39.190	ng		0.00
42) 2,4,6-Tribromophenol	16.287	330	304633	38.157	ng		0.00
45) 2-Fluorobiphenyl	13.428	172	2247954	40.295	ng		0.00
79) Terphenyl-d14	20.086	244	2559411	43.317	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.534	88	148191	20.285	ng		98
3) Pyridine	3.940	79	420982	19.470	ng		99
4) n-Nitrosodimethylamine	3.852	42	200479	20.445	ng	#	97
6) Aniline	7.475	93	667222	20.364	ng		100
8) 2-Chlorophenol	7.722	128	407224	20.364	ng		100
9) Benzaldehyde	7.293	77	315072	23.832	ng		99
10) Phenol	7.328	94	512008	20.262	ng		99
11) bis(2-Chloroethyl)ether	7.575	93	421835	20.416	ng		99
12) 1,3-Dichlorobenzene	8.052	146	451468	20.415	ng		100
13) 1,4-Dichlorobenzene	8.199	146	453715	20.234	ng		99
14) 1,2-Dichlorobenzene	8.522	146	442139	20.364	ng		100
15) Benzyl Alcohol	8.399	79	352412	20.224	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.699	45	586266	20.694	ng		99
17) 2-Methylphenol	8.599	107	375801	20.478	ng		99
18) Hexachloroethane	9.263	117	150520	20.083	ng		99
19) n-Nitroso-di-n-propyla...	8.975	70	336670	21.431	ng		99
20) 3+4-Methylphenols	8.928	107	488803	20.236	ng		98
22) Acetophenone	8.993	105	670438	20.266	ng	#	98
24) Nitrobenzene	9.381	77	417316	19.870	ng		97
25) Isophorone	9.905	82	937764	20.240	ng		99
26) 2-Nitrophenol	10.099	139	109894	16.780	ng		99
27) 2,4-Dimethylphenol	10.146	122	402570	19.711	ng		98
28) bis(2-Chloroethoxy)met...	10.393	93	563840	20.194	ng		99
29) 2,4-Dichlorophenol	10.634	162	363440	19.755	ng		99
30) 1,2,4-Trichlorobenzene	10.857	180	417340	19.878	ng		98
31) Naphthalene	11.046	128	1389473	20.042	ng		99
32) Benzoic acid	10.240	122	136659	15.309	ng		99
33) 4-Chloroaniline	11.152	127	613471	19.999	ng		99
34) Hexachlorobutadiene	11.334	225	243095	19.897	ng		99
35) Caprolactam	11.910	113	117254	19.731	ng		96
36) 4-Chloro-3-methylphenol	12.252	107	405762	20.252	ng		98
37) 2-Methylnaphthalene	12.640	142	991061	20.112	ng		100
38) 1-Methylnaphthalene	12.857	142	936860	20.233	ng		98
40) 1,2,4,5-Tetrachloroben...	13.004	216	462647	19.624	ng		100
41) Hexachlorocyclopentadiene	12.987	237	193321	17.419	ng		97
43) 2,4,6-Trichlorophenol	13.234	196	268823	19.483	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013548.D
Acq On : 23 Jan 2023 13:08
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Jan 24 03:04:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.304	196	318128	19.511	ng		100
46) 1,1'-Biphenyl	13.640	154	1222446	19.877	ng		100
47) 2-Chloronaphthalene	13.681	162	919670	19.961	ng		100
48) 2-Nitroaniline	13.875	65	162900	17.671	ng		99
49) Acenaphthylene	14.528	152	1510172	20.043	ng		99
50) Dimethylphthalate	14.251	163	1138352	19.998	ng		100
51) 2,6-Dinitrotoluene	14.369	165	178646	19.437	ng		99
52) Acenaphthene	14.863	154	919035	19.746	ng		99
53) 3-Nitroaniline	14.693	138	198963	18.881	ng	#	95
54) 2,4-Dinitrophenol	14.898	184	38672	13.807	ng		97
55) Dibenzofuran	15.198	168	1426506	19.987	ng		100
56) 4-Nitrophenol	14.987	139	149577	17.401	ng		98
57) 2,4-Dinitrotoluene	15.151	165	201021	18.192	ng		99
58) Fluorene	15.851	166	1151233	20.294	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.416	232	243570	19.455	ng		100
60) Diethylphthalate	15.610	149	1117789	20.105	ng		99
61) 4-Chlorophenyl-phenyle...	15.840	204	560550	20.096	ng		99
62) 4-Nitroaniline	15.857	138	204332	19.005	ng		94
63) Azobenzene	16.134	77	1096745	20.301	ng		99
65) 4,6-Dinitro-2-methylph...	15.910	198	59559	13.902	ng		95
66) n-Nitrosodiphenylamine	16.051	169	983168	20.337	ng		98
67) 4-Bromophenyl-phenylether	16.740	248	325519	19.823	ng		99
68) Hexachlorobenzene	16.857	284	351590	19.822	ng		99
69) Atrazine	16.998	200	279574	20.212	ng		99
70) Pentachlorophenol	17.198	266	188500	18.247	ng		99
71) Phenanthrene	17.598	178	1646406	19.961	ng		100
72) Anthracene	17.687	178	1677461	20.038	ng		99
73) Carbazole	17.951	167	1483276	19.716	ng		99
74) Di-n-butylphthalate	18.492	149	1653769	19.751	ng		100
75) Fluoranthene	19.545	202	1680928	19.164	ng		100
77) Benzidine	19.716	184	534092	19.978	ng		99
78) Pyrene	19.898	202	1738516	21.390	ng		99
80) Butylbenzylphthalate	20.763	149	517872	19.310	ng		99
81) Benzo(a)anthracene	21.622	228	1475726	19.929	ng		99
82) 3,3'-Dichlorobenzidine	21.539	252	466122	19.536	ng		99
83) Chrysene	21.675	228	1427169	20.150	ng		100
84) Bis(2-ethylhexyl)phtha...	21.533	149	798437	19.279	ng		100
85) Di-n-octyl phthalate	22.527	149	1216262	18.216	ng		98
87) Indeno(1,2,3-cd)pyrene	26.974	276	1643812	20.109	ng		100
88) Benzo(b)fluoranthene	23.433	252	1330945	19.495	ng		100
89) Benzo(k)fluoranthene	23.486	252	1387146	19.921	ng		99
90) Benzo(a)pyrene	24.116	252	1306496	19.728	ng		99
91) Dibenzo(a,h)anthracene	27.004	278	1375881	20.067	ng		100
92) Benzo(g,h,i)perylene	27.815	276	1352598	16.547	ng		100

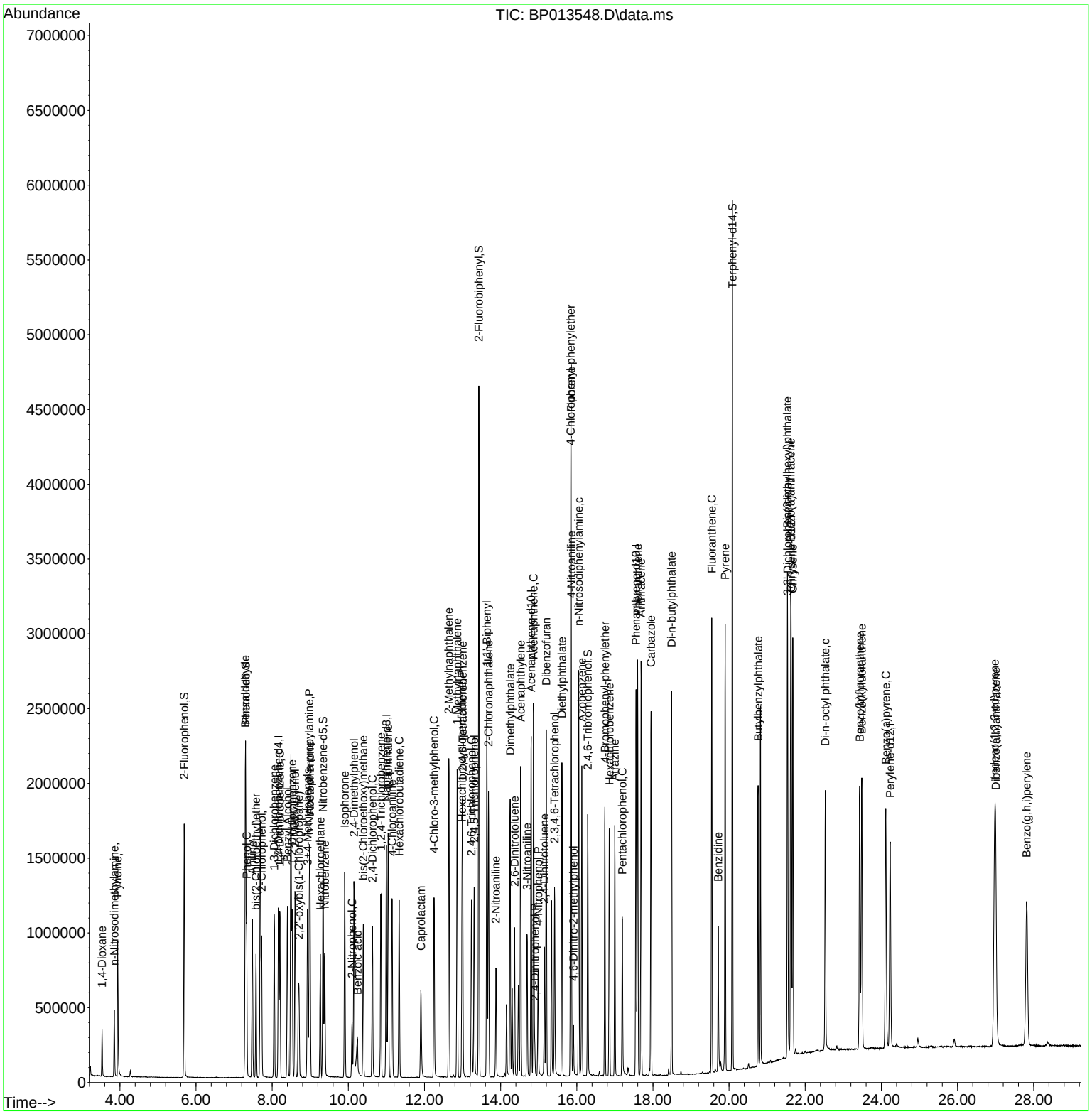
(#) = qualifier out of range (m) = manual integration (+) = signals summed

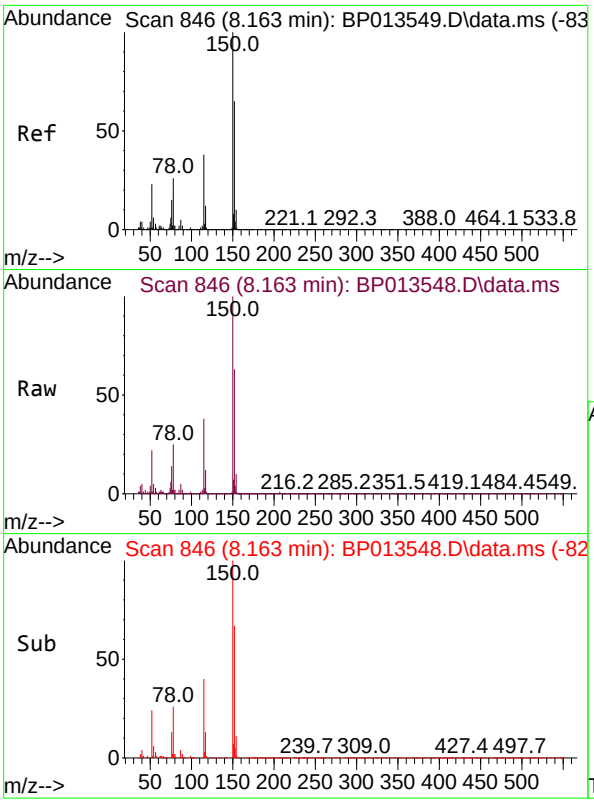
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013548.D
Acq On : 23 Jan 2023 13:08
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Jan 24 03:04:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration



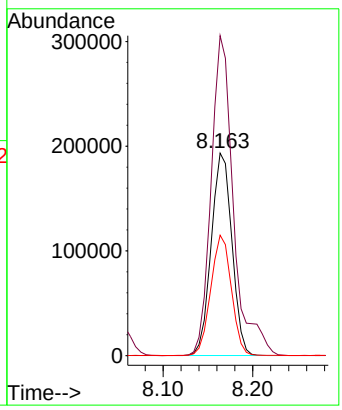


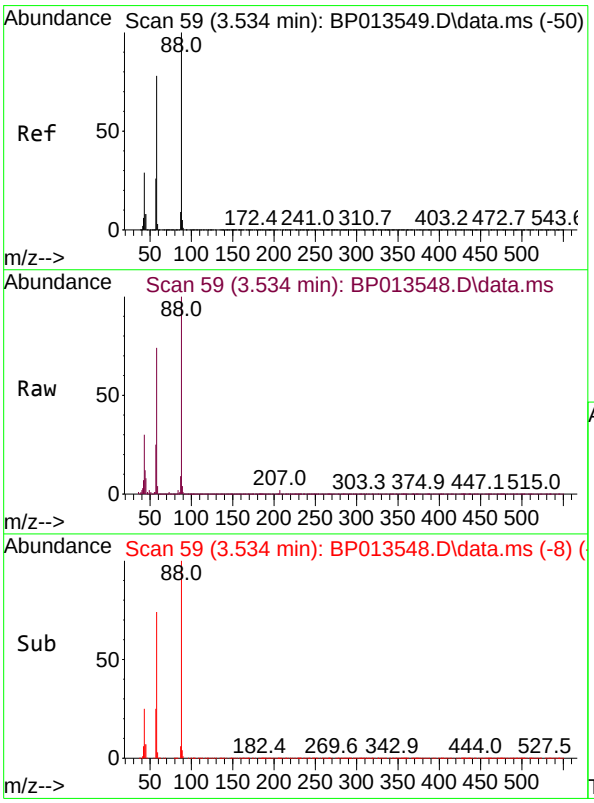
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.163 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 310495

Ion	Ratio	Lower	Upper
152	100		
150	158.0	122.4	183.6
115	59.5	46.1	69.1

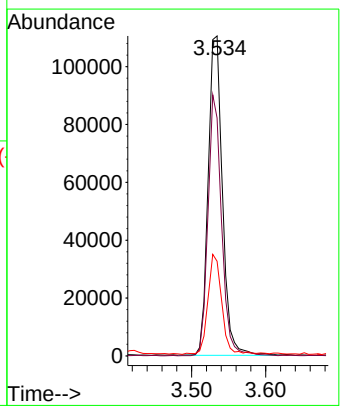


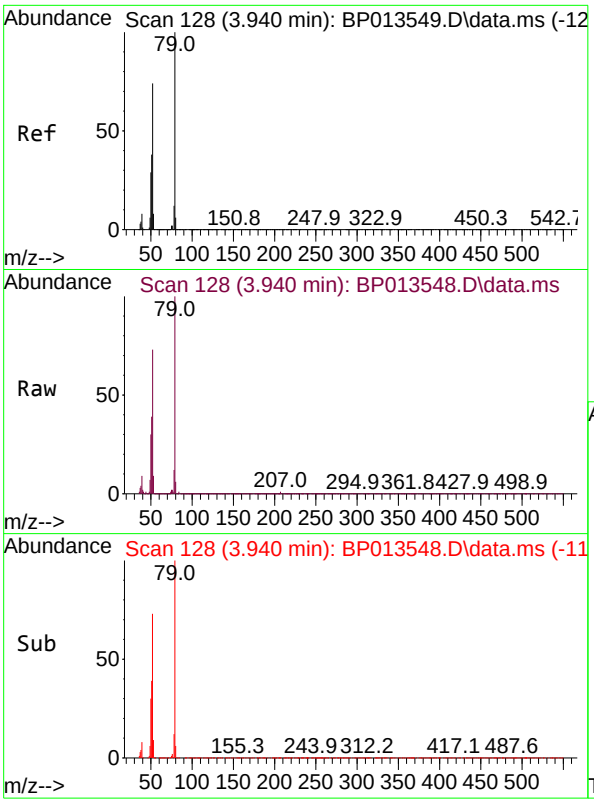


#2
1,4-Dioxane
Concen: 20.285 ng
RT: 3.534 min Scan# 59
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion: 88 Resp: 148191

Ion	Ratio	Lower	Upper
88	100		
58	77.6	63.6	95.4
43	30.3	24.2	36.2



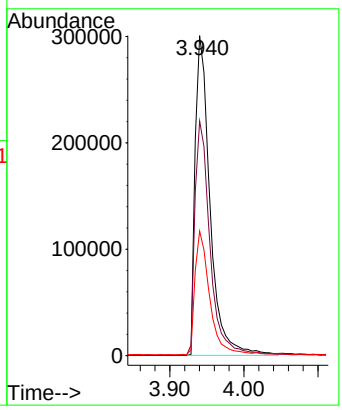


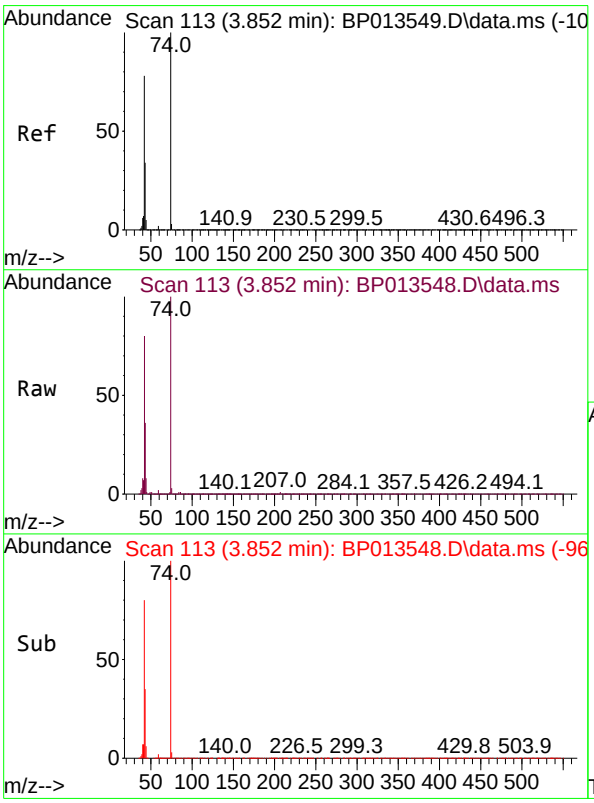
#3
Pyridine
Concen: 19.470 ng
RT: 3.940 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 420982

Ion	Ratio	Lower	Upper
79	100		
52	73.3	59.4	89.2
51	38.9	30.6	45.8

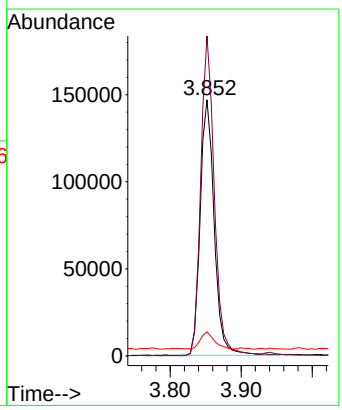


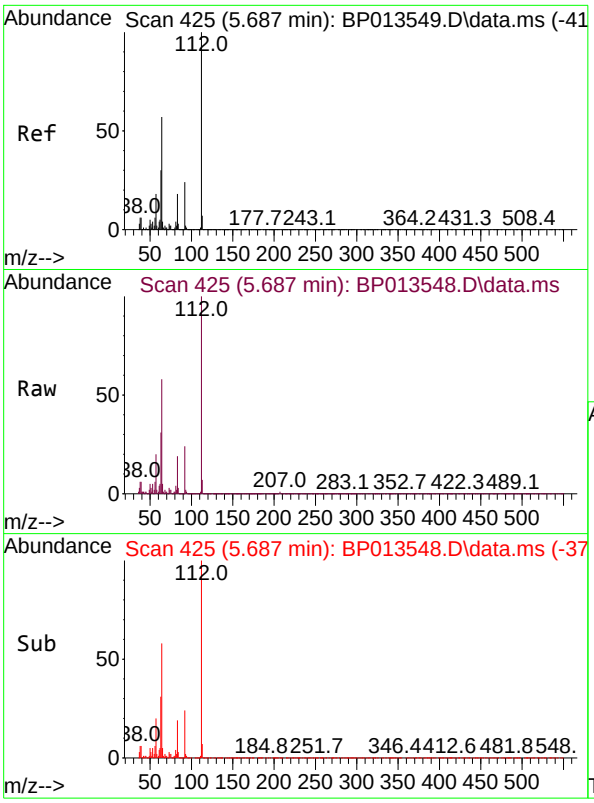


#4
n-Nitrosodimethylamine
Concen: 20.445 ng
RT: 3.852 min Scan# 113
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion: 42 Resp: 200479

Ion	Ratio	Lower	Upper
42	100		
74	125.0	102.3	153.5
44	9.4	6.2	9.2#



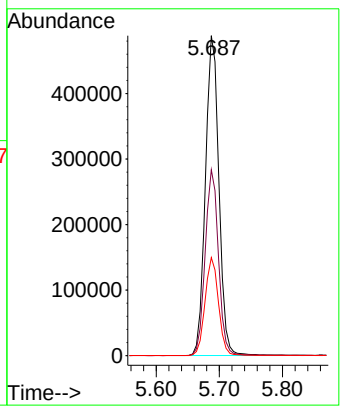


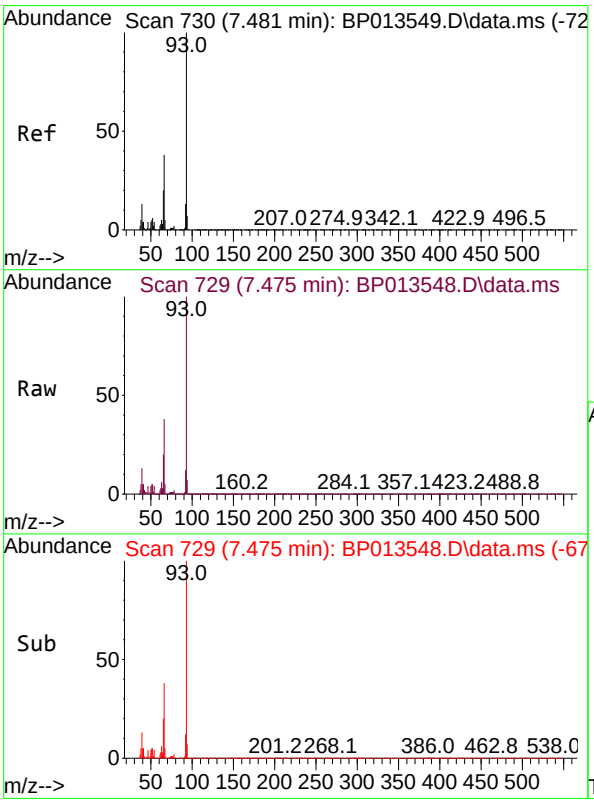
#5
2-Fluorophenol
Concen: 39.983 ng
RT: 5.687 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 724581

Ion	Ratio	Lower	Upper
112	100		
64	58.1	45.4	68.0
63	30.6	24.1	36.1

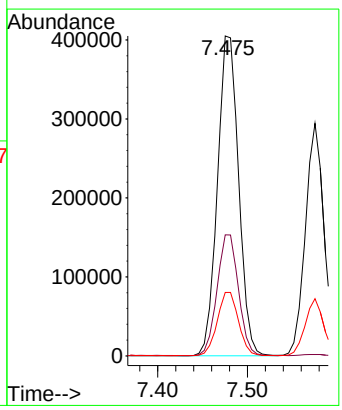


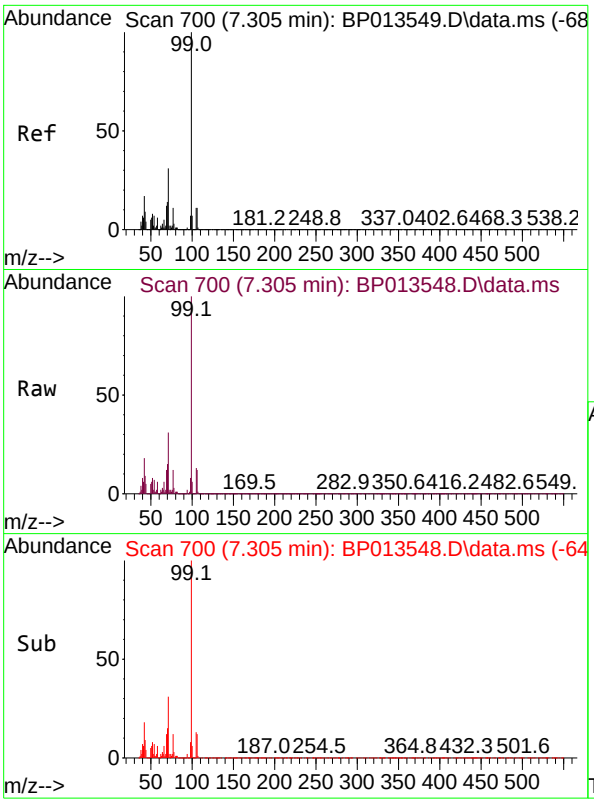


#6
Aniline
Concen: 20.364 ng
RT: 7.475 min Scan# 729
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion: 93 Resp: 667222

Ion	Ratio	Lower	Upper
93	100		
66	37.8	30.3	45.5
65	19.8	15.9	23.9



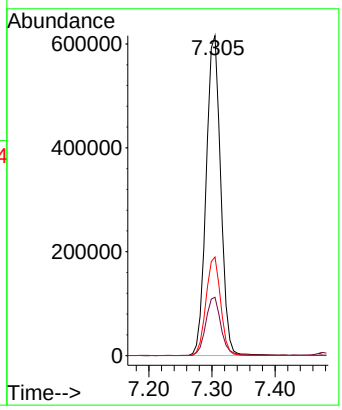


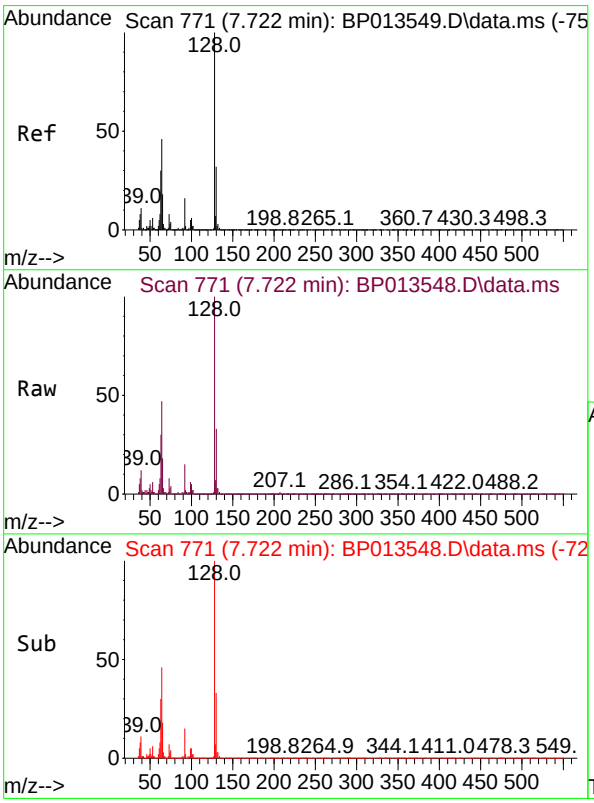
#7
Phenol-d6
Concen: 40.422 ng
RT: 7.305 min Scan# 70
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 985886

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.0	21.0
71	30.8	24.7	37.1

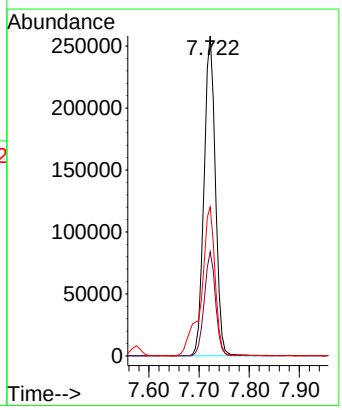


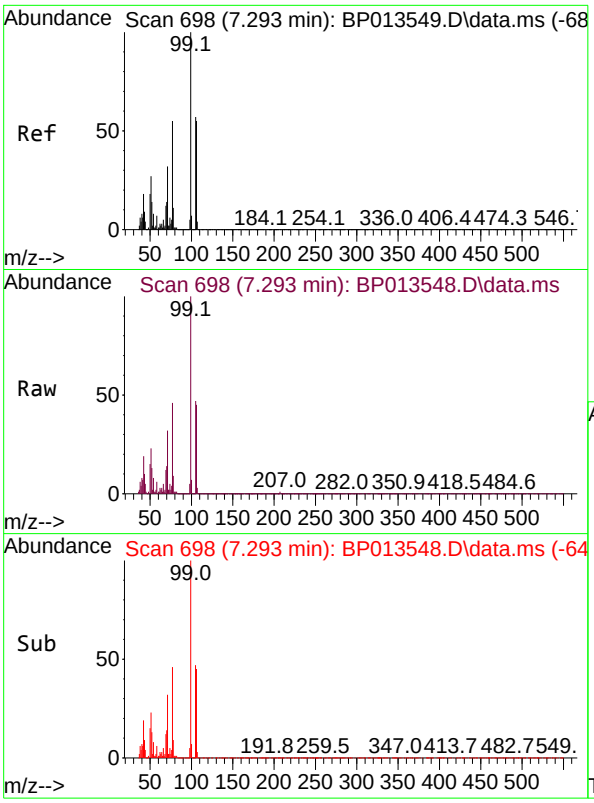


#8
2-Chlorophenol
Concen: 20.364 ng
RT: 7.722 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:128 Resp: 407224

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.4	52.4
64	46.5	26.2	66.2



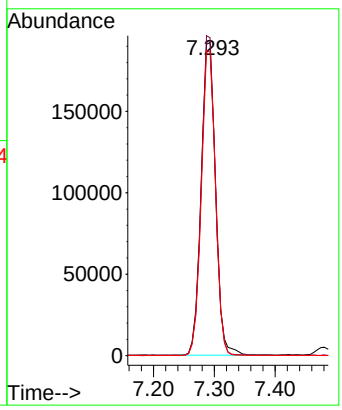


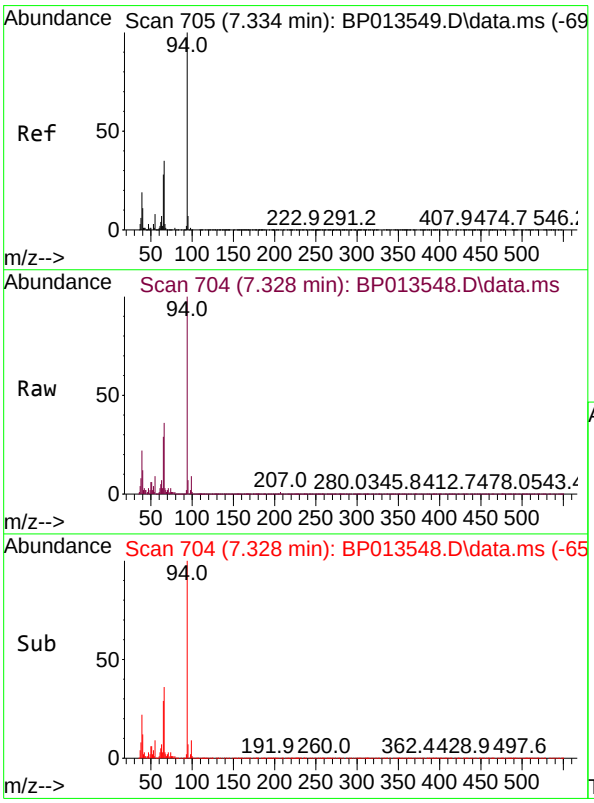
#9
Benzaldehyde
Concen: 23.832 ng
RT: 7.293 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 315072

Ion	Ratio	Lower	Upper
77	100		
105	101.5	82.6	122.6
106	97.0	78.9	118.9

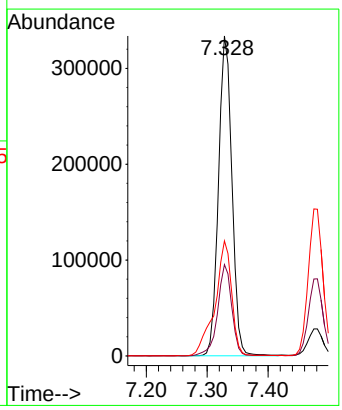


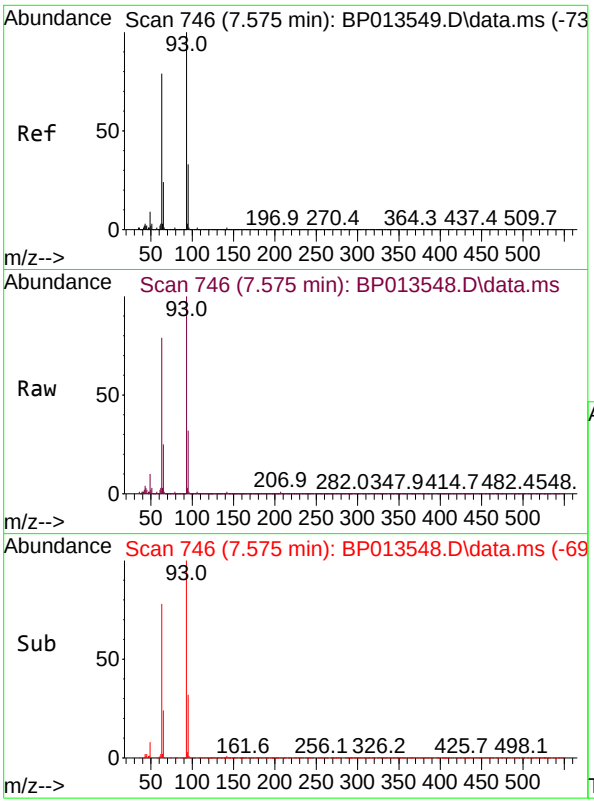


#10
Phenol
Concen: 20.262 ng
RT: 7.328 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion: 94 Resp: 512008

Ion	Ratio	Lower	Upper
94	100		
65	28.5	7.8	47.8
66	35.9	15.5	55.5



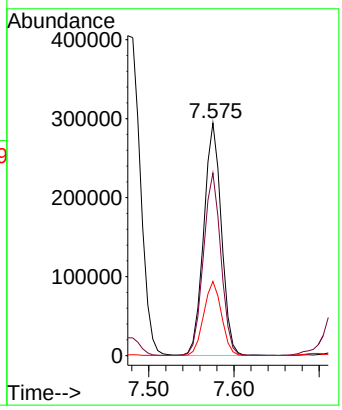


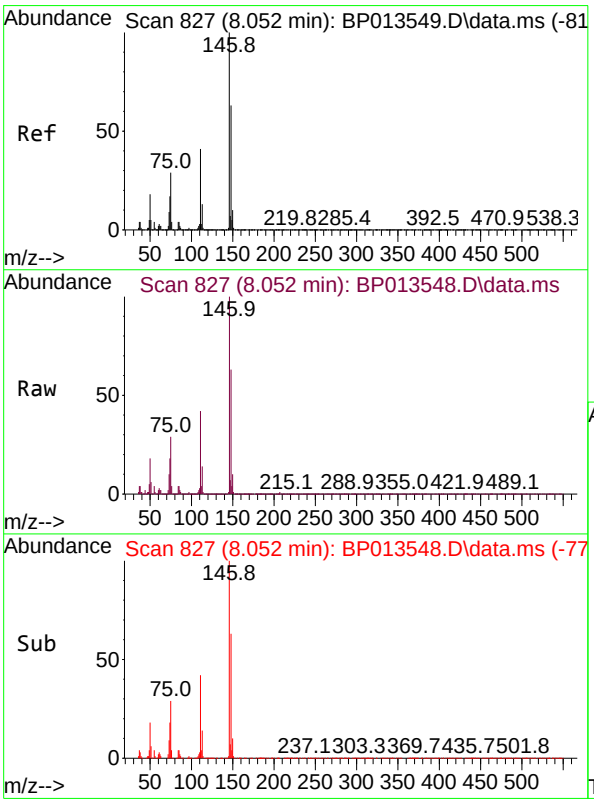
#11
bis(2-Chloroethyl)ether
Concen: 20.416 ng
RT: 7.575 min Scan# 74
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 421835

Ion	Ratio	Lower	Upper
93	100		
63	78.5	58.7	98.7
95	31.9	12.8	52.8

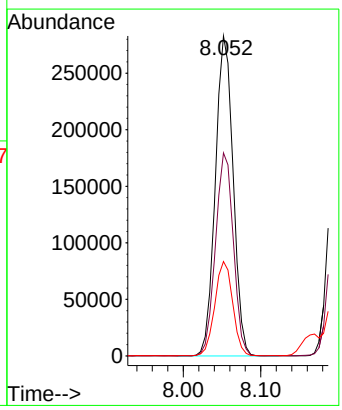


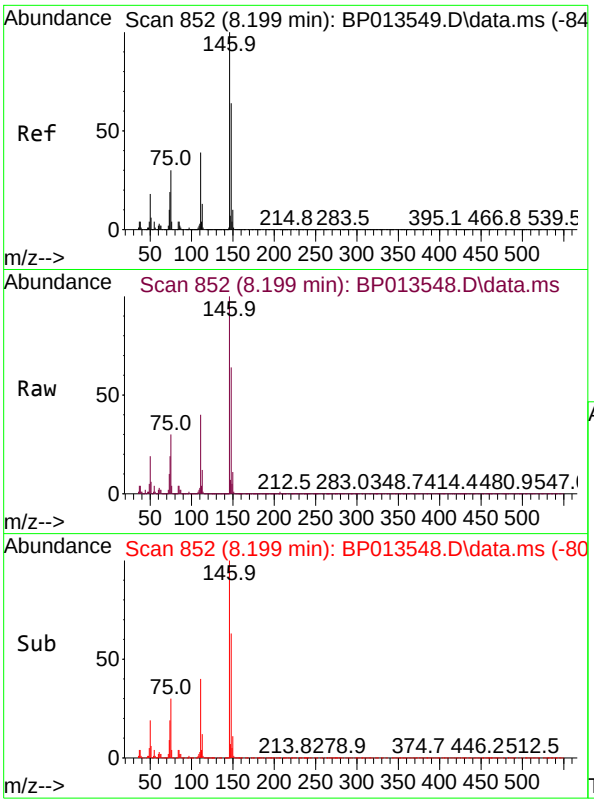


#12
1,3-Dichlorobenzene
Concen: 20.415 ng
RT: 8.052 min Scan# 827
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:146 Resp: 451468

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.7	76.1
75	29.5	23.4	35.2



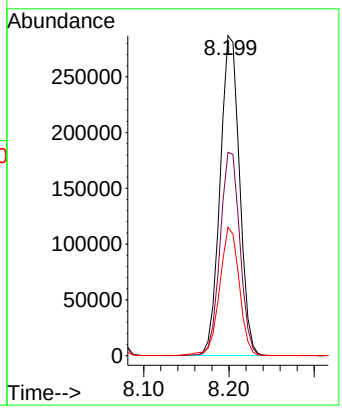


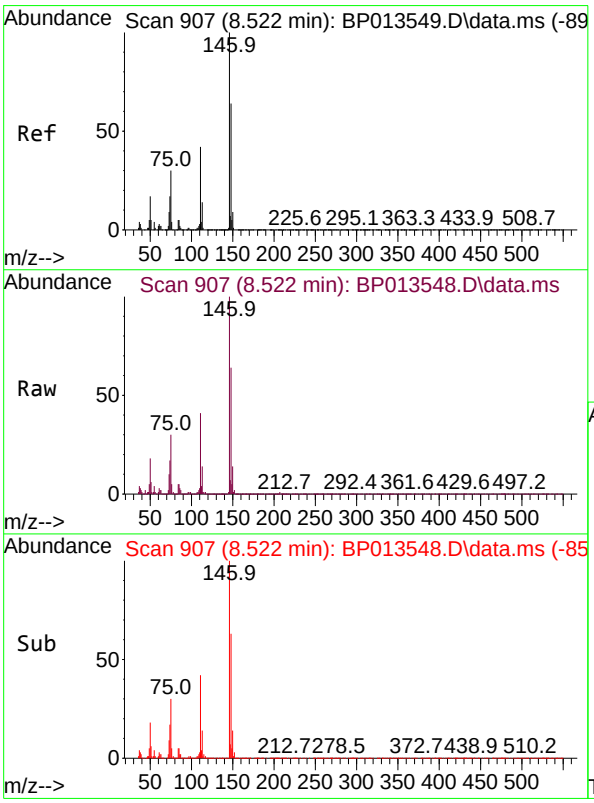
#13
1,4-Dichlorobenzene
Concen: 20.234 ng
RT: 8.199 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 453715

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.4	77.0
111	40.1	31.4	47.2

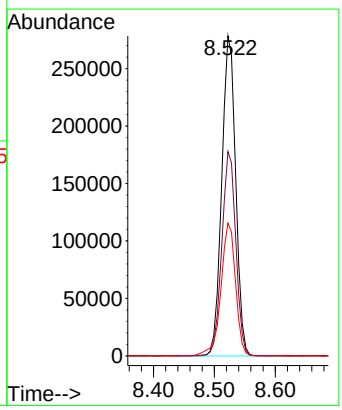


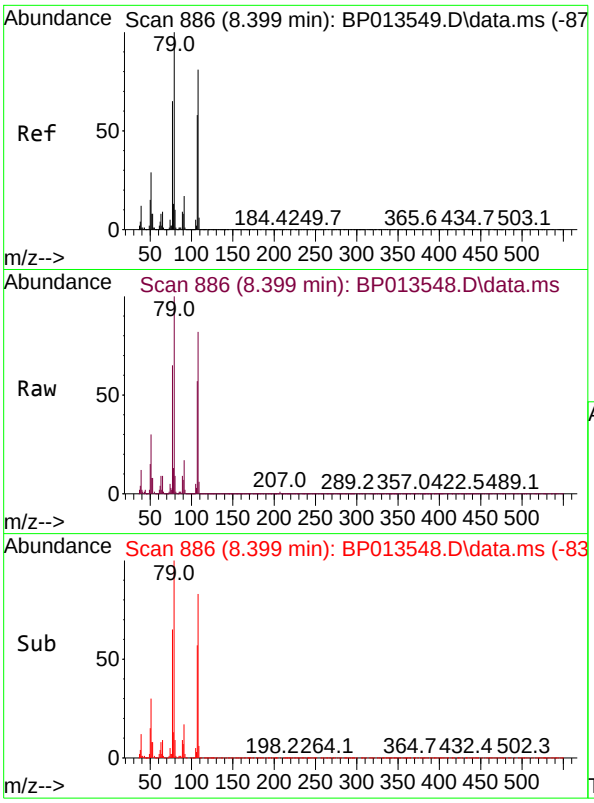


#14
1,2-Dichlorobenzene
Concen: 20.364 ng
RT: 8.522 min Scan# 907
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:146 Resp: 442139

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.8	76.2
111	41.5	33.4	50.2



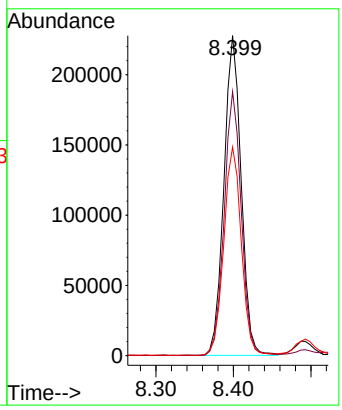


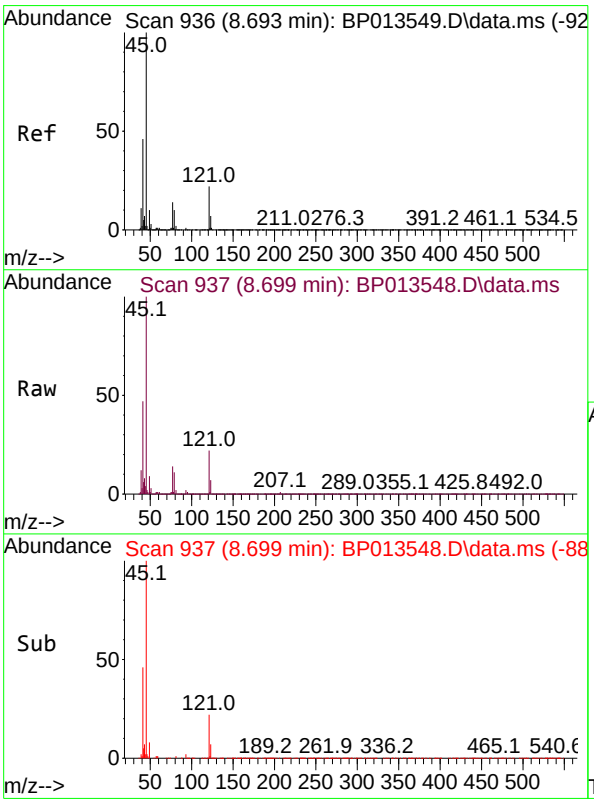
#15
Benzyl Alcohol
Concen: 20.224 ng
RT: 8.399 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 352412

Ion	Ratio	Lower	Upper
79	100		
108	82.5	65.2	97.8
77	65.2	52.3	78.5

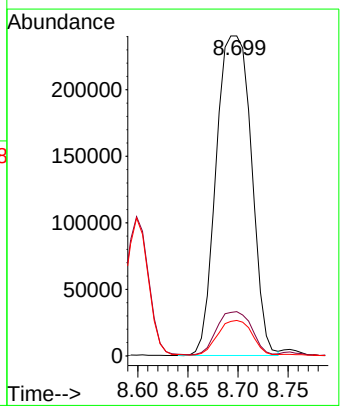


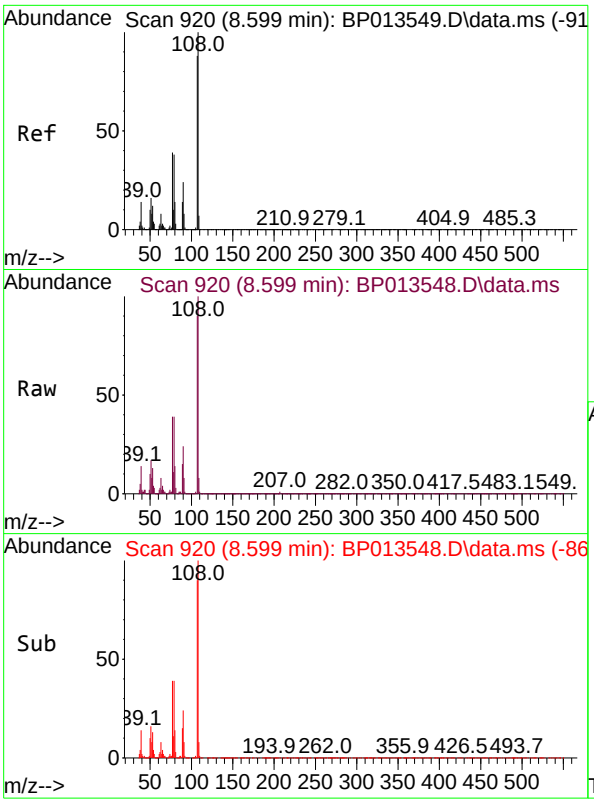


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.694 ng
RT: 8.699 min Scan# 937
Delta R.T. 0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion: 45 Resp: 586266

Ion	Ratio	Lower	Upper
45	100		
77	13.8	0.0	34.2
79	11.1	0.0	30.4



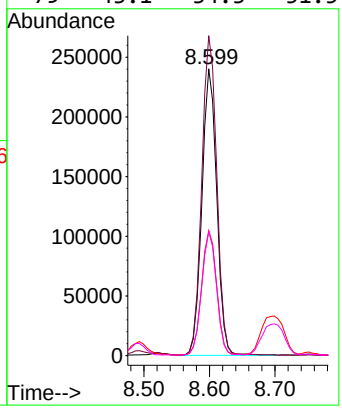


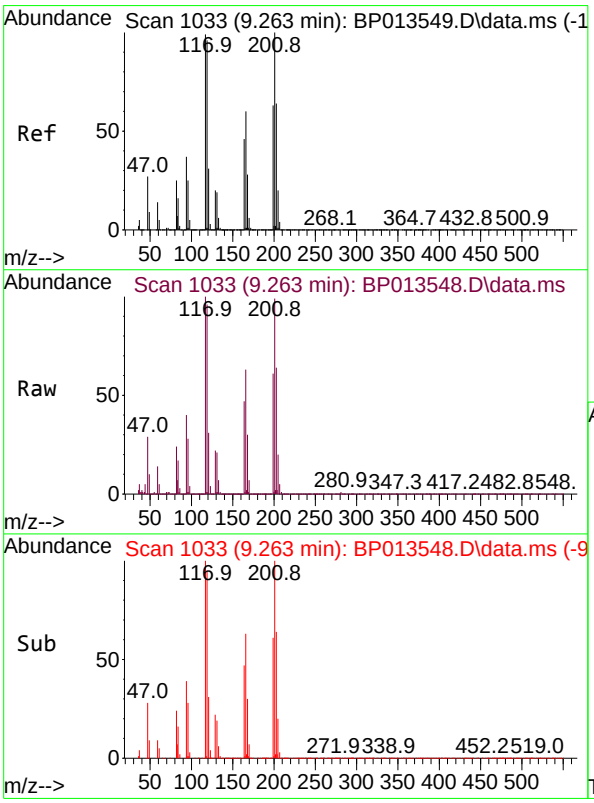
#17
2-Methylphenol
Concen: 20.478 ng
RT: 8.599 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 375801

Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.5	135.7
77	43.5	35.4	53.2
79	43.1	34.3	51.5

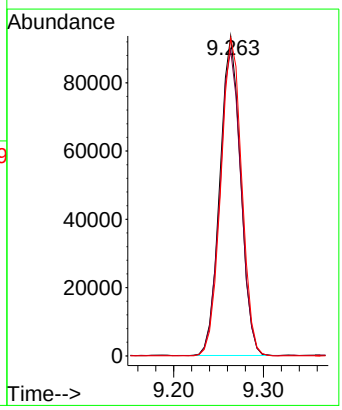


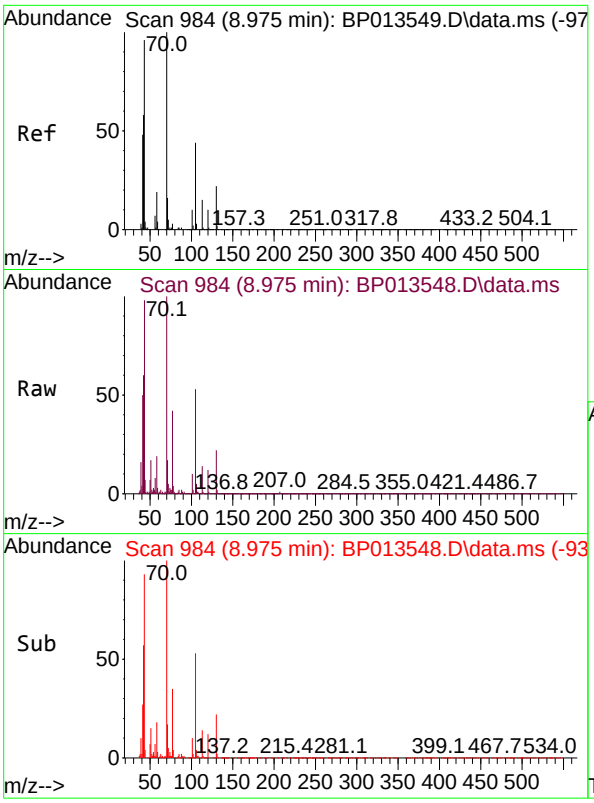


#18
Hexachloroethane
Concen: 20.083 ng
RT: 9.263 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:117 Resp: 150520

Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.0	115.6
201	99.4	80.6	120.8



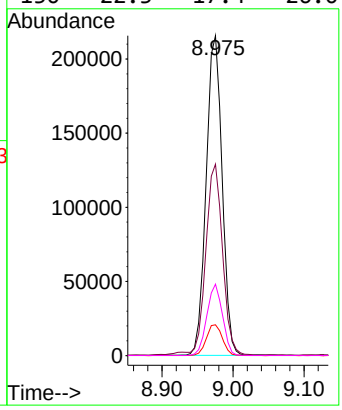


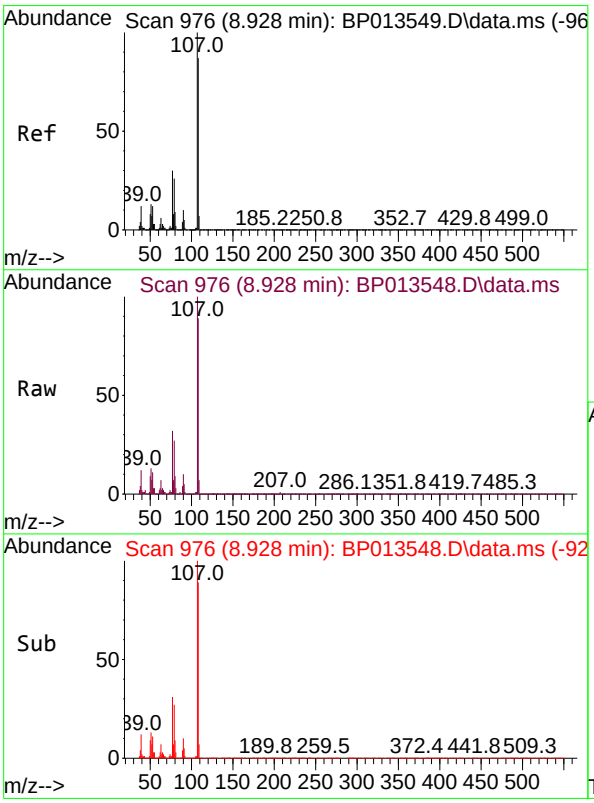
#19
n-Nitroso-di-n-propylamine
Concen: 21.431 ng
RT: 8.975 min Scan# 98
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 336670

Ion	Ratio	Lower	Upper
70	100		
42	59.8	47.2	70.8
101	9.6	8.0	12.0
130	22.3	17.4	26.0

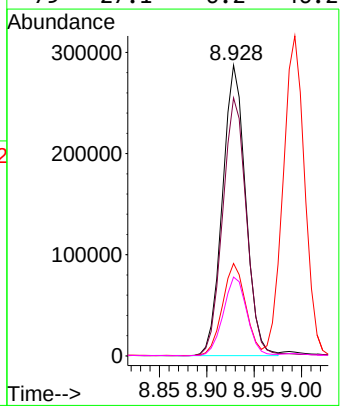


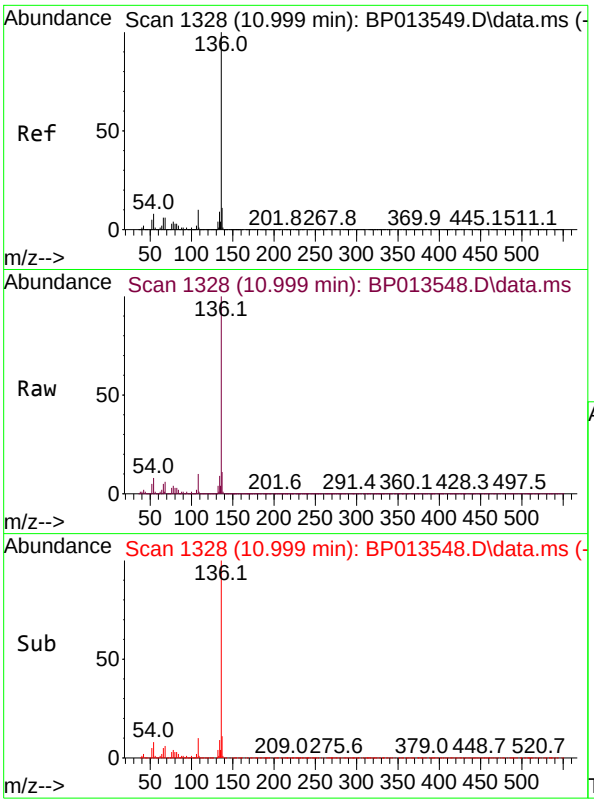


#20
3+4-Methylphenols
Concen: 20.236 ng
RT: 8.928 min Scan# 976
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:107 Resp: 488803

Ion	Ratio	Lower	Upper
107	100		
108	88.8	67.5	107.5
77	31.8	10.5	50.5
79	27.1	6.2	46.2



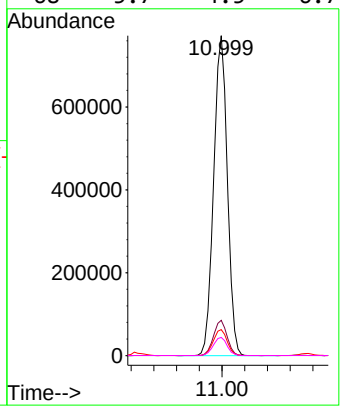


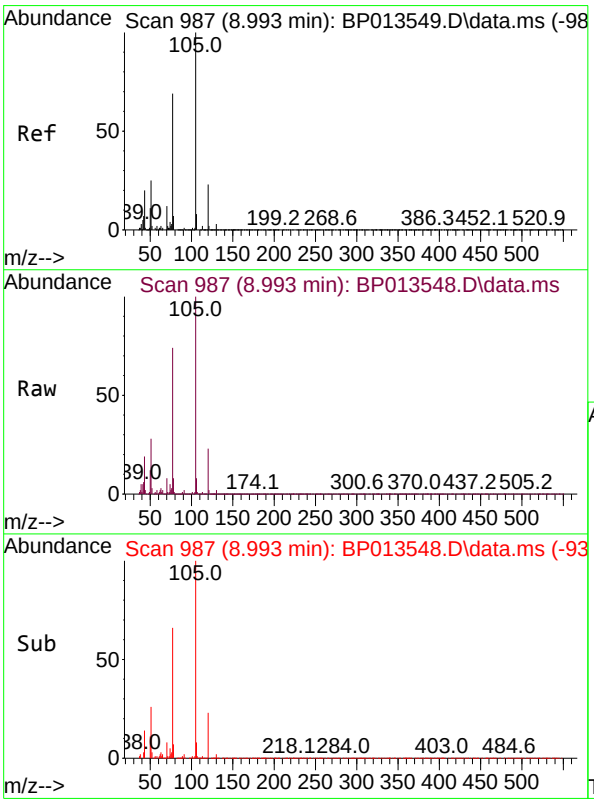
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1289531

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.1	6.6	9.8
68	5.7	4.5	6.7

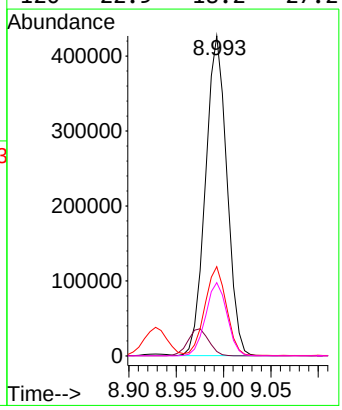


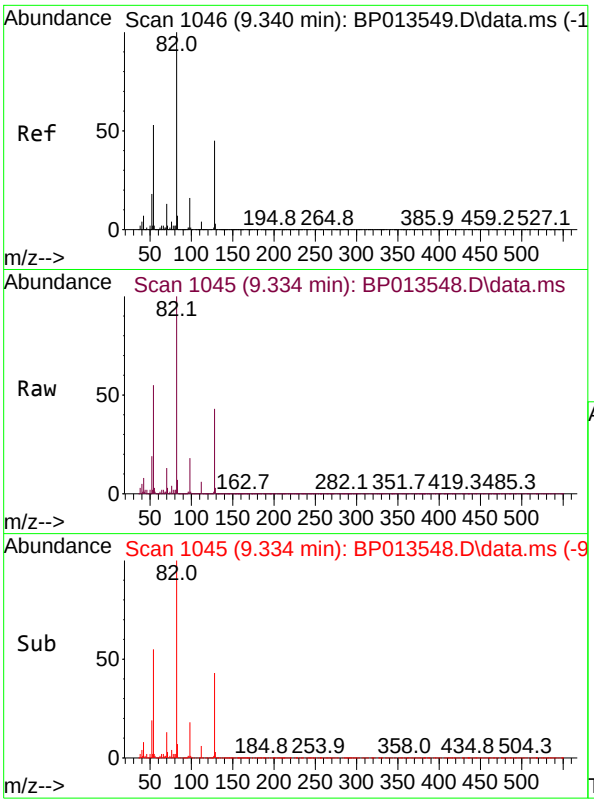


#22
Acetophenone
Concen: 20.266 ng
RT: 8.993 min Scan# 987
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:105 Resp: 670438

Ion	Ratio	Lower	Upper
105	100		
71	1.4	1.8	2.8#
51	27.9	21.1	31.7
120	22.9	18.2	27.2



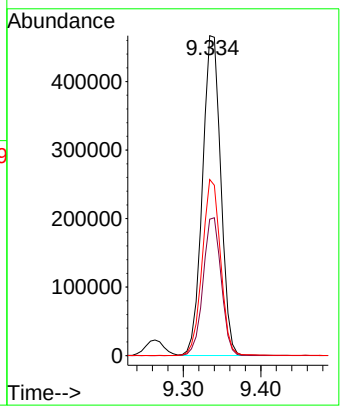


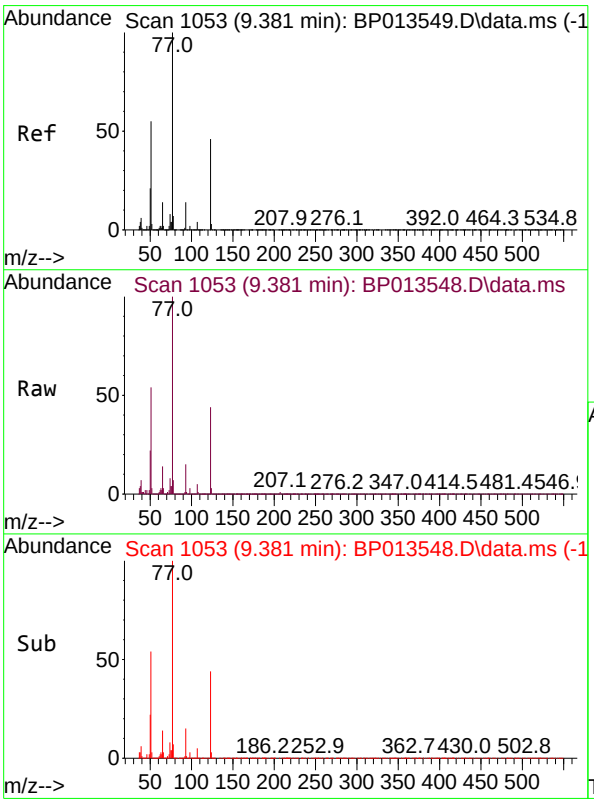
#23
Nitrobenzene-d5
Concen: 39.190 ng
RT: 9.334 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 765516

Ion	Ratio	Lower	Upper
82	100		
128	42.6	35.8	53.6
54	55.0	42.6	64.0

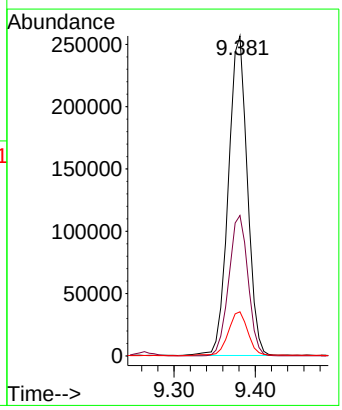


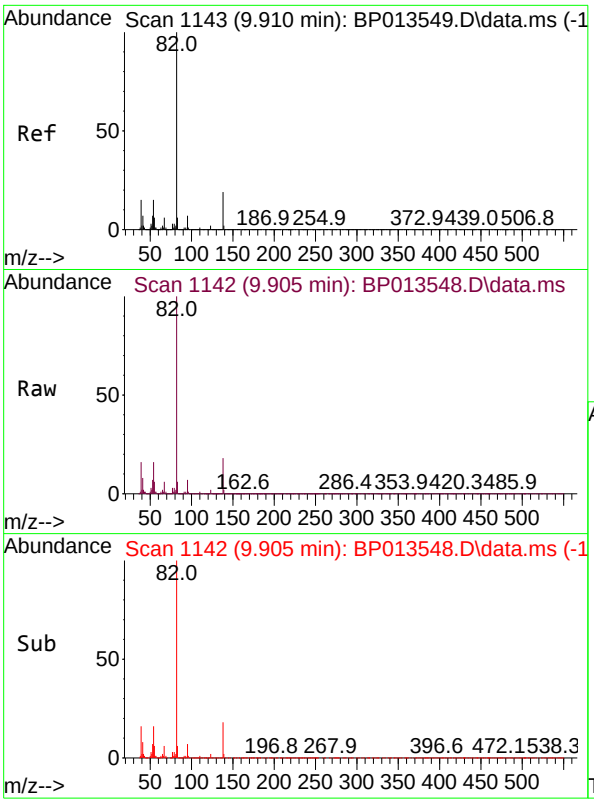


#24
Nitrobenzene
Concen: 19.870 ng
RT: 9.381 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion: 77 Resp: 417316

Ion	Ratio	Lower	Upper
77	100		
123	43.9	37.2	55.8
65	13.8	11.1	16.7



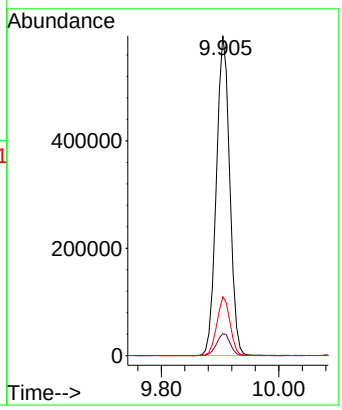


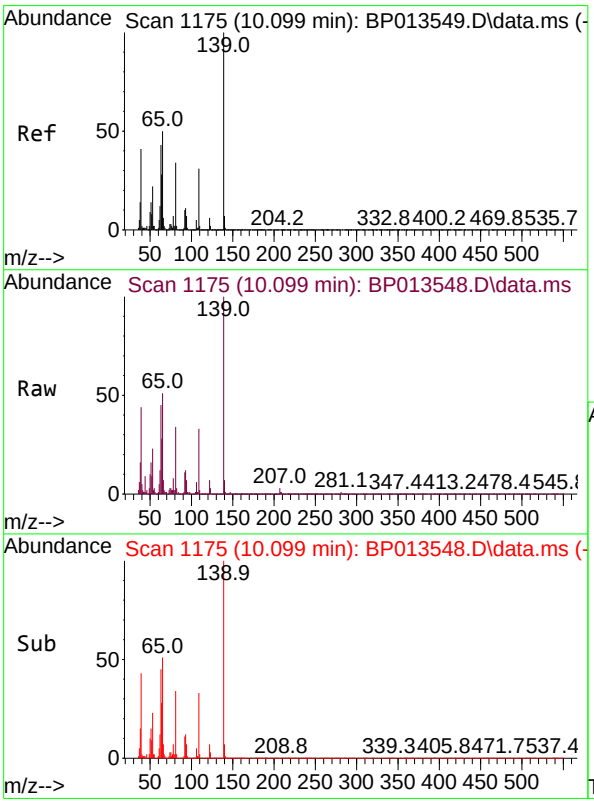
#25
Isophorone
Concen: 20.240 ng
RT: 9.905 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 937764

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.8
138	18.4	15.1	22.7

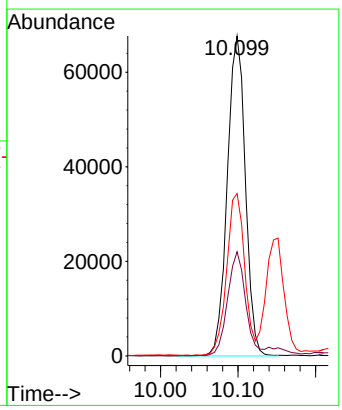


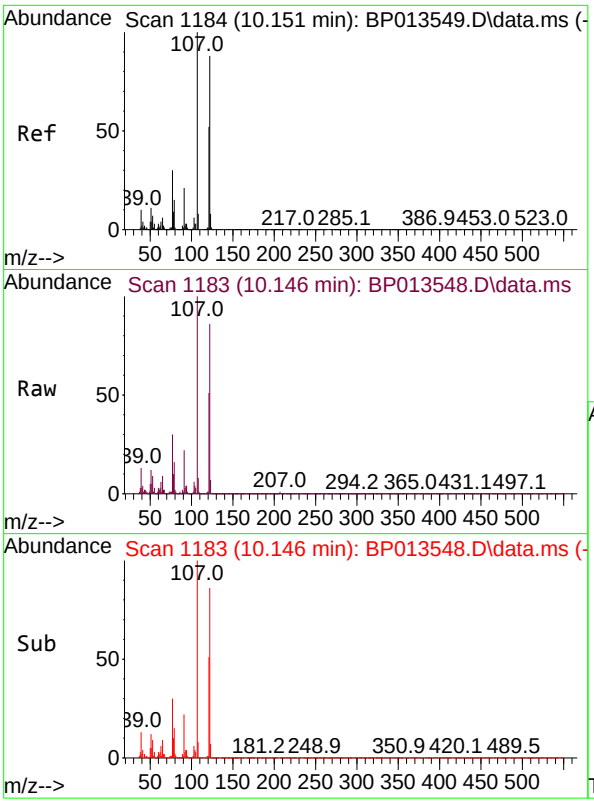


#26
2-Nitrophenol
Concen: 16.780 ng
RT: 10.099 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:139 Resp: 109894

Ion	Ratio	Lower	Upper
139	100		
109	32.5	25.1	37.7
65	50.8	40.1	60.1



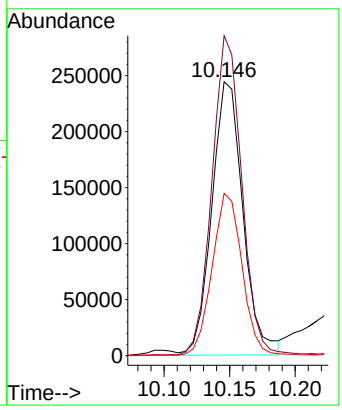


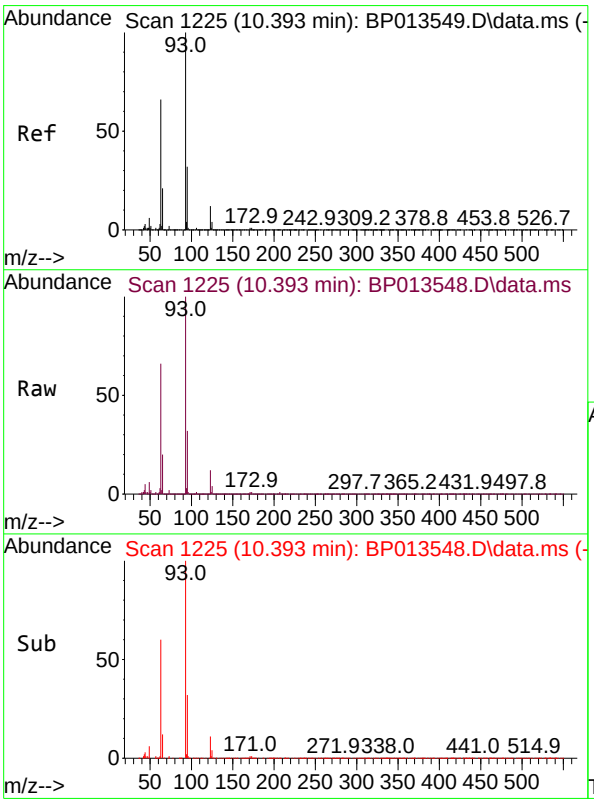
#27
2,4-Dimethylphenol
Concen: 19.711 ng
RT: 10.146 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 402570

Ion	Ratio	Lower	Upper
122	100		
107	116.9	90.7	136.1
121	59.2	47.0	70.4

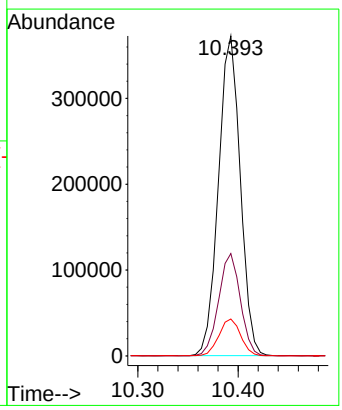


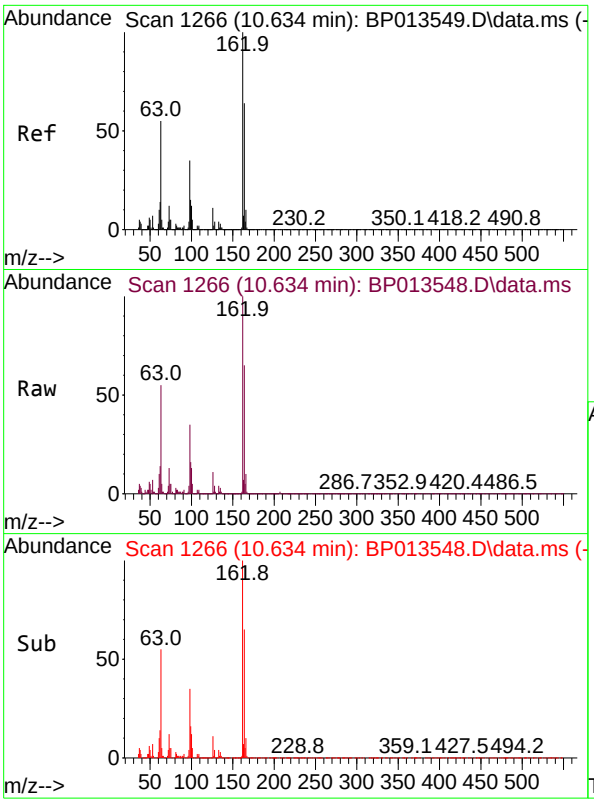


#28
bis(2-Chloroethoxy)methane
Concen: 20.194 ng
RT: 10.393 min Scan# 1225
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion: 93 Resp: 563840

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.8
123	11.5	9.4	14.0



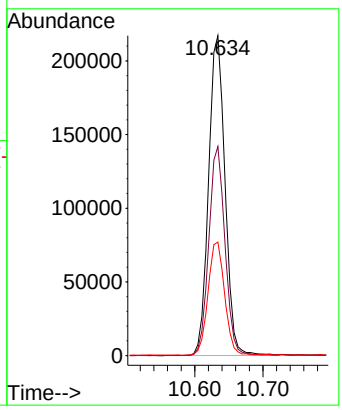


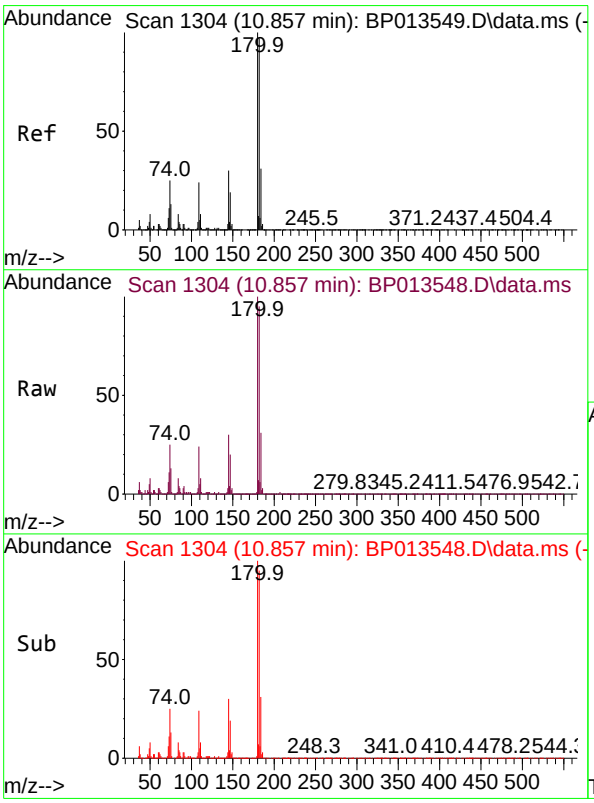
#29
2,4-Dichlorophenol
Concen: 19.755 ng
RT: 10.634 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 363440

Ion	Ratio	Lower	Upper
162	100		
164	65.3	44.3	84.3
98	35.5	15.3	55.3

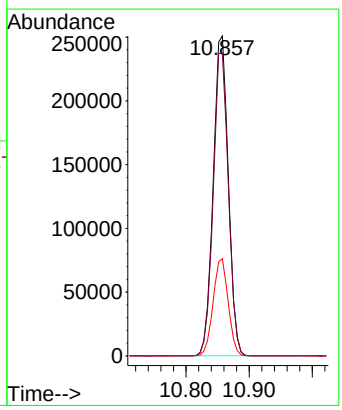


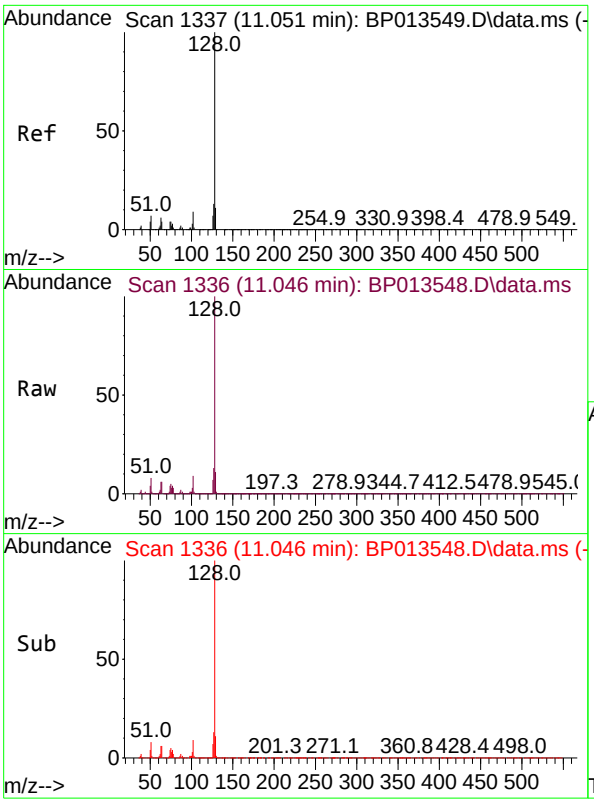


#30
1,2,4-Trichlorobenzene
Concen: 19.878 ng
RT: 10.857 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:180 Resp: 417340

Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.9	116.9
145	30.4	24.0	36.0



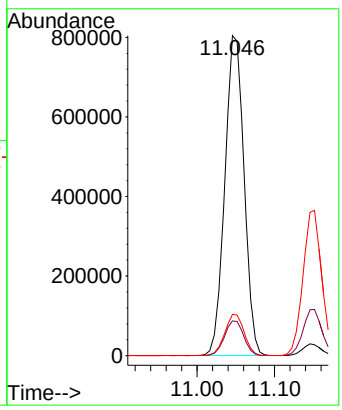


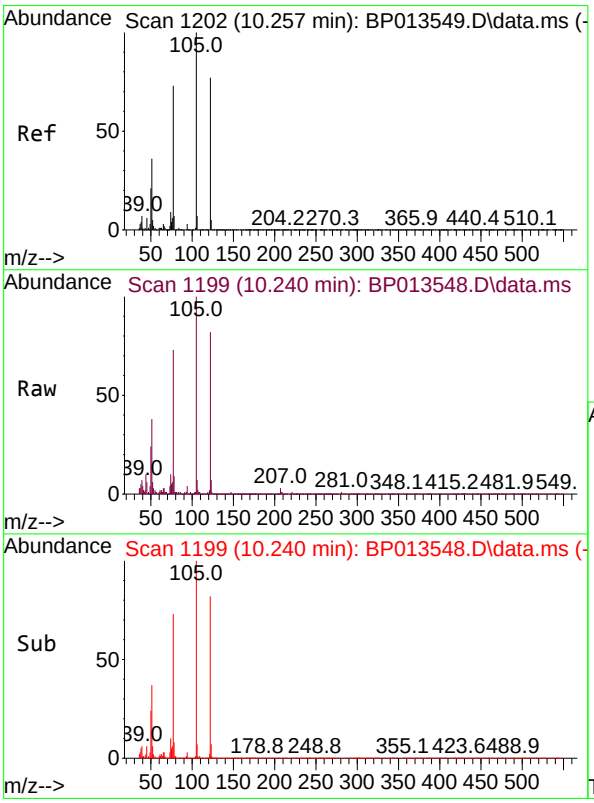
#31
Naphthalene
Concen: 20.042 ng
RT: 11.046 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1389473

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.5	12.7
127	12.9	10.6	16.0

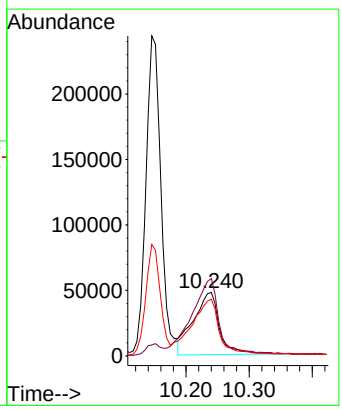


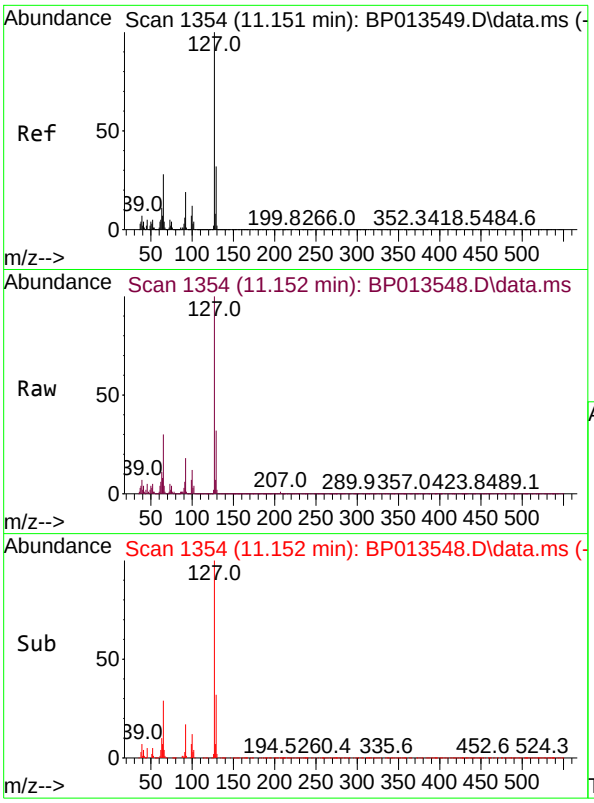


#32
Benzoic acid
Concen: 15.309 ng
RT: 10.240 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:122 Resp: 136659

Ion	Ratio	Lower	Upper
122	100		
105	121.9	100.5	140.5
77	89.5	70.9	110.9



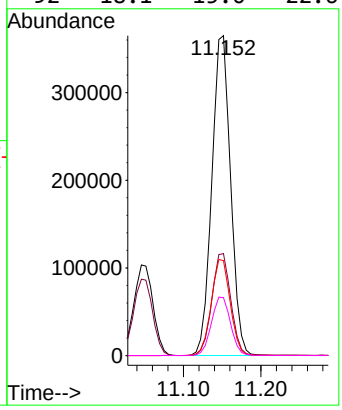


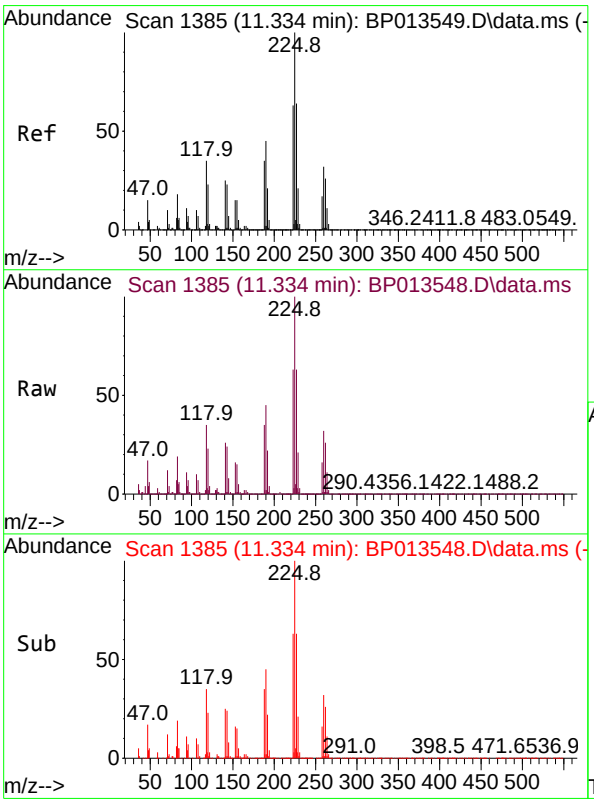
#33
4-Chloroaniline
Concen: 19.999 ng
RT: 11.152 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 613471

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.7	38.5
65	29.7	22.7	34.1
92	18.1	15.0	22.6

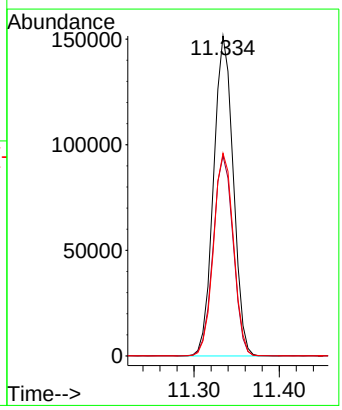


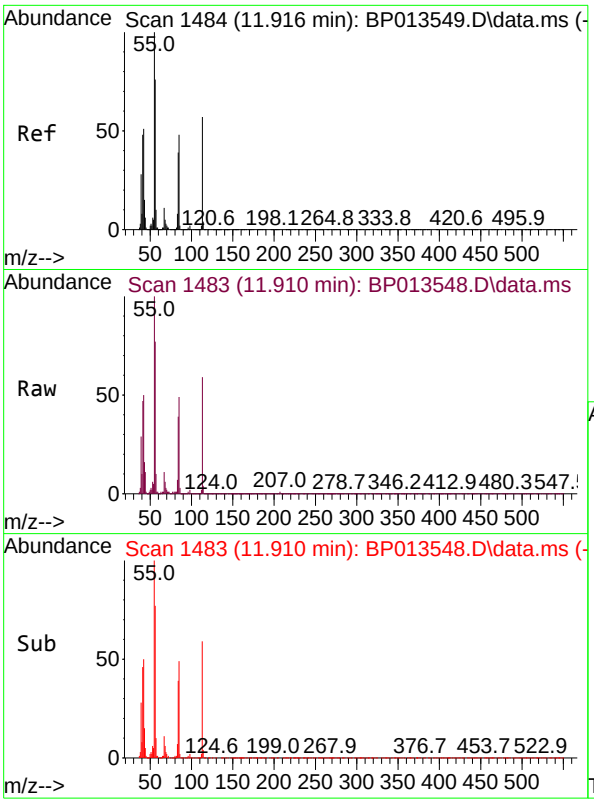


#34
Hexachlorobutadiene
Concen: 19.897 ng
RT: 11.334 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:225 Resp: 243095

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.2	75.2
227	63.3	51.4	77.2



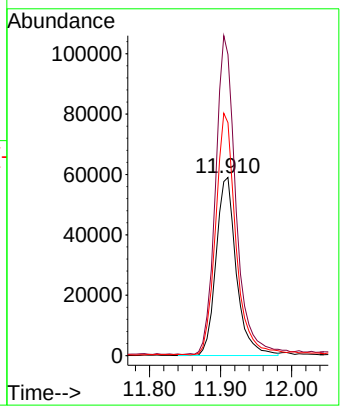


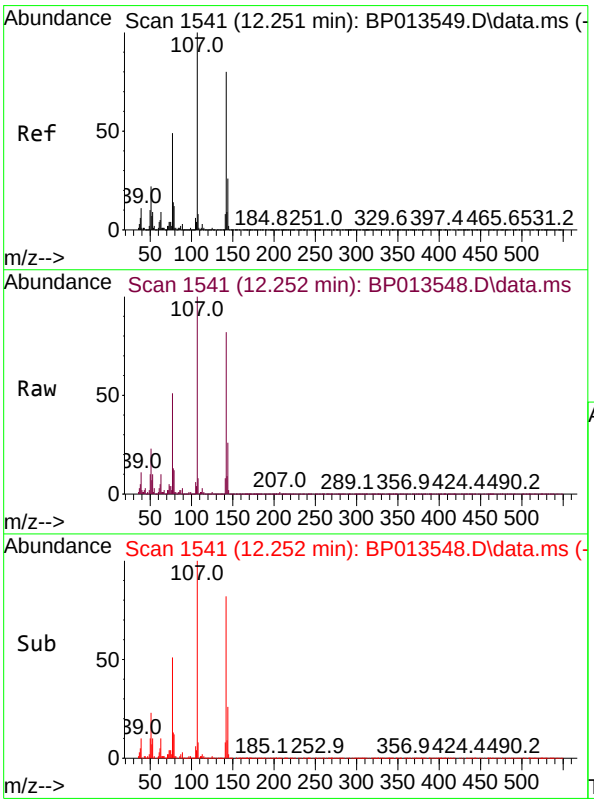
#35
Caprolactam
Concen: 19.731 ng
RT: 11.910 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 117254

Ion	Ratio	Lower	Upper
113	100		
55	169.1	156.5	196.5
56	130.8	113.5	153.5

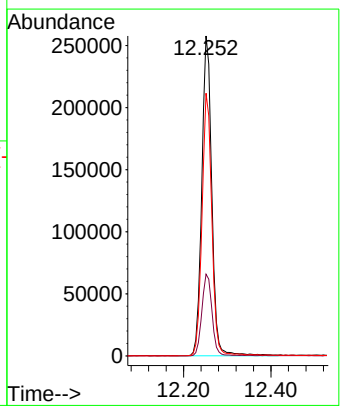


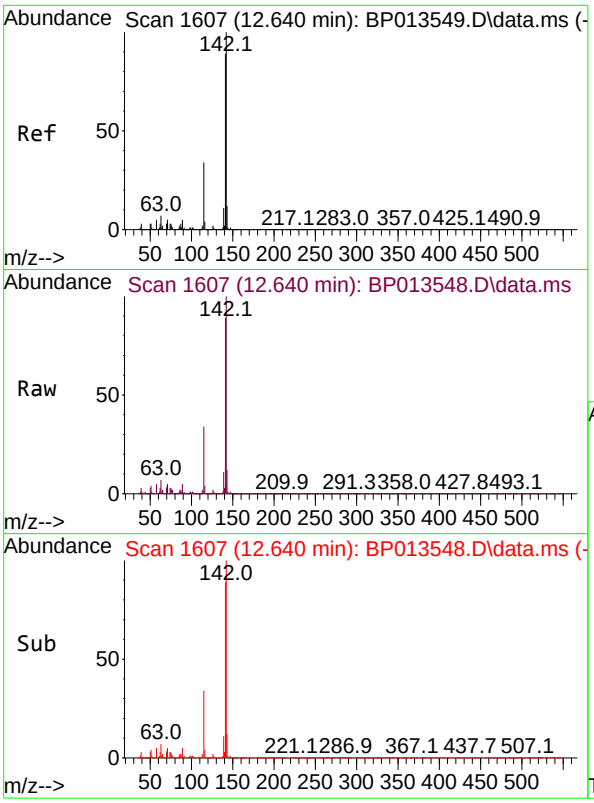


#36
4-Chloro-3-methylphenol
Concen: 20.252 ng
RT: 12.252 min Scan# 1541
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:107 Resp: 405762

Ion	Ratio	Lower	Upper
107	100		
144	25.5	21.1	31.7
142	82.1	64.0	96.0



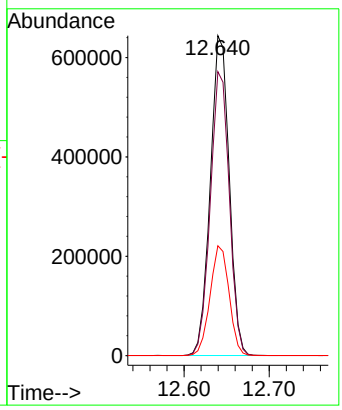


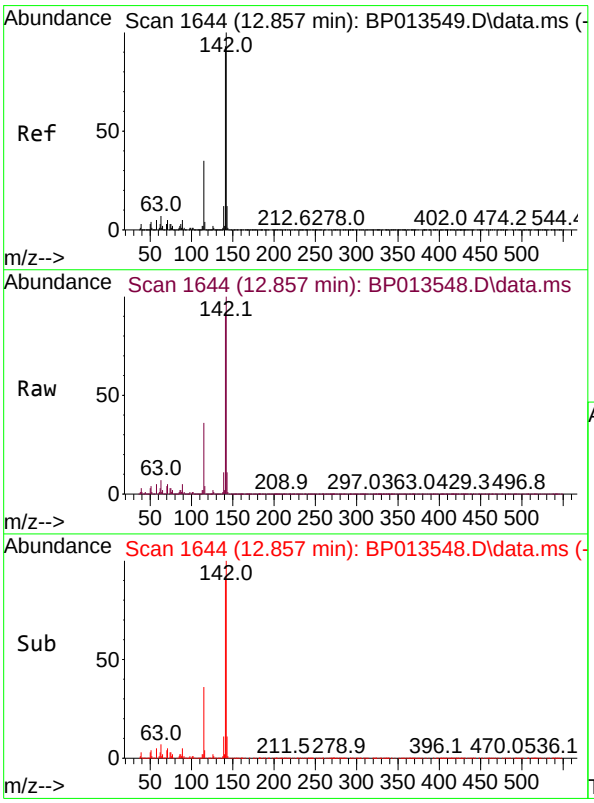
#37
2-Methylnaphthalene
Concen: 20.112 ng
RT: 12.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 991061

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.4	107.2
115	34.3	27.4	41.2

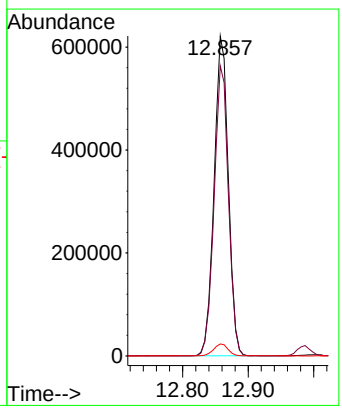


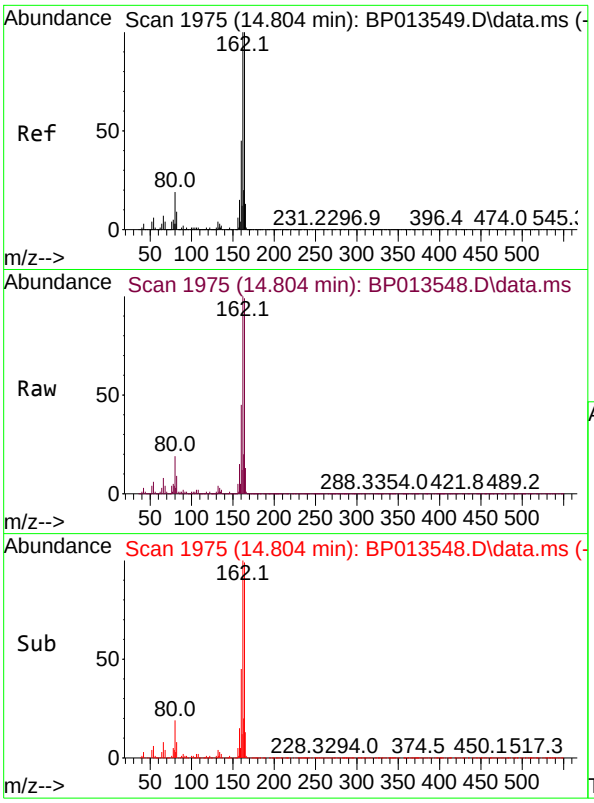


#38
1-Methylnaphthalene
Concen: 20.233 ng
RT: 12.857 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:142 Resp: 936860

Ion	Ratio	Lower	Upper
142	100		
141	90.6	74.3	111.5
116	3.7	3.0	4.6



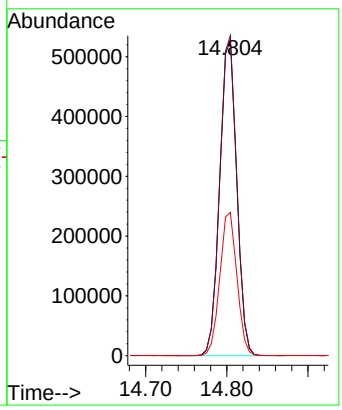


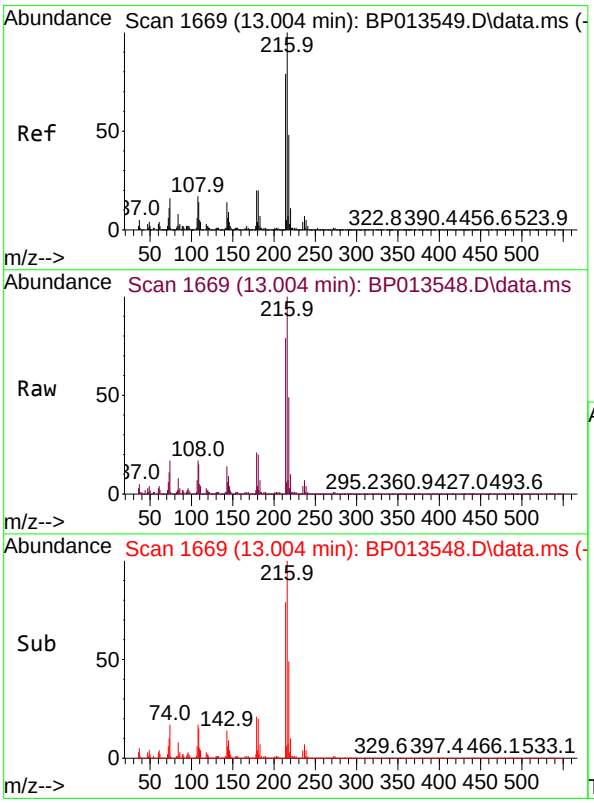
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.804 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 765762

Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.1	120.1
160	45.3	35.9	53.9

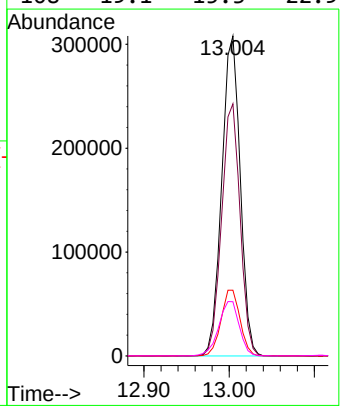


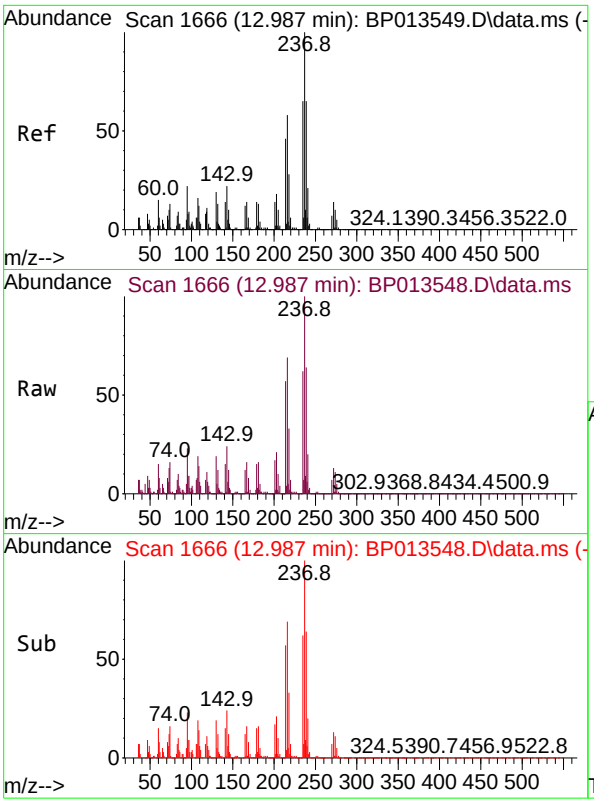


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.624 ng
RT: 13.004 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:216 Resp: 462647

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.9	94.3
179	21.2	16.6	24.8
108	19.1	15.3	22.9



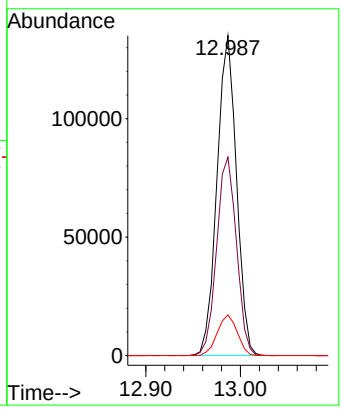


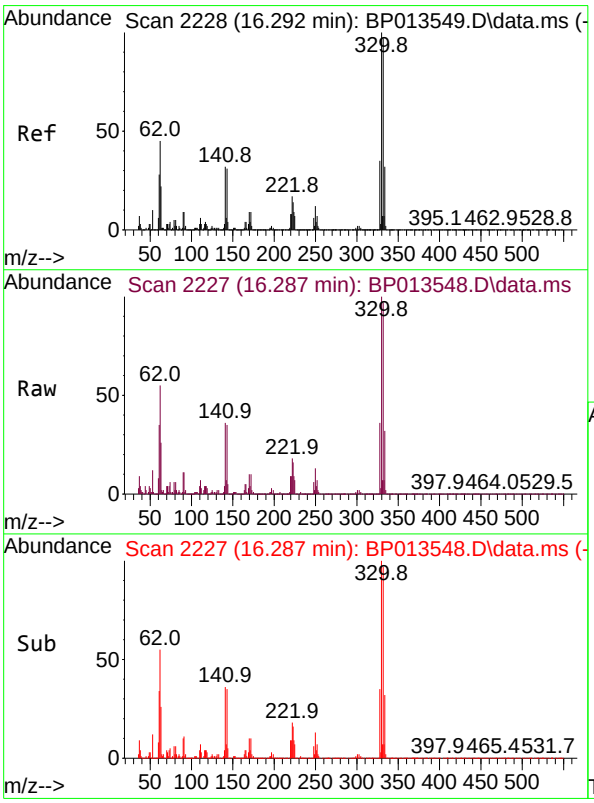
#41
Hexachlorocyclopentadiene
Concen: 17.419 ng
RT: 12.987 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 193321

Ion	Ratio	Lower	Upper
237	100		
235	62.0	44.6	84.6
272	12.7	0.0	33.9

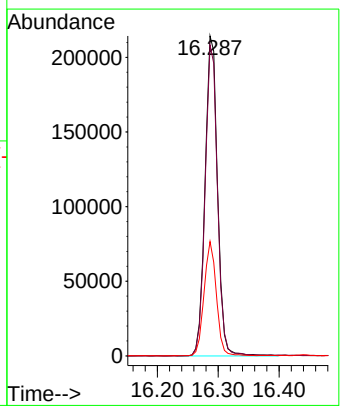


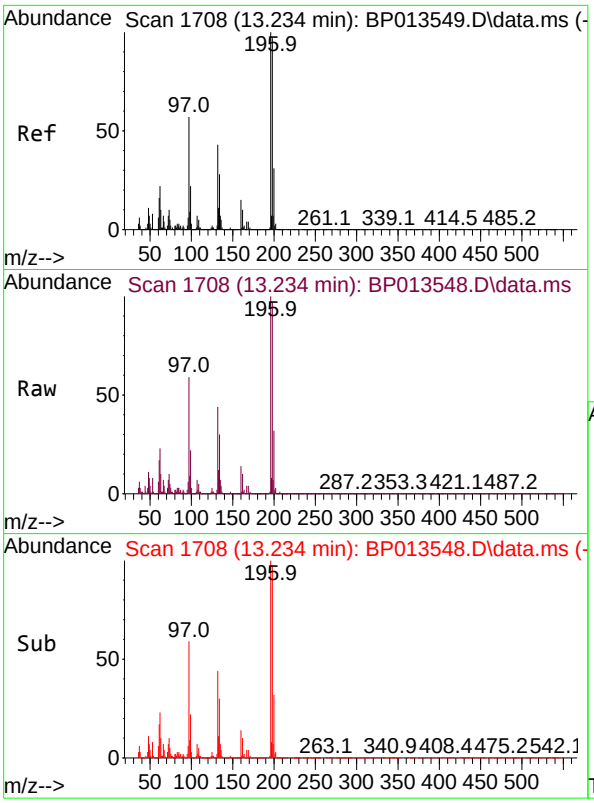


#42
2,4,6-Tribromophenol
Concen: 38.157 ng
RT: 16.287 min Scan# 2227
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:330 Resp: 304633

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.2
141	35.2	27.6	41.4



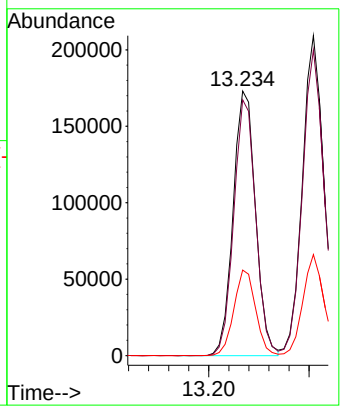


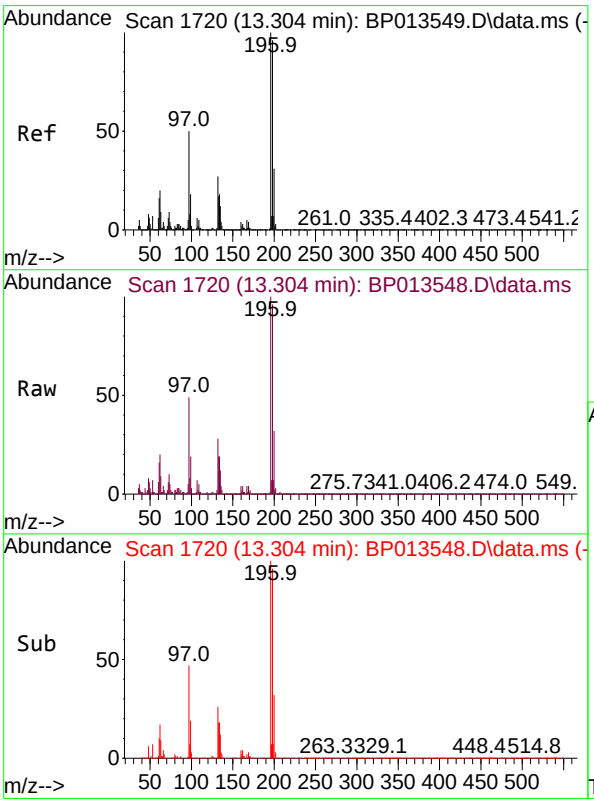
#43
2,4,6-Trichlorophenol
Concen: 19.483 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 268823

Ion	Ratio	Lower	Upper
196	100		
198	96.7	77.3	115.9
200	32.4	24.6	36.8

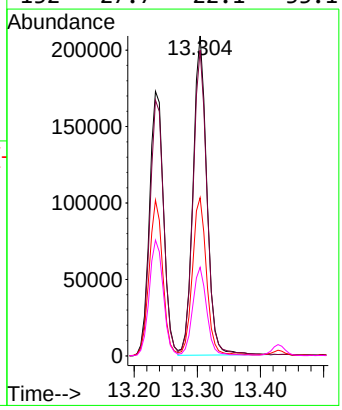


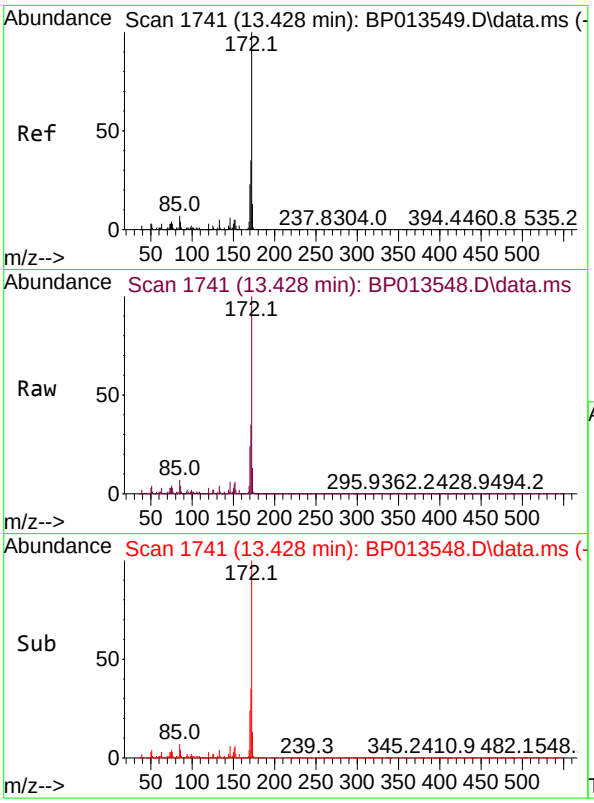


#44
2,4,5-Trichlorophenol
Concen: 19.511 ng
RT: 13.304 min Scan# 1720
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:196 Resp: 318128

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.7	115.1
97	49.4	40.0	60.0
132	27.7	22.1	33.1



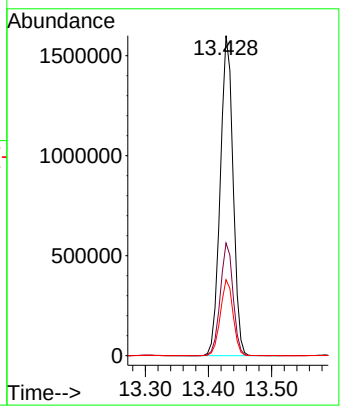


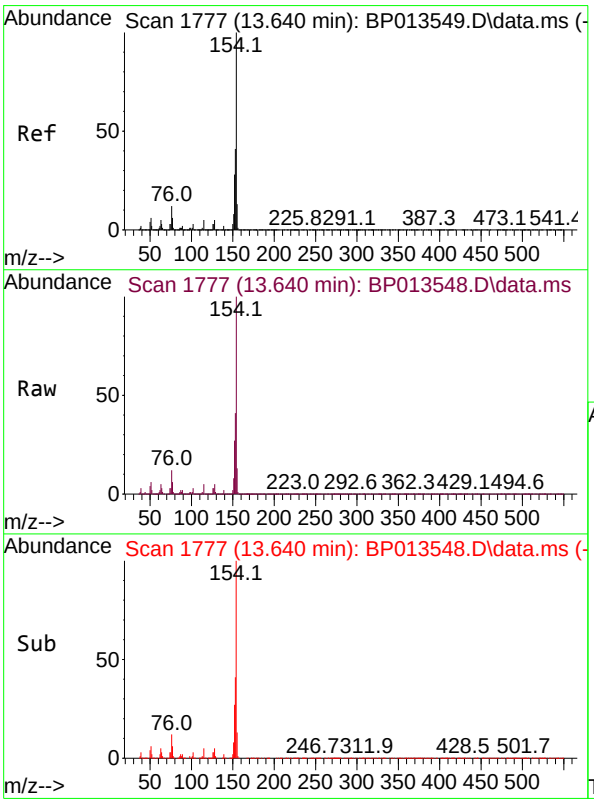
#45
2-Fluorobiphenyl
Concen: 40.295 ng
RT: 13.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 2247954

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.8
170	23.7	18.6	27.8

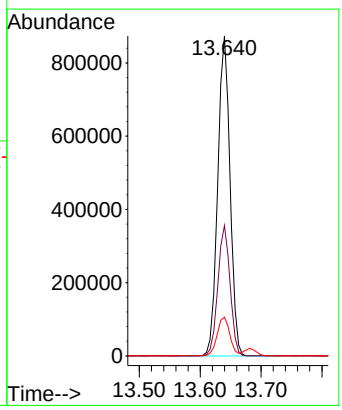


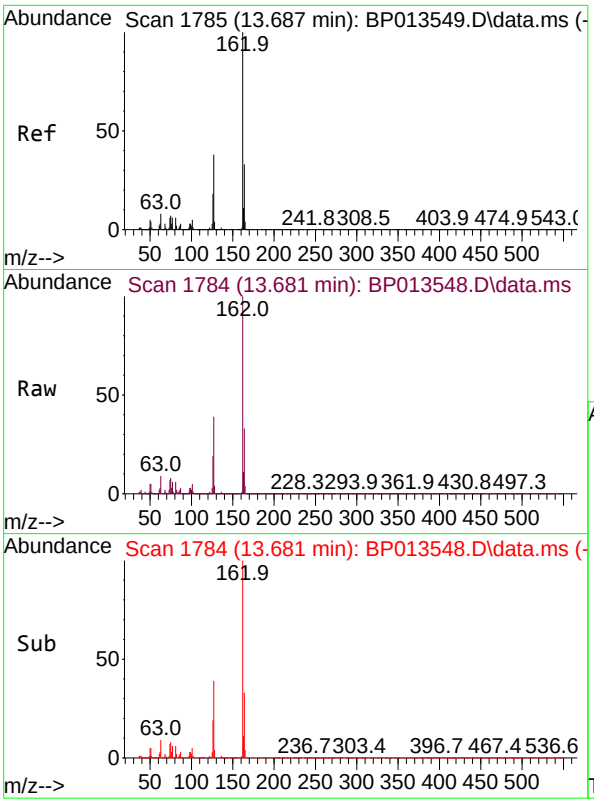


#46
1,1'-Biphenyl
Concen: 19.877 ng
RT: 13.640 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:154 Resp: 1222446

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.5	60.5
76	12.1	0.0	32.1



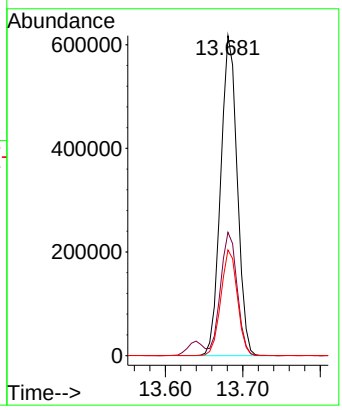


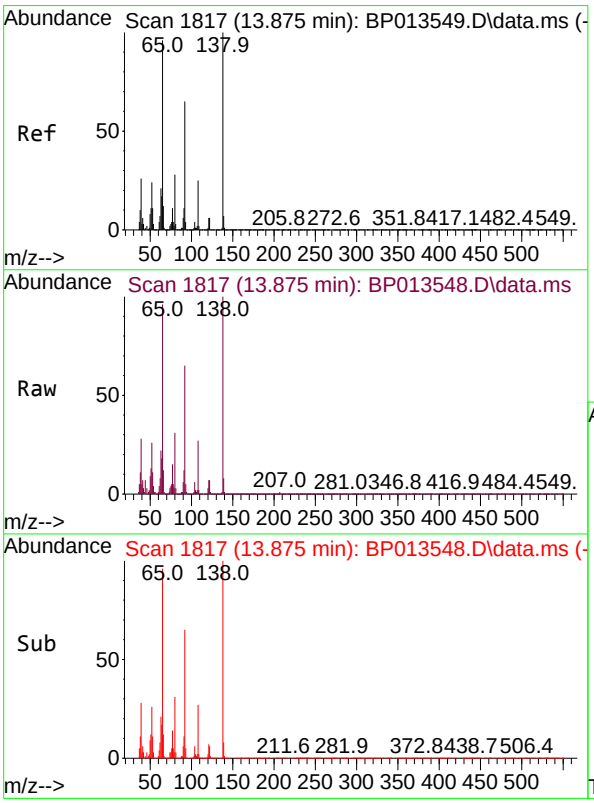
#47
2-Chloronaphthalene
Concen: 19.961 ng
RT: 13.681 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 919670

Ion	Ratio	Lower	Upper
162	100		
127	38.5	30.8	46.2
164	33.0	26.2	39.2

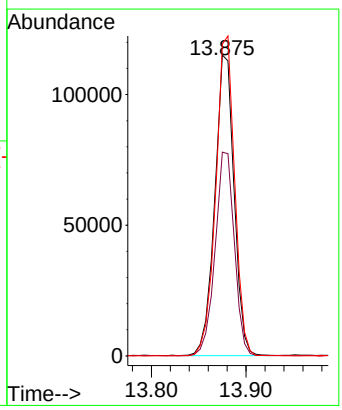


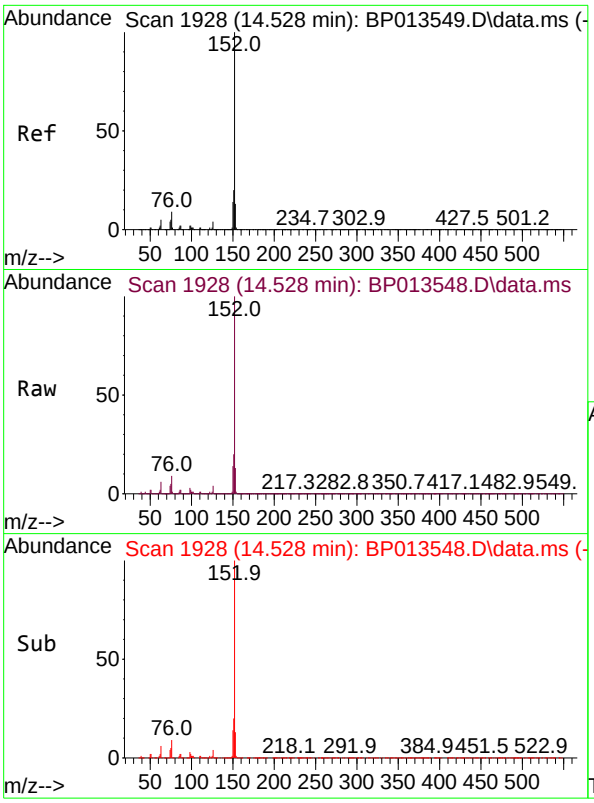


#48
2-Nitroaniline
Concen: 17.671 ng
RT: 13.875 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion: 65 Resp: 162900

Ion	Ratio	Lower	Upper
65	100		
92	67.7	54.1	81.1
138	103.7	83.6	125.4



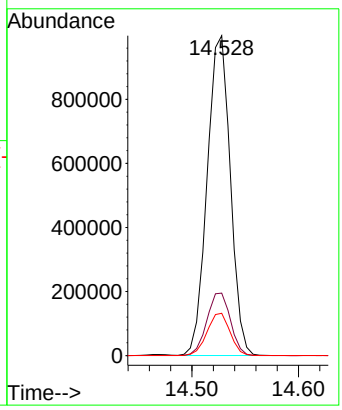


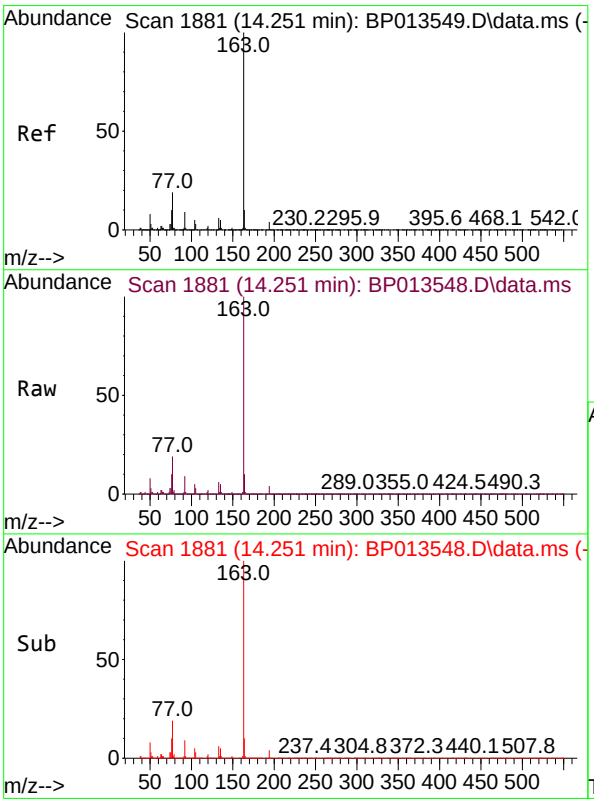
#49
Acenaphthylene
Concen: 20.043 ng
RT: 14.528 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1510172

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.1	24.1
153	13.2	10.1	15.1

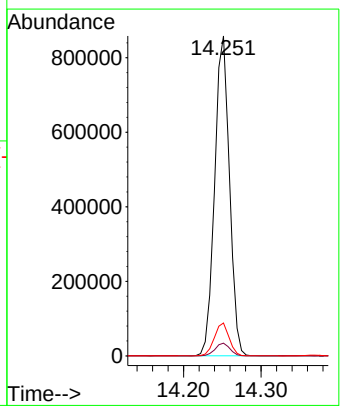


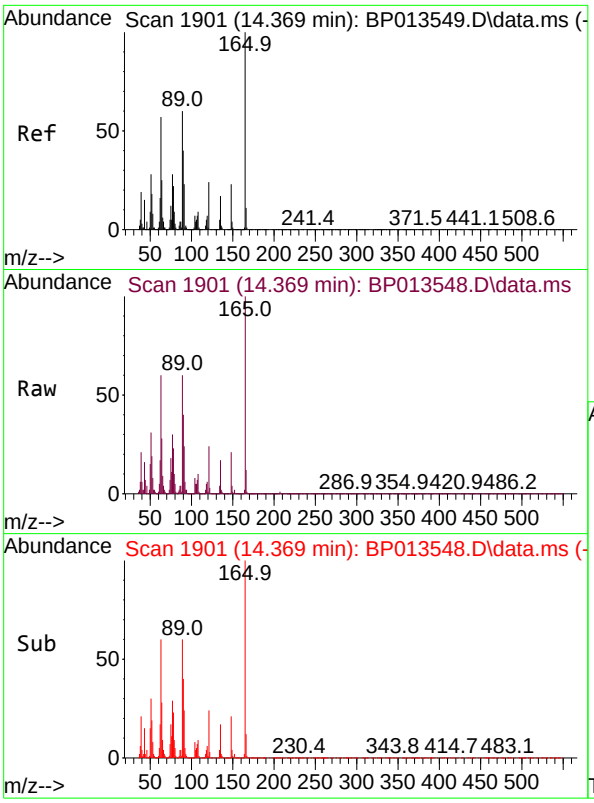


#50
Dimethylphthalate
Concen: 19.998 ng
RT: 14.251 min Scan# 1881
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:163 Resp: 1138352

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.3	8.1	12.1



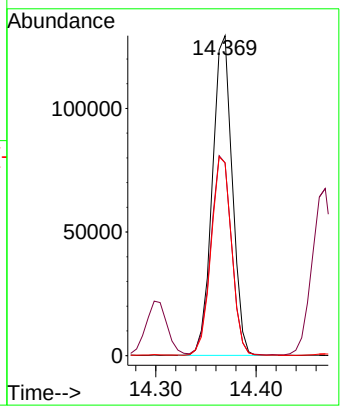


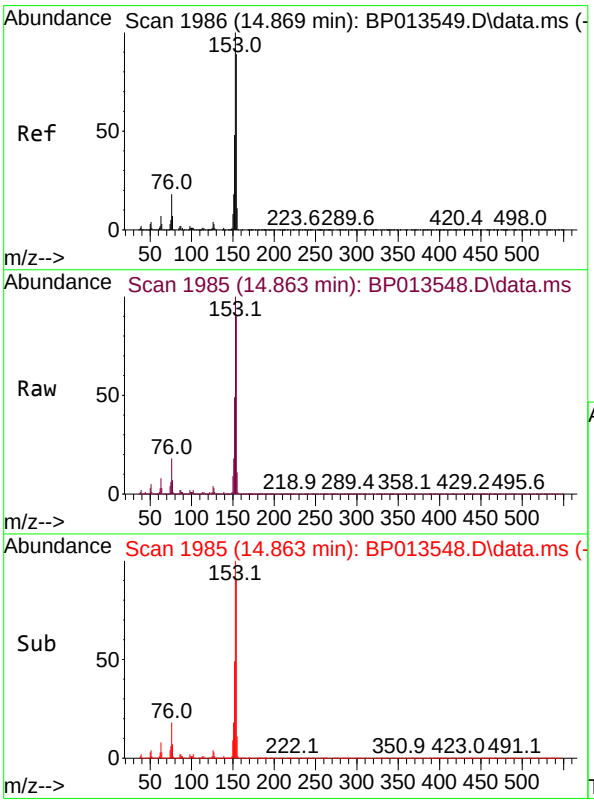
#51
2,6-Dinitrotoluene
Concen: 19.437 ng
RT: 14.369 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 178646

Ion	Ratio	Lower	Upper
165	100		
63	60.2	47.2	70.8
89	60.2	47.8	71.6

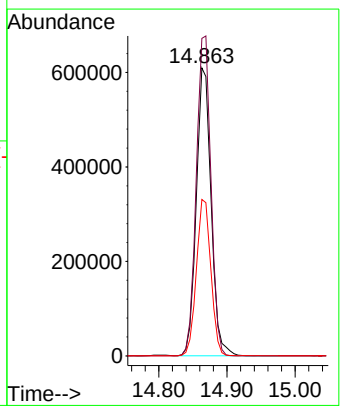


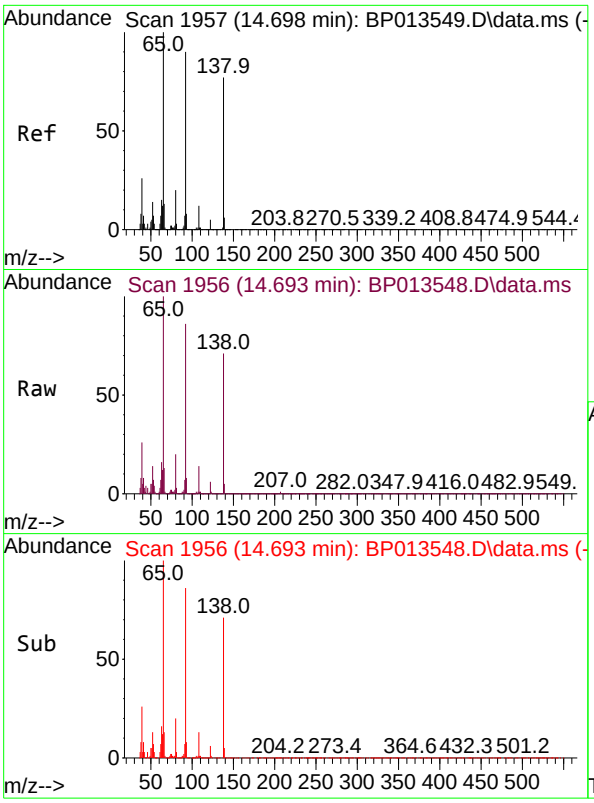


#52
Acenaphthene
Concen: 19.746 ng
RT: 14.863 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:154 Resp: 919035

Ion	Ratio	Lower	Upper
154	100		
153	110.3	89.4	134.0
152	54.3	42.7	64.1



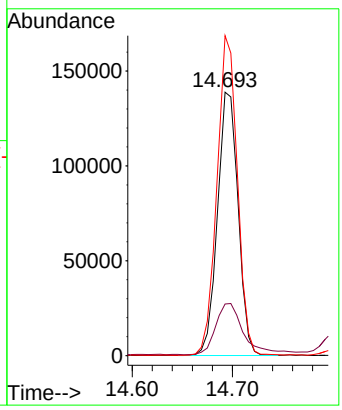


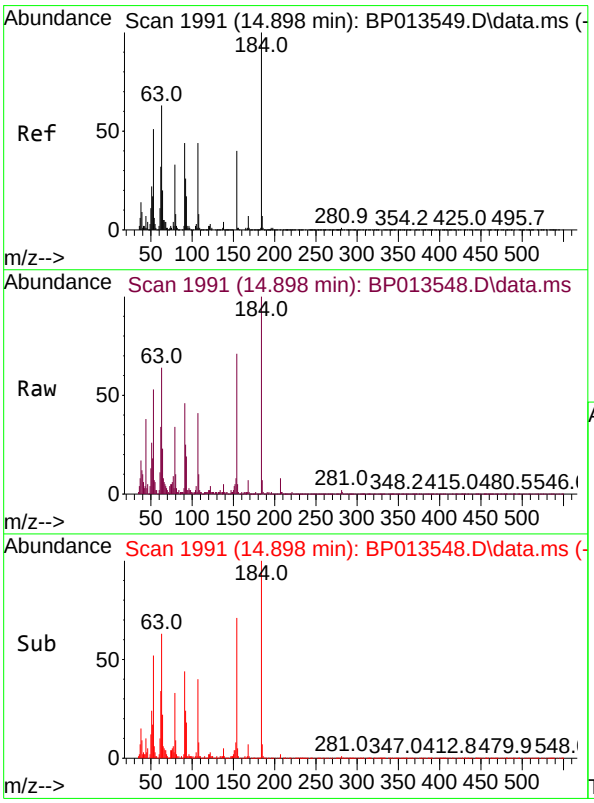
#53
3-Nitroaniline
Concen: 18.881 ng
RT: 14.693 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 198963

Ion	Ratio	Lower	Upper
138	100		
108	19.6	12.8	19.2#
92	121.5	93.3	139.9

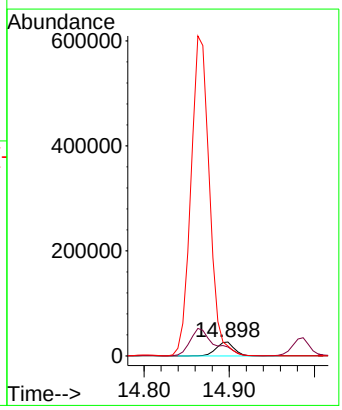


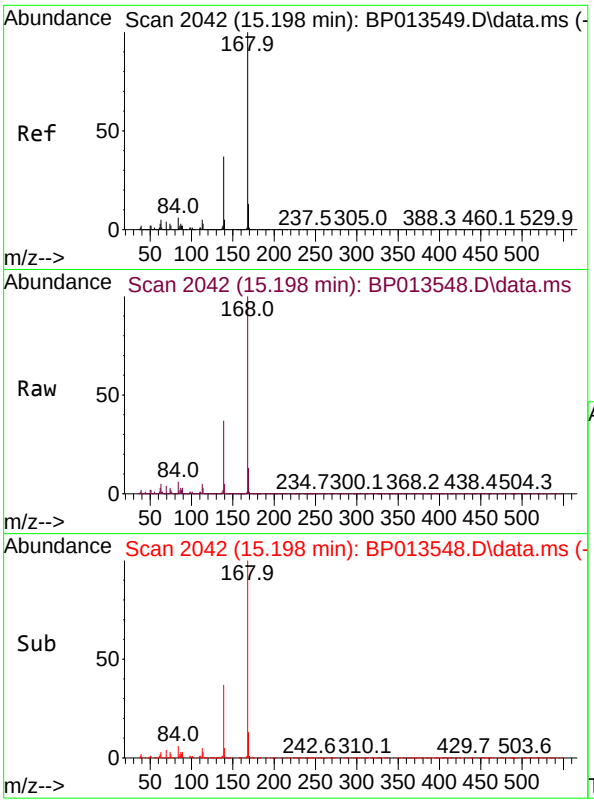


#54
2,4-Dinitrophenol
Concen: 13.807 ng
RT: 14.898 min Scan# 1991
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:184 Resp: 38672

Ion	Ratio	Lower	Upper
184	100		
63	64.4	53.2	79.8
154	71.4	54.4	81.6



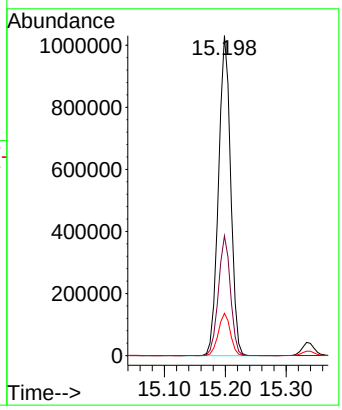


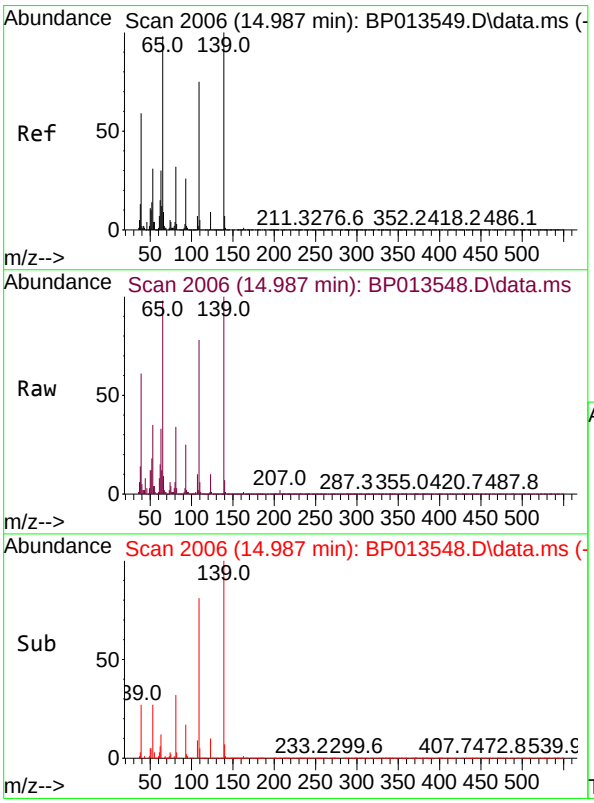
#55
Dibenzofuran
Concen: 19.987 ng
RT: 15.198 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1426506

Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.9	44.9
169	13.2	10.7	16.1

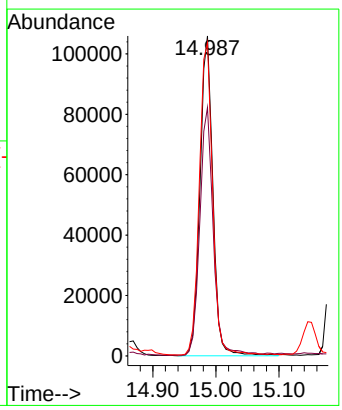


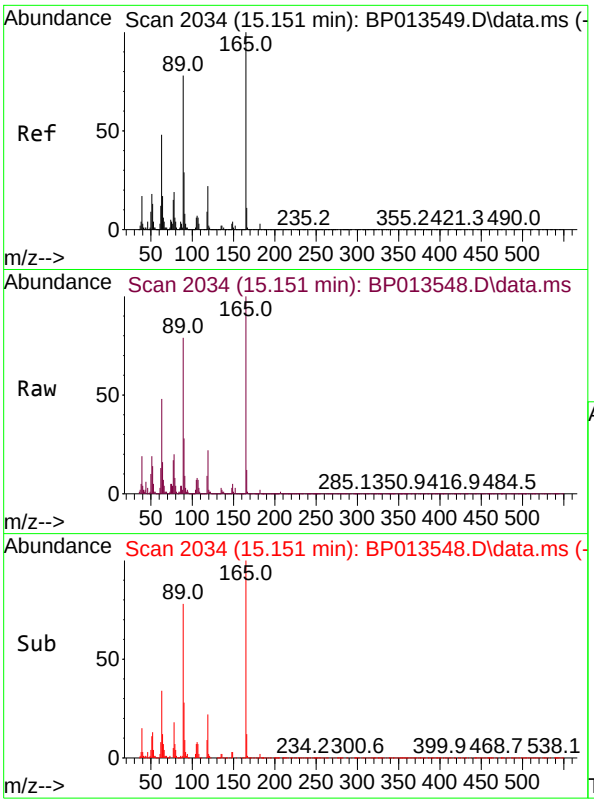


#56
4-Nitrophenol
Concen: 17.401 ng
RT: 14.987 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:139 Resp: 149577

Ion	Ratio	Lower	Upper
139	100		
109	77.6	55.0	95.0
65	98.0	77.7	117.7



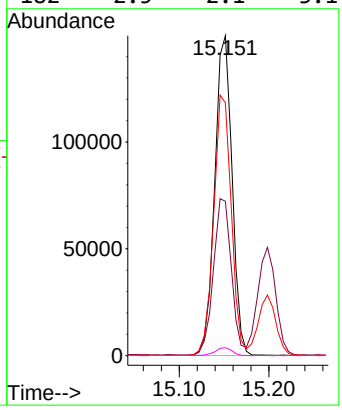


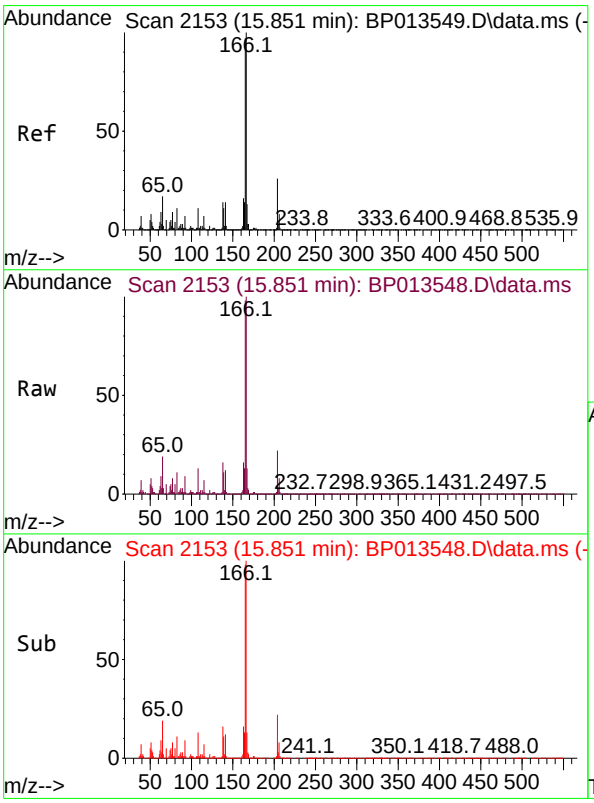
#57
2,4-Dinitrotoluene
Concen: 18.192 ng
RT: 15.151 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 201021

Ion	Ratio	Lower	Upper
165	100		
63	48.2	38.3	57.5
89	79.0	62.1	93.1
182	2.5	2.1	3.1

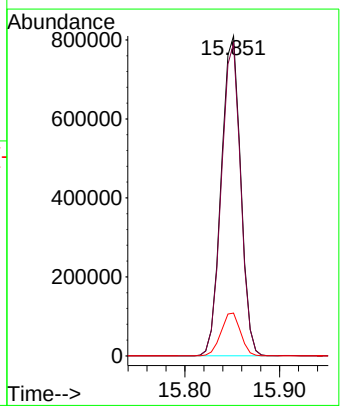


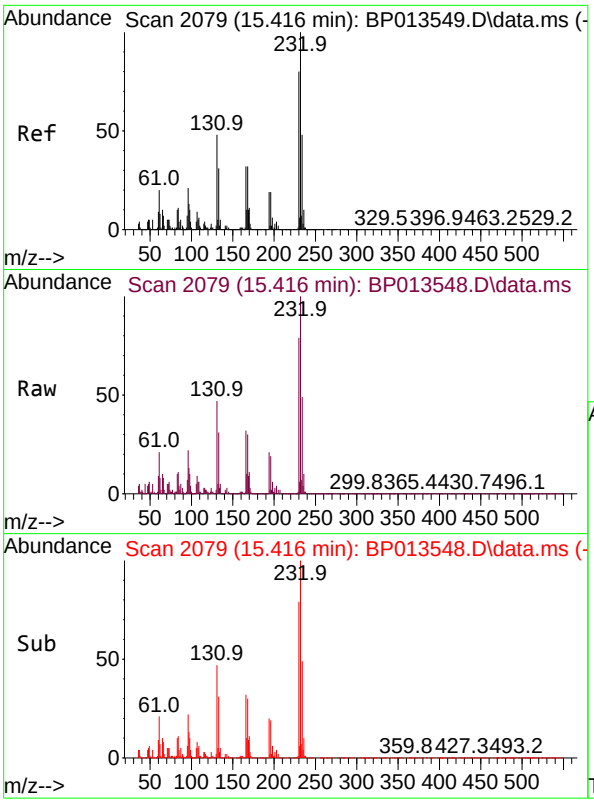


#58
Fluorene
Concen: 20.294 ng
RT: 15.851 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:166 Resp: 1151233

Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.8	116.8
167	13.4	10.7	16.1



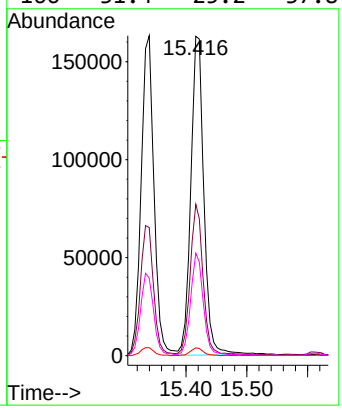


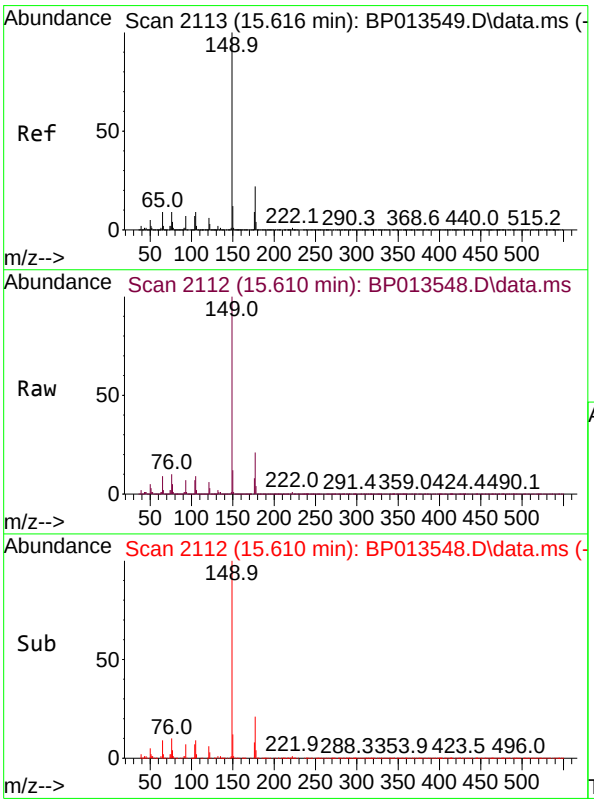
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.455 ng
RT: 15.416 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 243570

Ion	Ratio	Lower	Upper
232	100		
131	46.5	37.1	55.7
130	2.4	1.9	2.9
166	31.4	25.2	37.8

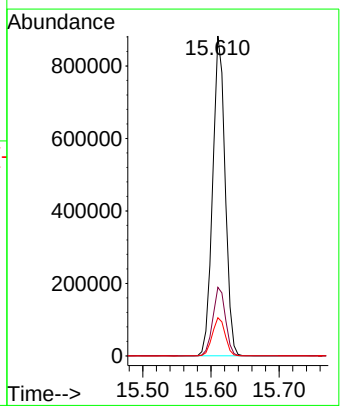


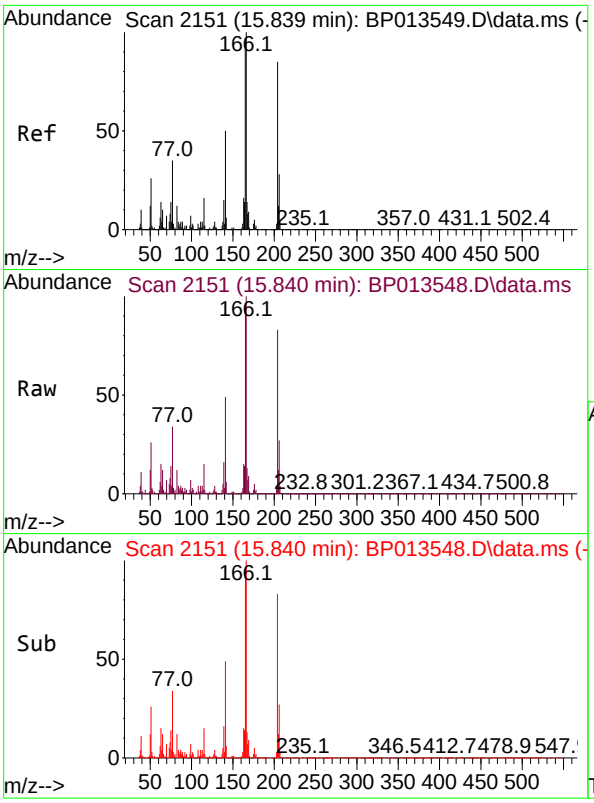


#60
Diethylphthalate
Concen: 20.105 ng
RT: 15.610 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:149 Resp: 1117789

Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.8	26.6
150	11.9	9.8	14.6



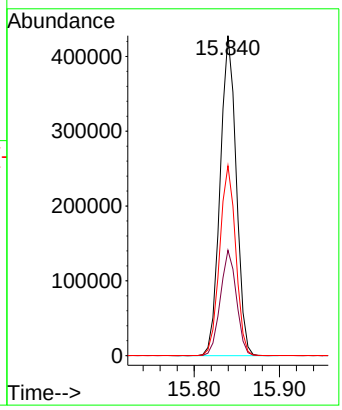


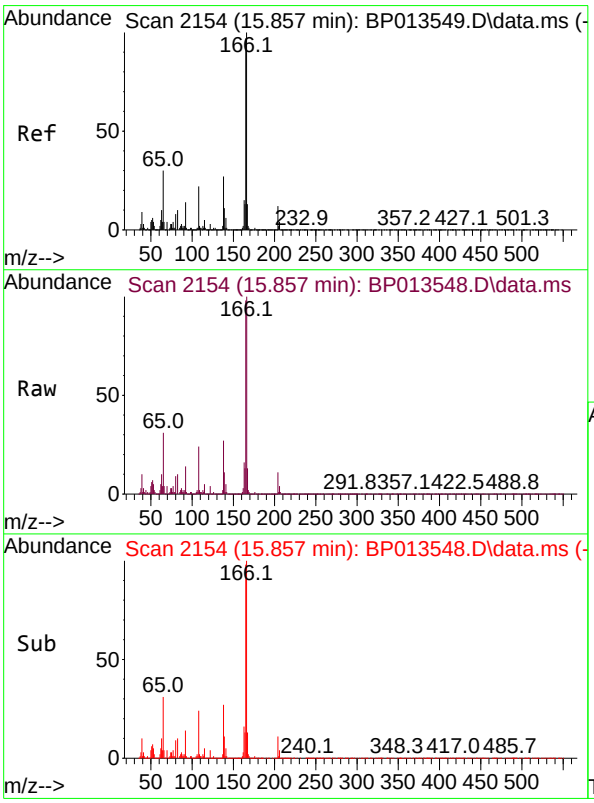
#61
4-Chlorophenyl-phenylether
Concen: 20.096 ng
RT: 15.840 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 560550

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.6	39.8
141	59.3	47.0	70.4

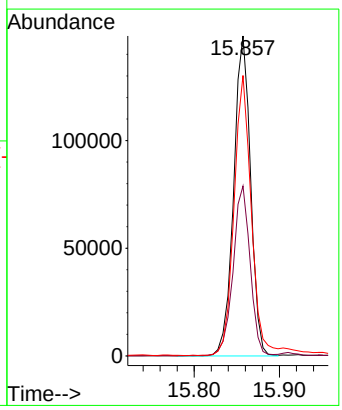


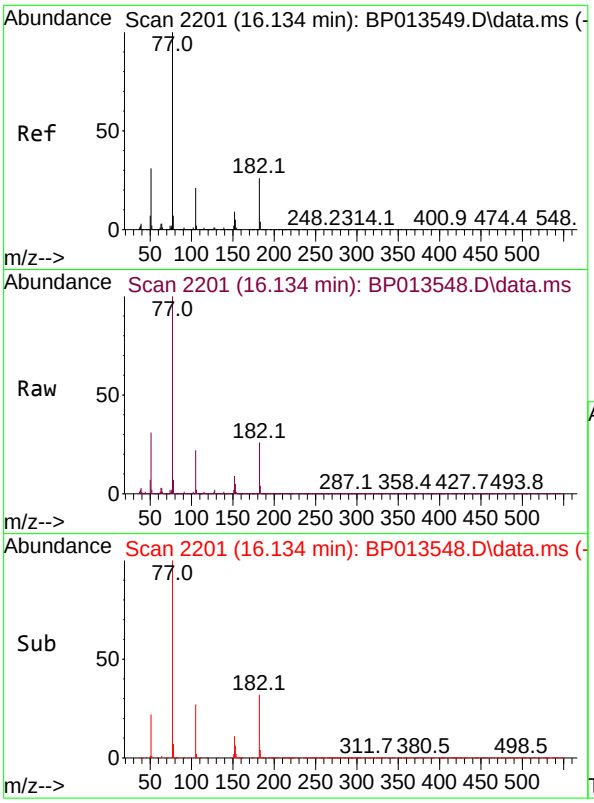


#62
4-Nitroaniline
Concen: 19.005 ng
RT: 15.857 min Scan# 2154
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:138 Resp: 204332

Ion	Ratio	Lower	Upper
138	100		
92	53.1	32.3	72.3
108	87.6	59.2	99.2



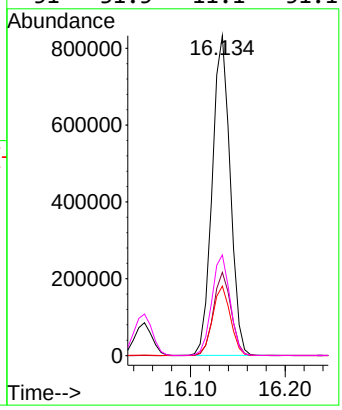


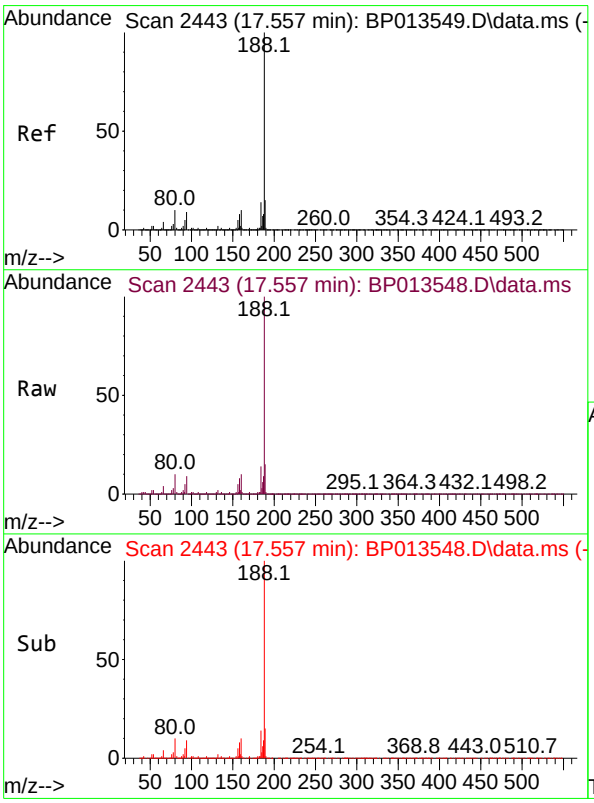
#63
Azobenzene
Concen: 20.301 ng
RT: 16.134 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 1096745

Ion	Ratio	Lower	Upper
77	100		
182	26.0	5.5	45.5
105	21.7	1.4	41.4
51	31.5	11.1	51.1

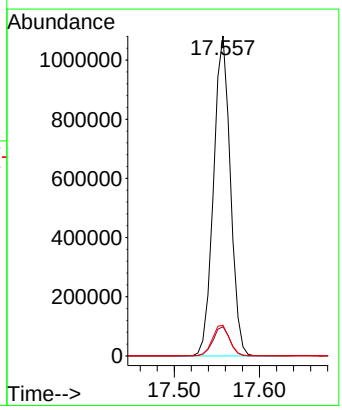


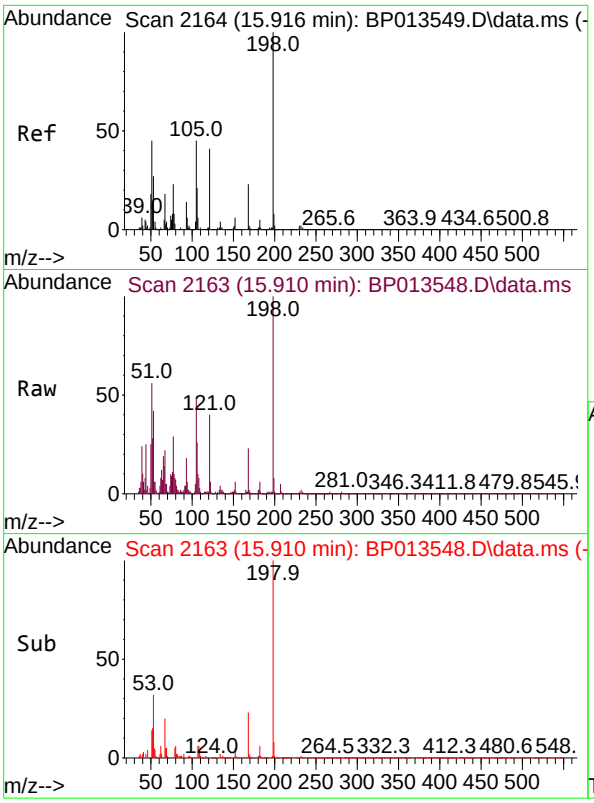


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.557 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:188 Resp: 1482437

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	9.6	8.2	12.2



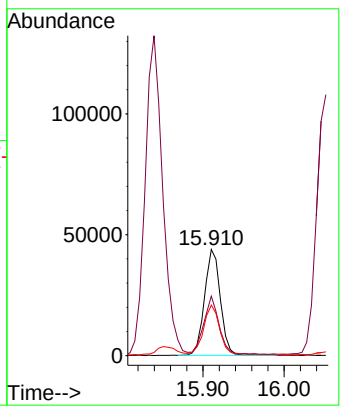


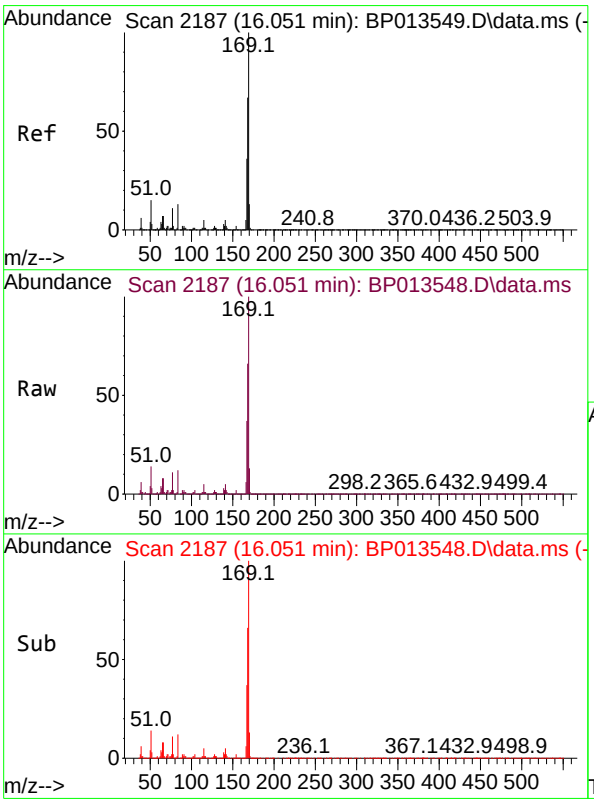
#65
4,6-Dinitro-2-methylphenol
Concen: 13.902 ng
RT: 15.910 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 59559

Ion	Ratio	Lower	Upper
198	100		
51	55.9	30.4	70.4
105	47.5	26.4	66.4

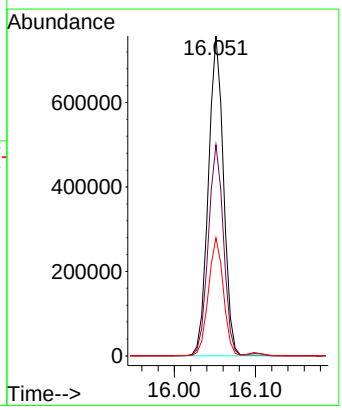


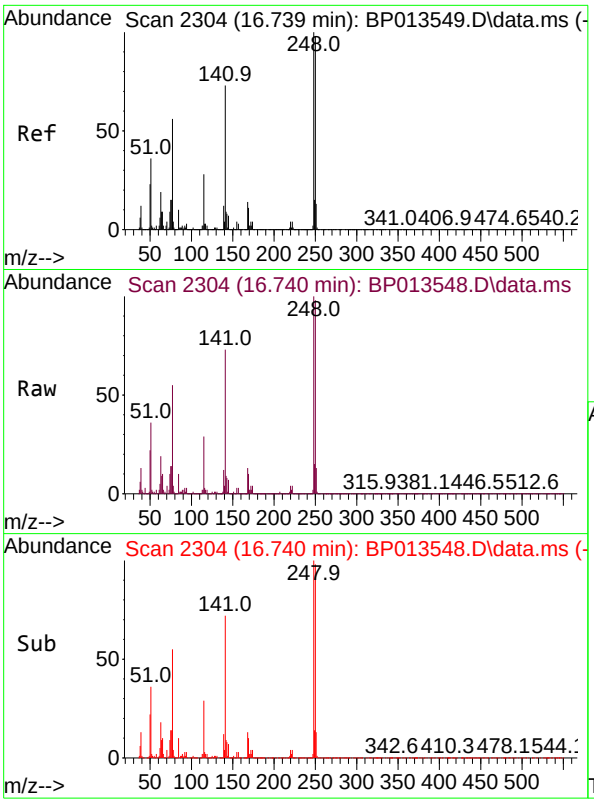


#66
n-Nitrosodiphenylamine
Concen: 20.337 ng
RT: 16.051 min Scan# 2187
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:169 Resp: 983168

Ion	Ratio	Lower	Upper
169	100		
168	66.0	54.0	81.0
167	36.9	29.0	43.6



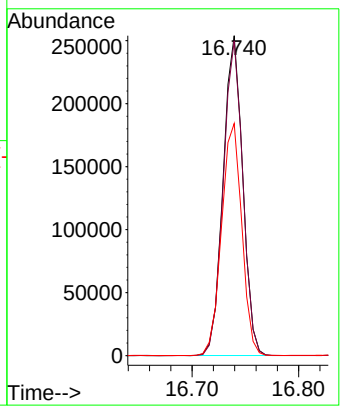


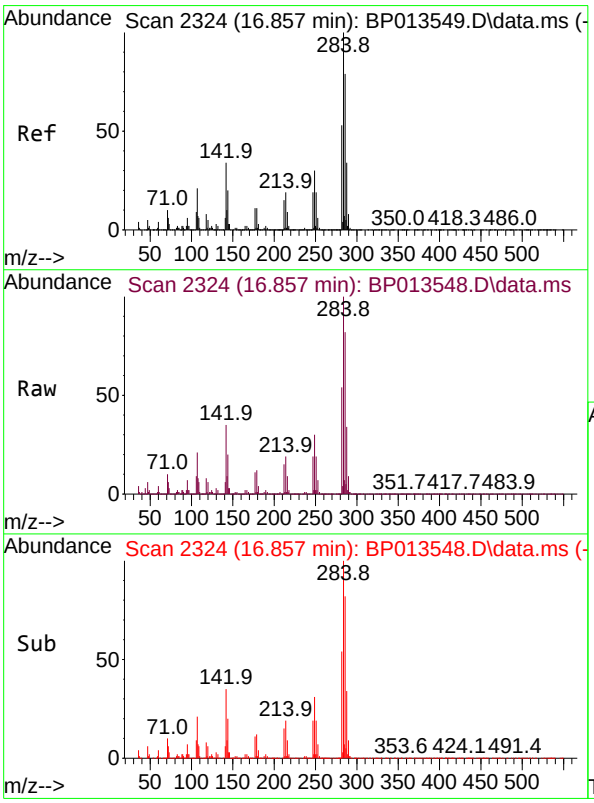
#67
4-Bromophenyl-phenylether
Concen: 19.823 ng
RT: 16.740 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 325519

Ion	Ratio	Lower	Upper
248	100		
250	98.4	78.1	117.1
141	72.5	58.1	87.1

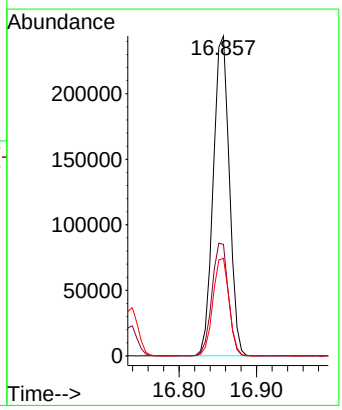


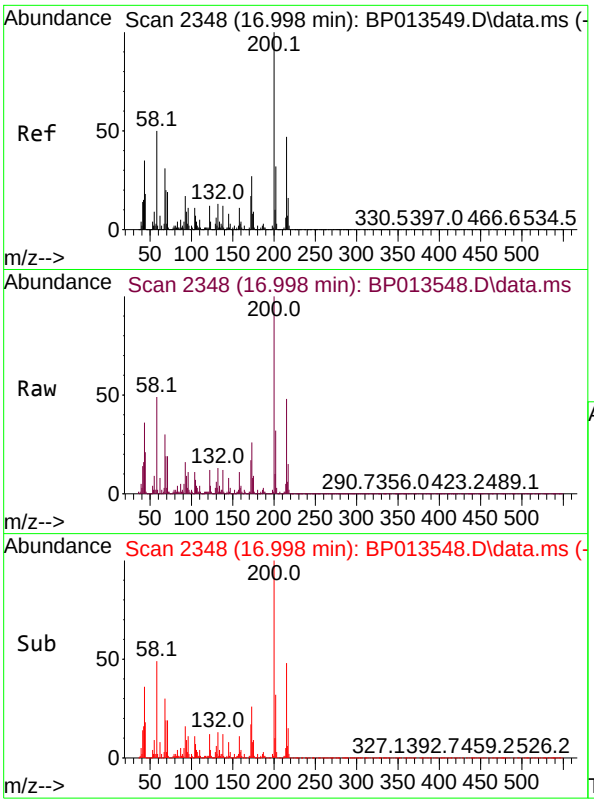


#68
Hexachlorobenzene
Concen: 19.822 ng
RT: 16.857 min Scan# 2324
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:284 Resp: 351590

Ion	Ratio	Lower	Upper
284	100		
142	34.8	27.3	40.9
249	30.5	24.0	36.0



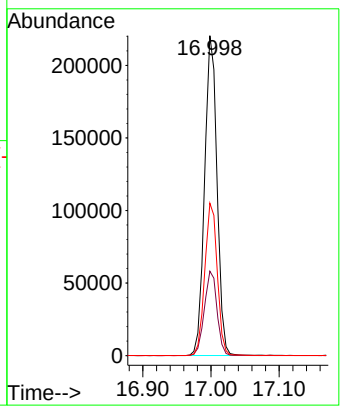


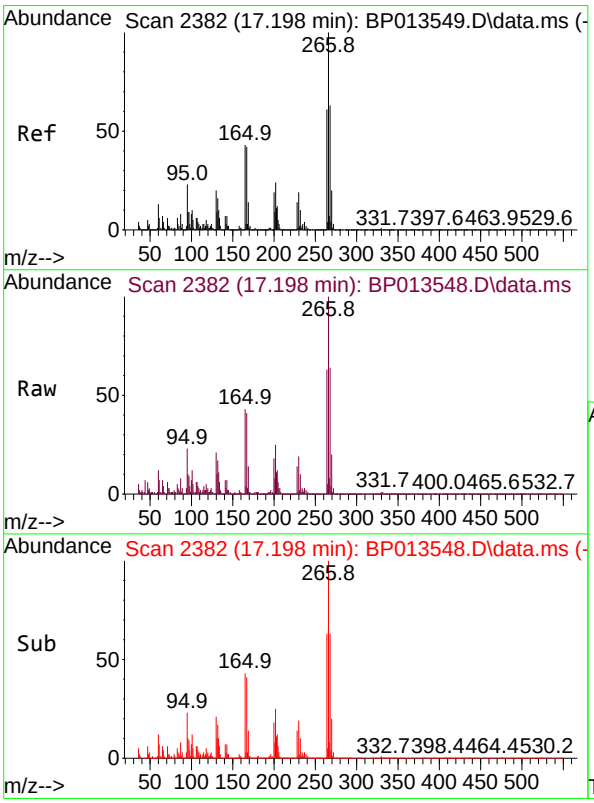
#69
Atrazine
Concen: 20.212 ng
RT: 16.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 279574

Ion	Ratio	Lower	Upper
200	100		
173	26.4	7.2	47.2
215	47.6	27.3	67.3

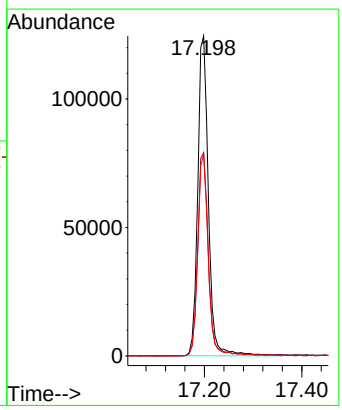


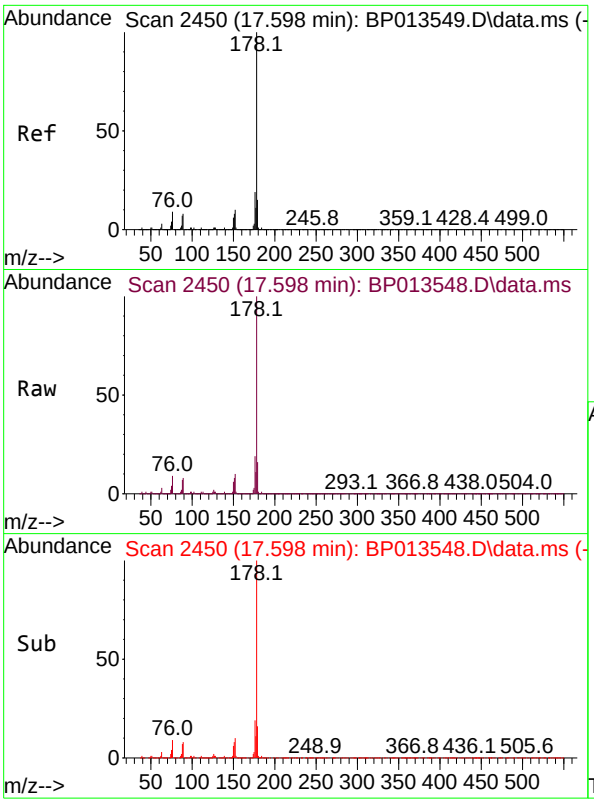


#70
Pentachlorophenol
Concen: 18.247 ng
RT: 17.198 min Scan# 2382
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:266 Resp: 188500

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.7	76.1
264	63.0	48.9	73.3



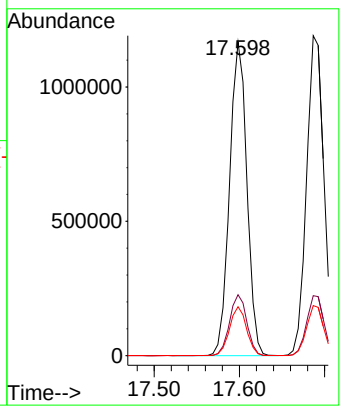


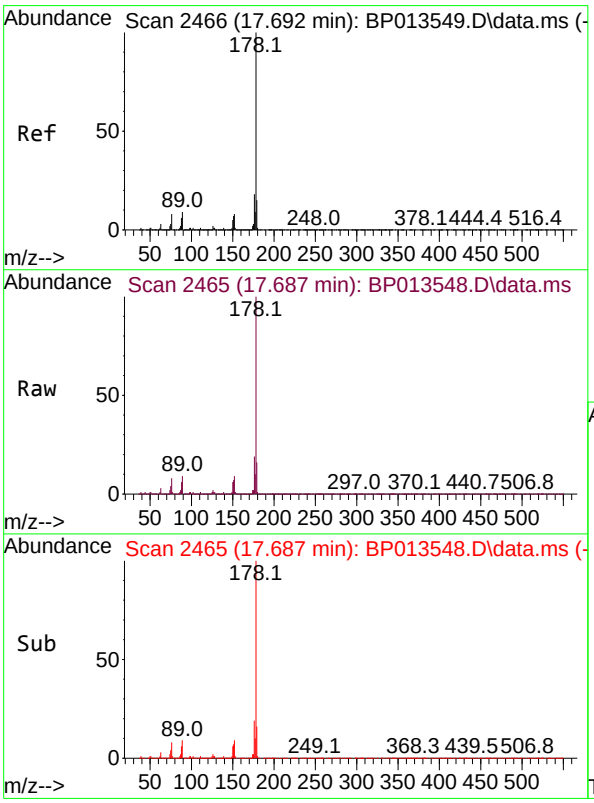
#71
Phenanthrene
Concen: 19.961 ng
RT: 17.598 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1646406

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	12.2	18.4

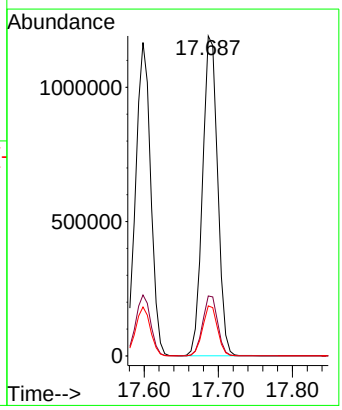


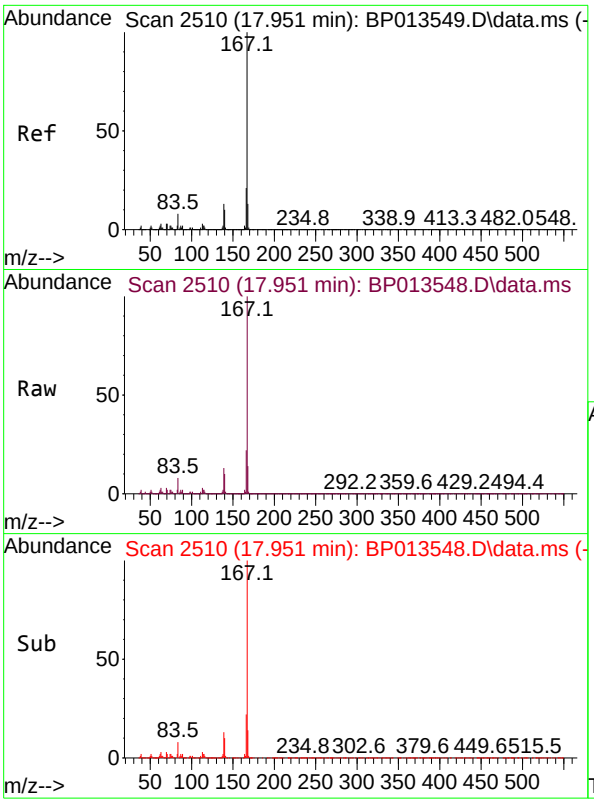


#72
Anthracene
Concen: 20.038 ng
RT: 17.687 min Scan# 2465
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:178 Resp: 1677461

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	15.6	12.3	18.5



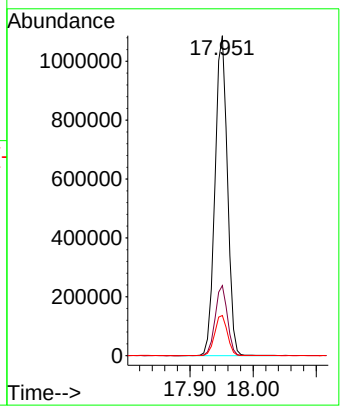


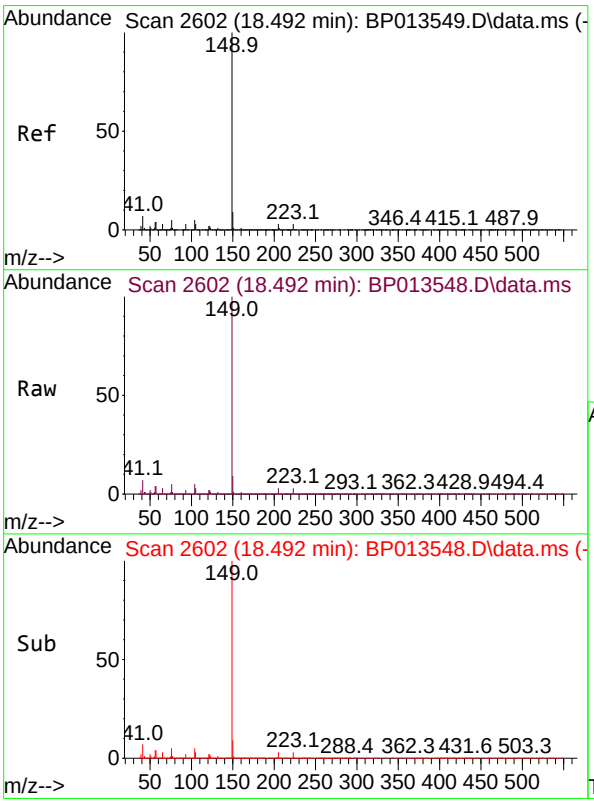
#73
Carbazole
Concen: 19.716 ng
RT: 17.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1483276

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.2	25.8
139	12.5	10.3	15.5

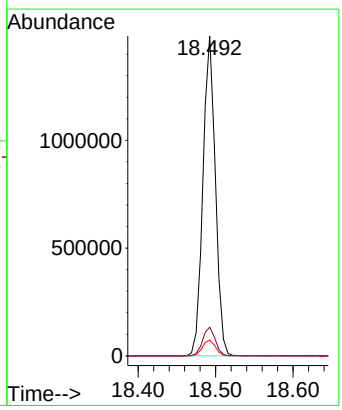


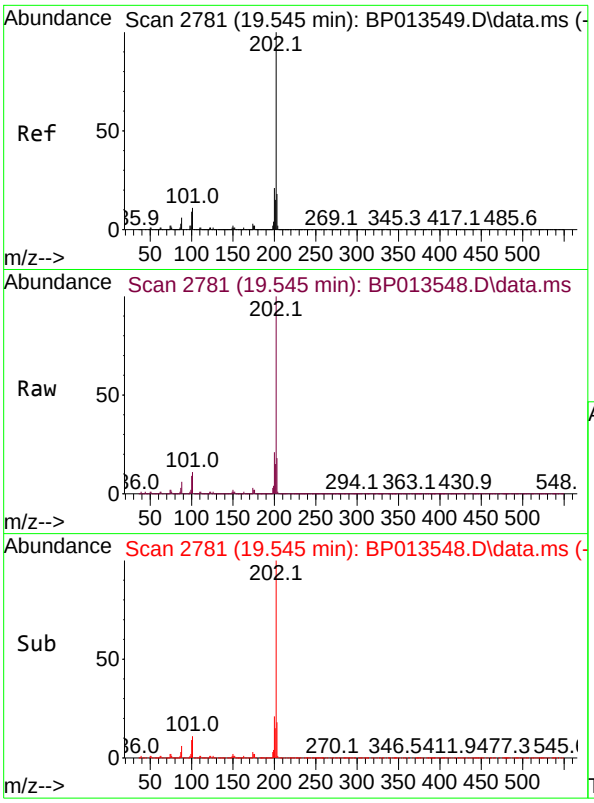


#74
Di-n-butylphthalate
Concen: 19.751 ng
RT: 18.492 min Scan# 2602
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:149 Resp: 1653769

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.0	3.9	5.9



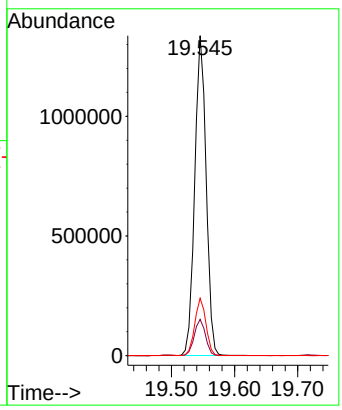


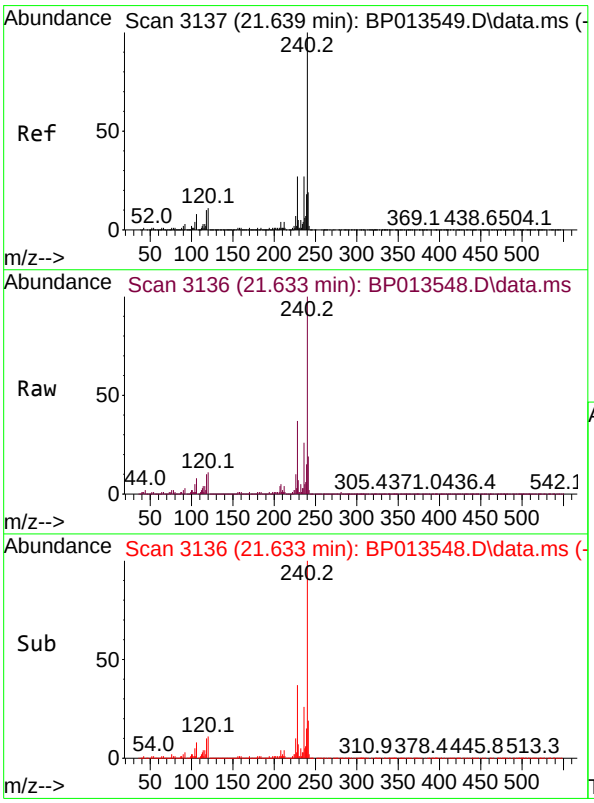
#75
Fluoranthene
Concen: 19.164 ng
RT: 19.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1680928

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.4
203	17.9	0.0	37.9

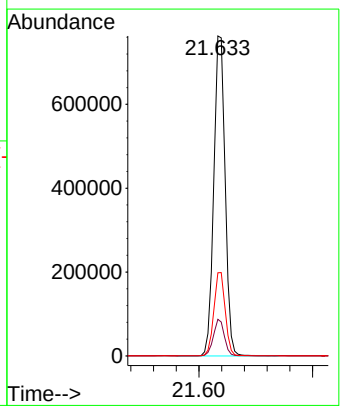


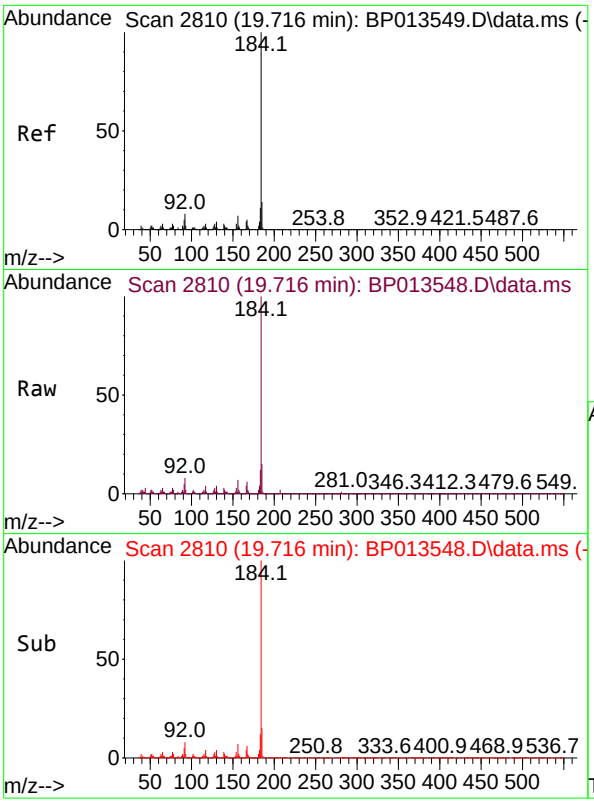


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3136
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:240 Resp: 1062938

Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.6	13.0
236	26.0	21.3	31.9



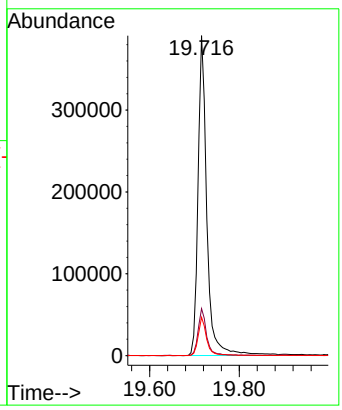


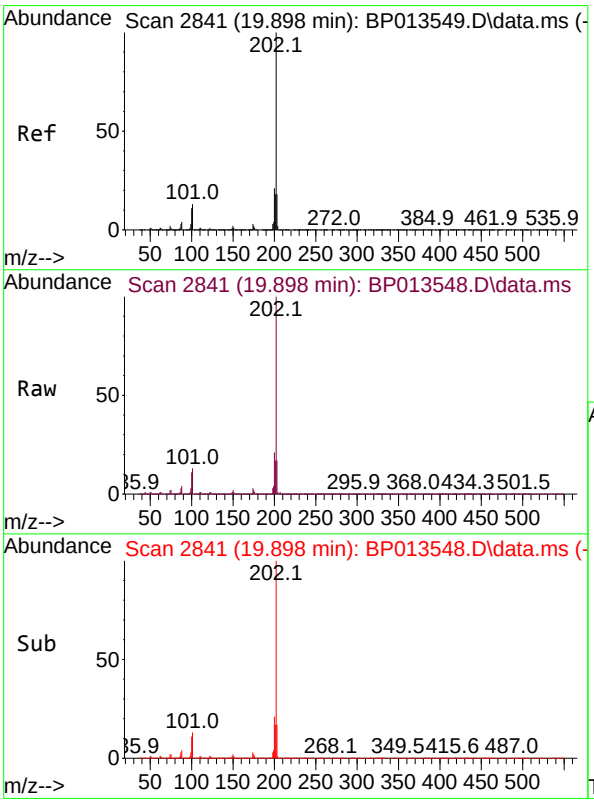
#77
Benzidine
Concen: 19.978 ng
RT: 19.716 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 534092

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	12.0	9.0	13.6

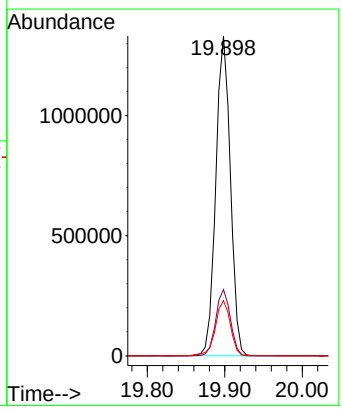


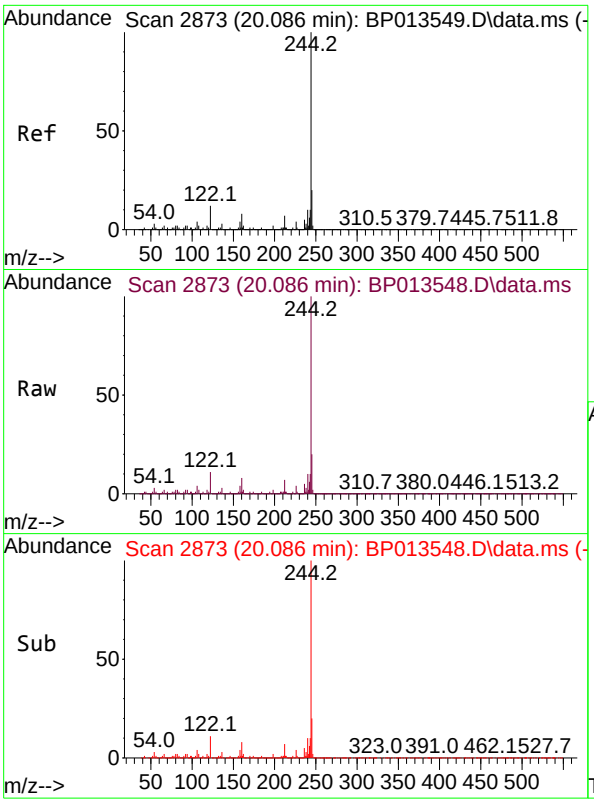


#78
Pyrene
Concen: 21.390 ng
RT: 19.898 min Scan# 2841
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:202 Resp: 1738516

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.6
203	17.3	14.2	21.2



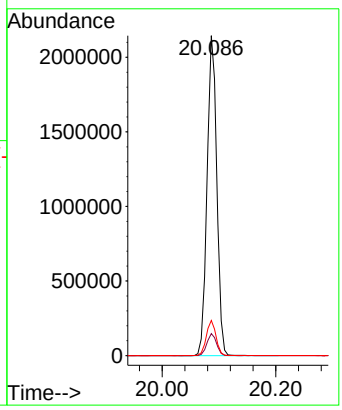


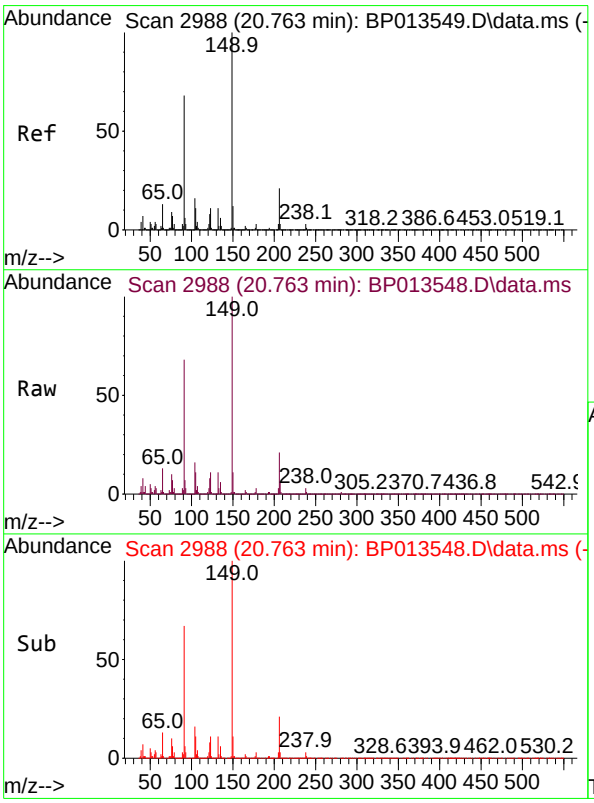
#79
Terphenyl-d14
Concen: 43.317 ng
RT: 20.086 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 2559411

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	11.0	9.2	13.8

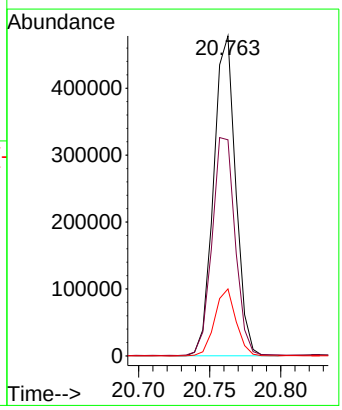


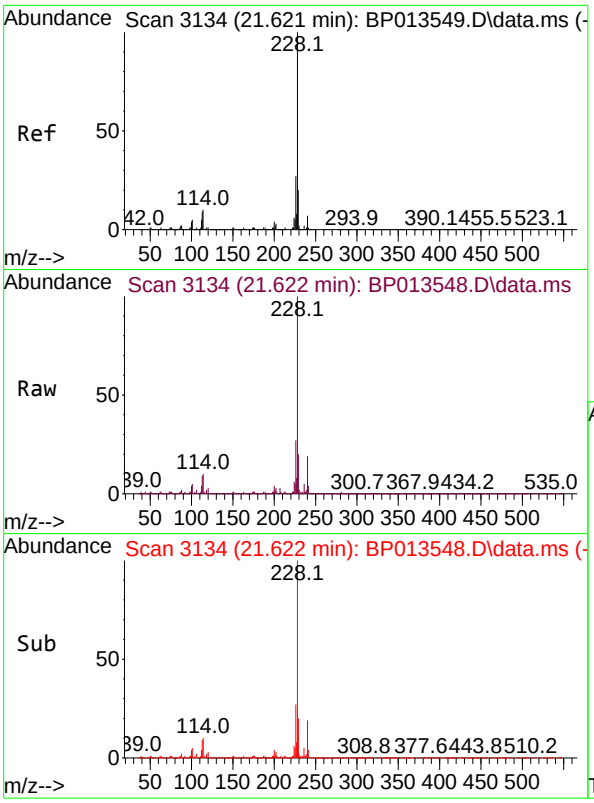


#80
Butylbenzylphthalate
Concen: 19.310 ng
RT: 20.763 min Scan# 2988
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:149 Resp: 517872

Ion	Ratio	Lower	Upper
149	100		
91	67.5	54.6	81.8
206	20.9	16.7	25.1



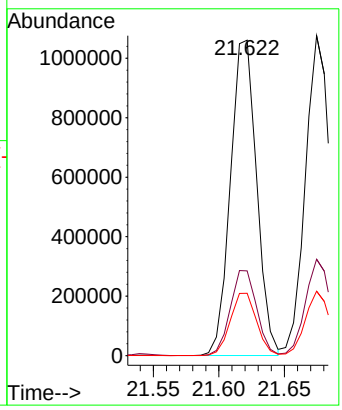


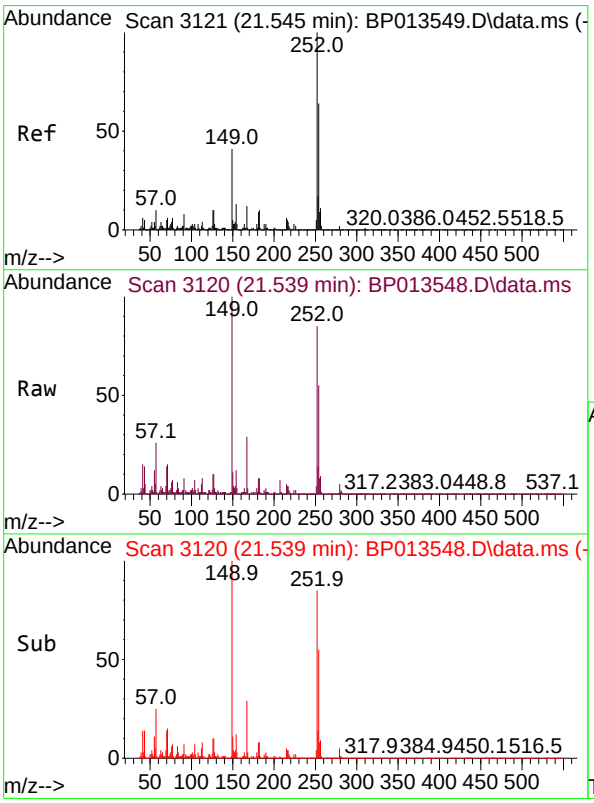
#81
Benzo(a)anthracene
Concen: 19.929 ng
RT: 21.622 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1475726

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.8	15.8	23.6

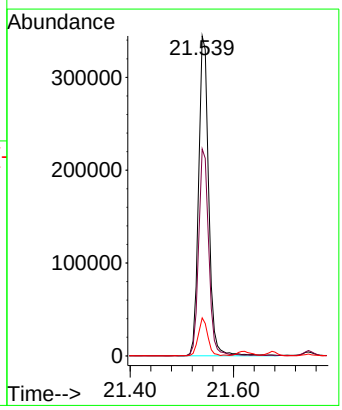


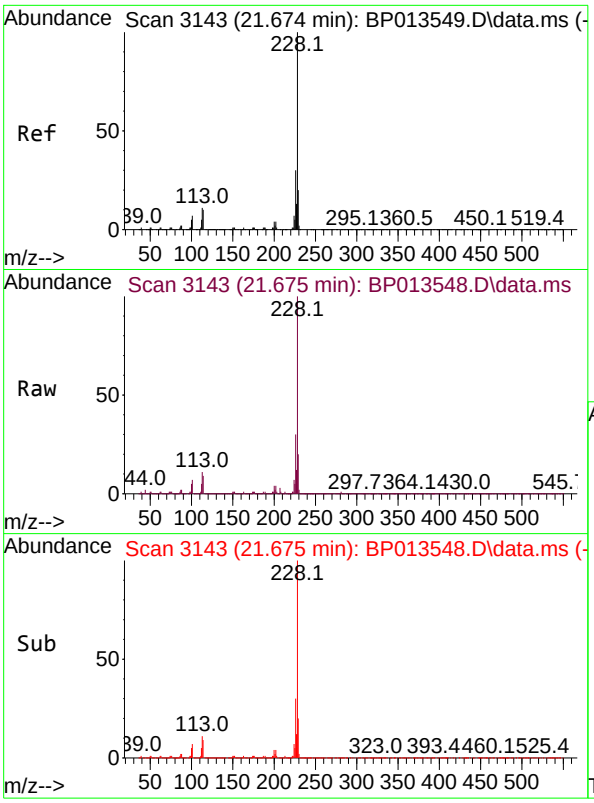


#82
3,3'-Dichlorobenzidine
Concen: 19.536 ng
RT: 21.539 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:252 Resp: 466122

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.4	77.0
126	11.9	8.3	12.5



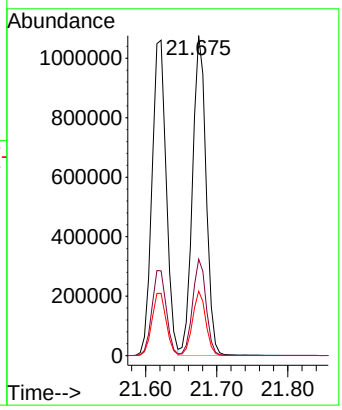


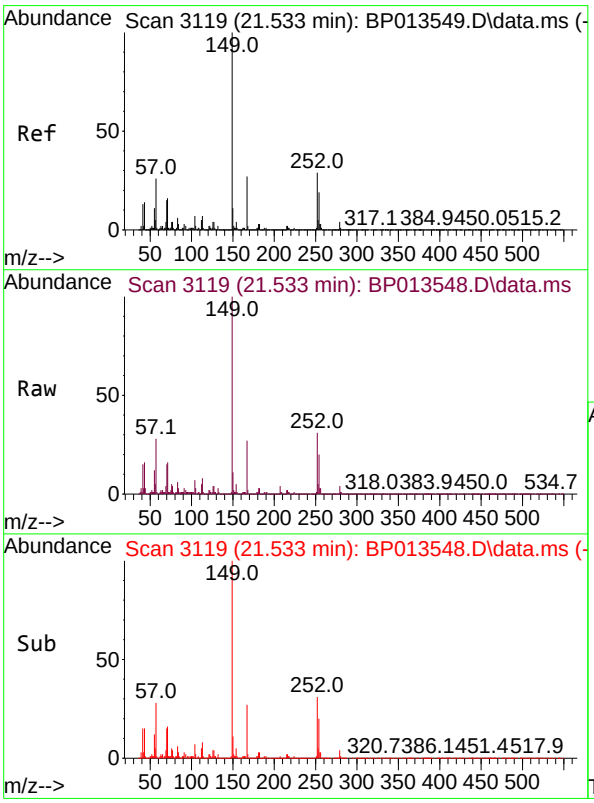
#83
Chrysene
Concen: 20.150 ng
RT: 21.675 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1427169

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	20.1	16.2	24.2

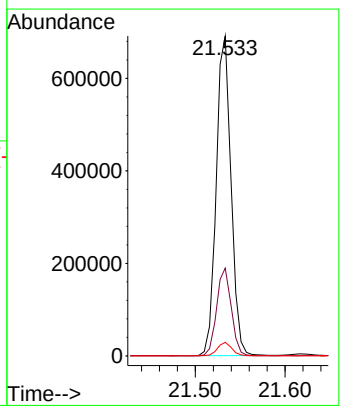


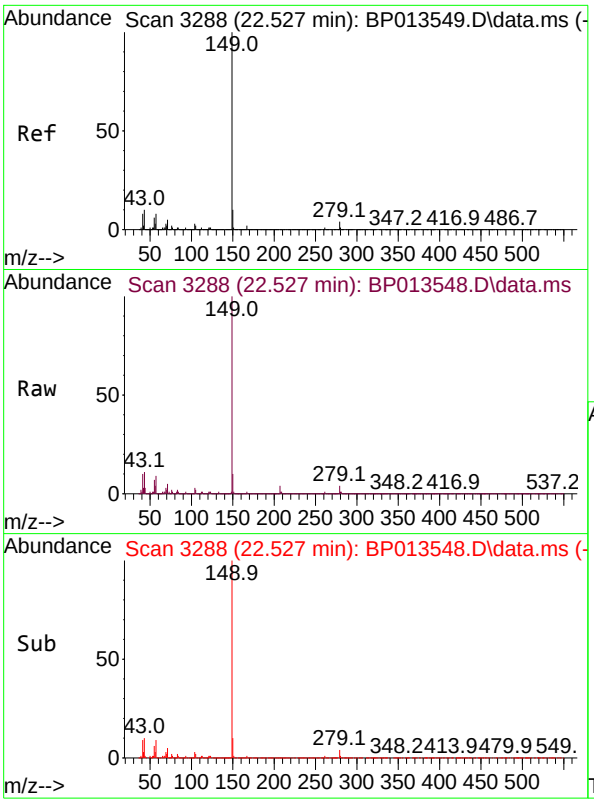


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.279 ng
RT: 21.533 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:149 Resp: 798437

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.0	33.0
279	4.2	3.5	5.3



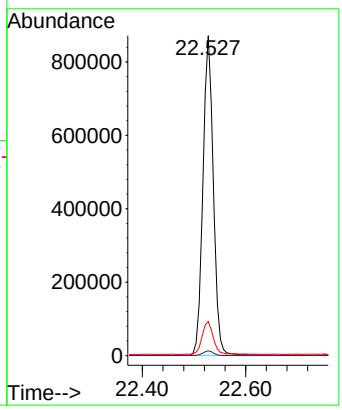


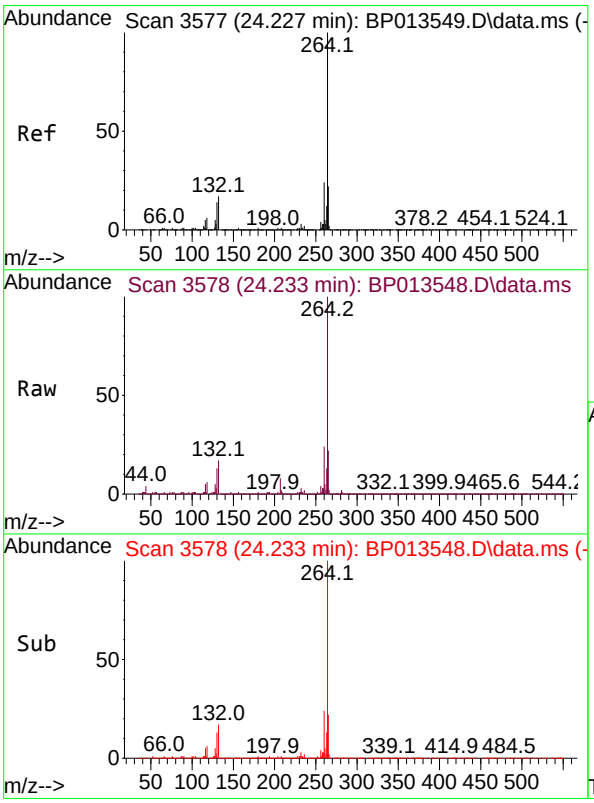
#85
Di-n-octyl phthalate
Concen: 18.216 ng
RT: 22.527 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1216262

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.0	8.2	12.4

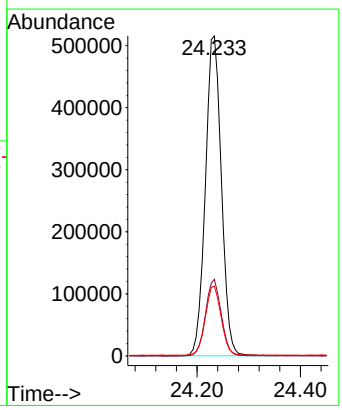


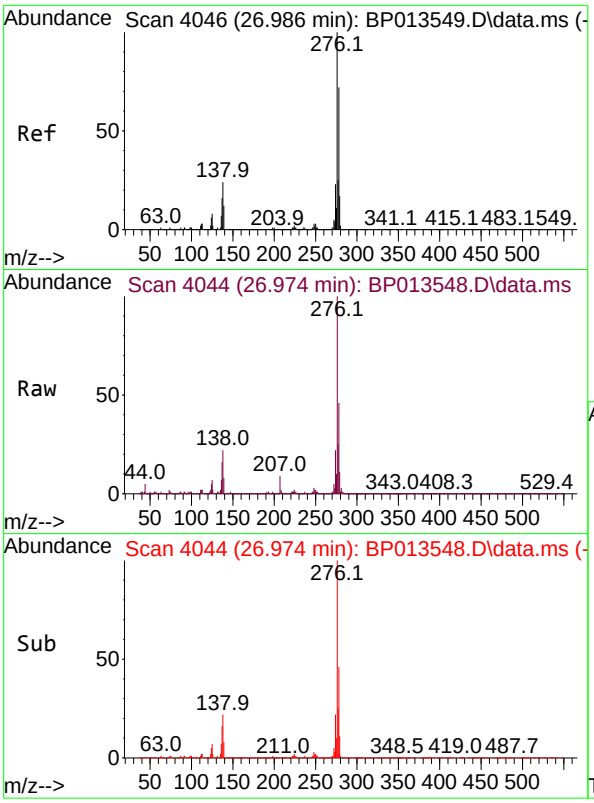


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.233 min Scan# 3578
Delta R.T. 0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:264 Resp: 1109780

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	21.8	17.4	26.2



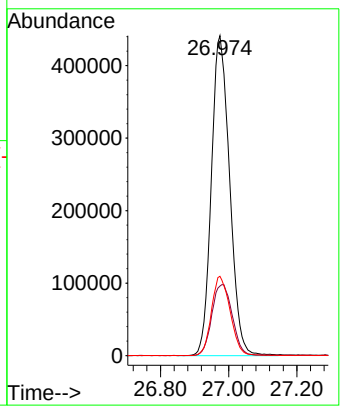


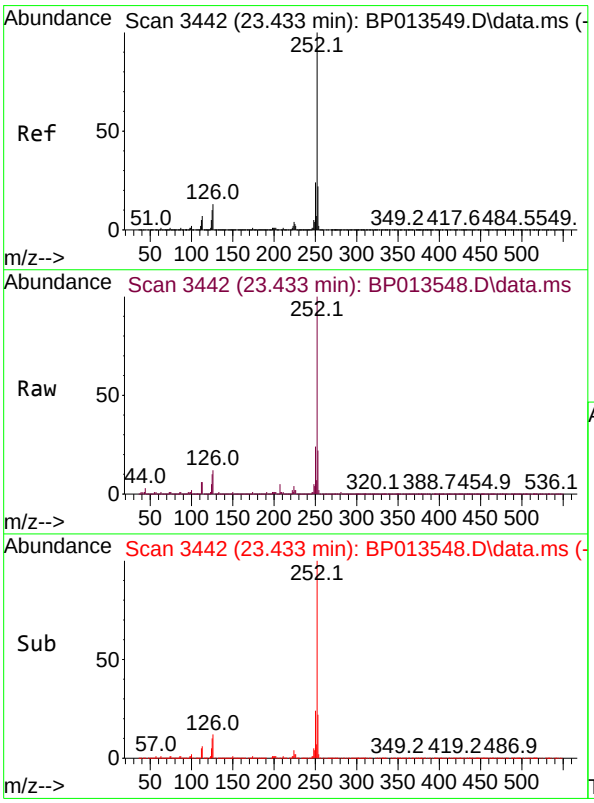
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.109 ng
RT: 26.974 min Scan# 40
Delta R.T. -0.012 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 1643812

Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.8	29.6
277	25.3	20.2	30.4

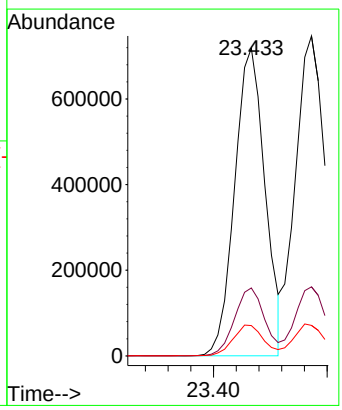


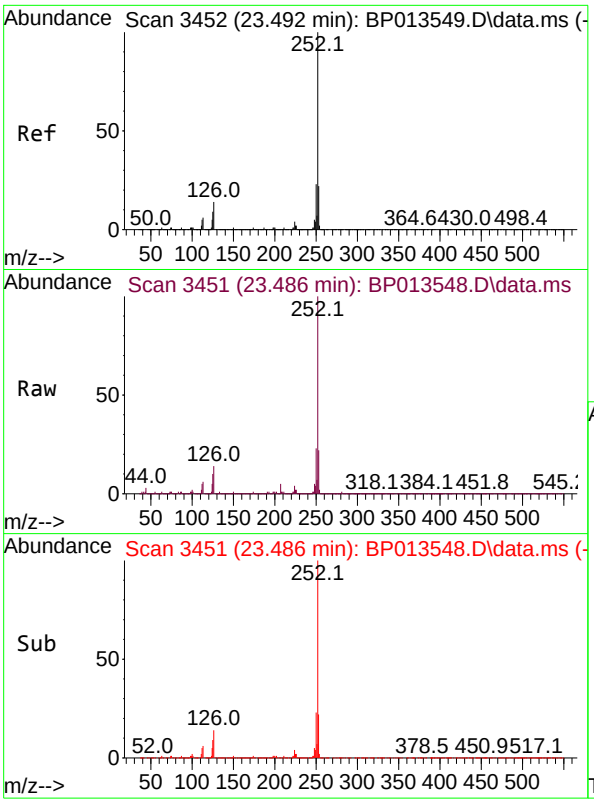


#88
Benzo(b)fluoranthene
Concen: 19.495 ng
RT: 23.433 min Scan# 3442
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:252 Resp: 1330945

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.9	8.0	12.0



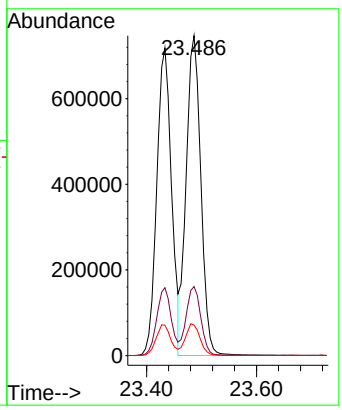


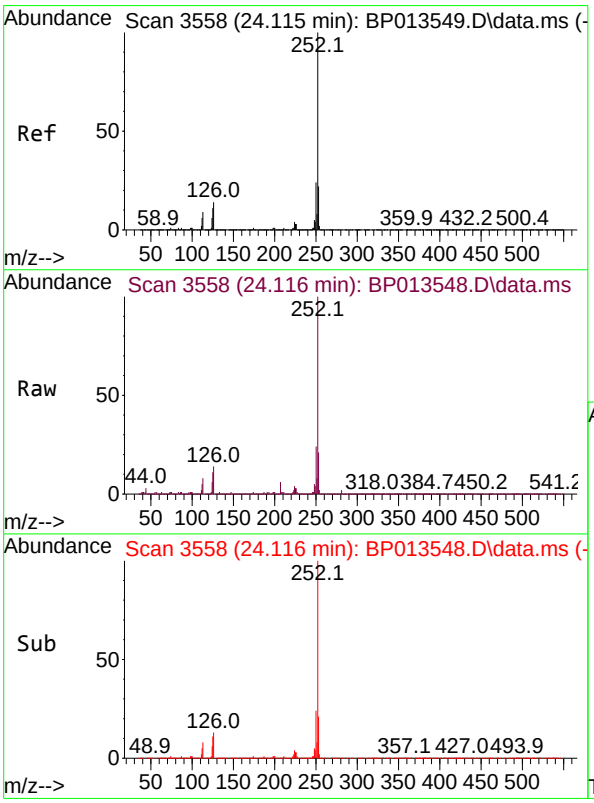
#89
Benzo(k)fluoranthene
Concen: 19.921 ng
RT: 23.486 min Scan# 34
Delta R.T. -0.006 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1387146

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	9.5	7.5	11.3

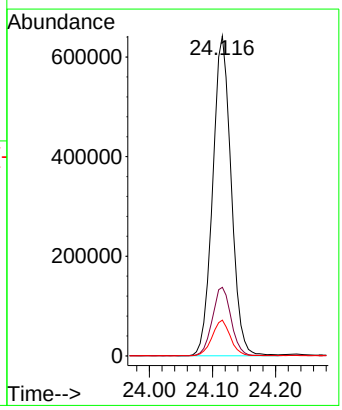


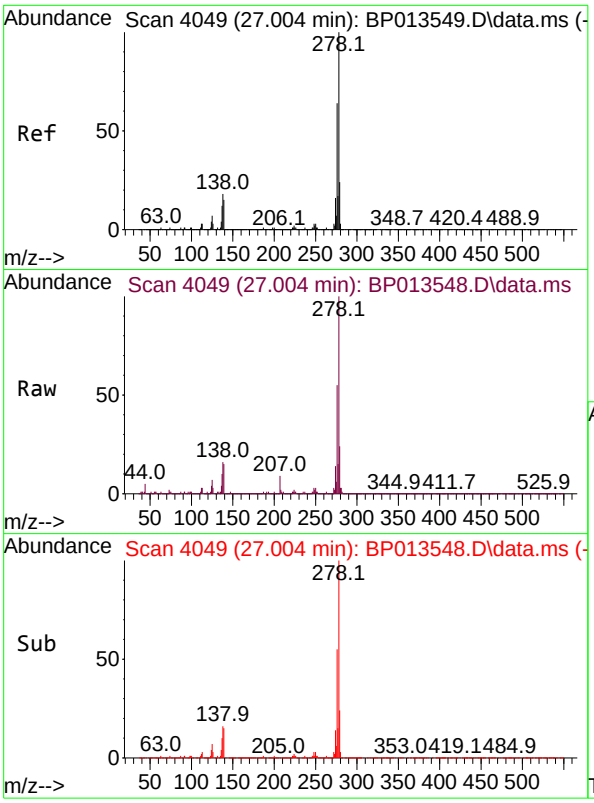


#90
Benzo(a)pyrene
Concen: 19.728 ng
RT: 24.116 min Scan# 3558
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:252 Resp: 1306496

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	11.2	8.9	13.3



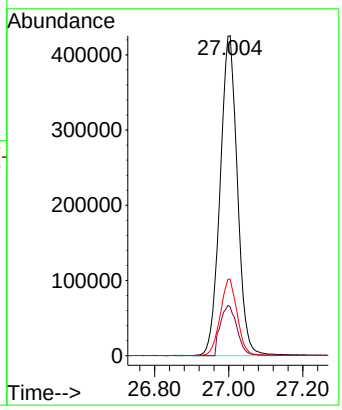


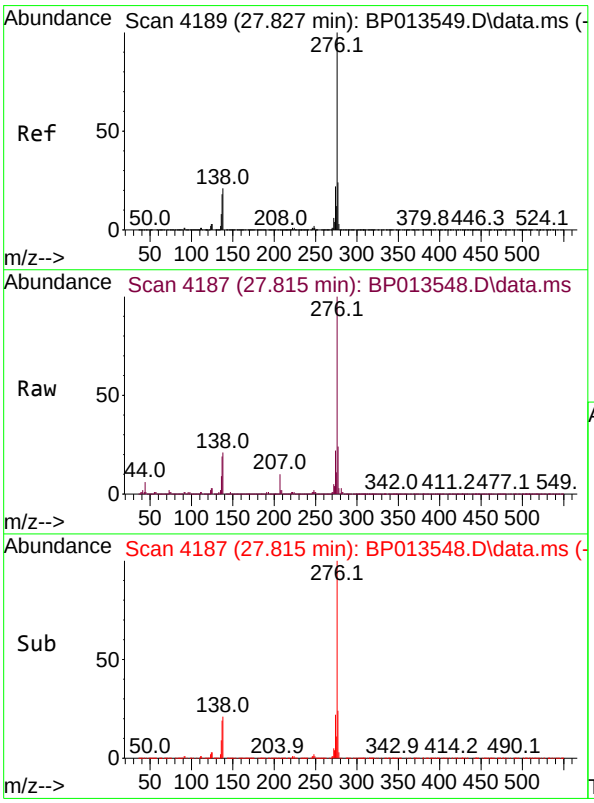
#91
Dibenzo(a,h)anthracene
Concen: 20.067 ng
RT: 27.004 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1375881

Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.3	18.5
279	23.9	19.0	28.6

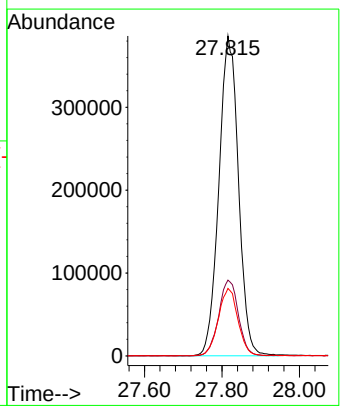




#92
Benzo(g,h,i)perylene
Concen: 16.547 ng
RT: 27.815 min Scan# 4187
Delta R.T. -0.012 min
Lab File: BP013548.D
Acq: 23 Jan 2023 13:08

Tgt Ion:276 Resp: 1352598

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	21.1	16.6	25.0



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013549.D
Acq On : 23 Jan 2023 13:42
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Jan 24 03:04:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.163	152	266953	20.000	ng	0.00
21) Naphthalene-d8	10.999	136	1040534	20.000	ng	0.00
39) Acenaphthene-d10	14.804	164	576242	20.000	ng	0.00
64) Phenanthrene-d10	17.557	188	1099756	20.000	ng	0.00
76) Chrysene-d12	21.639	240	969658	20.000	ng	0.00
86) Perylene-d12	24.227	264	1100448	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	1314005	84.335	ng	0.00
7) Phenol-d6	7.305	99	1736100	82.791	ng	0.00
23) Nitrobenzene-d5	9.340	82	1374858	87.228	ng	0.00
42) 2,4,6-Tribromophenol	16.292	330	491867	81.871	ng	0.00
45) 2-Fluorobiphenyl	13.428	172	3530648	84.103	ng	0.00
79) Terphenyl-d14	20.086	244	4311910	79.999	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.534	88	264139	42.053	ng	100
3) Pyridine	3.940	79	789787	42.484	ng	100
4) n-Nitrosodimethylamine	3.852	42	353275	41.904	ng	100
6) Aniline	7.481	93	1157358	41.085	ng	100
8) 2-Chlorophenol	7.722	128	712455	41.439	ng	100
9) Benzaldehyde	7.293	77	489132	43.033	ng	100
10) Phenol	7.334	94	896033	41.243	ng	100
11) bis(2-Chloroethyl)ether	7.575	93	725875	40.861	ng	100
12) 1,3-Dichlorobenzene	8.052	146	789544	41.527	ng	100
13) 1,4-Dichlorobenzene	8.199	146	798737	41.431	ng	100
14) 1,2-Dichlorobenzene	8.522	146	769058	41.198	ng	100
15) Benzyl Alcohol	8.399	79	608092	40.588	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.693	45	980585	40.258	ng	100
17) 2-Methylphenol	8.599	107	644739	40.862	ng	100
18) Hexachloroethane	9.263	117	270270	41.942	ng	100
19) n-Nitroso-di-n-propyla...	8.975	70	546198	40.440	ng	100
20) 3+4-Methylphenols	8.928	107	844588	40.668	ng	100
22) Acetophenone	8.993	105	1106543	41.453	ng	100
24) Nitrobenzene	9.381	77	730602	43.111	ng	100
25) Isophorone	9.910	82	1494081	39.964	ng	100
26) 2-Nitrophenol	10.099	139	220148	41.660	ng	100
27) 2,4-Dimethylphenol	10.151	122	668830	40.584	ng	100
28) bis(2-Chloroethoxy)met...	10.393	93	914245	40.580	ng	100
29) 2,4-Dichlorophenol	10.634	162	620231	41.781	ng	100
30) 1,2,4-Trichlorobenzene	10.857	180	698648	41.240	ng	100
31) Naphthalene	11.051	128	2306056	41.224	ng	100
32) Benzoic acid	10.257	122	271843	37.740	ng	100
33) 4-Chloroaniline	11.151	127	1003416	40.538	ng	100
34) Hexachlorobutadiene	11.334	225	411619	41.752	ng	100
35) Caprolactam	11.916	113	188887	39.392	ng	100
36) 4-Chloro-3-methylphenol	12.251	107	653008	40.392	ng	100
37) 2-Methylnaphthalene	12.640	142	1606734	40.408	ng	100
38) 1-Methylnaphthalene	12.857	142	1492546	39.947	ng	100
40) 1,2,4,5-Tetrachloroben...	13.004	216	751266	42.347	ng	100
41) Hexachlorocyclopentadiene	12.987	237	347517	41.612	ng	100
43) 2,4,6-Trichlorophenol	13.234	196	438753	42.256	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013549.D
Acq On : 23 Jan 2023 13:42
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Jan 24 03:04:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	13.304	196	522474	42.583	ng	100
46)	1,1'-Biphenyl	13.640	154	1932828	41.765	ng	100
47)	2-Chloronaphthalene	13.687	162	1444139	41.653	ng	100
48)	2-Nitroaniline	13.875	65	303548	43.758	ng	100
49)	Acenaphthylene	14.528	152	2349294	41.434	ng	100
50)	Dimethylphthalate	14.251	163	1727890	40.338	ng	100
51)	2,6-Dinitrotoluene	14.369	165	304657	44.049	ng	100
52)	Acenaphthene	14.869	154	1441675	41.162	ng	100
53)	3-Nitroaniline	14.698	138	347445	43.815	ng	100
54)	2,4-Dinitrophenol	14.898	184	74434	35.316	ng	100
55)	Dibenzofuran	15.198	168	2191547	40.806	ng	100
56)	4-Nitrophenol	14.987	139	263829	40.786	ng	100
57)	2,4-Dinitrotoluene	15.151	165	360630	43.369	ng	100
58)	Fluorene	15.851	166	1739565	40.752	ng	100
59)	2,3,4,6-Tetrachlorophenol	15.416	232	388377	41.224	ng	100
60)	Diethylphthalate	15.616	149	1670982	39.941	ng	100
61)	4-Chlorophenyl-phenyle...	15.839	204	848108	40.406	ng	100
62)	4-Nitroaniline	15.857	138	358025	44.253	ng	100
63)	Azobenzene	16.134	77	1636697	40.260	ng	100
65)	4,6-Dinitro-2-methylph...	15.916	198	117049	36.827	ng	100
66)	n-Nitrosodiphenylamine	16.051	169	1485470	41.419	ng	100
67)	4-Bromophenyl-phenylether	16.739	248	497757	40.860	ng	100
68)	Hexachlorobenzene	16.857	284	534487	40.619	ng	100
69)	Atrazine	16.998	200	437218	42.607	ng	100
70)	Pentachlorophenol	17.198	266	314263	41.008	ng	100
71)	Phenanthrene	17.598	178	2530902	41.362	ng	100
72)	Anthracene	17.692	178	2598557	41.843	ng	100
73)	Carbazole	17.951	167	2345474	42.026	ng	100
74)	Di-n-butylphthalate	18.492	149	2608944	42.002	ng	100
75)	Fluoranthene	19.545	202	2760809	42.428	ng	100
77)	Benzidine	19.716	184	1024493	42.009	ng	100
78)	Pyrene	19.898	202	2873475	38.756	ng	100
80)	Butylbenzylphthalate	20.763	149	1021435	41.751	ng	100
81)	Benzo(a)anthracene	21.621	228	2775984	41.094	ng	100
82)	3,3'-Dichlorobenzidine	21.545	252	934127	42.918	ng	100
83)	Chrysene	21.674	228	2669312	41.314	ng	100
84)	Bis(2-ethylhexyl)phtha...	21.533	149	1578132	41.772	ng	100
85)	Di-n-octyl phthalate	22.527	149	2640501	43.351	ng	100
87)	Indeno(1,2,3-cd)pyrene	26.986	276	3496727	43.139	ng	100
88)	Benzo(b)fluoranthene	23.433	252	2791072	41.229	ng	100
89)	Benzo(k)fluoranthene	23.492	252	2780108	40.264	ng	100
90)	Benzo(a)pyrene	24.115	252	2728136	41.543	ng	100
91)	Dibenzo(a,h)anthracene	27.004	278	2929191	43.083	ng	100
92)	Benzo(g,h,i)perylene	27.827	276	2854720	35.219	ng	100

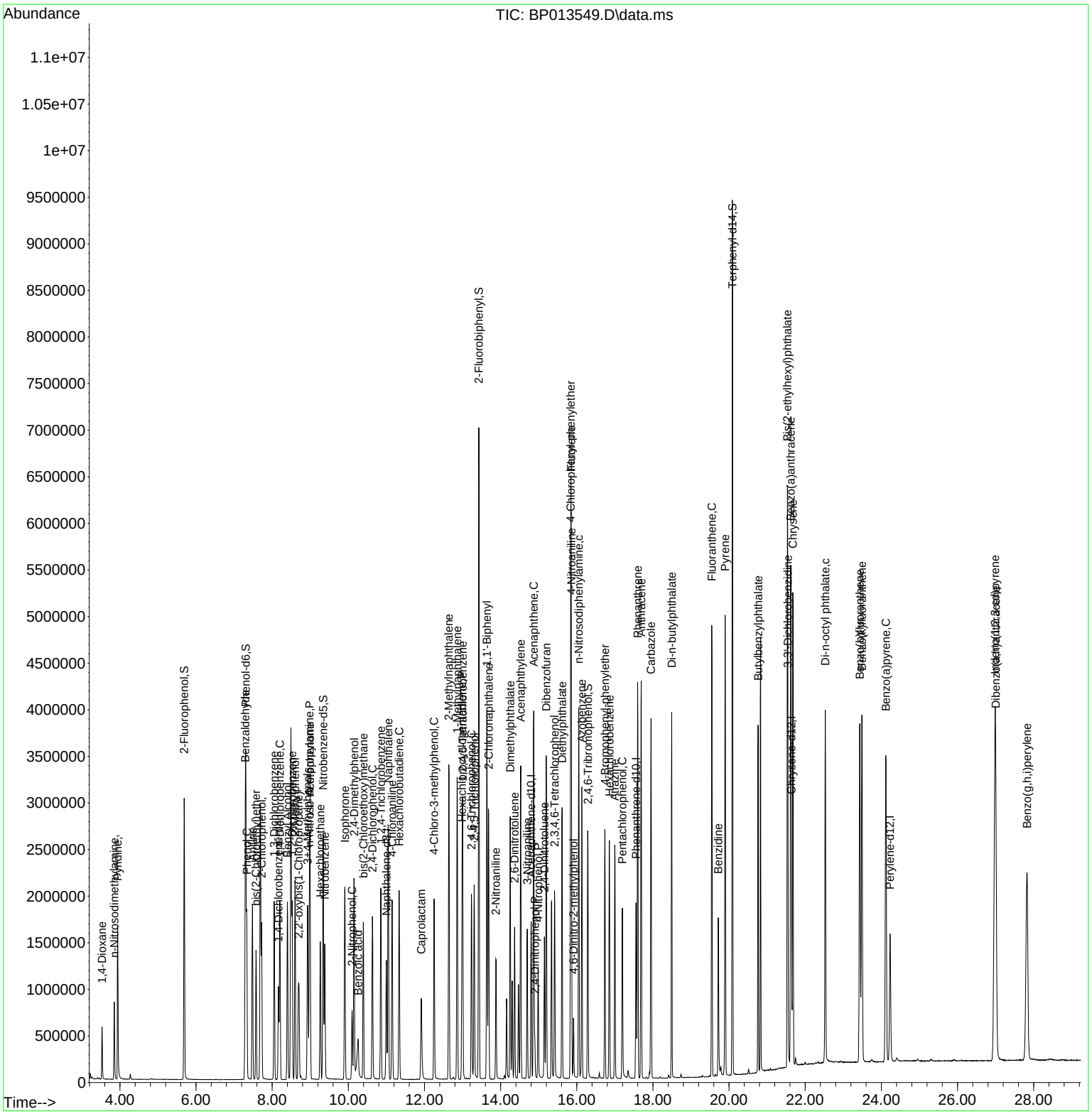
(#) = qualifier out of range (m) = manual integration (+) = signals summed

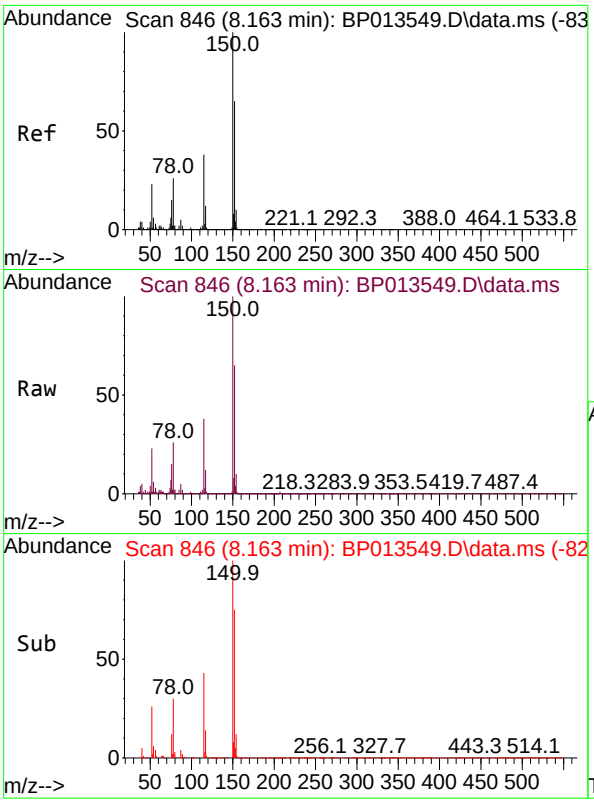
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013549.D
Acq On : 23 Jan 2023 13:42
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Jan 24 03:04:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration



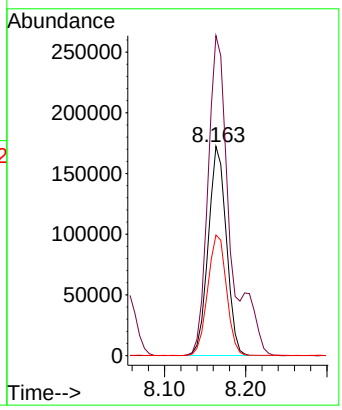


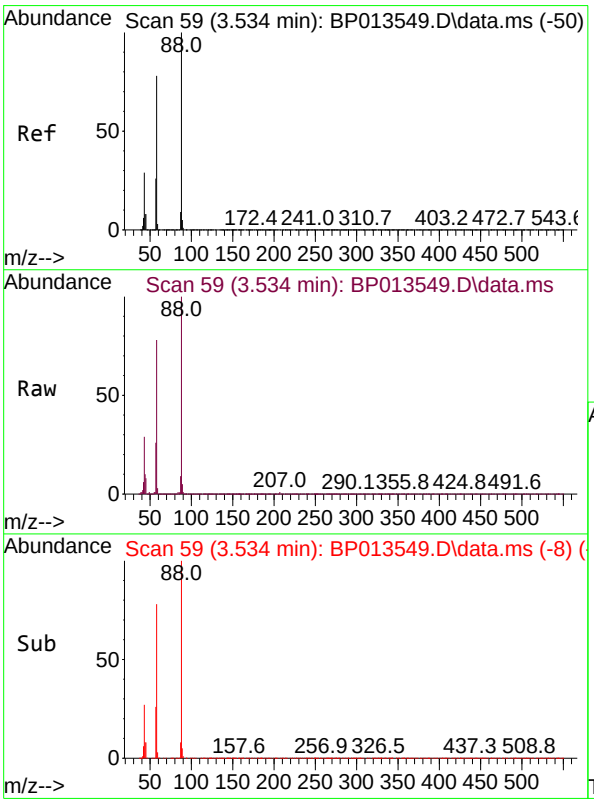
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.163 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 266953

Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.4	183.6
115	57.6	46.1	69.1

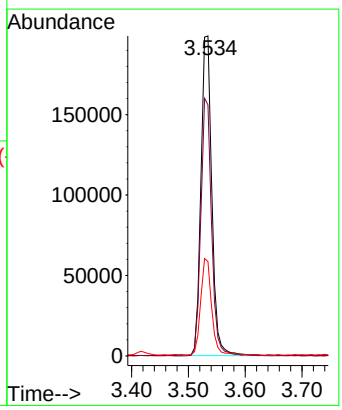


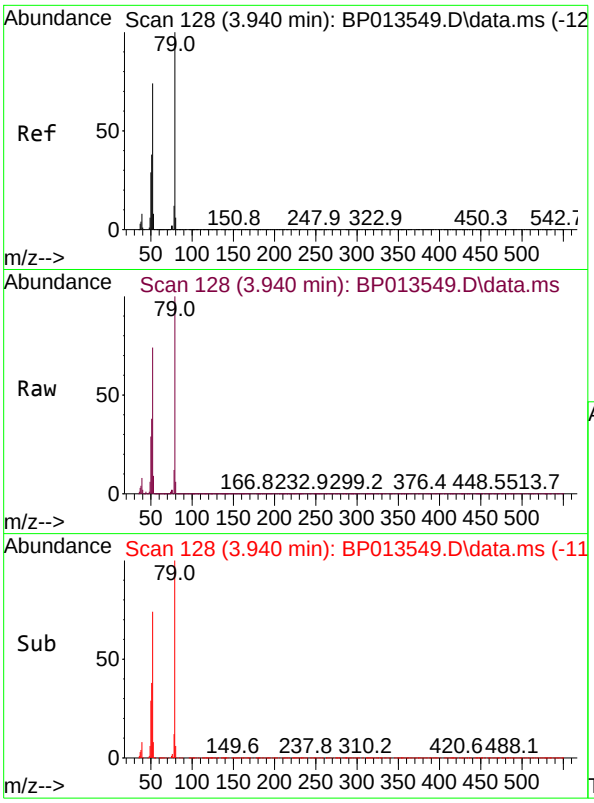


#2
1,4-Dioxane
Concen: 42.053 ng
RT: 3.534 min Scan# 59
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion: 88 Resp: 264139

Ion	Ratio	Lower	Upper
88	100		
58	79.5	63.6	95.4
43	30.2	24.2	36.2



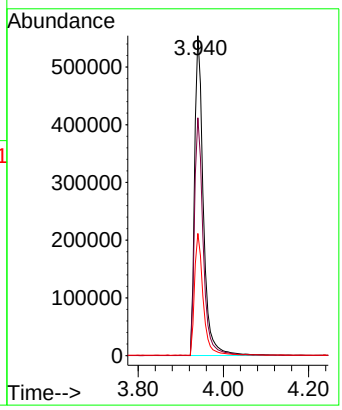


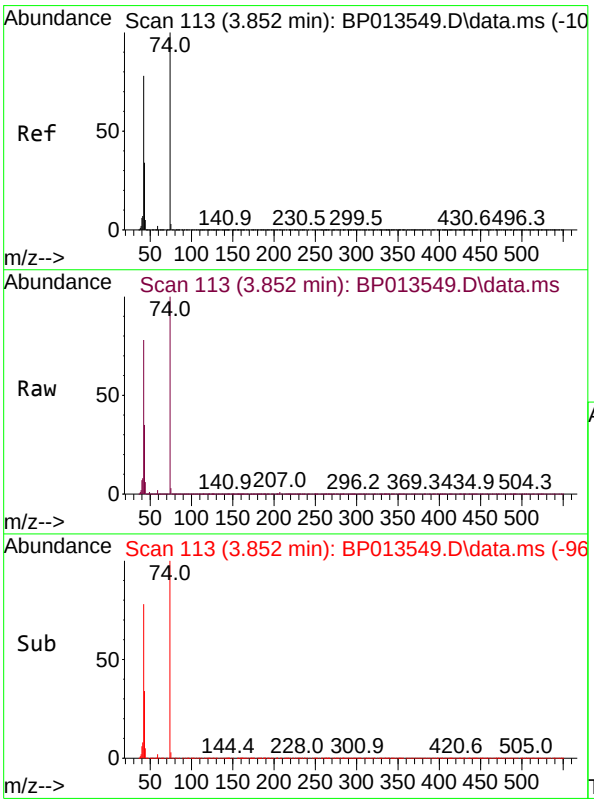
#3
Pyridine
Concen: 42.484 ng
RT: 3.940 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 789787

Ion	Ratio	Lower	Upper
79	100		
52	74.3	59.4	89.2
51	38.2	30.6	45.8

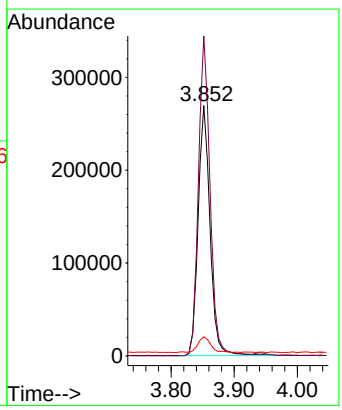


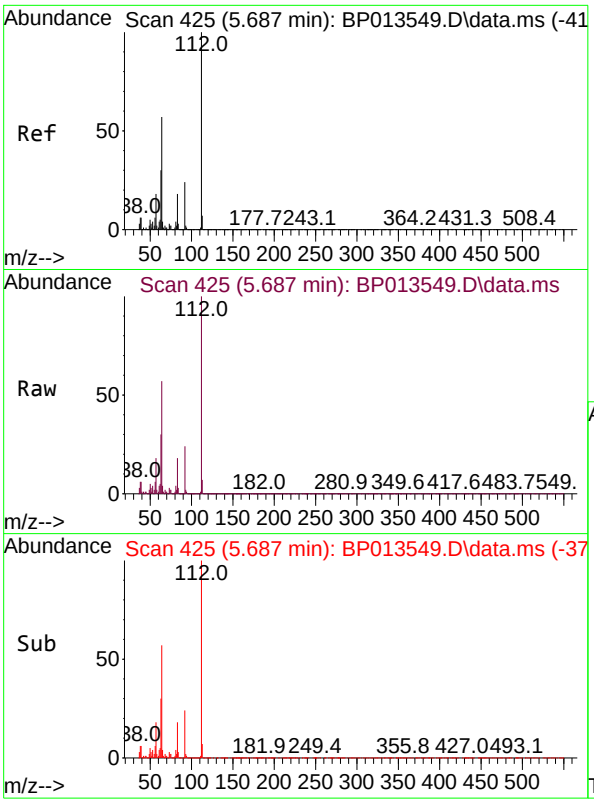


#4
n-Nitrosodimethylamine
Concen: 41.904 ng
RT: 3.852 min Scan# 113
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion: 42 Resp: 353275

Ion	Ratio	Lower	Upper
42	100		
74	127.9	102.3	153.5
44	7.7	6.2	9.2



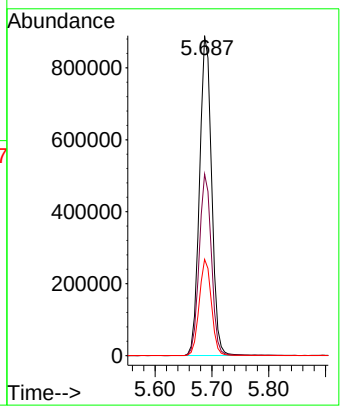


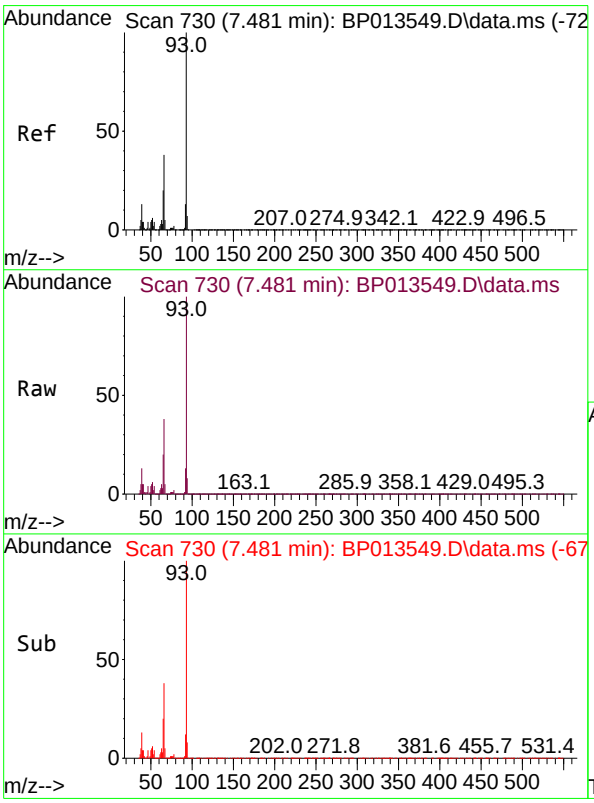
#5
2-Fluorophenol
Concen: 84.335 ng
RT: 5.687 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1314005

Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.4	68.0
63	30.1	24.1	36.1

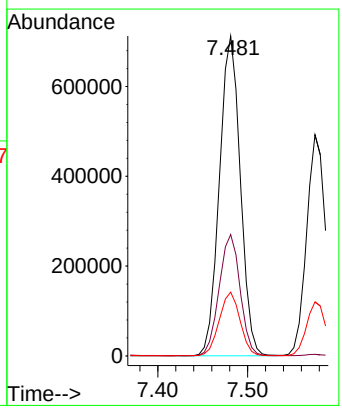


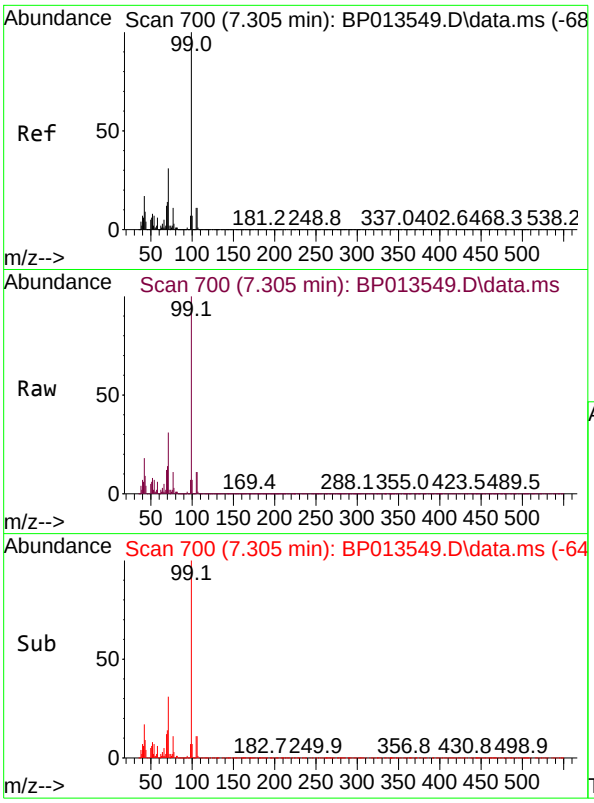


#6
Aniline
Concen: 41.085 ng
RT: 7.481 min Scan# 730
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion: 93 Resp: 1157358

Ion	Ratio	Lower	Upper
93	100		
66	37.9	30.3	45.5
65	19.9	15.9	23.9



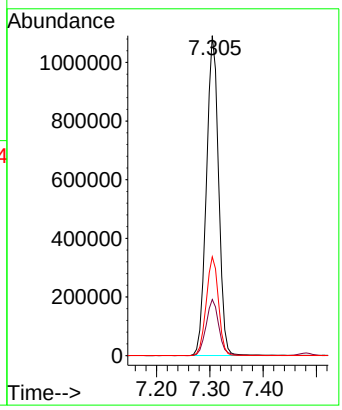


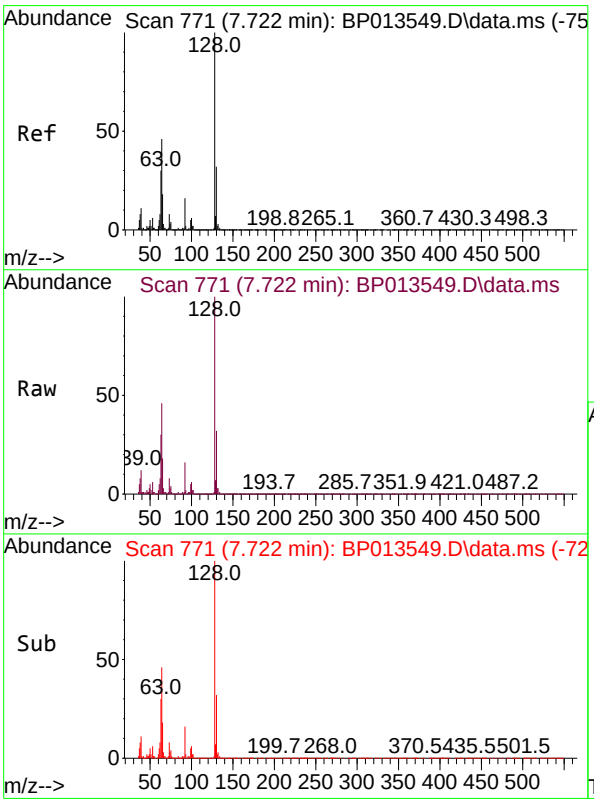
#7
Phenol-d6
Concen: 82.791 ng
RT: 7.305 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1736100

Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.0	21.0
71	30.9	24.7	37.1

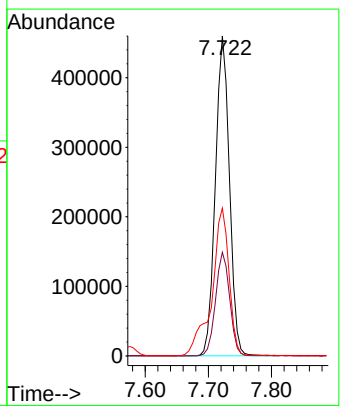


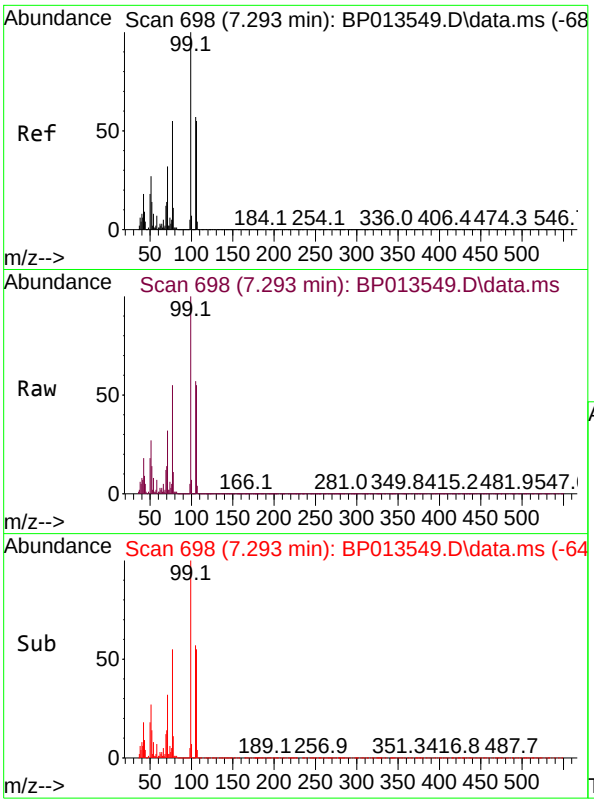


#8
2-Chlorophenol
Concen: 41.439 ng
RT: 7.722 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:128 Resp: 712455

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.4	52.4
64	46.2	26.2	66.2



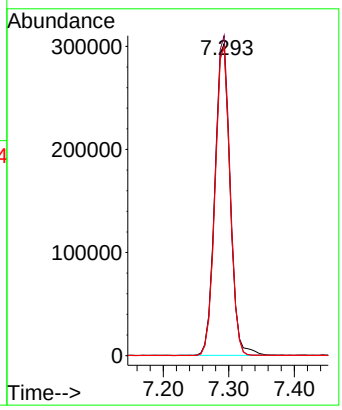


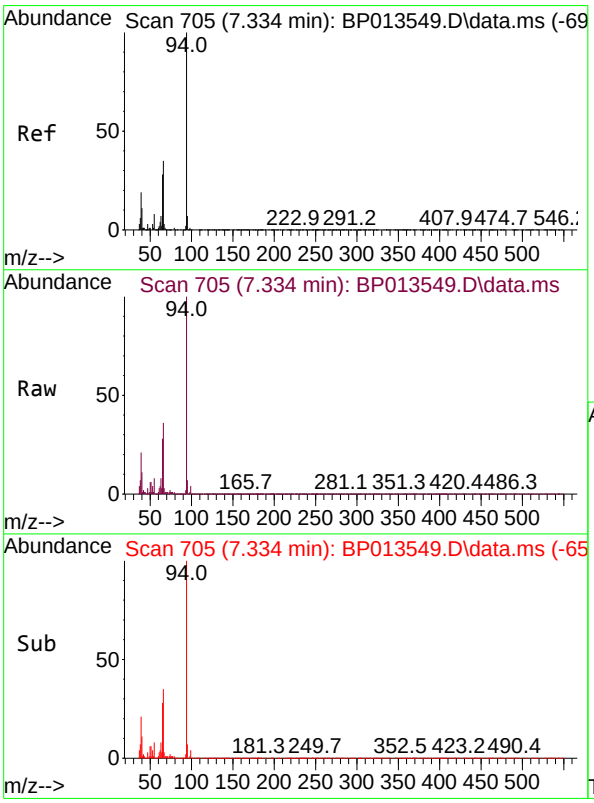
#9
Benzaldehyde
Concen: 43.033 ng
RT: 7.293 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 489132

Ion	Ratio	Lower	Upper
77	100		
105	102.6	82.6	122.6
106	98.9	78.9	118.9

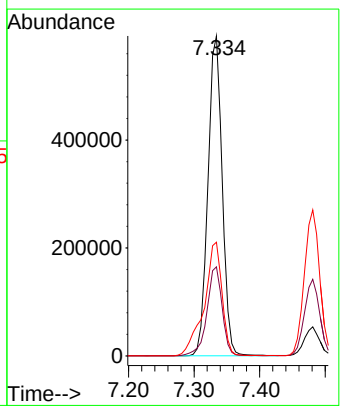


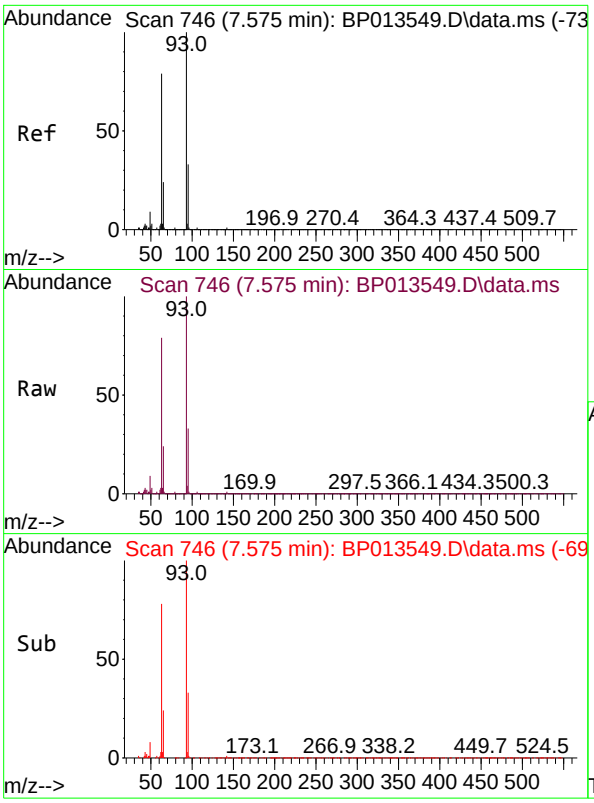


#10
Phenol
Concen: 41.243 ng
RT: 7.334 min Scan# 705
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion: 94 Resp: 896033

Ion	Ratio	Lower	Upper
94	100		
65	27.8	7.8	47.8
66	35.5	15.5	55.5



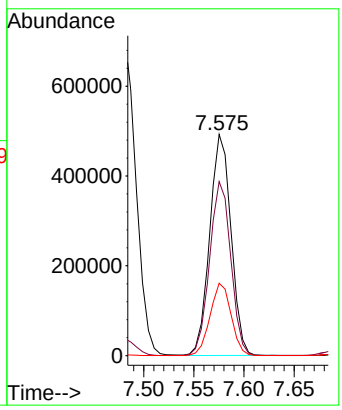


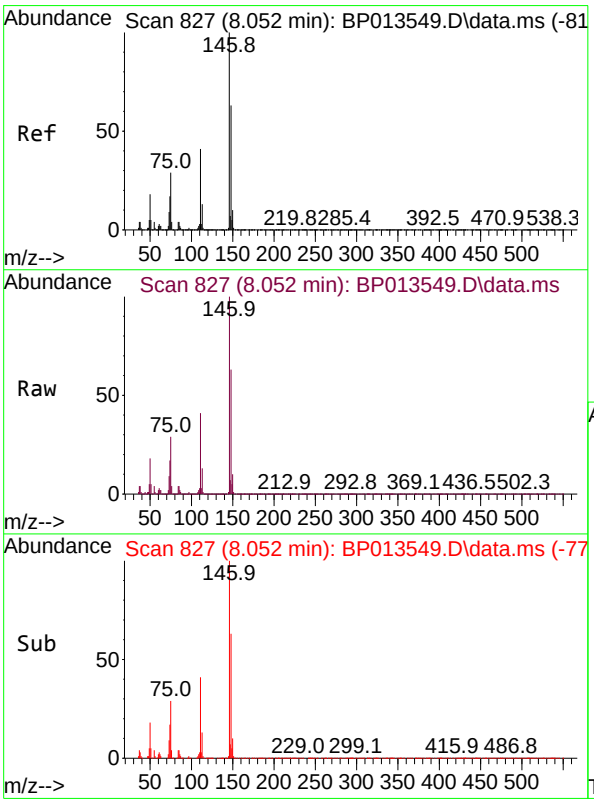
#11
bis(2-Chloroethyl)ether
Concen: 40.861 ng
RT: 7.575 min Scan# 74
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 725875

Ion	Ratio	Lower	Upper
93	100		
63	78.7	58.7	98.7
95	32.8	12.8	52.8

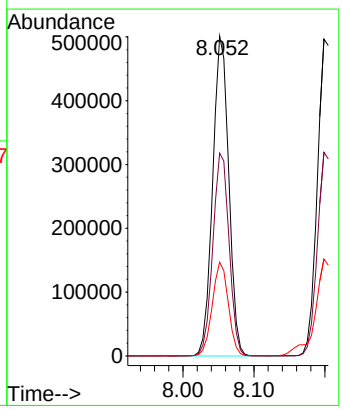


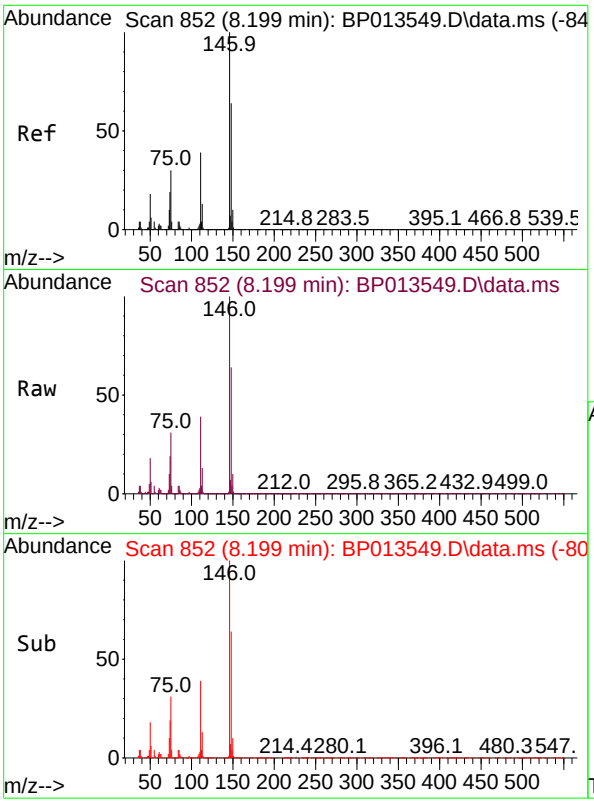


#12
1,3-Dichlorobenzene
Concen: 41.527 ng
RT: 8.052 min Scan# 827
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:146 Resp: 789544

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.7	76.1
75	29.3	23.4	35.2



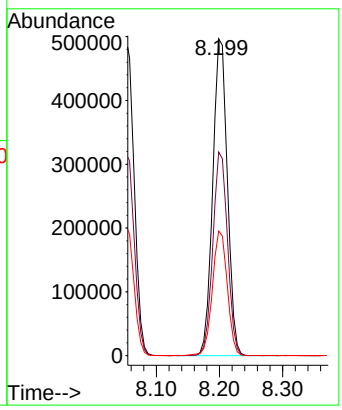


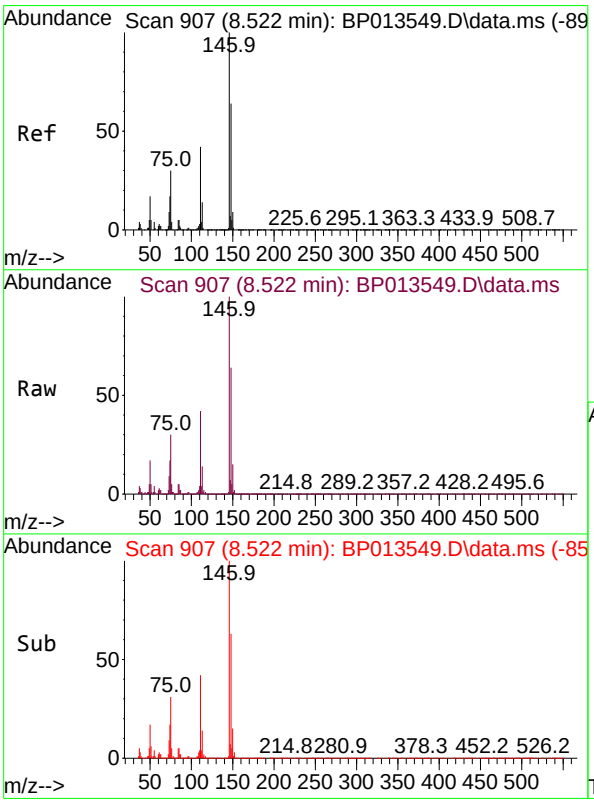
#13
1,4-Dichlorobenzene
Concen: 41.431 ng
RT: 8.199 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 798737

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
111	39.3	31.4	47.2

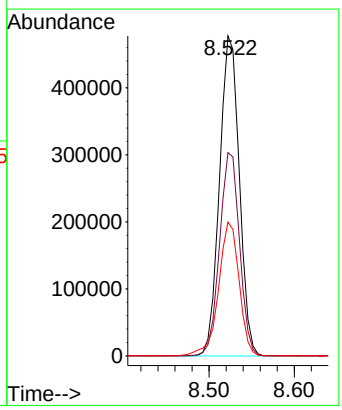


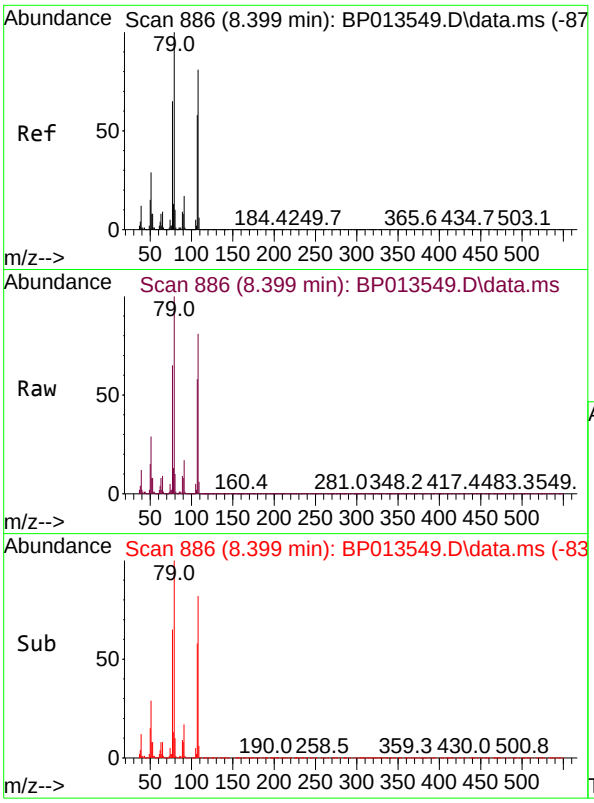


#14
1,2-Dichlorobenzene
Concen: 41.198 ng
RT: 8.522 min Scan# 907
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:146 Resp: 769058

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	41.8	33.4	50.2



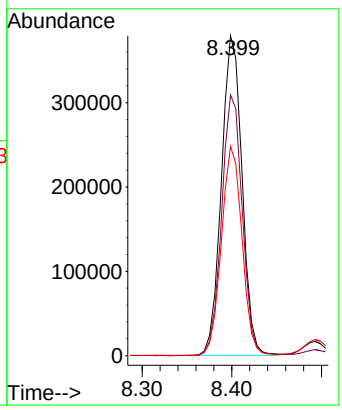


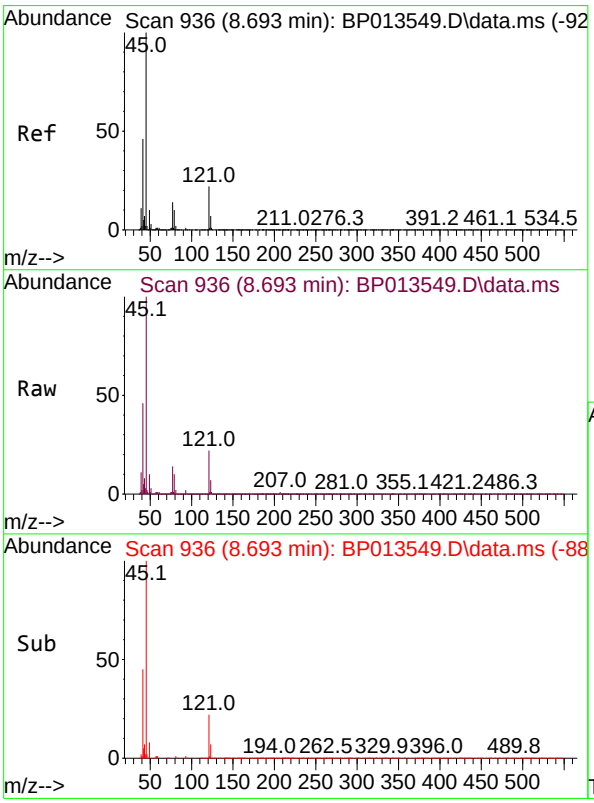
#15
Benzyl Alcohol
Concen: 40.588 ng
RT: 8.399 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 608092

Ion	Ratio	Lower	Upper
79	100		
108	81.5	65.2	97.8
77	65.4	52.3	78.5

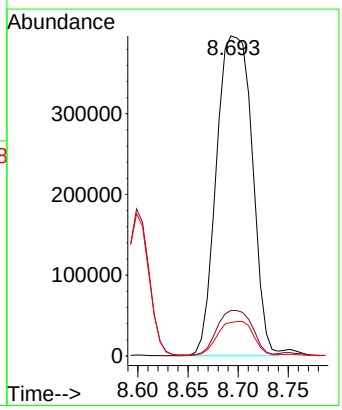


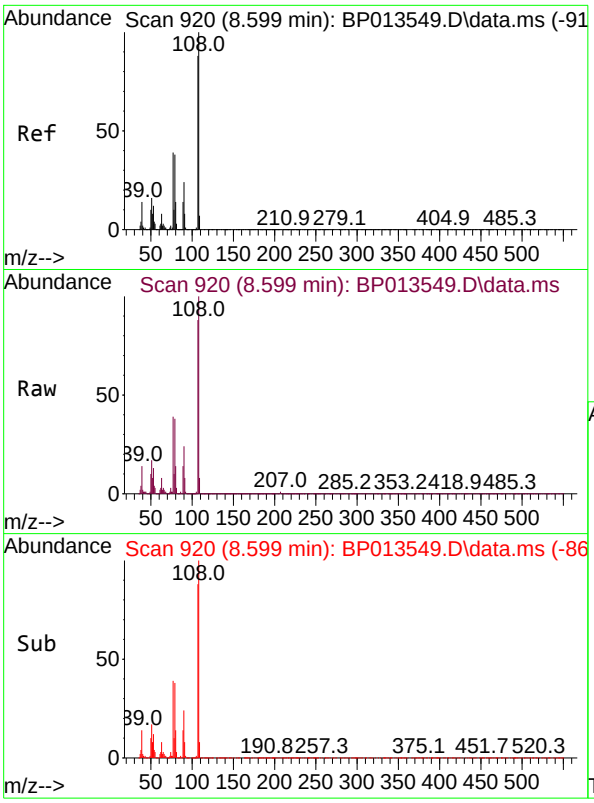


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.258 ng
RT: 8.693 min Scan# 936
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion: 45 Resp: 980585

Ion	Ratio	Lower	Upper
45	100		
77	14.2	0.0	34.2
79	10.4	0.0	30.4



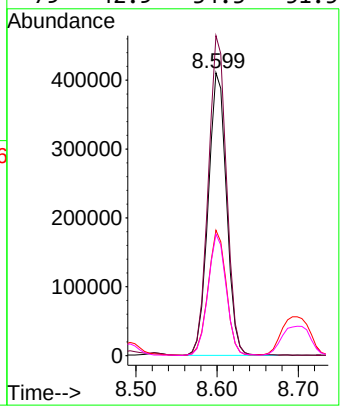


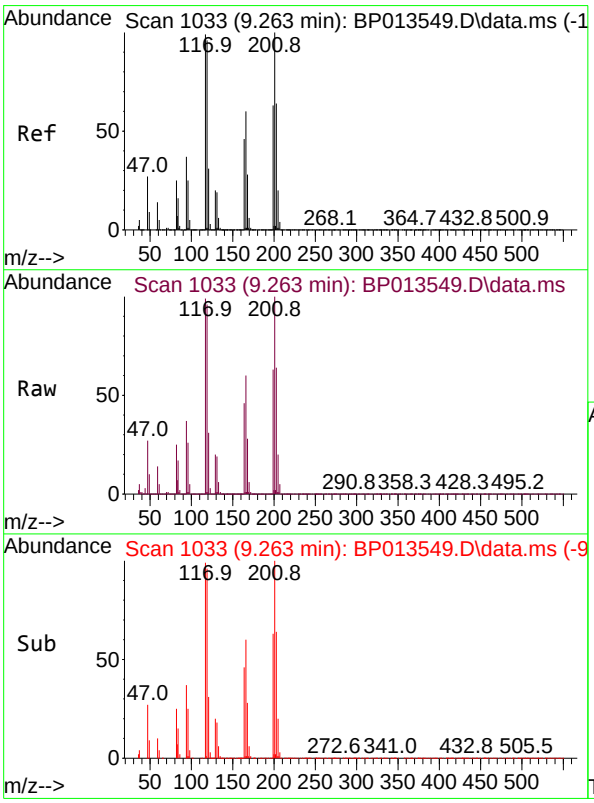
#17
2-Methylphenol
Concen: 40.862 ng
RT: 8.599 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 644739

Ion	Ratio	Lower	Upper
107	100		
108	113.1	90.5	135.7
77	44.3	35.4	53.2
79	42.9	34.3	51.5

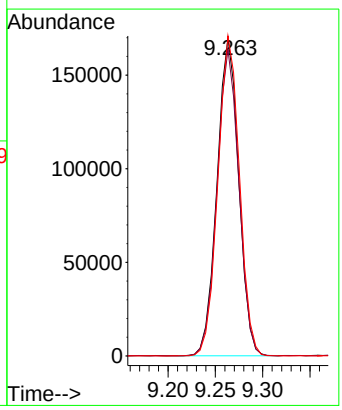


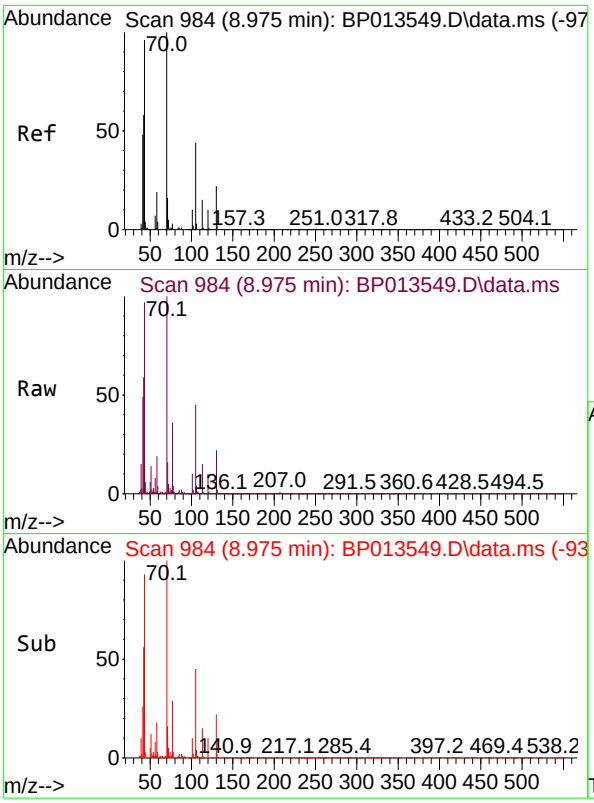


#18
Hexachloroethane
Concen: 41.942 ng
RT: 9.263 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:117 Resp: 270270

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.0	115.6
201	100.7	80.6	120.8



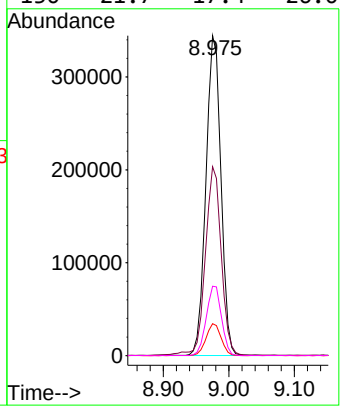


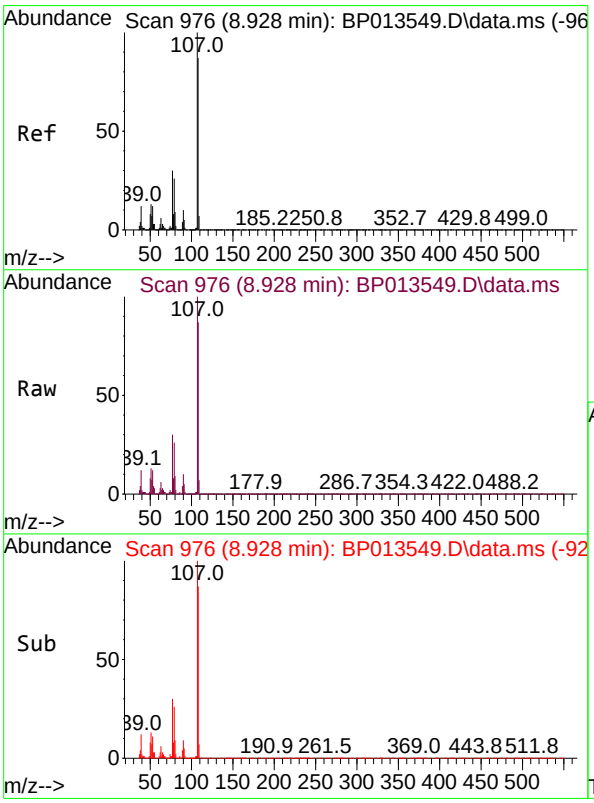
#19
n-Nitroso-di-n-propylamine
Concen: 40.440 ng
RT: 8.975 min Scan# 98
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 546198

Ion	Ratio	Lower	Upper
70	100		
42	59.0	47.2	70.8
101	10.0	8.0	12.0
130	21.7	17.4	26.0

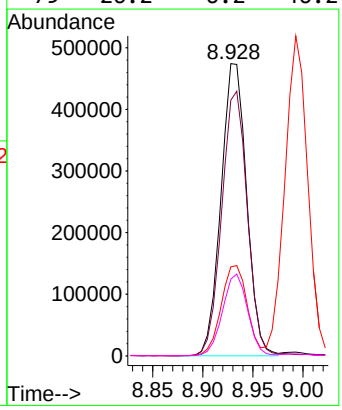


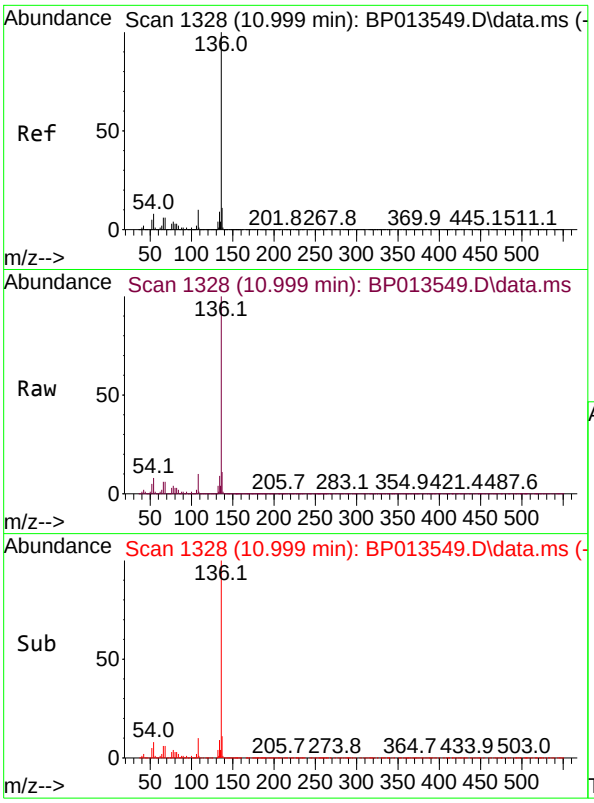


#20
3+4-Methylphenols
Concen: 40.668 ng
RT: 8.928 min Scan# 976
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:107 Resp: 844588

Ion	Ratio	Lower	Upper
107	100		
108	87.5	67.5	107.5
77	30.5	10.5	50.5
79	26.2	6.2	46.2



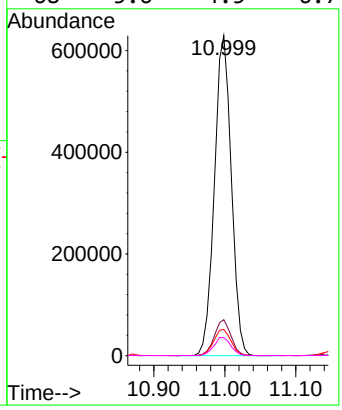


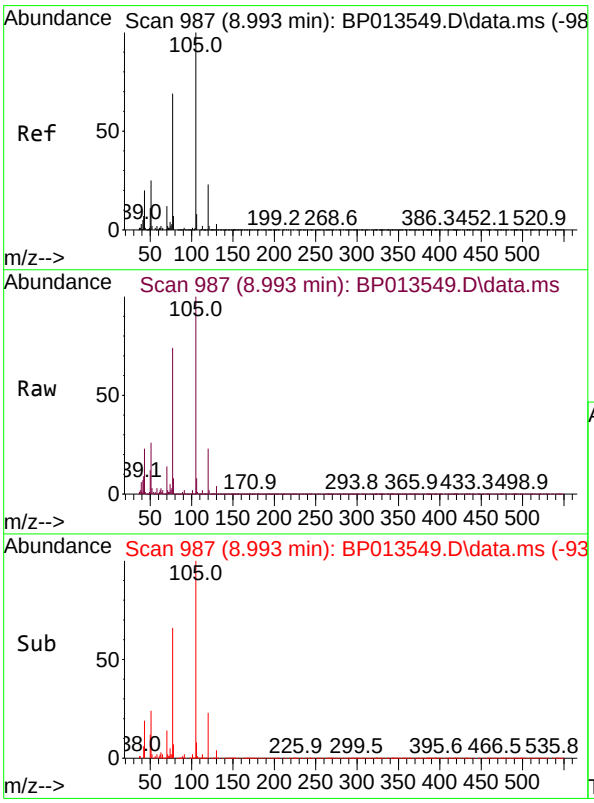
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1040534

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	8.2	6.6	9.8
68	5.6	4.5	6.7

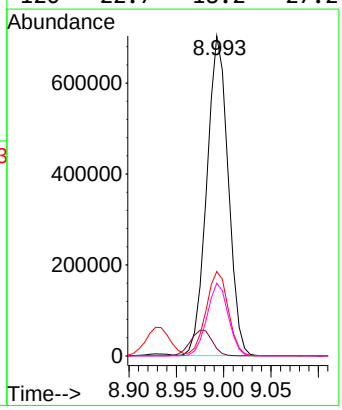


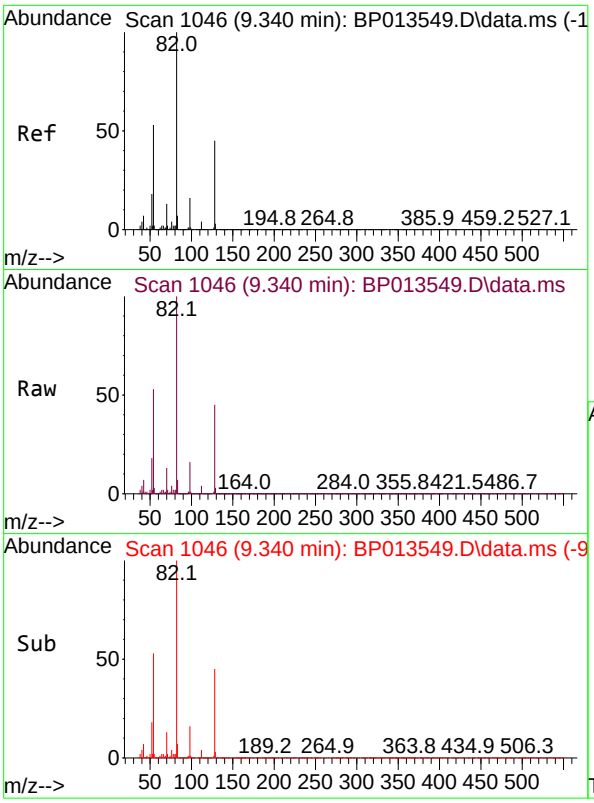


#22
Acetophenone
Concen: 41.453 ng
RT: 8.993 min Scan# 987
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:105 Resp: 1106543

Ion	Ratio	Lower	Upper
105	100		
71	2.3	1.8	2.8
51	26.4	21.1	31.7
120	22.7	18.2	27.2



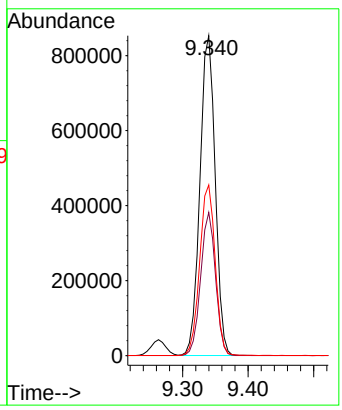


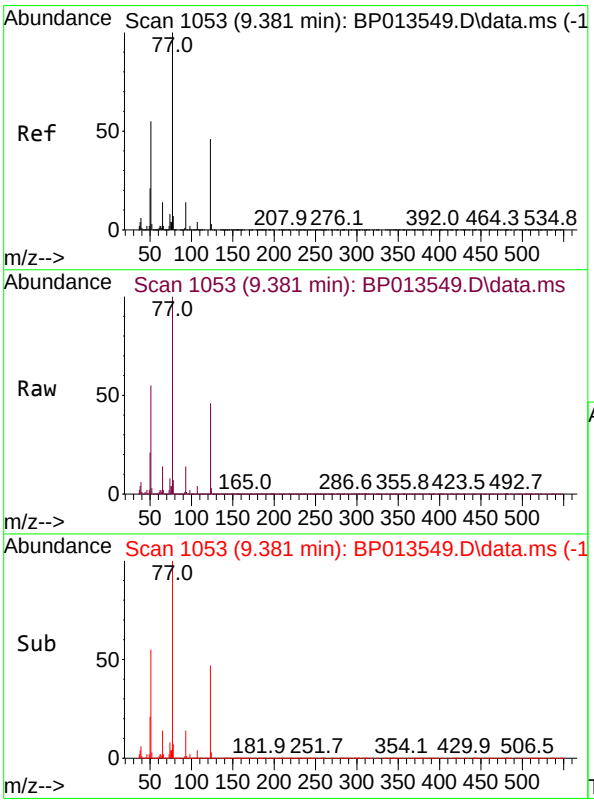
#23
Nitrobenzene-d5
Concen: 87.228 ng
RT: 9.340 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1374858

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.8	53.6
54	53.3	42.6	64.0

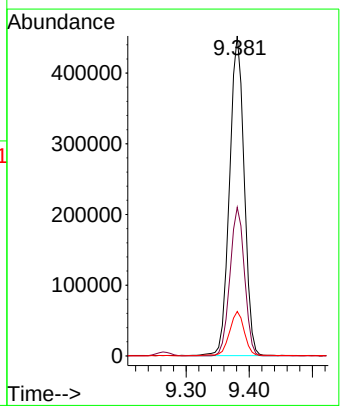


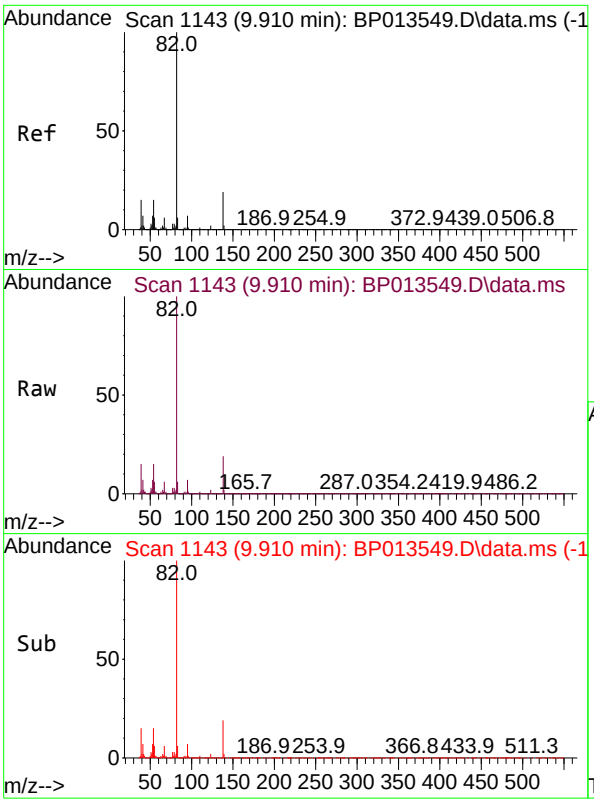


#24
Nitrobenzene
Concen: 43.111 ng
RT: 9.381 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion: 77 Resp: 730602

Ion	Ratio	Lower	Upper
77	100		
123	46.5	37.2	55.8
65	13.9	11.1	16.7



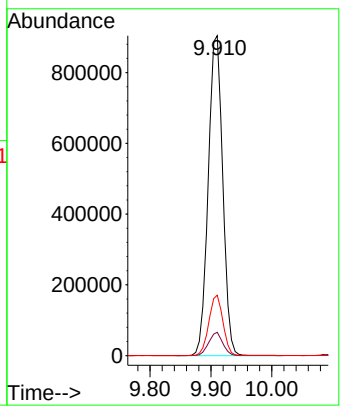


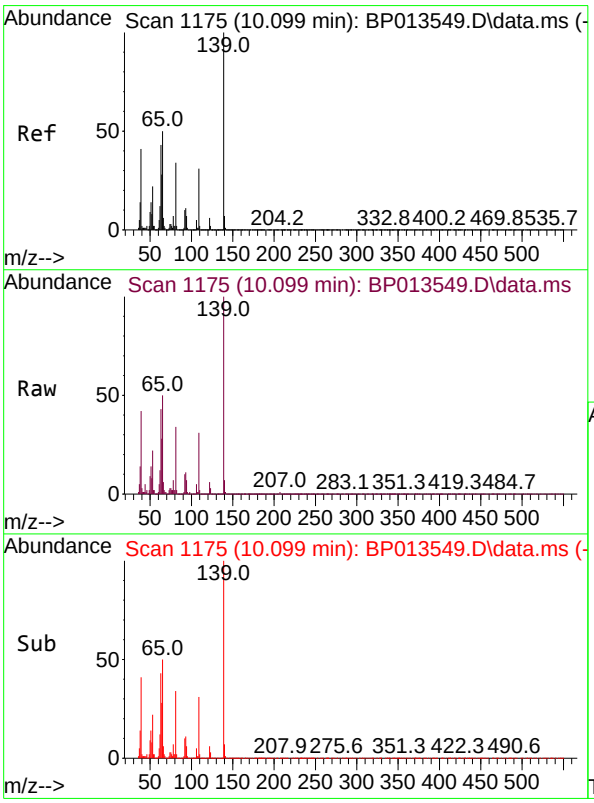
#25
Isophorone
Concen: 39.964 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1494081

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	18.9	15.1	22.7

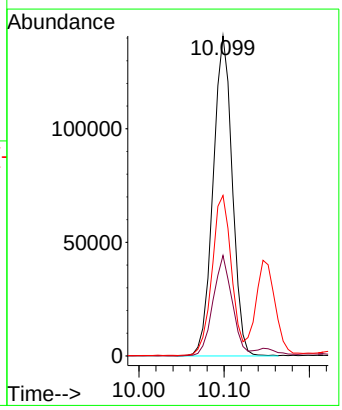


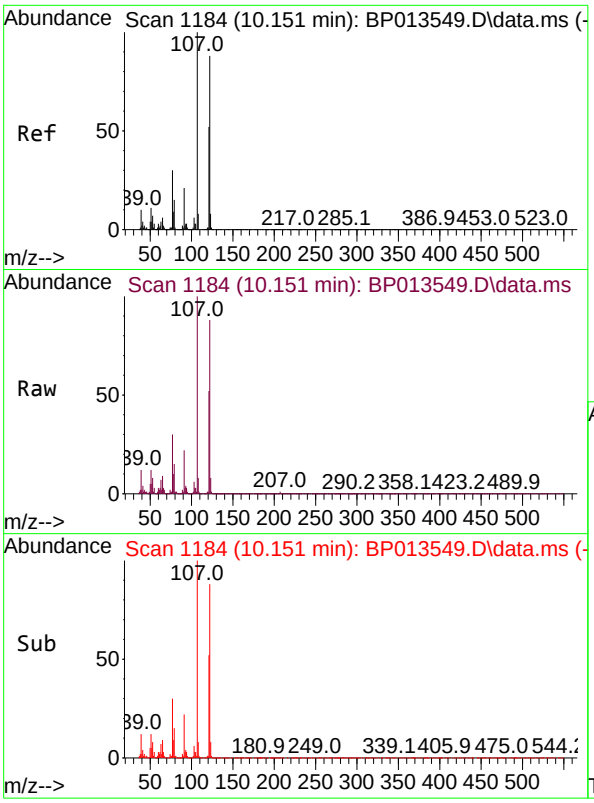


#26
2-Nitrophenol
Concen: 41.660 ng
RT: 10.099 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:139 Resp: 220148

Ion	Ratio	Lower	Upper
139	100		
109	31.4	25.1	37.7
65	50.1	40.1	60.1



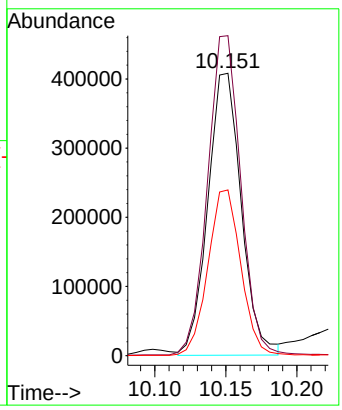


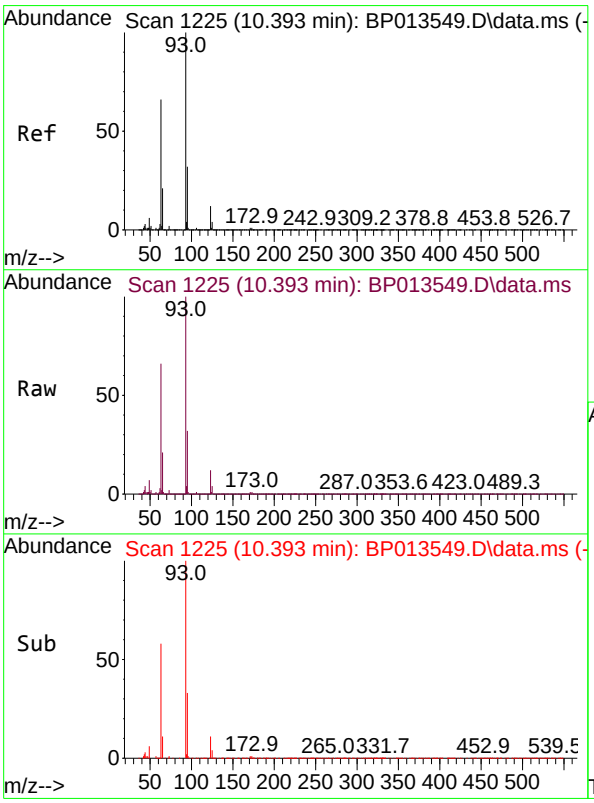
#27
2,4-Dimethylphenol
Concen: 40.584 ng
RT: 10.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 668830

Ion	Ratio	Lower	Upper
122	100		
107	113.4	90.7	136.1
121	58.7	47.0	70.4

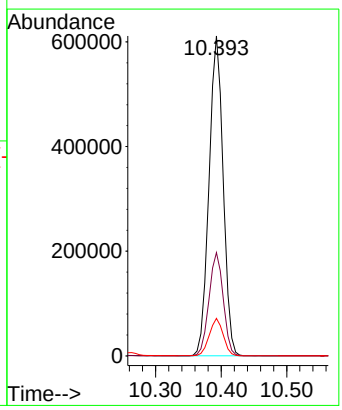


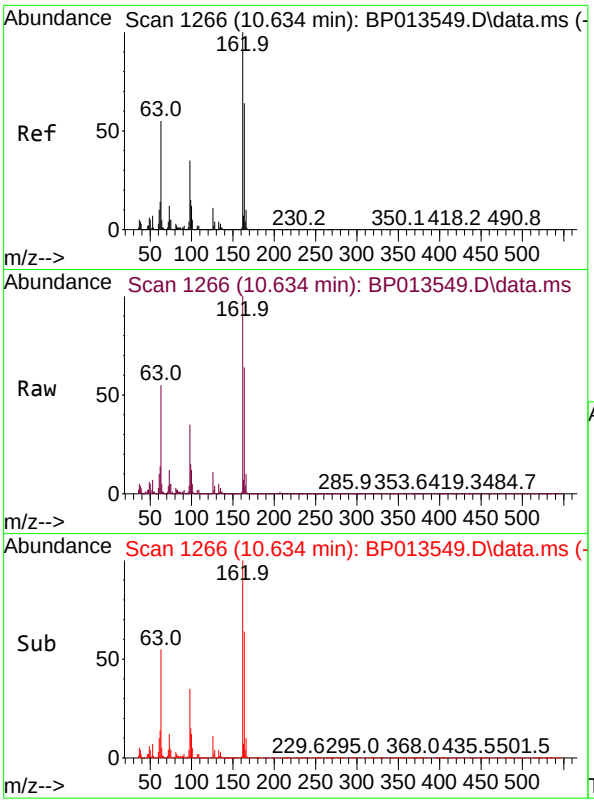


#28
bis(2-Chloroethoxy)methane
Concen: 40.580 ng
RT: 10.393 min Scan# 1225
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion: 93 Resp: 914245

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.8
123	11.7	9.4	14.0



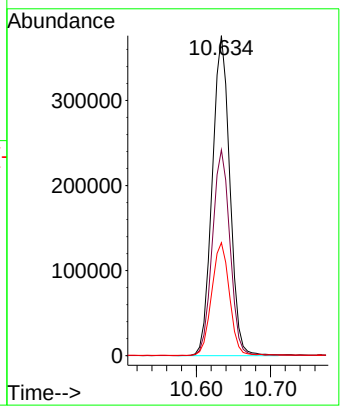


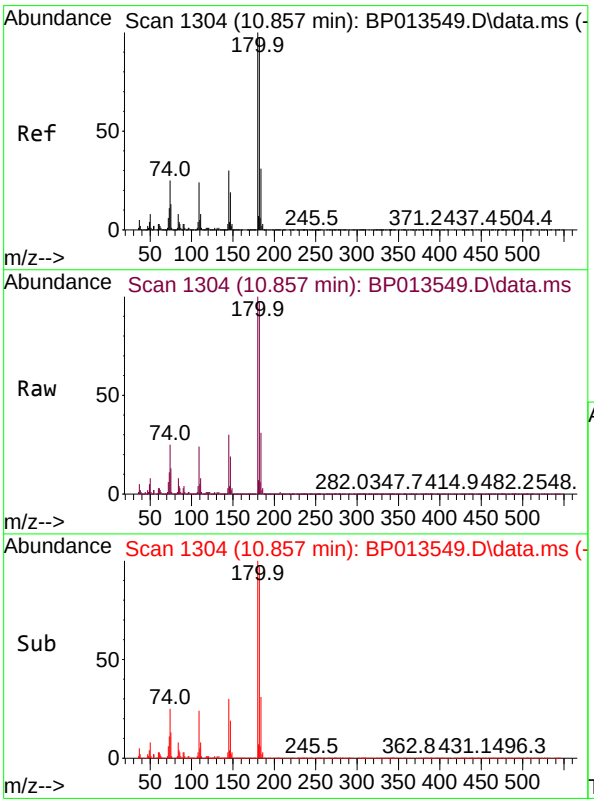
#29
2,4-Dichlorophenol
Concen: 41.781 ng
RT: 10.634 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 620231

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	35.3	15.3	55.3

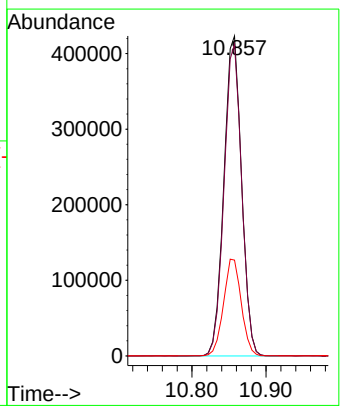


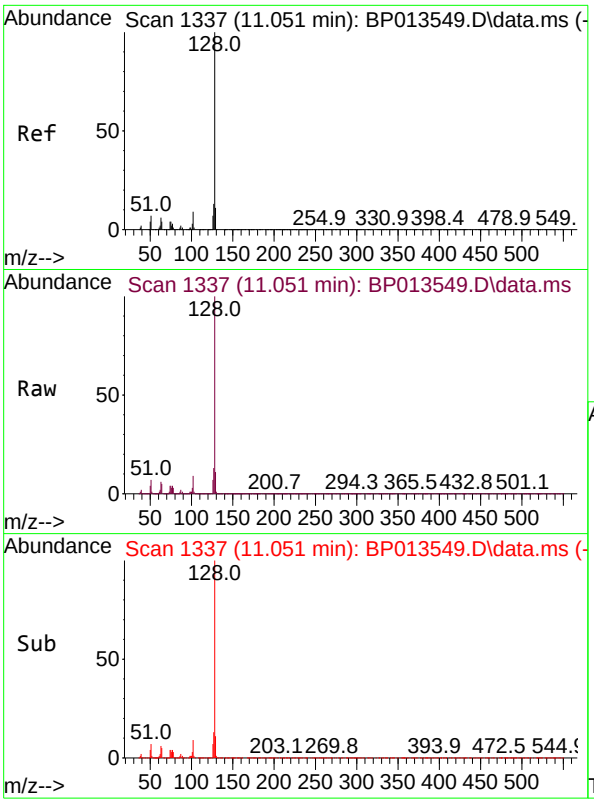


#30
1,2,4-Trichlorobenzene
Concen: 41.240 ng
RT: 10.857 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:180 Resp: 698648

Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.9	116.9
145	30.0	24.0	36.0



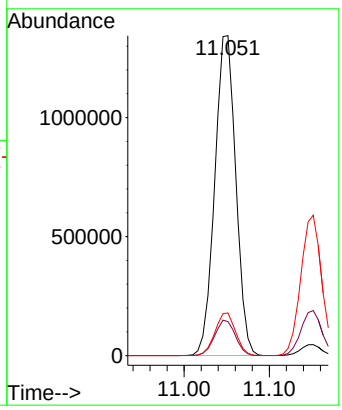


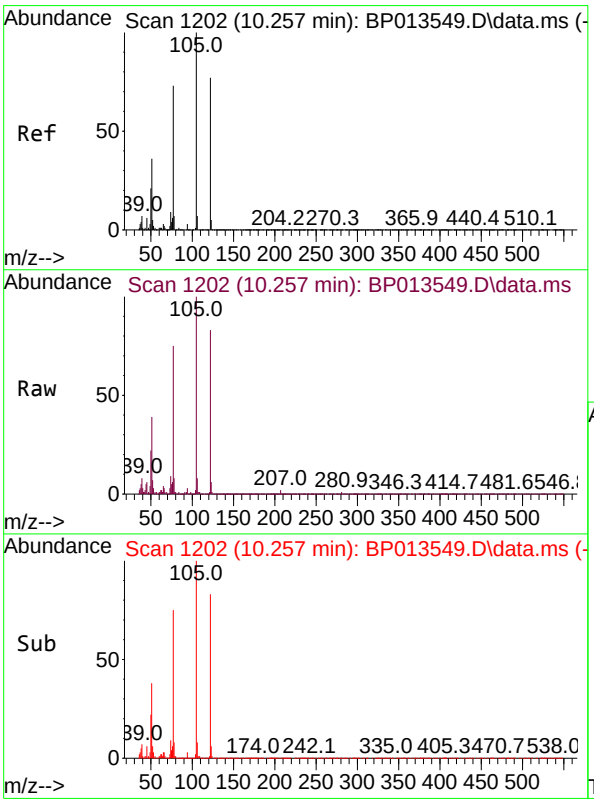
#31
Naphthalene
Concen: 41.224 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2306056

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.5	12.7
127	13.3	10.6	16.0

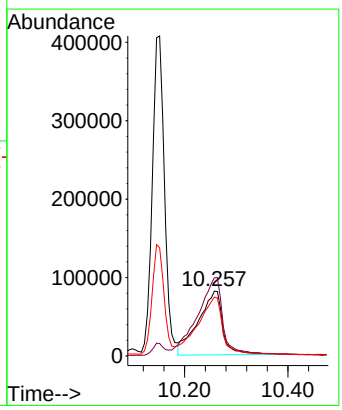


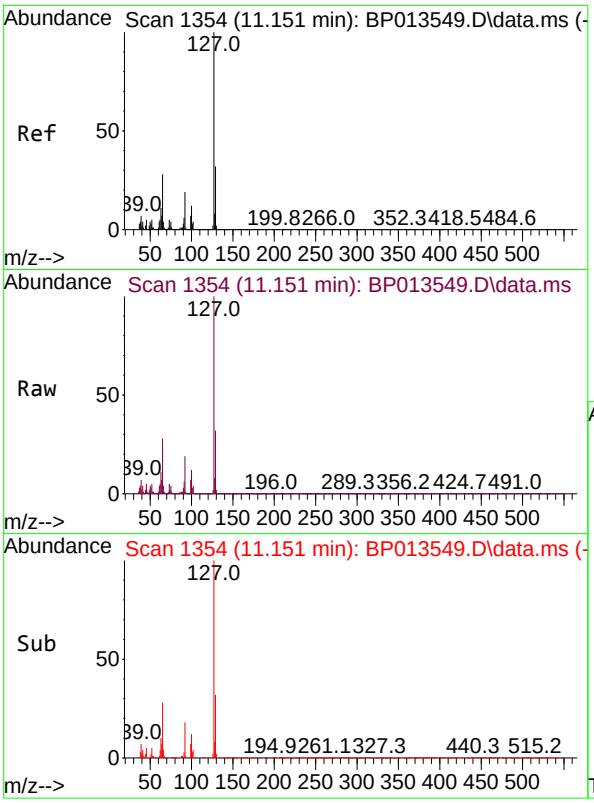


#32
Benzoic acid
Concen: 37.740 ng
RT: 10.257 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:122 Resp: 271843

Ion	Ratio	Lower	Upper
122	100		
105	120.5	100.5	140.5
77	90.9	70.9	110.9



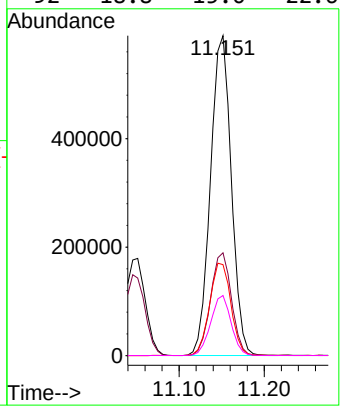


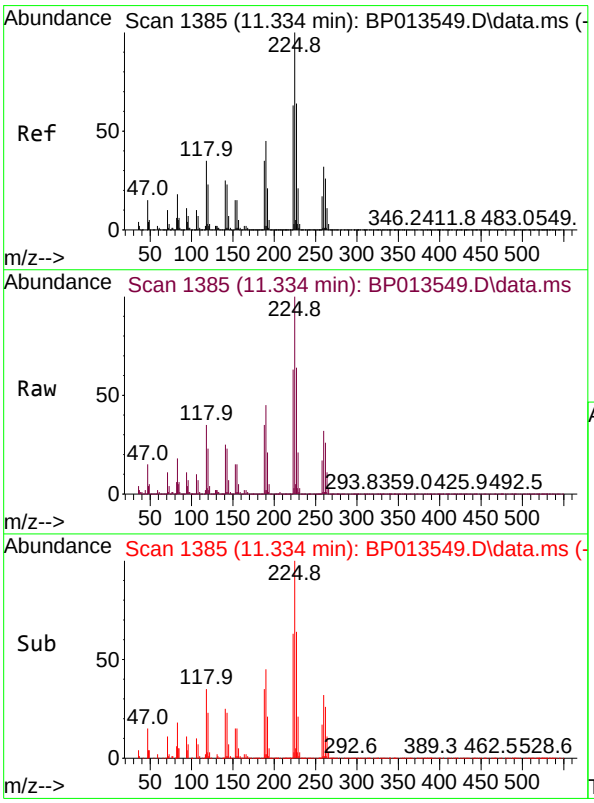
#33
4-Chloroaniline
Concen: 40.538 ng
RT: 11.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 1003416

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	28.4	22.7	34.1
92	18.8	15.0	22.6

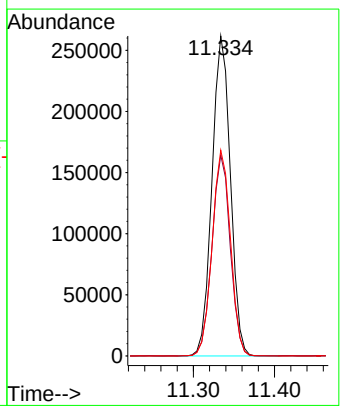


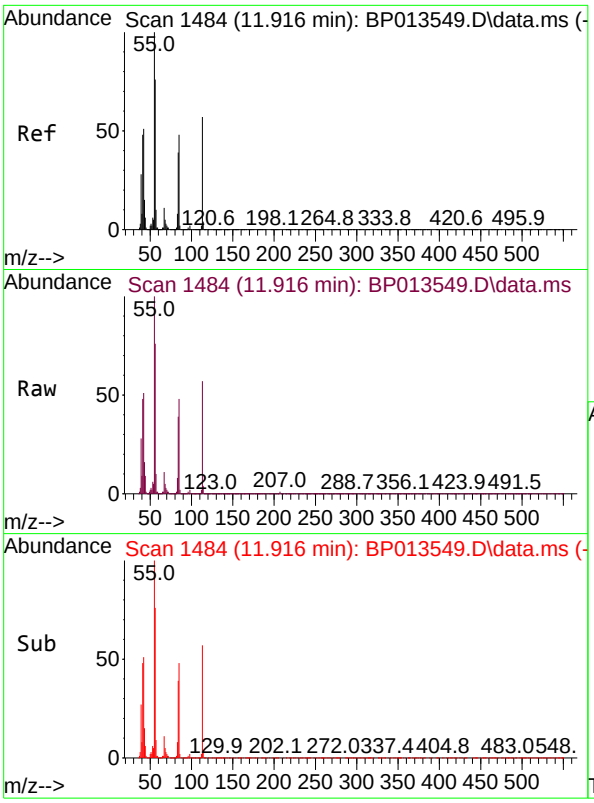


#34
Hexachlorobutadiene
Concen: 41.752 ng
RT: 11.334 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:225 Resp: 411619

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.2
227	64.3	51.4	77.2



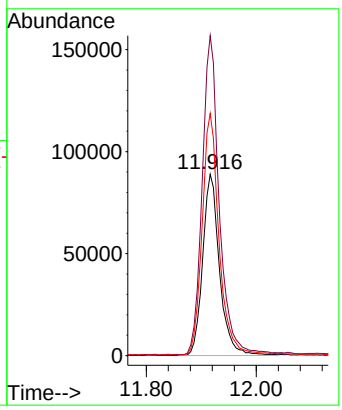


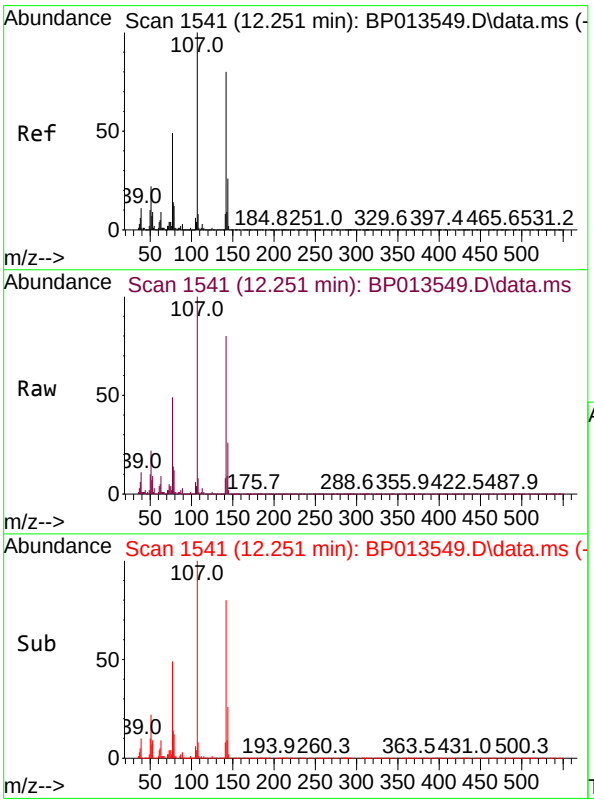
#35
Caprolactam
Concen: 39.392 ng
RT: 11.916 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 188887

Ion	Ratio	Lower	Upper
113	100		
55	176.5	156.5	196.5
56	133.5	113.5	153.5

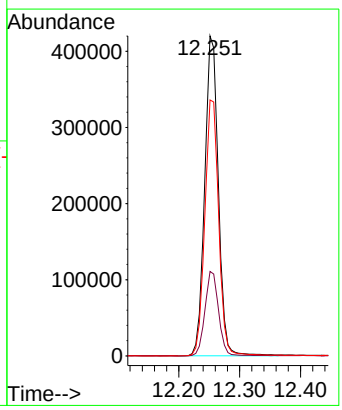


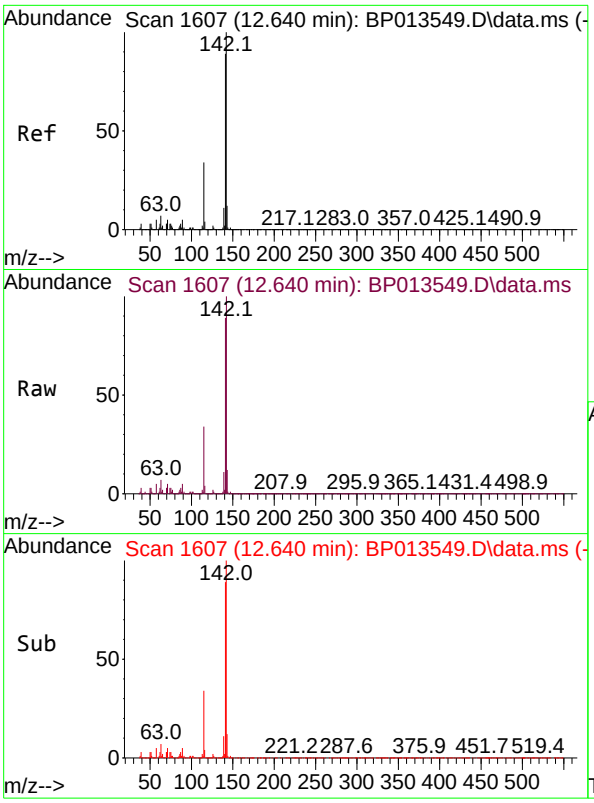


#36
4-Chloro-3-methylphenol
Concen: 40.392 ng
RT: 12.251 min Scan# 1541
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:107 Resp: 653008

Ion	Ratio	Lower	Upper
107	100		
144	26.4	21.1	31.7
142	80.0	64.0	96.0



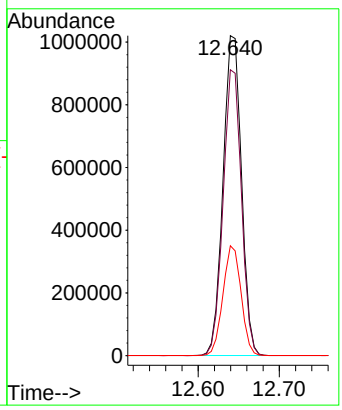


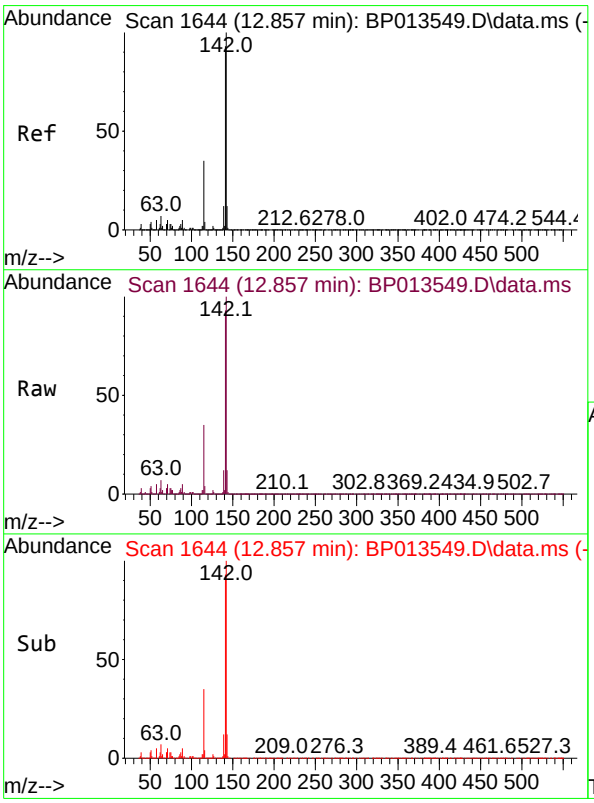
#37
2-Methylnaphthalene
Concen: 40.408 ng
RT: 12.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1606734

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.4	107.2
115	34.3	27.4	41.2

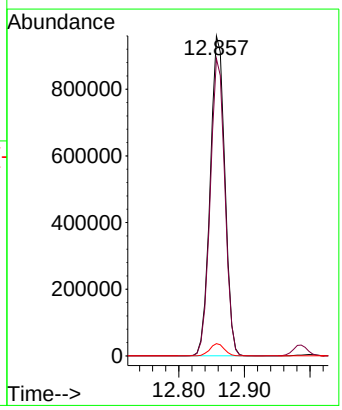


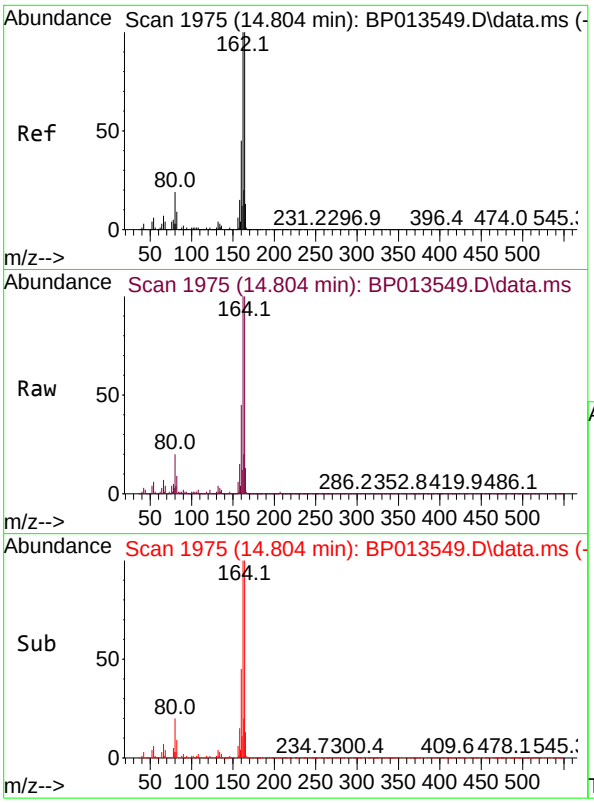


#38
1-Methylnaphthalene
Concen: 39.947 ng
RT: 12.857 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:142 Resp: 1492546

Ion	Ratio	Lower	Upper
142	100		
141	92.9	74.3	111.5
116	3.8	3.0	4.6



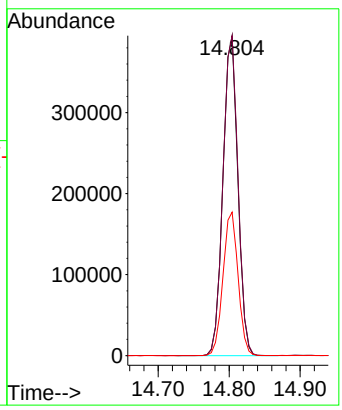


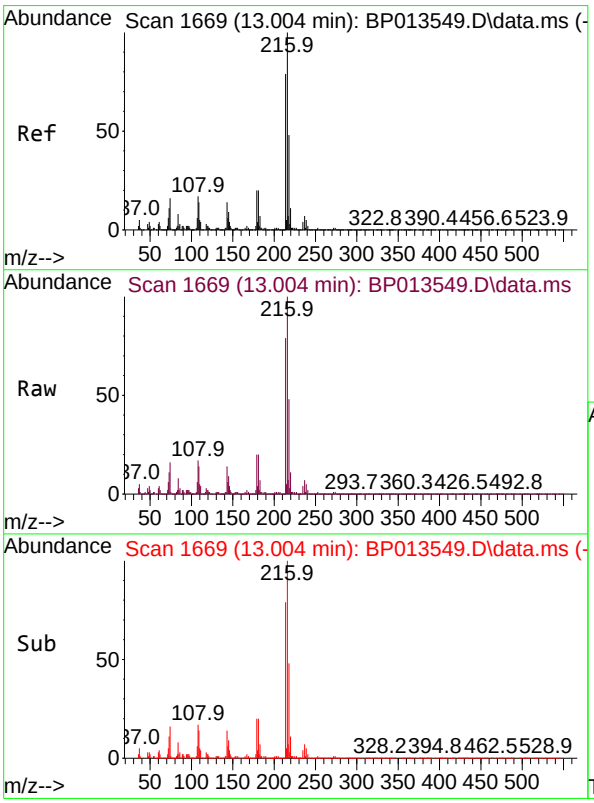
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.804 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 576242

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.1	120.1
160	44.9	35.9	53.9

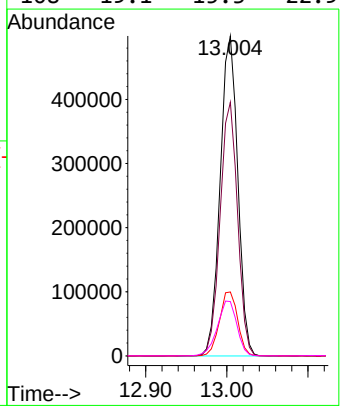


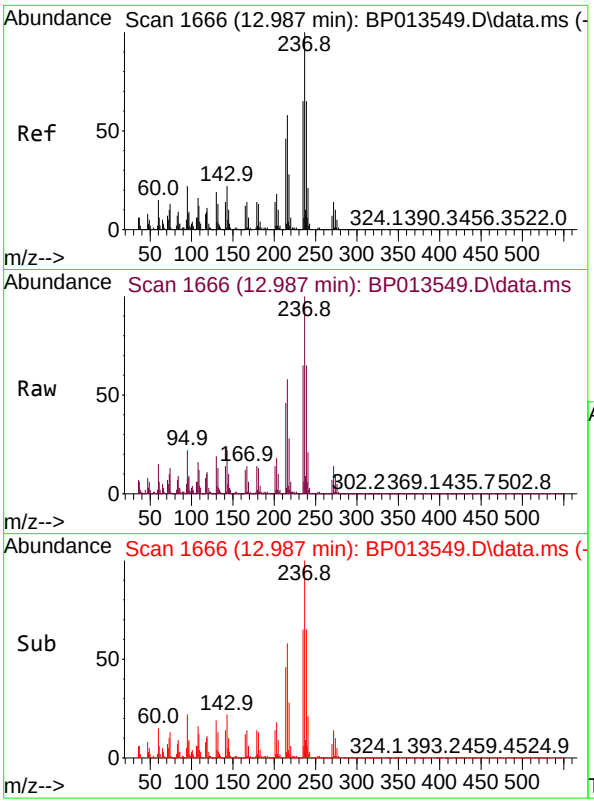


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.347 ng
RT: 13.004 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:216 Resp: 751266

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.9	94.3
179	20.7	16.6	24.8
108	19.1	15.3	22.9



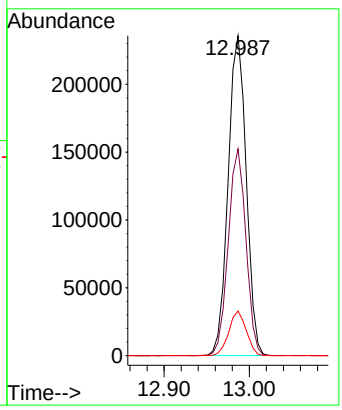


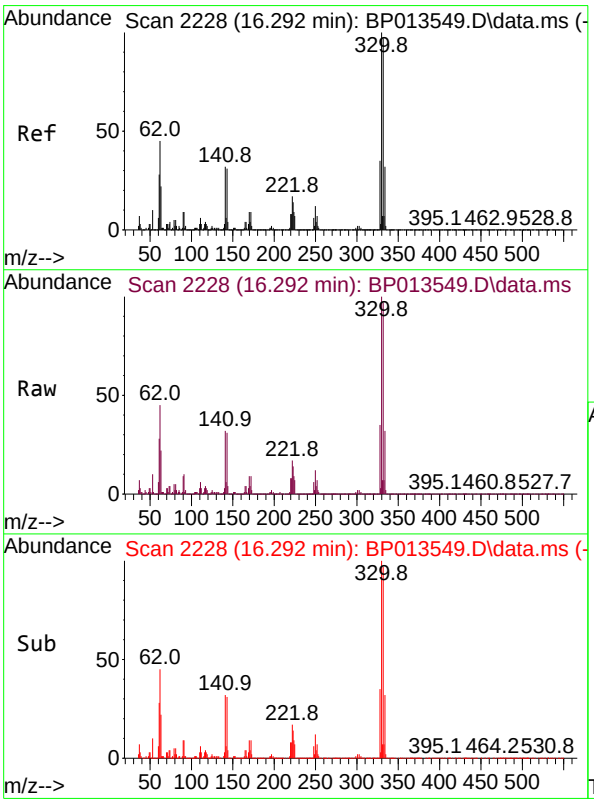
#41
Hexachlorocyclopentadiene
Concen: 41.612 ng
RT: 12.987 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 347517

Ion	Ratio	Lower	Upper
237	100		
235	64.6	44.6	84.6
272	13.9	0.0	33.9

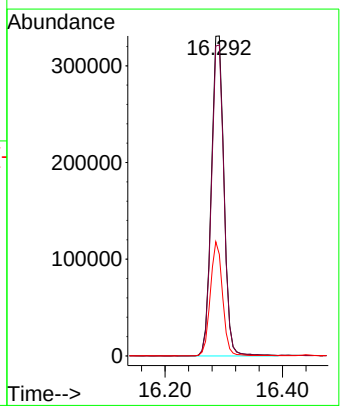


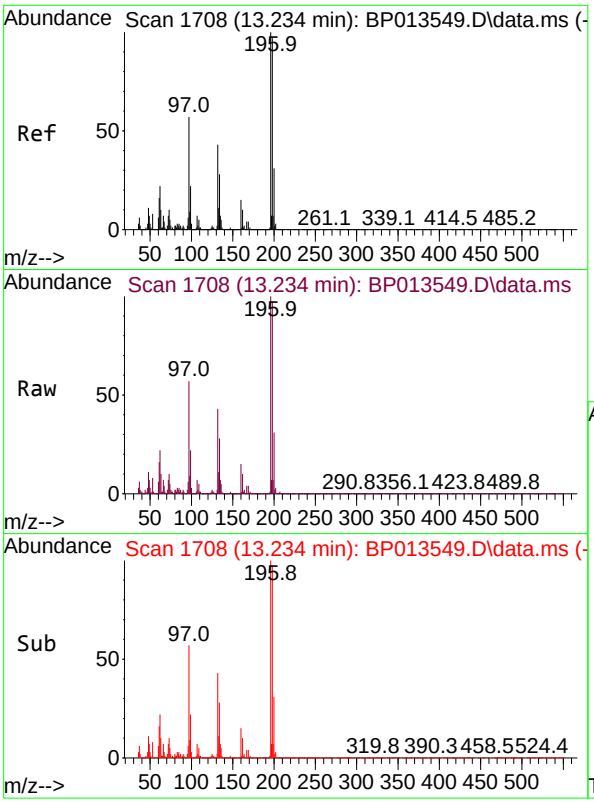


#42
2,4,6-Tribromophenol
Concen: 81.871 ng
RT: 16.292 min Scan# 2228
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:330 Resp: 491867

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	34.5	27.6	41.4



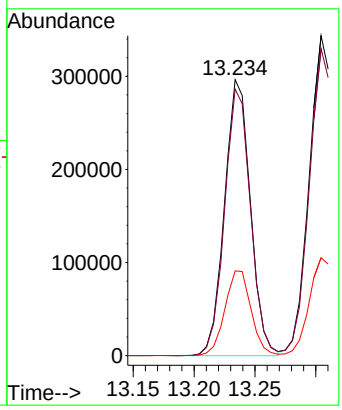


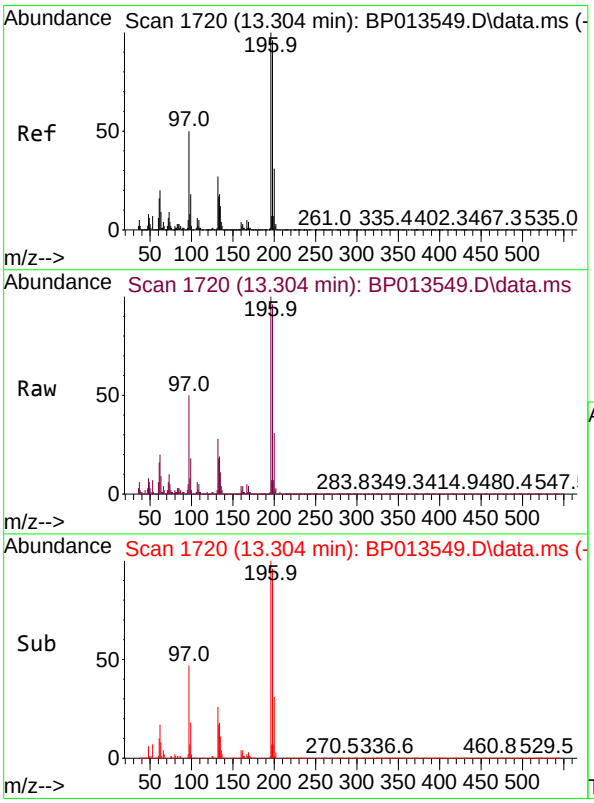
#43
2,4,6-Trichlorophenol
Concen: 42.256 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 438753

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.3	115.9
200	30.7	24.6	36.8

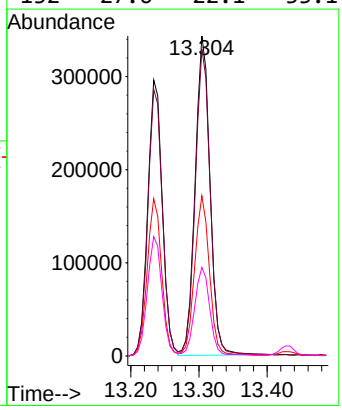


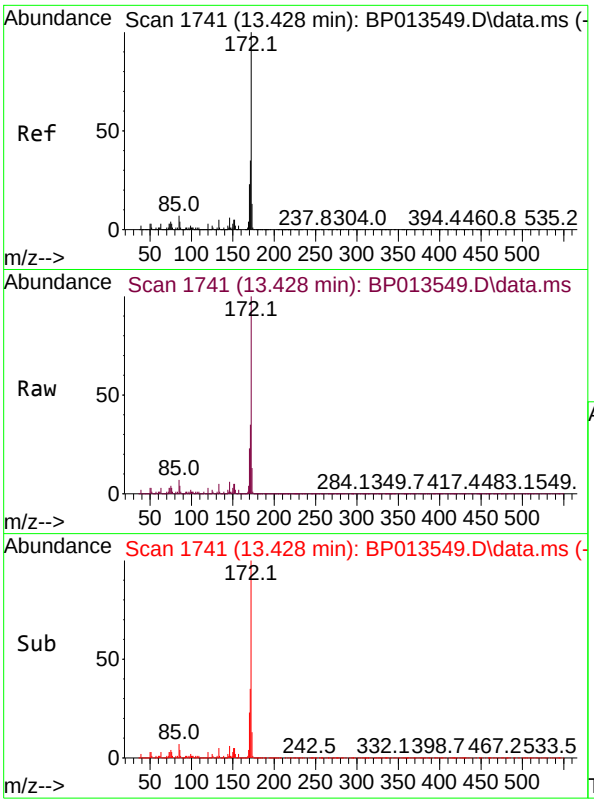


#44
2,4,5-Trichlorophenol
Concen: 42.583 ng
RT: 13.304 min Scan# 1720
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:196 Resp: 522474

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.7	115.1
97	50.0	40.0	60.0
132	27.6	22.1	33.1



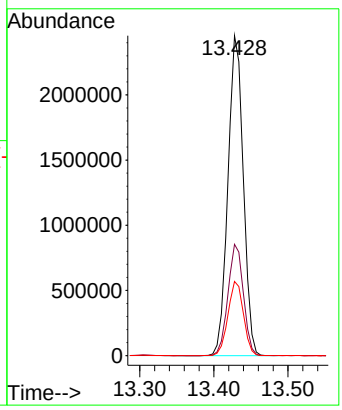


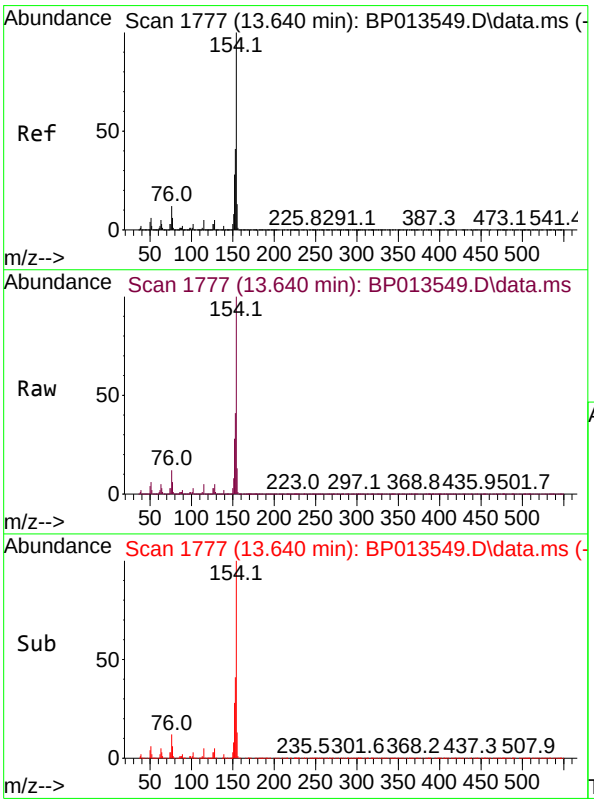
#45
2-Fluorobiphenyl
Concen: 84.103 ng
RT: 13.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 3530648

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.8
170	23.2	18.6	27.8

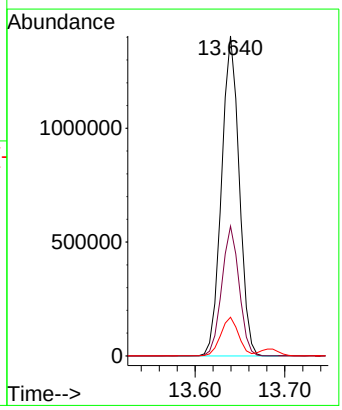


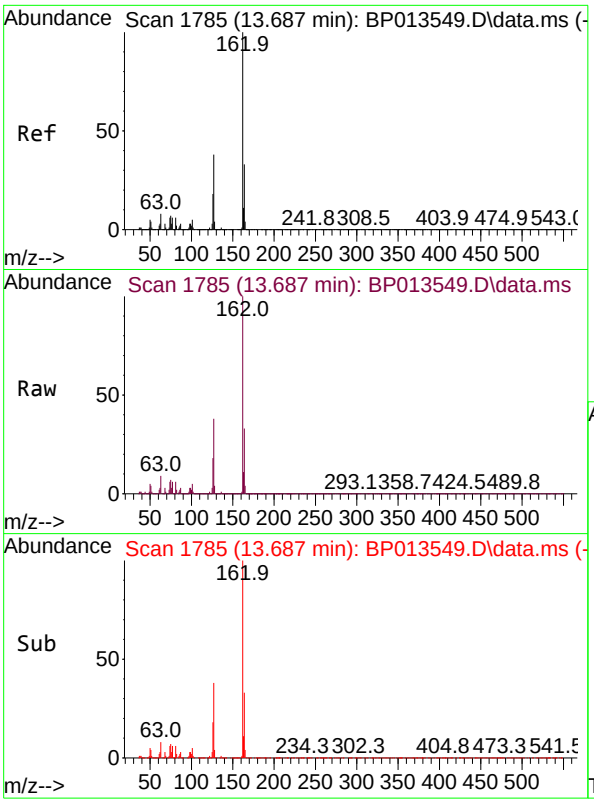


#46
1,1'-Biphenyl
Concen: 41.765 ng
RT: 13.640 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:154 Resp: 1932828

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.5	60.5
76	12.1	0.0	32.1



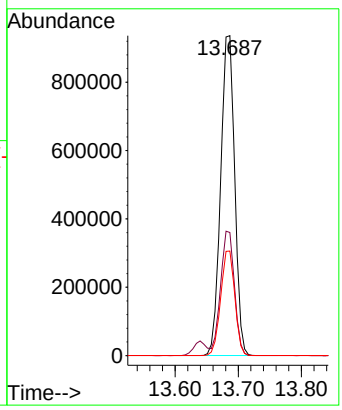


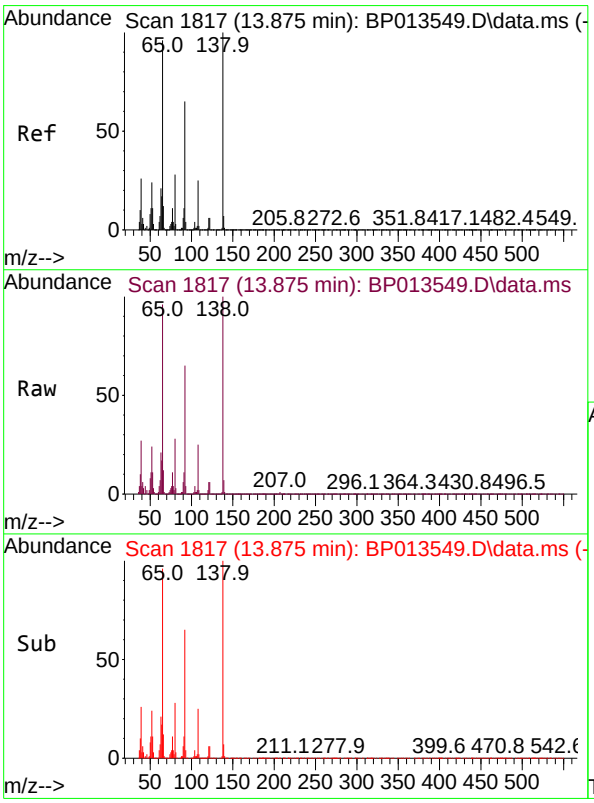
#47
2-Chloronaphthalene
Concen: 41.653 ng
RT: 13.687 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1444139

Ion	Ratio	Lower	Upper
162	100		
127	38.5	30.8	46.2
164	32.7	26.2	39.2

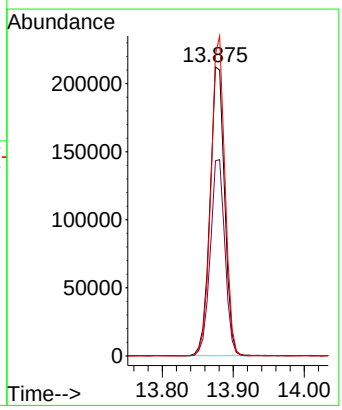


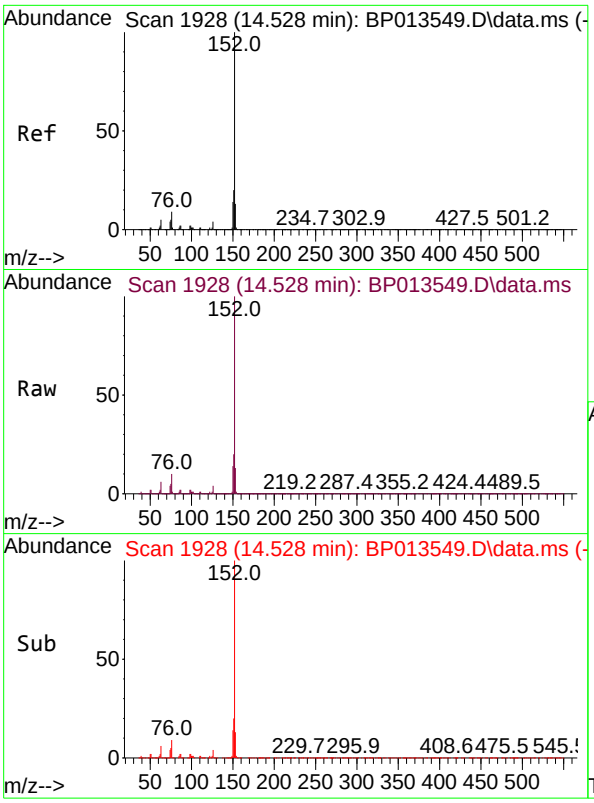


#48
2-Nitroaniline
Concen: 43.758 ng
RT: 13.875 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion: 65 Resp: 303548

Ion	Ratio	Lower	Upper
65	100		
92	67.6	54.1	81.1
138	104.5	83.6	125.4



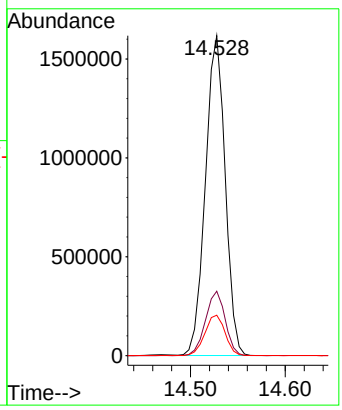


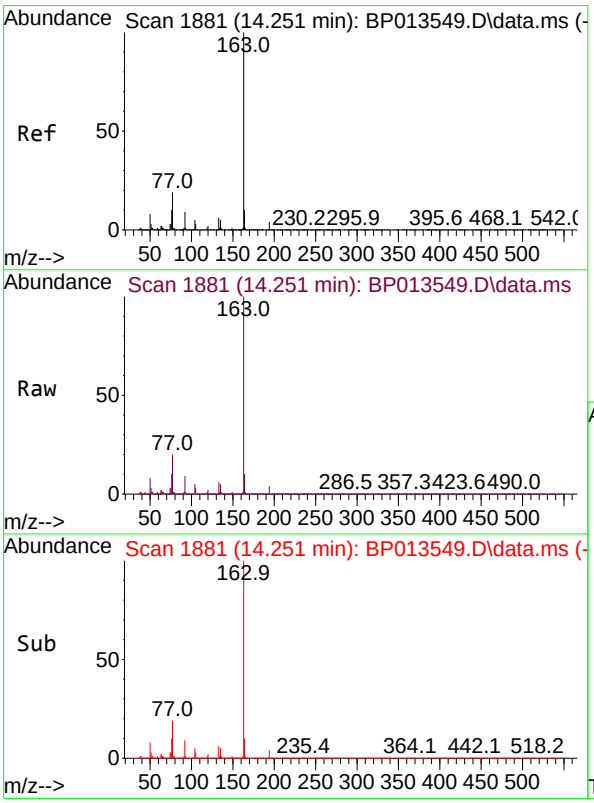
#49
Acenaphthylene
Concen: 41.434 ng
RT: 14.528 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2349294

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	12.6	10.1	15.1

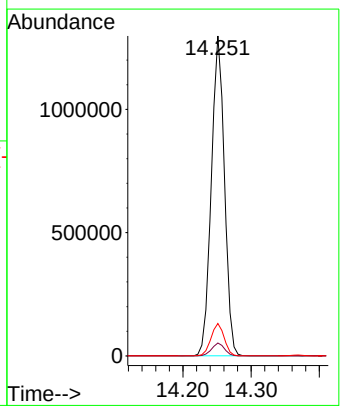


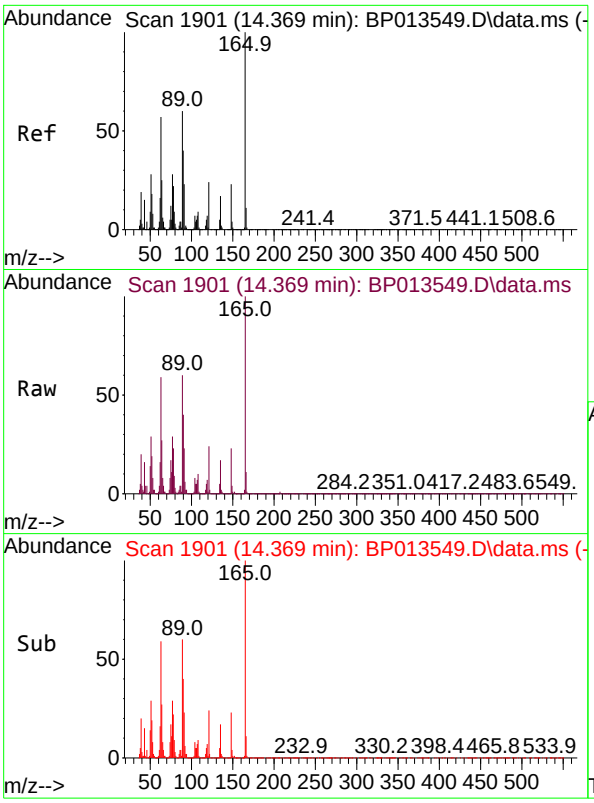


#50
Dimethylphthalate
Concen: 40.338 ng
RT: 14.251 min Scan# 1881
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:163 Resp: 1727890

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.1	8.1	12.1



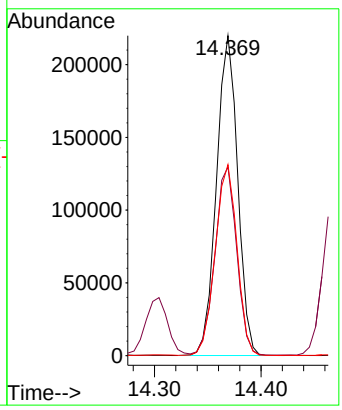


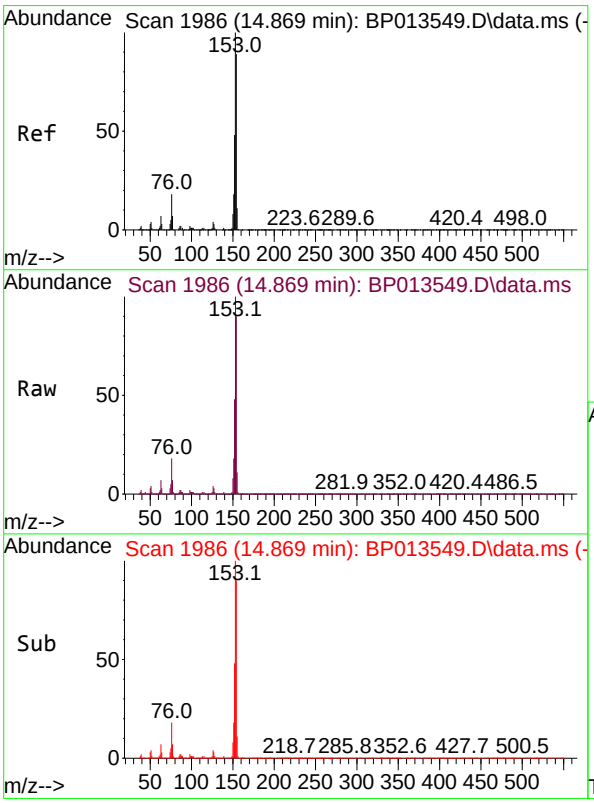
#51
2,6-Dinitrotoluene
Concen: 44.049 ng
RT: 14.369 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 304657

Ion	Ratio	Lower	Upper
165	100		
63	59.0	47.2	70.8
89	59.7	47.8	71.6

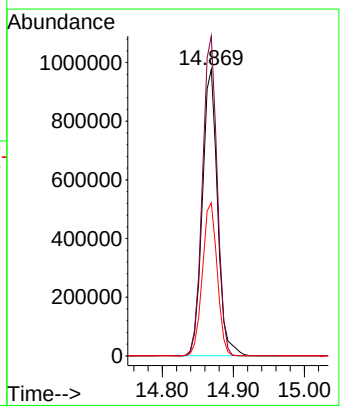


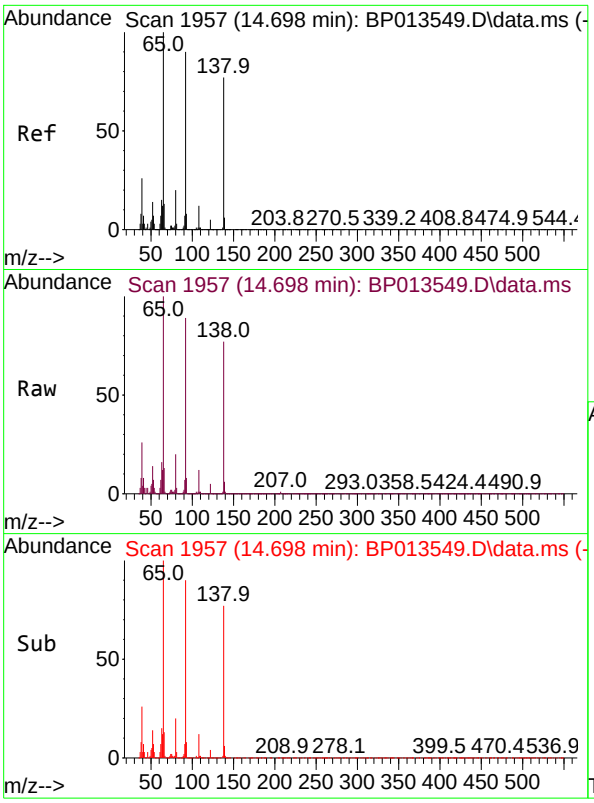


#52
Acenaphthene
Concen: 41.162 ng
RT: 14.869 min Scan# 1986
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:154 Resp: 1441675

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.4	134.0
152	53.4	42.7	64.1



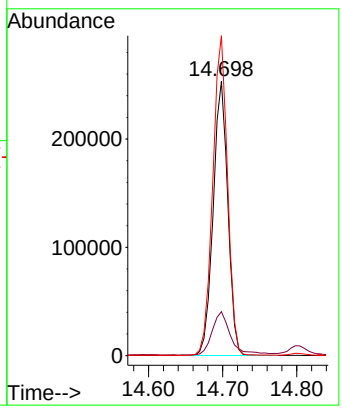


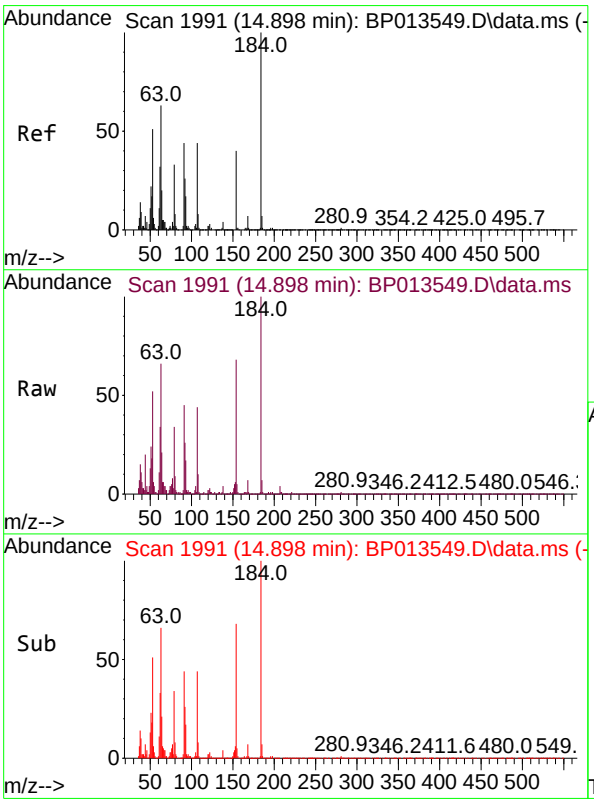
#53
3-Nitroaniline
Concen: 43.815 ng
RT: 14.698 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 347445

Ion	Ratio	Lower	Upper
138	100		
108	16.0	12.8	19.2
92	116.6	93.3	139.9

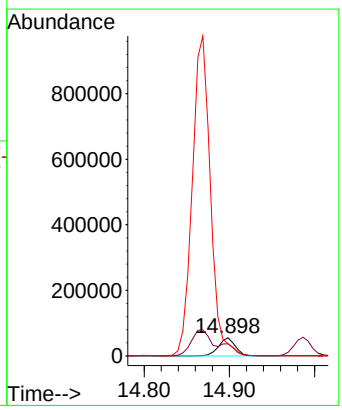


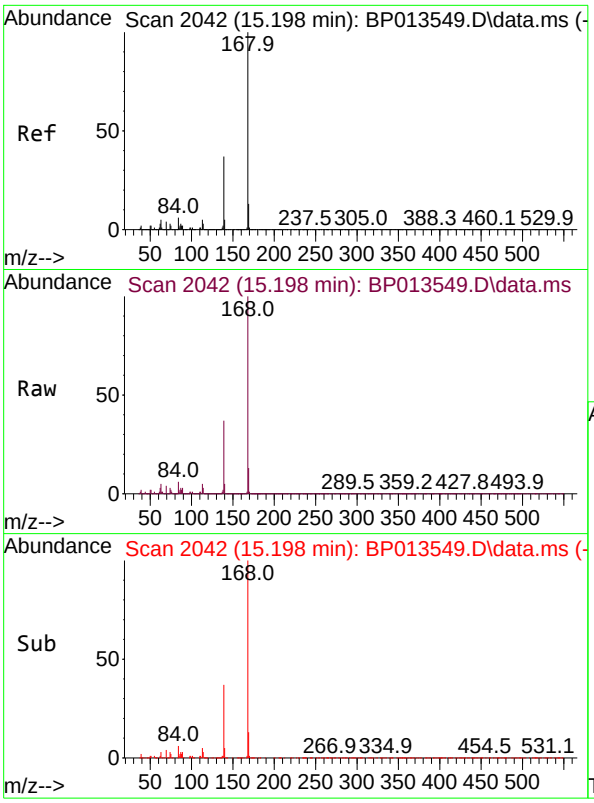


#54
2,4-Dinitrophenol
Concen: 35.316 ng
RT: 14.898 min Scan# 1991
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:184 Resp: 74434

Ion	Ratio	Lower	Upper
184	100		
63	66.5	53.2	79.8
154	68.0	54.4	81.6



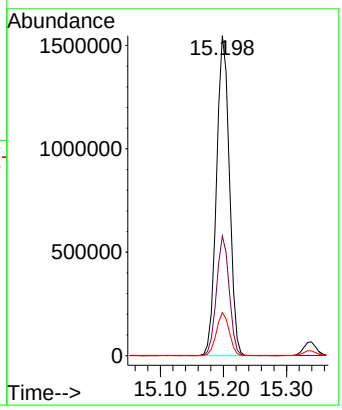


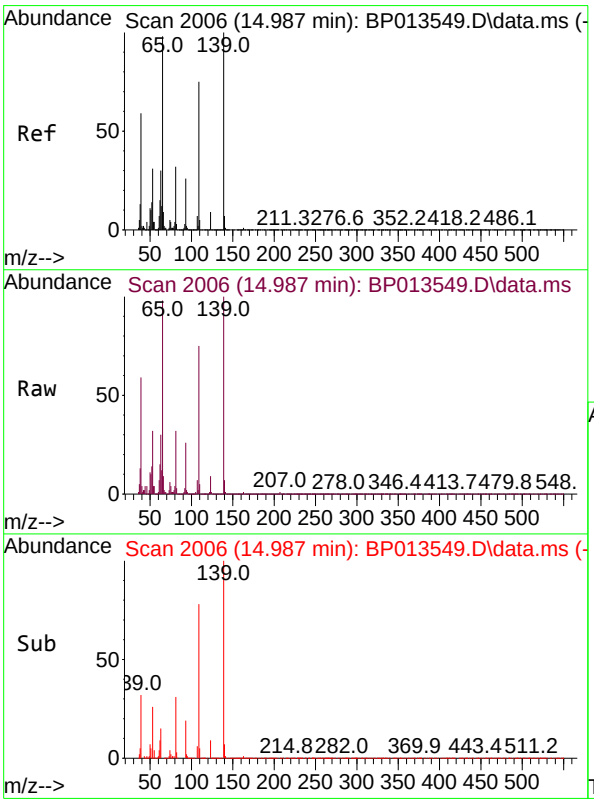
#55
Dibenzofuran
Concen: 40.806 ng
RT: 15.198 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2191547

Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.9	44.9
169	13.4	10.7	16.1

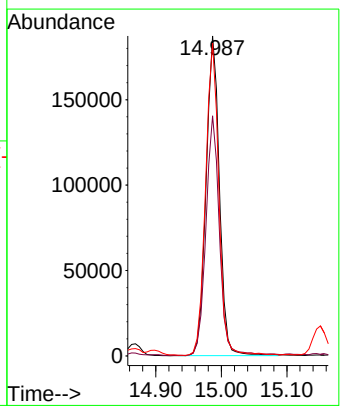


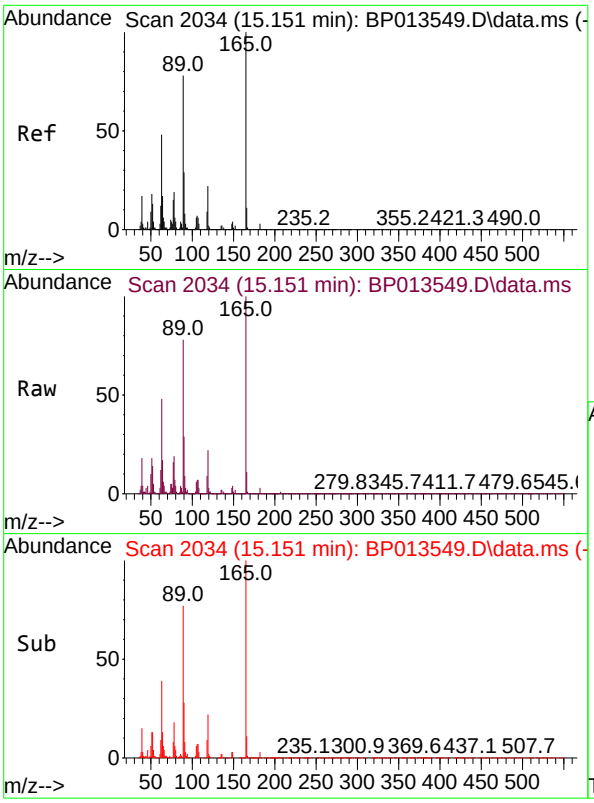


#56
4-Nitrophenol
Concen: 40.786 ng
RT: 14.987 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:139 Resp: 263829

Ion	Ratio	Lower	Upper
139	100		
109	75.0	55.0	95.0
65	97.7	77.7	117.7



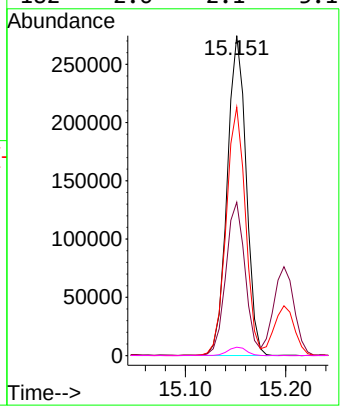


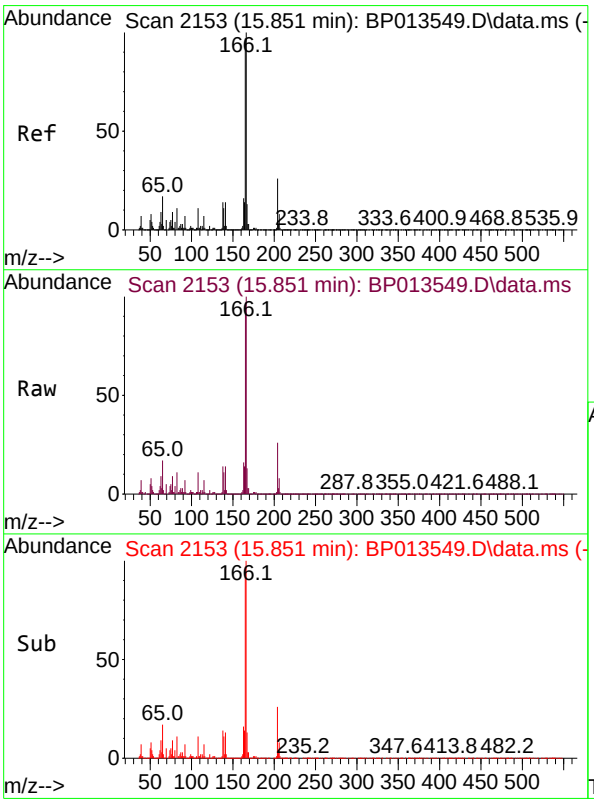
#57
2,4-Dinitrotoluene
Concen: 43.369 ng
RT: 15.151 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 360630

Ion	Ratio	Lower	Upper
165	100		
63	47.9	38.3	57.5
89	77.6	62.1	93.1
182	2.6	2.1	3.1

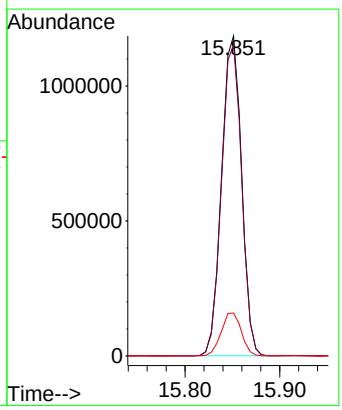


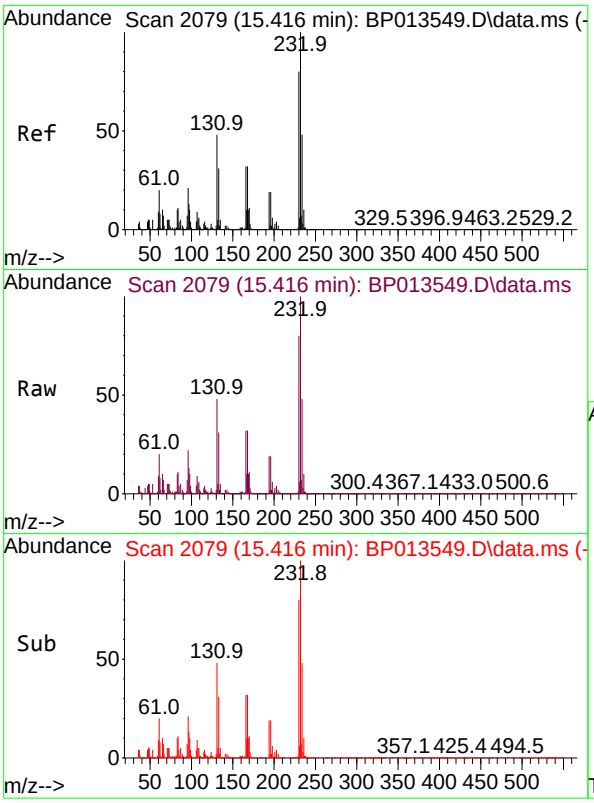


#58
Fluorene
Concen: 40.752 ng
RT: 15.851 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:166 Resp: 1739565

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.8	116.8
167	13.4	10.7	16.1



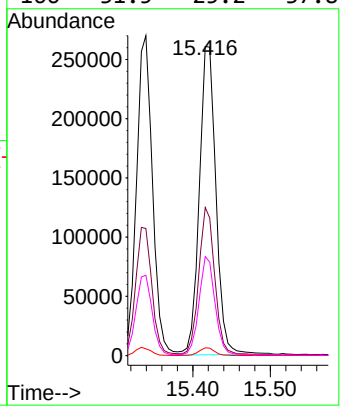


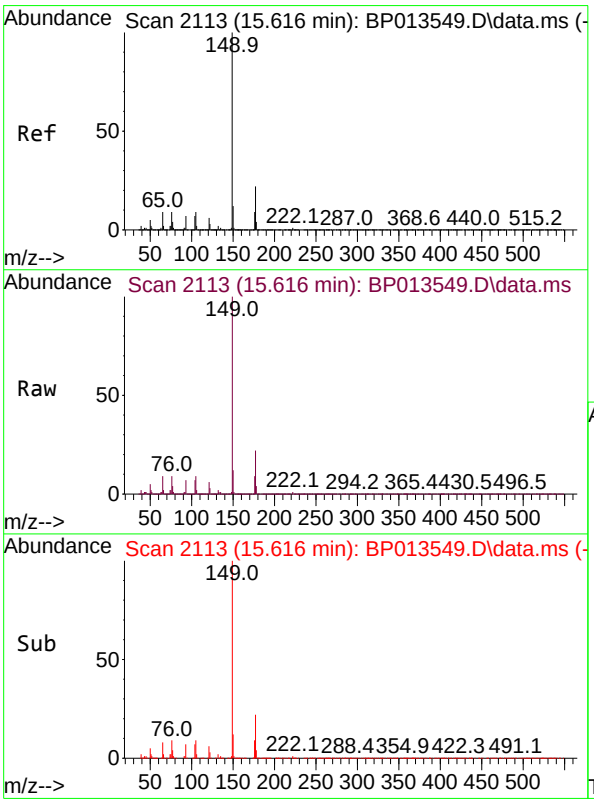
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.224 ng
RT: 15.416 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 388377

Ion	Ratio	Lower	Upper
232	100		
131	46.4	37.1	55.7
130	2.4	1.9	2.9
166	31.5	25.2	37.8

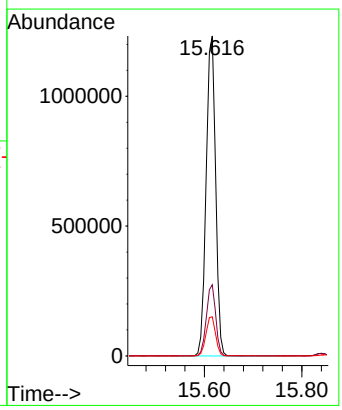


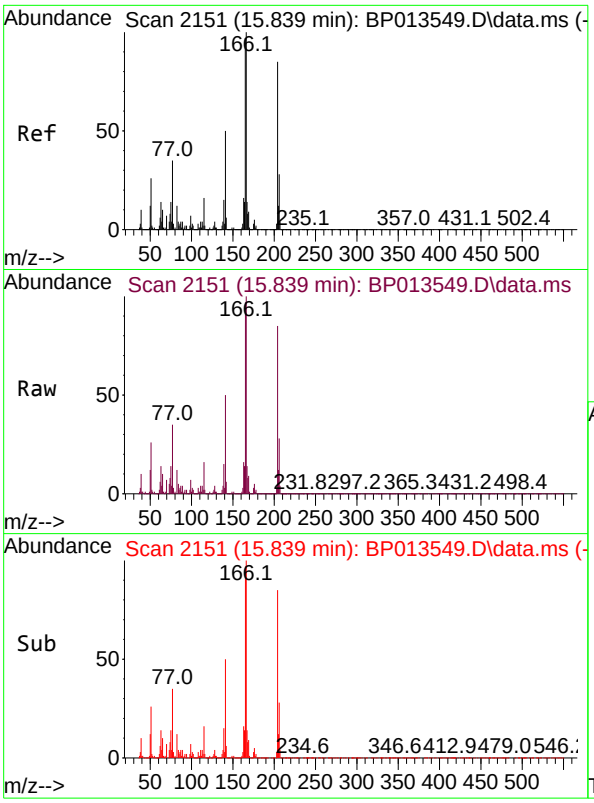


#60
Diethylphthalate
Concen: 39.941 ng
RT: 15.616 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:149 Resp: 1670982

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.6
150	12.2	9.8	14.6



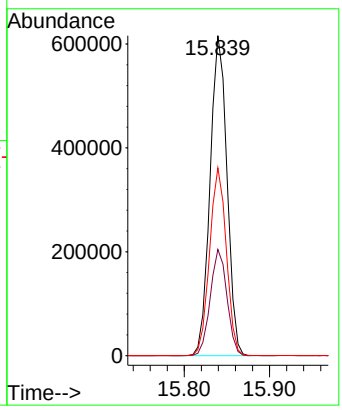


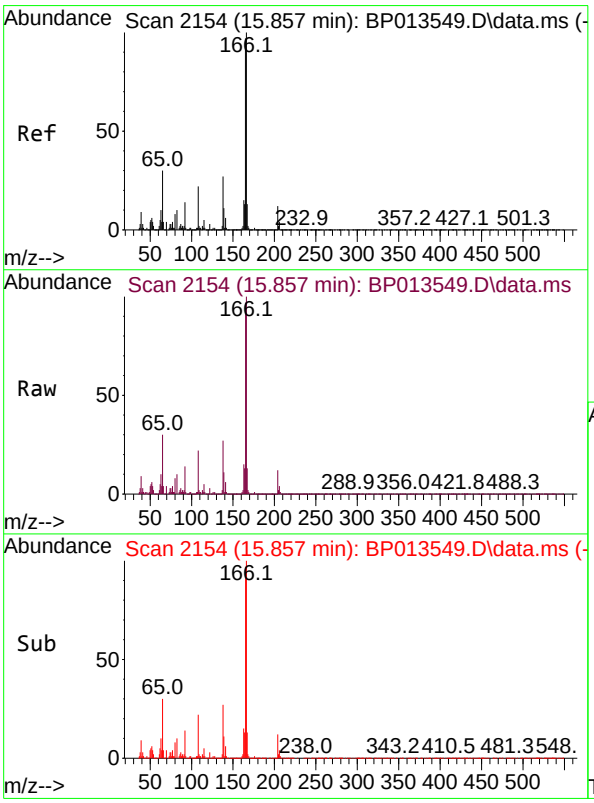
#61
4-Chlorophenyl-phenylether
Concen: 40.406 ng
RT: 15.839 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 848108

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.6	39.8
141	58.7	47.0	70.4

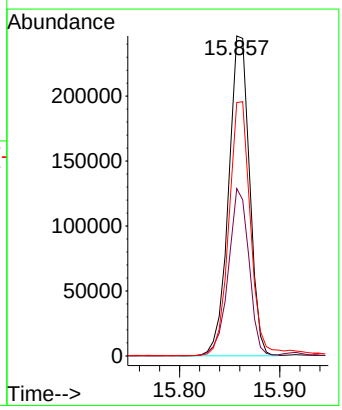


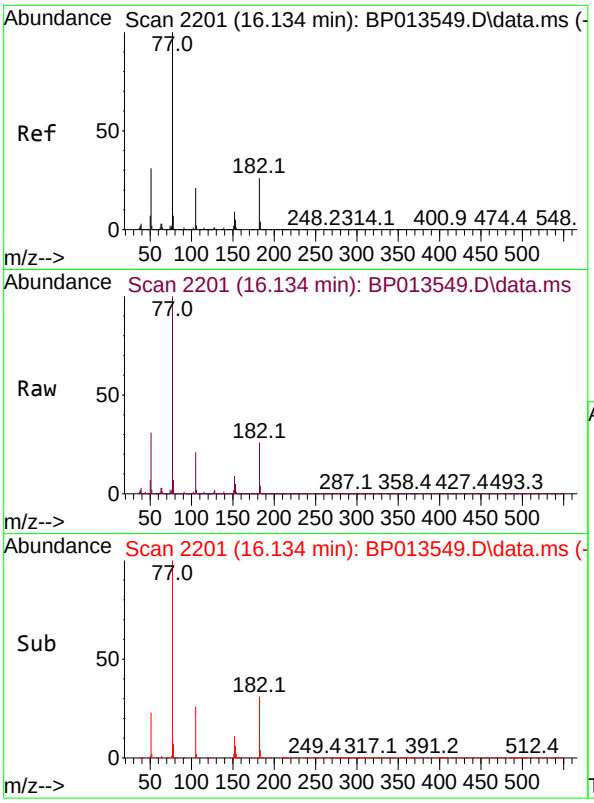


#62
4-Nitroaniline
Concen: 44.253 ng
RT: 15.857 min Scan# 2154
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:138 Resp: 358025

Ion	Ratio	Lower	Upper
138	100		
92	52.3	32.3	72.3
108	79.2	59.2	99.2



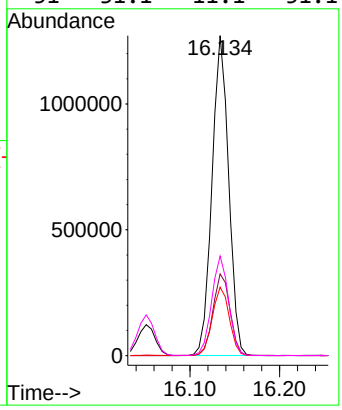


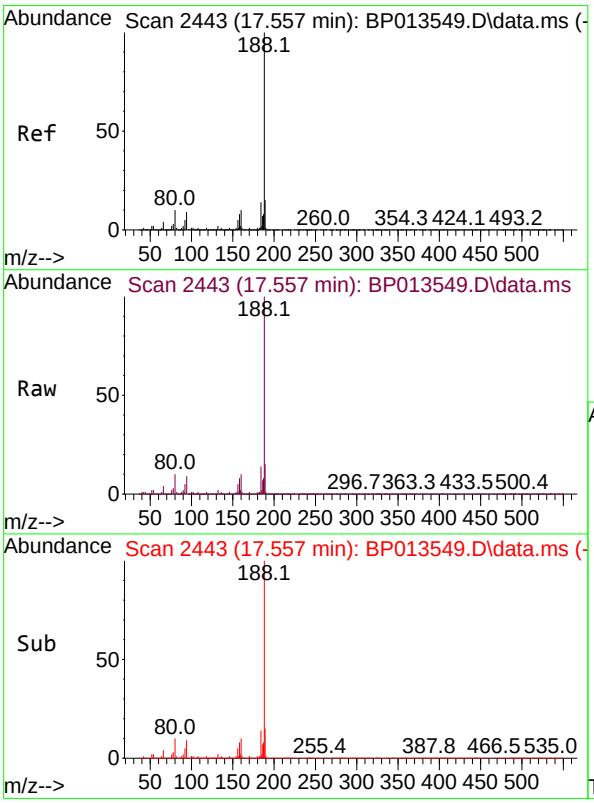
#63
Azobenzene
Concen: 40.260 ng
RT: 16.134 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1636697

Ion	Ratio	Lower	Upper
77	100		
182	25.5	5.5	45.5
105	21.4	1.4	41.4
51	31.1	11.1	51.1

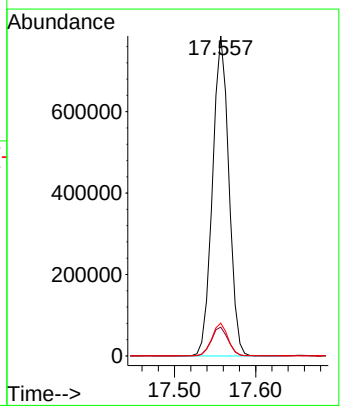


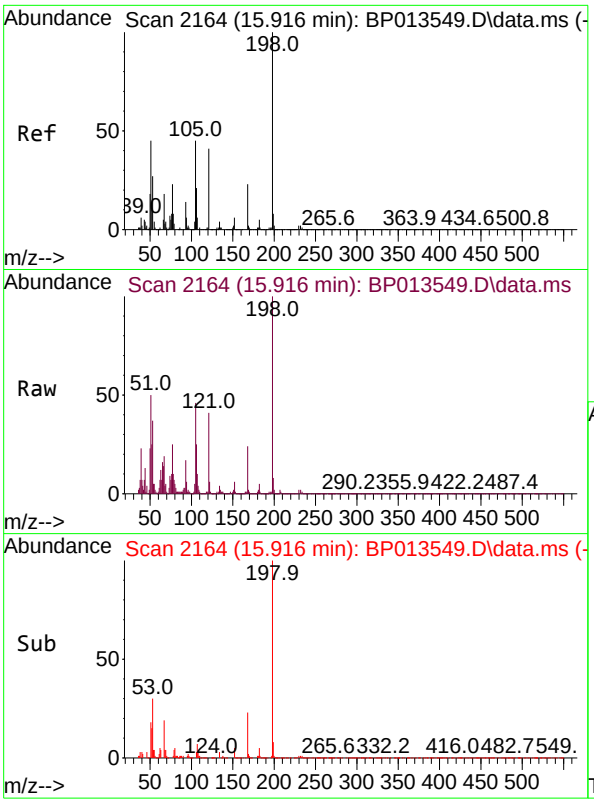


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.557 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:188 Resp: 1099756

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.2	8.2	12.2



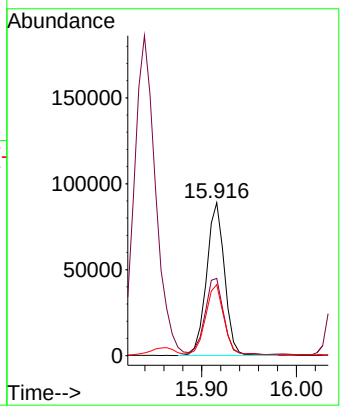


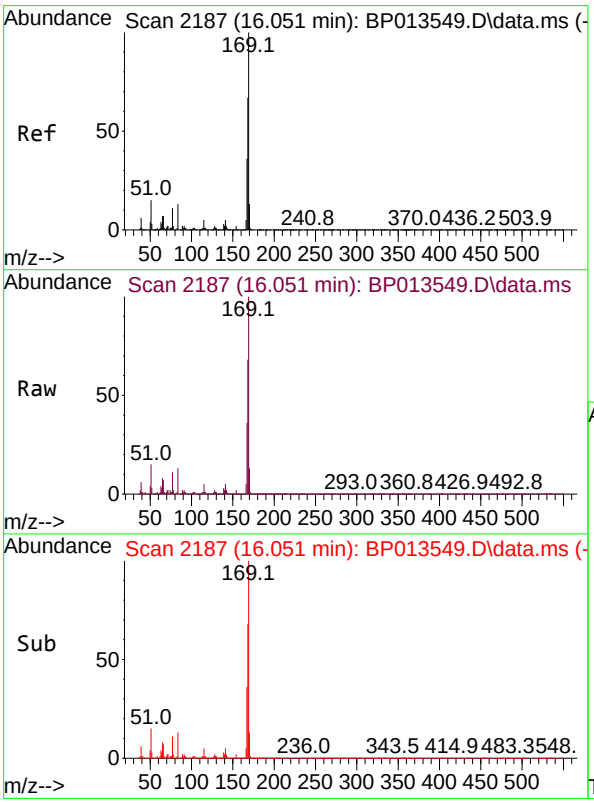
#65
4,6-Dinitro-2-methylphenol
Concen: 36.827 ng
RT: 15.916 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 117049

Ion	Ratio	Lower	Upper
198	100		
51	50.4	30.4	70.4
105	46.4	26.4	66.4

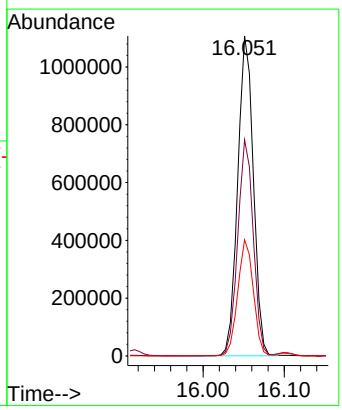


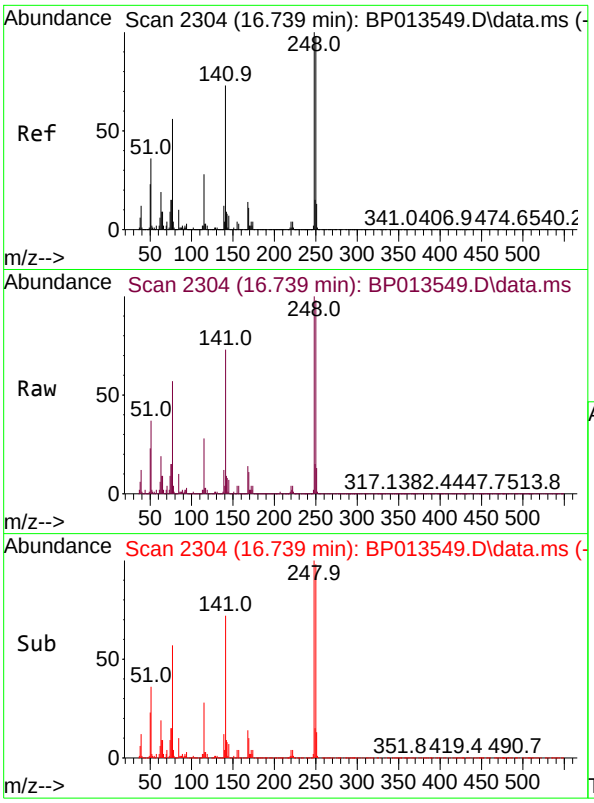


#66
n-Nitrosodiphenylamine
Concen: 41.419 ng
RT: 16.051 min Scan# 2187
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:169 Resp: 1485470

Ion	Ratio	Lower	Upper
169	100		
168	67.5	54.0	81.0
167	36.3	29.0	43.6



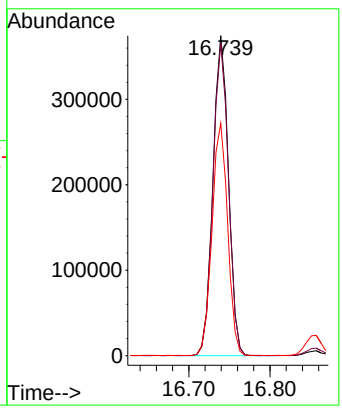


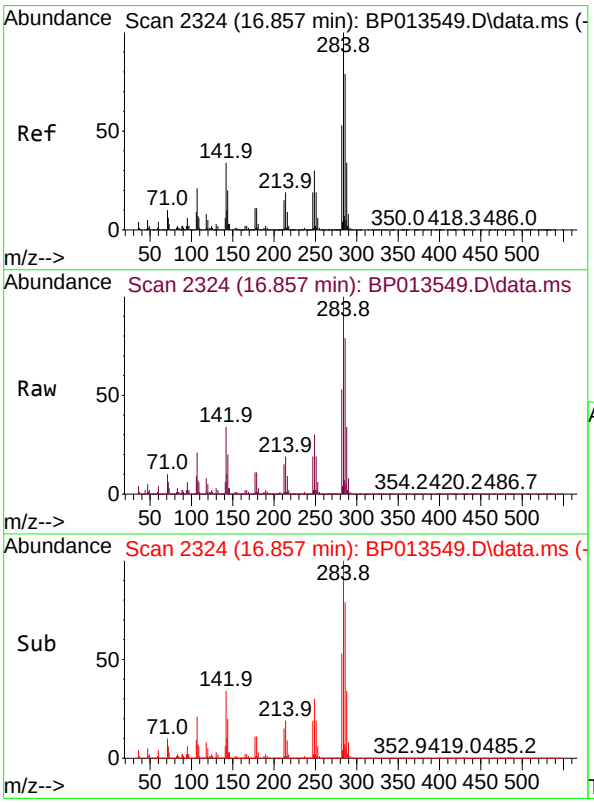
#67
4-Bromophenyl-phenylether
Concen: 40.860 ng
RT: 16.739 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 497757

Ion	Ratio	Lower	Upper
248	100		
250	97.6	78.1	117.1
141	72.6	58.1	87.1

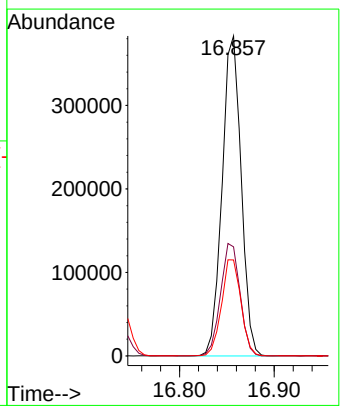


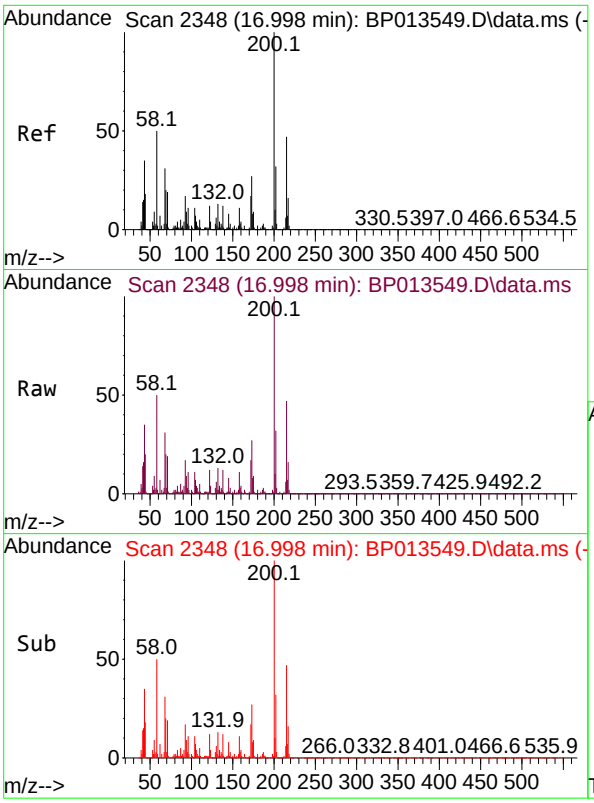


#68
Hexachlorobenzene
Concen: 40.619 ng
RT: 16.857 min Scan# 2324
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:284 Resp: 534487

Ion	Ratio	Lower	Upper
284	100		
142	34.1	27.3	40.9
249	30.0	24.0	36.0



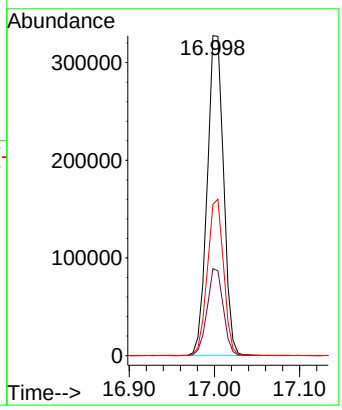


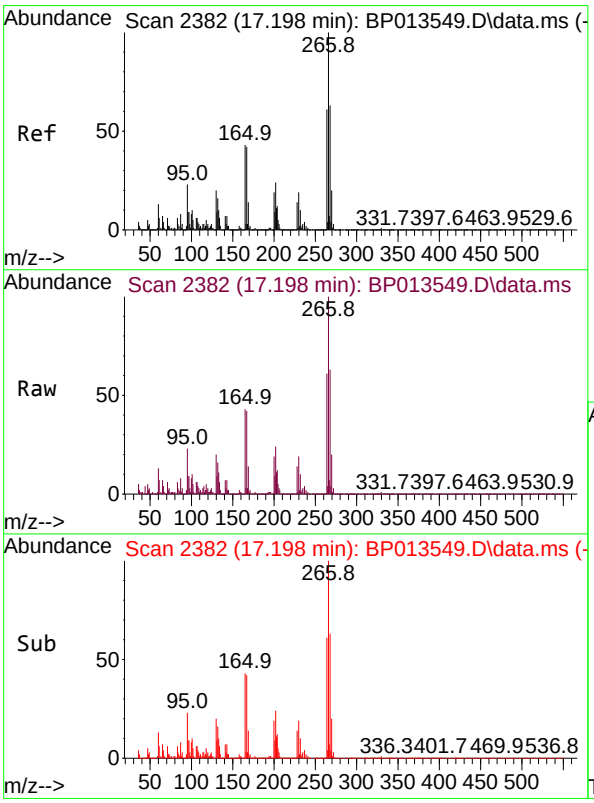
#69
Atrazine
Concen: 42.607 ng
RT: 16.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 437218

Ion	Ratio	Lower	Upper
200	100		
173	27.2	7.2	47.2
215	47.3	27.3	67.3

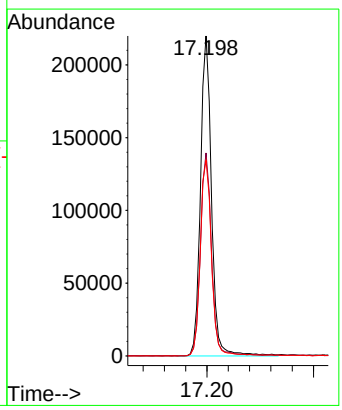


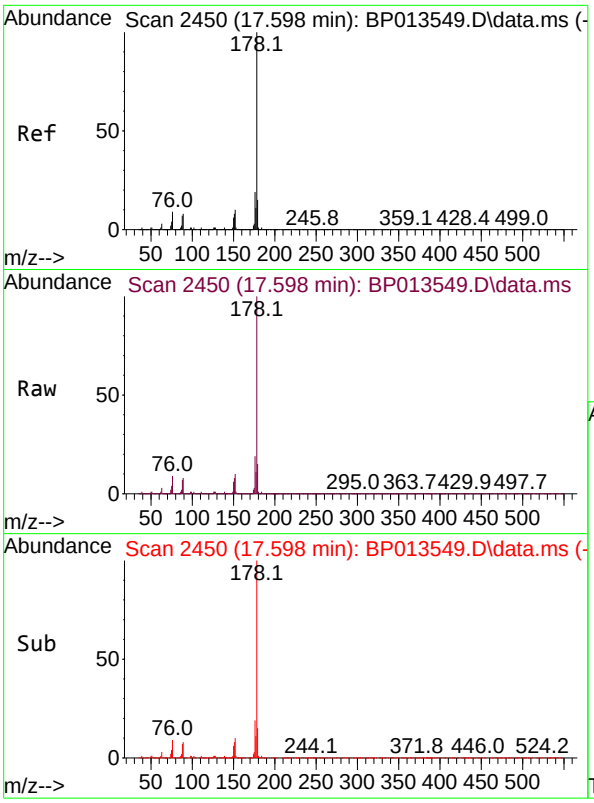


#70
Pentachlorophenol
Concen: 41.008 ng
RT: 17.198 min Scan# 2382
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:266 Resp: 314263

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.7	76.1
264	61.1	48.9	73.3



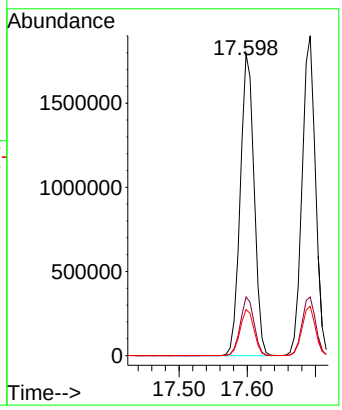


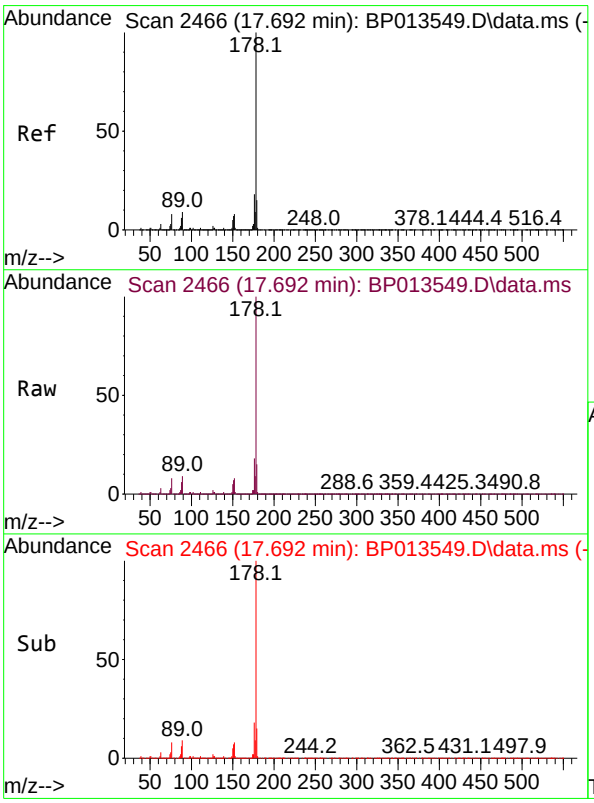
#71
Phenanthrene
Concen: 41.362 ng
RT: 17.598 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2530902

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.3	12.2	18.4

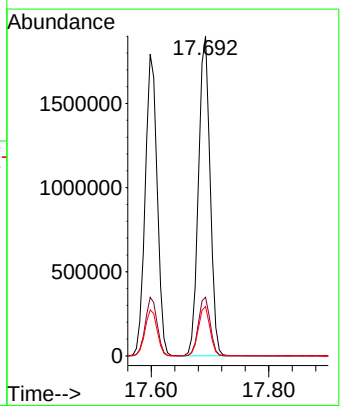


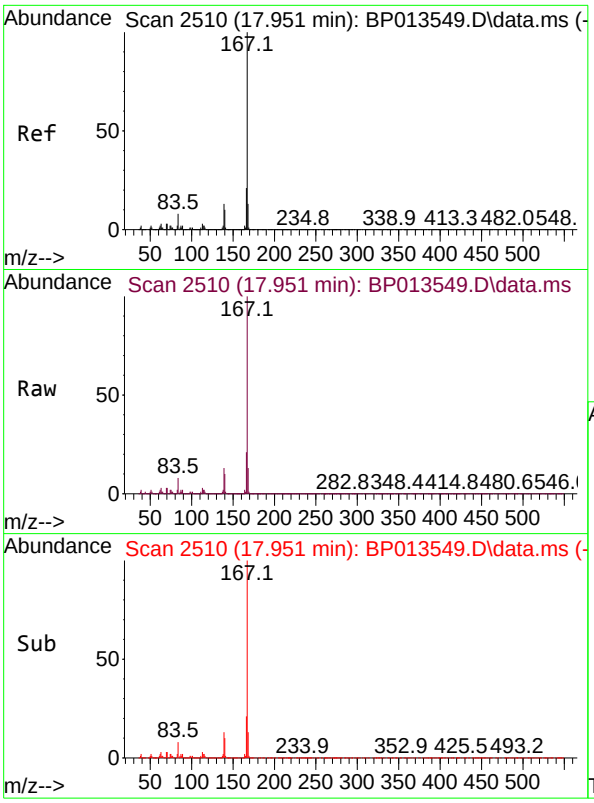


#72
Anthracene
Concen: 41.843 ng
RT: 17.692 min Scan# 2466
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:178 Resp: 2598557

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.4	12.3	18.5



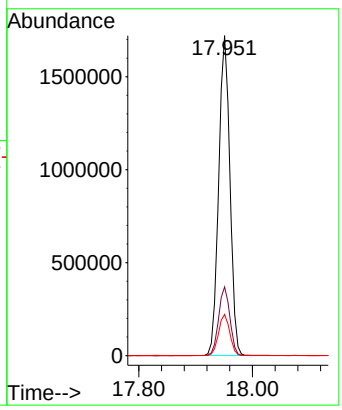


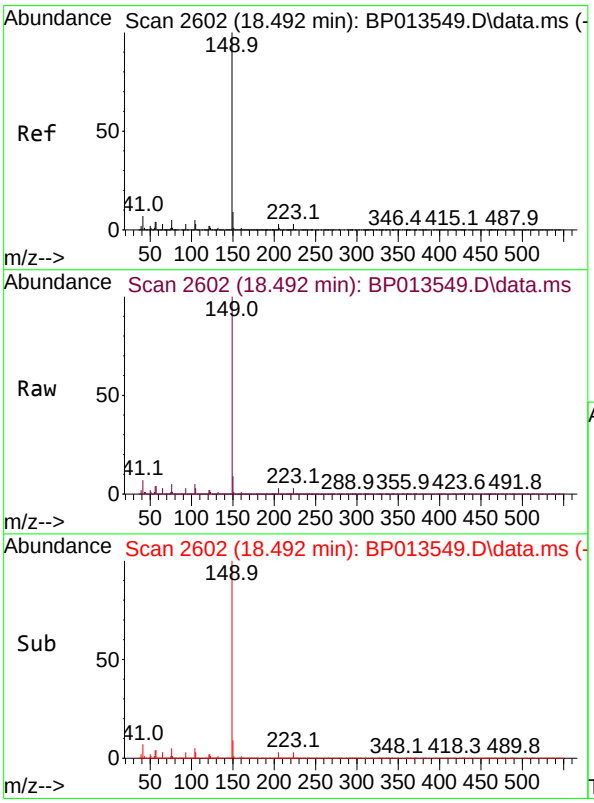
#73
Carbazole
Concen: 42.026 ng
RT: 17.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2345474

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.9	10.3	15.5

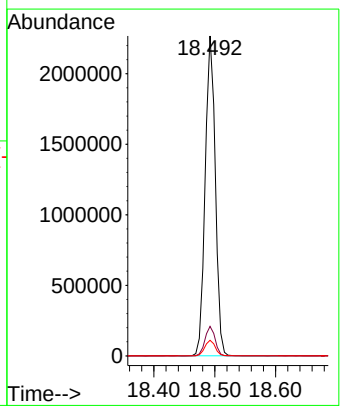


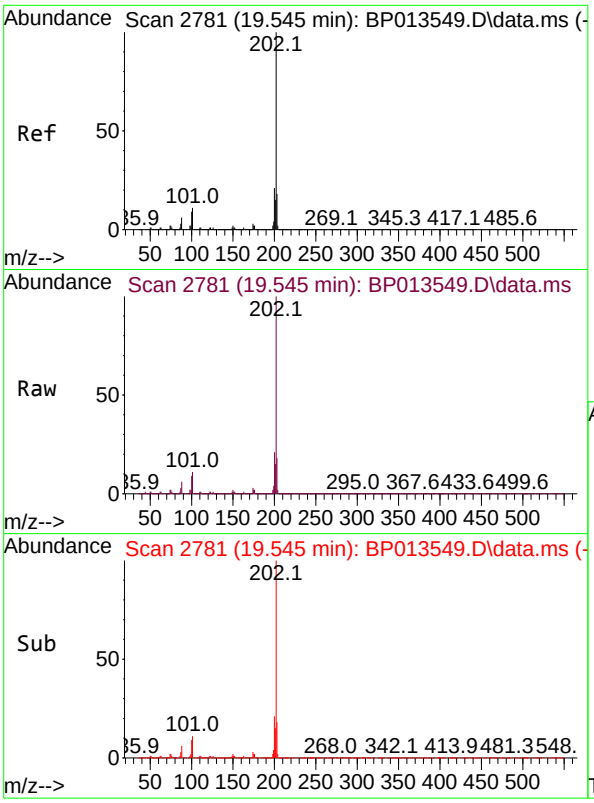


#74
Di-n-butylphthalate
Concen: 42.002 ng
RT: 18.492 min Scan# 2602
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:149 Resp: 2608944

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.9	3.9	5.9



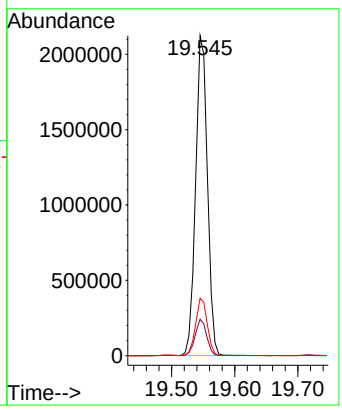


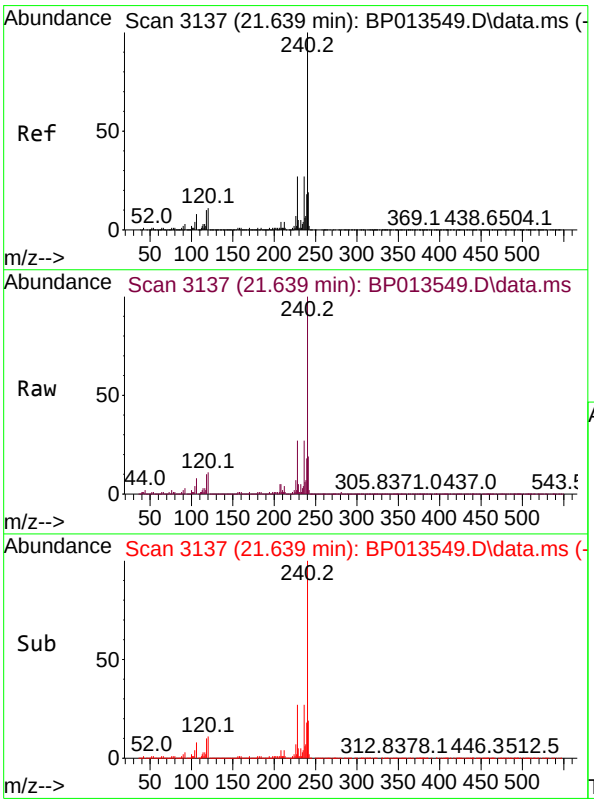
#75
Fluoranthene
Concen: 42.428 ng
RT: 19.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 2760809

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	17.9	0.0	37.9

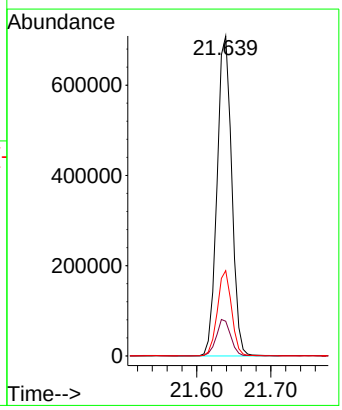


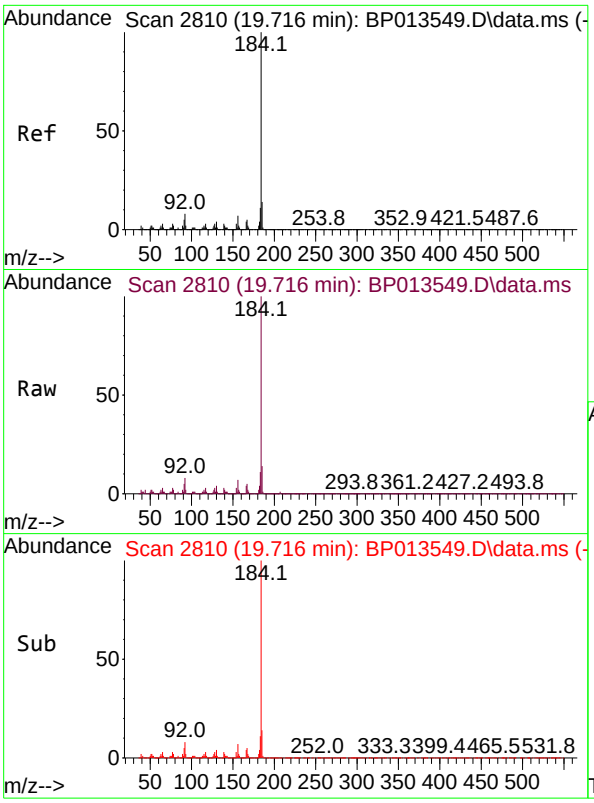


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:240 Resp: 969658

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	26.6	21.3	31.9



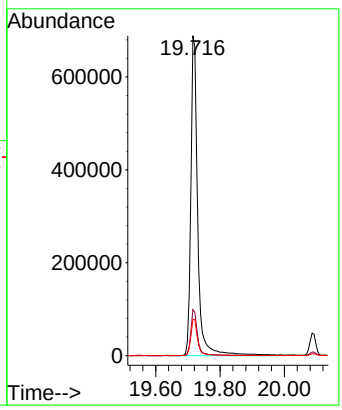


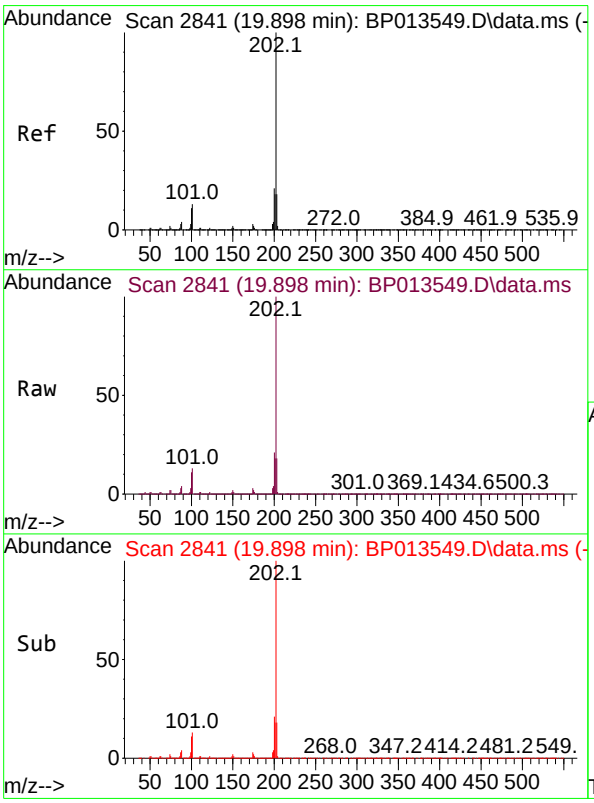
#77
Benzidine
Concen: 42.009 ng
RT: 19.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1024493

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.3	9.0	13.6

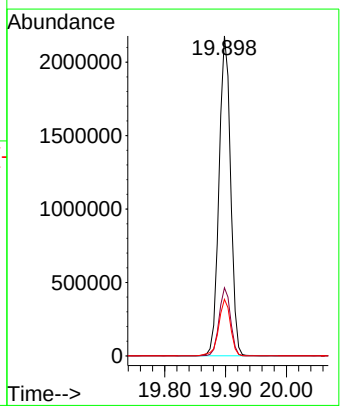


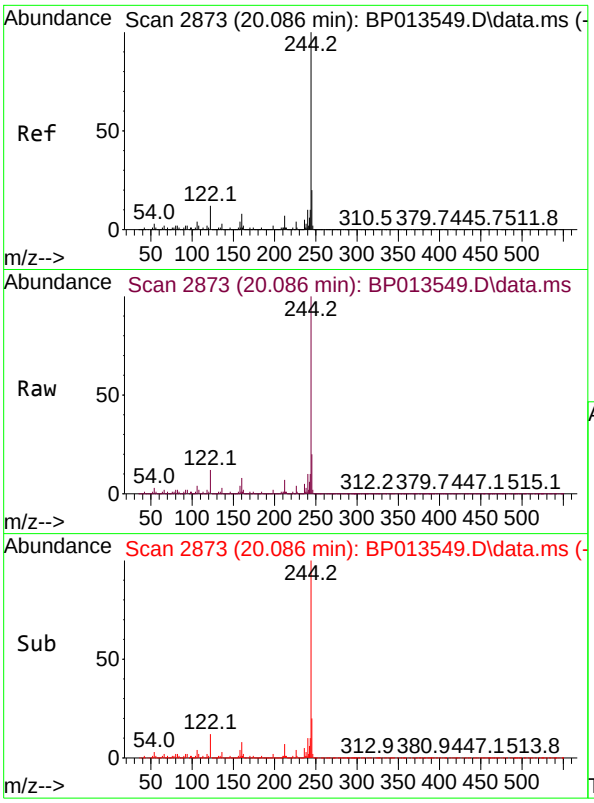


#78
Pyrene
Concen: 38.756 ng
RT: 19.898 min Scan# 2841
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:202 Resp: 2873475

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.7	14.2	21.2



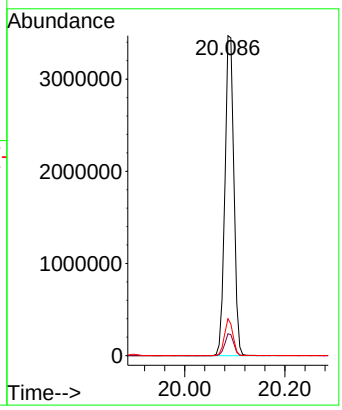


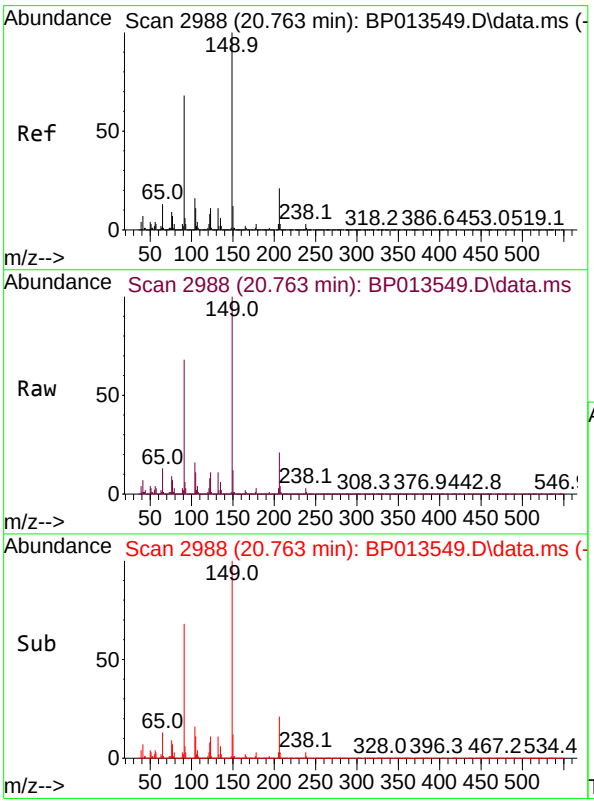
#79
Terphenyl-d14
Concen: 79.999 ng
RT: 20.086 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 4311910

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	11.5	9.2	13.8

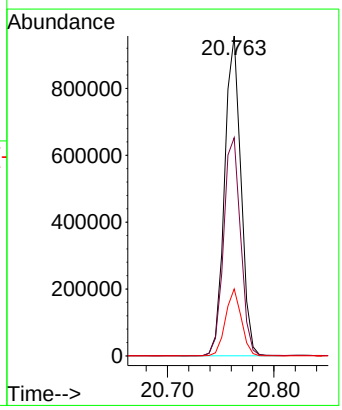


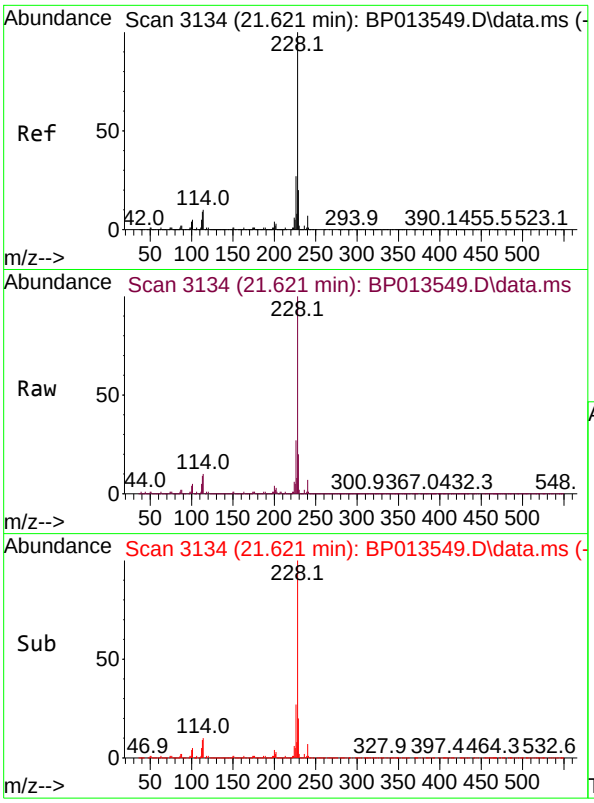


#80
Butylbenzylphthalate
Concen: 41.751 ng
RT: 20.763 min Scan# 2988
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:149 Resp: 1021435

Ion	Ratio	Lower	Upper
149	100		
91	68.2	54.6	81.8
206	20.9	16.7	25.1



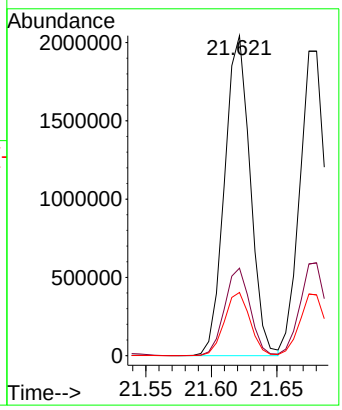


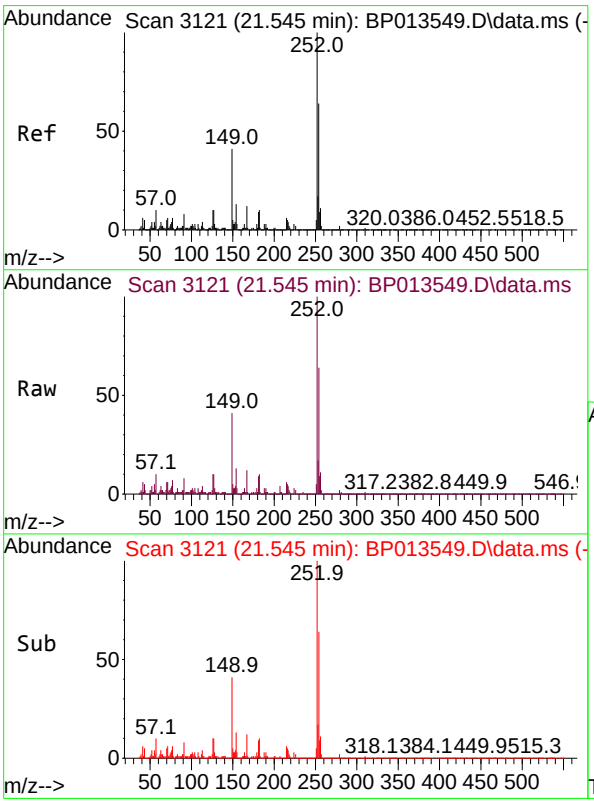
#81
Benzo(a)anthracene
Concen: 41.094 ng
RT: 21.621 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 2775984

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.7	15.8	23.6

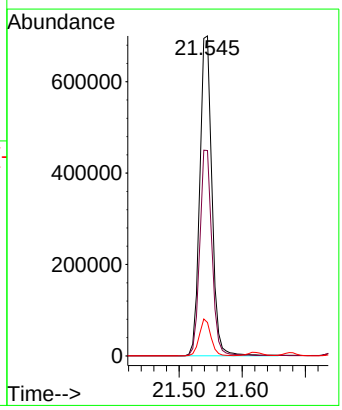


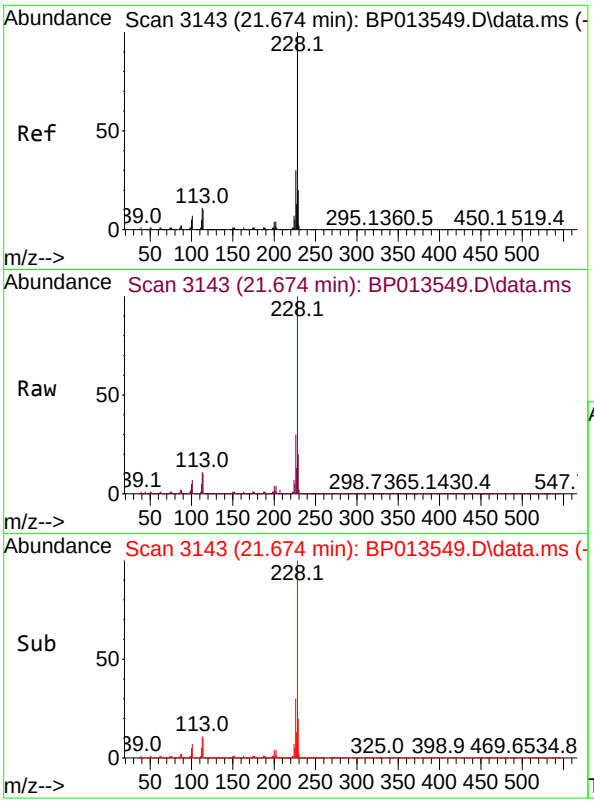


#82
3,3'-Dichlorobenzidine
Concen: 42.918 ng
RT: 21.545 min Scan# 3121
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:252 Resp: 934127

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.4	77.0
126	10.4	8.3	12.5



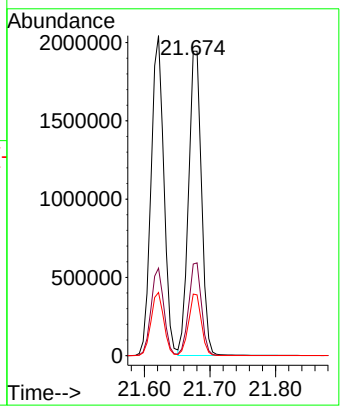


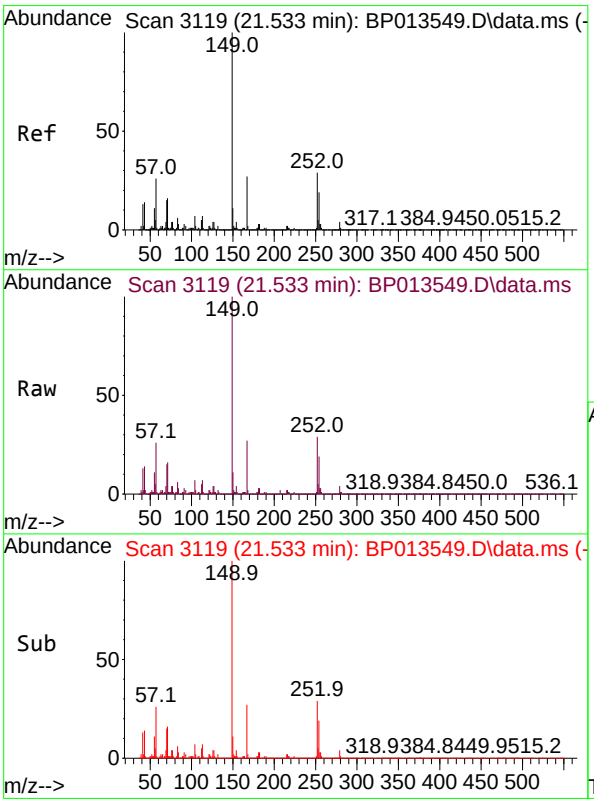
#83
Chrysene
Concen: 41.314 ng
RT: 21.674 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 2669312

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	20.2	16.2	24.2

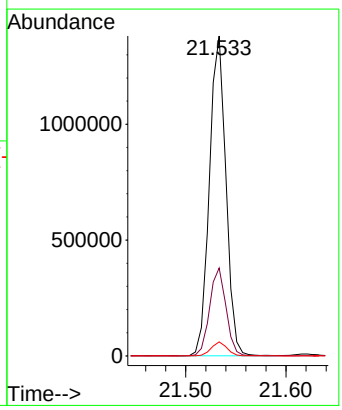


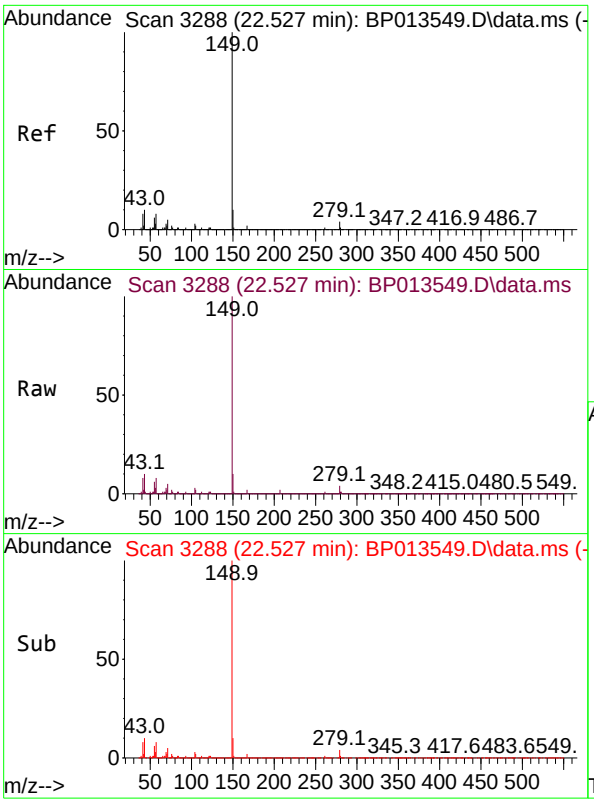


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.772 ng
RT: 21.533 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:149 Resp: 1578132

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.0	33.0
279	4.4	3.5	5.3



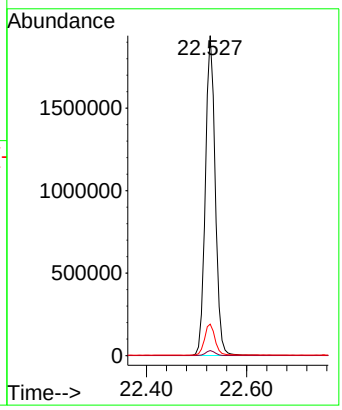


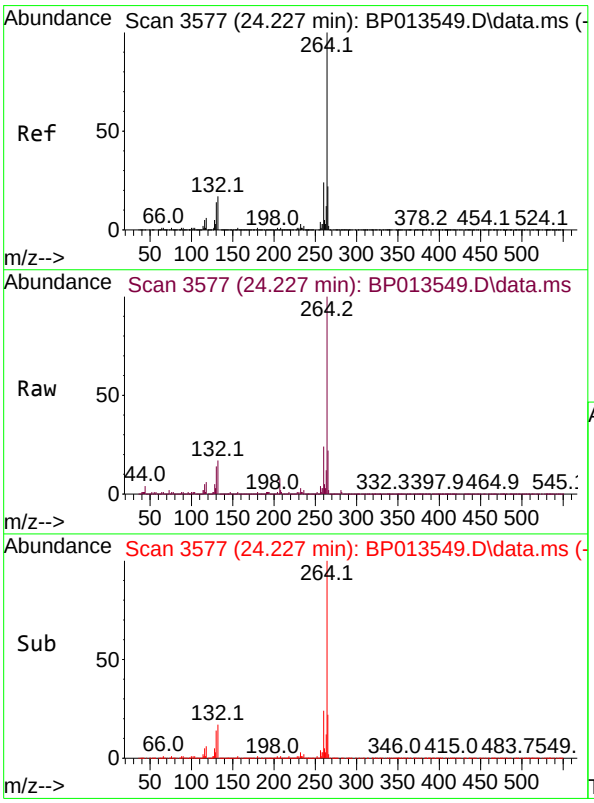
#85
Di-n-octyl phthalate
Concen: 43.351 ng
RT: 22.527 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 2640501

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.3	8.2	12.4

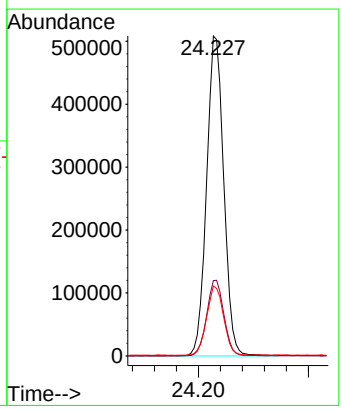


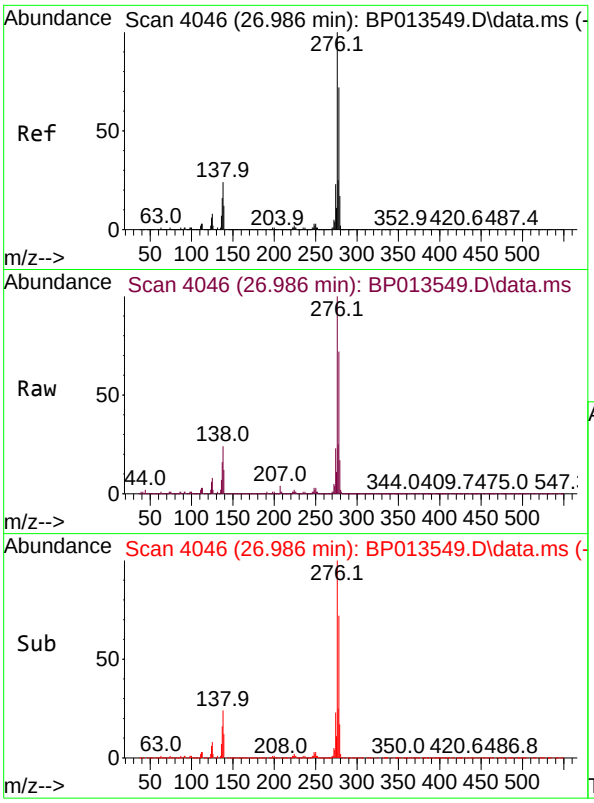


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.227 min Scan# 3577
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:264 Resp: 1100448

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.8	17.4	26.2



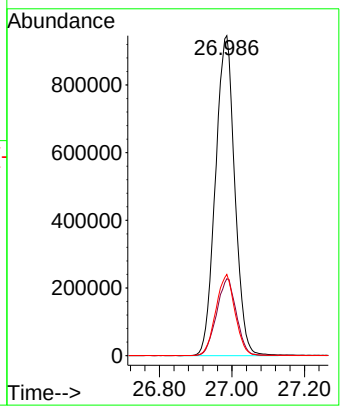


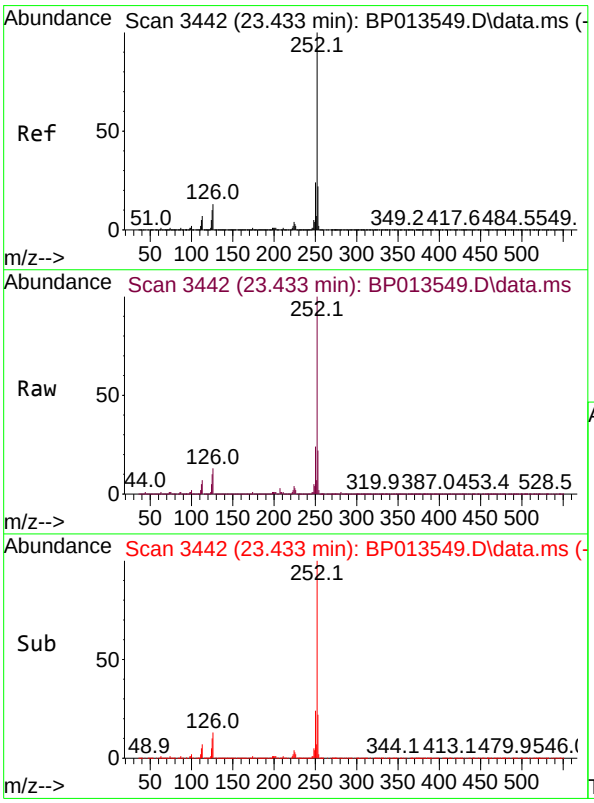
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.139 ng
RT: 26.986 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 3496727

Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.8	29.6
277	25.3	20.2	30.4

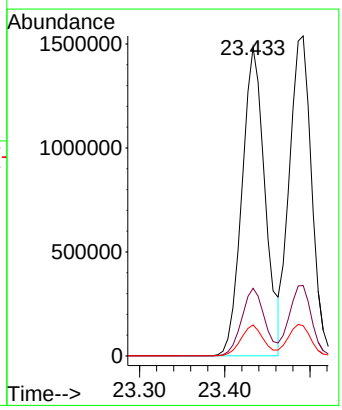


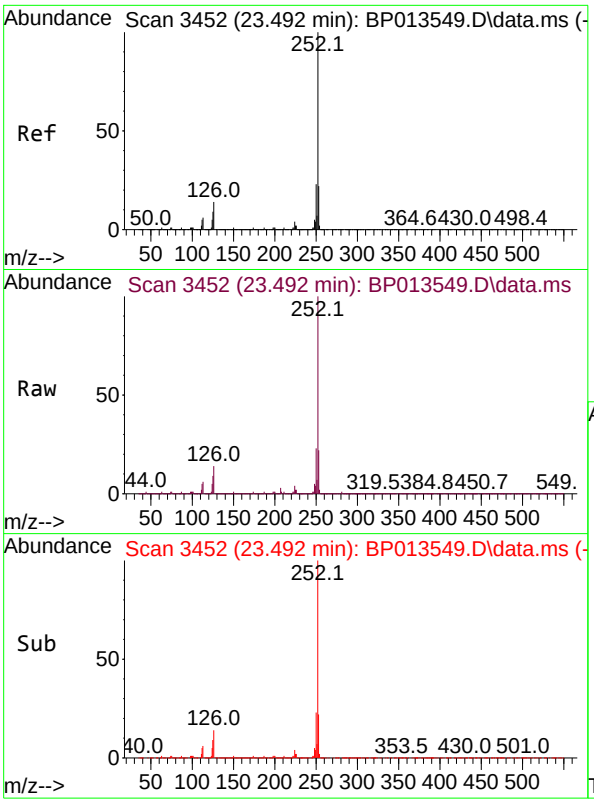


#88
Benzo(b)fluoranthene
Concen: 41.229 ng
RT: 23.433 min Scan# 3442
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:252 Resp: 2791072

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.0	8.0	12.0



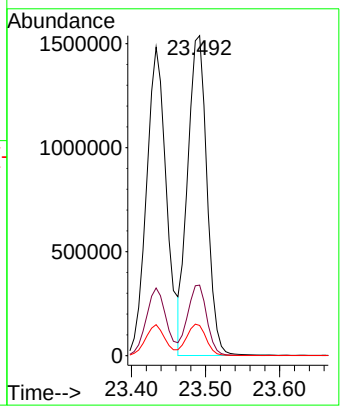


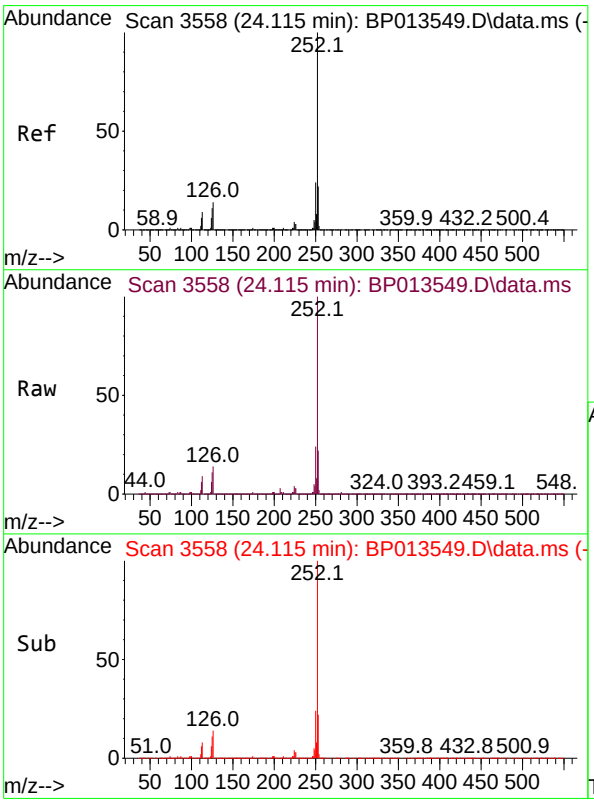
#89
Benzo(k)fluoranthene
Concen: 40.264 ng
RT: 23.492 min Scan# 34
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 2780108

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.4	7.5	11.3

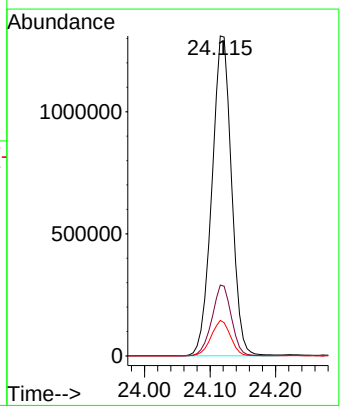


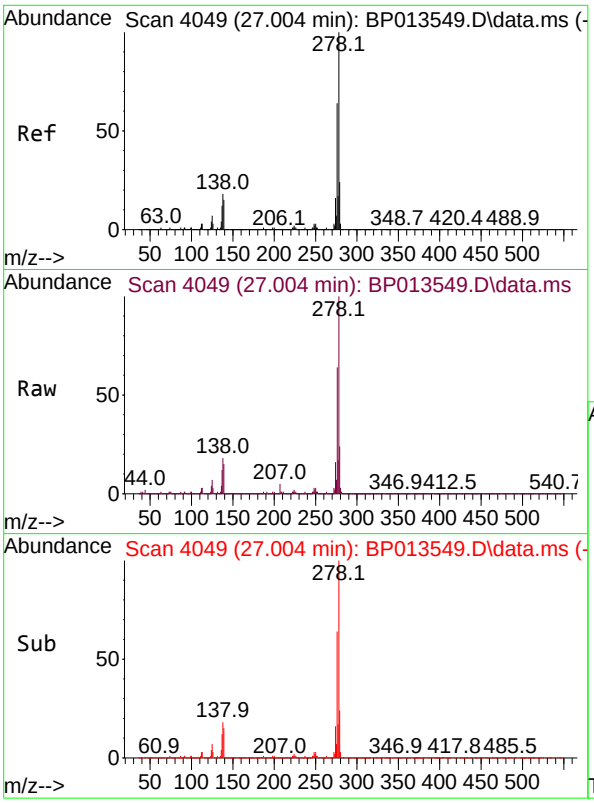


#90
Benzo(a)pyrene
Concen: 41.543 ng
RT: 24.115 min Scan# 3558
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:252 Resp: 2728136

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.1	8.9	13.3



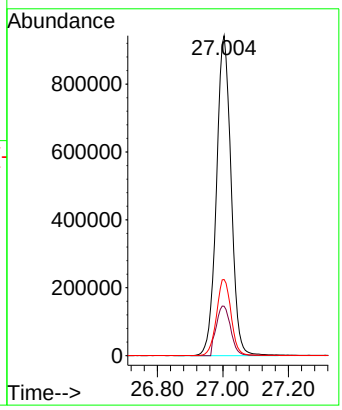


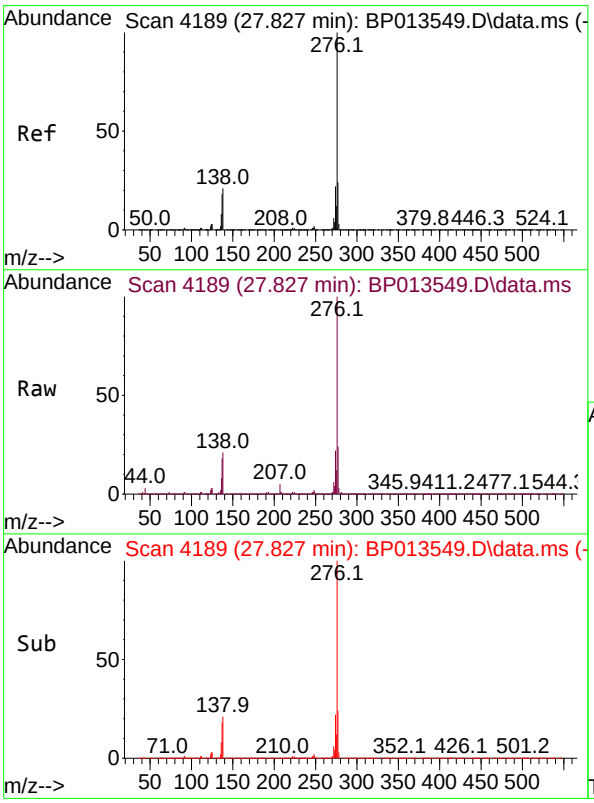
#91
Dibenzo(a,h)anthracene
Concen: 43.083 ng
RT: 27.004 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 2929191

Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.3	18.5
279	23.8	19.0	28.6

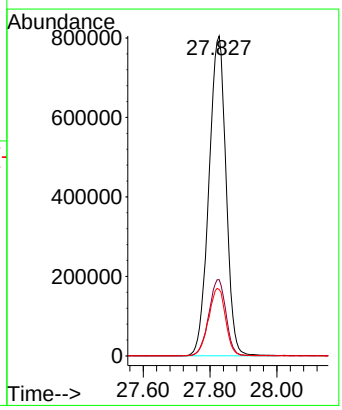




#92
Benzo(g,h,i)perylene
Concen: 35.219 ng
RT: 27.827 min Scan# 4189
Delta R.T. 0.000 min
Lab File: BP013549.D
Acq: 23 Jan 2023 13:42

Tgt Ion:276 Resp: 2854720

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	20.8	16.6	25.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013550.D
Acq On : 23 Jan 2023 14:17
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Jan 24 03:05:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.163	152	307149	20.000	ng		0.00
21) Naphthalene-d8	10.999	136	1192343	20.000	ng		0.00
39) Acenaphthene-d10	14.804	164	666536	20.000	ng		0.00
64) Phenanthrene-d10	17.557	188	1253307	20.000	ng		0.00
76) Chrysene-d12	21.639	240	1022072	20.000	ng		0.00
86) Perylene-d12	24.233	264	1160027	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.687	112	1819154	101.477	ng		0.00
7) Phenol-d6	7.305	99	2442157	101.221	ng		0.00
23) Nitrobenzene-d5	9.340	82	2026427	112.198	ng		0.00
42) 2,4,6-Tribromophenol	16.292	330	754706	108.603	ng		0.00
45) 2-Fluorobiphenyl	13.434	172	5079236	104.601	ng		0.00
79) Terphenyl-d14	20.092	244	5754544	101.289	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.528	88	364378	50.420	ng		97
3) Pyridine	3.940	79	1094029	51.148	ng		99
4) n-Nitrosodimethylamine	3.852	42	486558	50.161	ng		100
6) Aniline	7.481	93	1628298	50.239	ng		99
8) 2-Chlorophenol	7.722	128	1007028	50.908	ng		99
9) Benzaldehyde	7.293	77	621585	47.529	ng		99
10) Phenol	7.334	94	1266910	50.682	ng		100
11) bis(2-Chloroethyl)ether	7.575	93	1019121	49.860	ng		98
12) 1,3-Dichlorobenzene	8.052	146	1089359	49.797	ng		99
13) 1,4-Dichlorobenzene	8.199	146	1101087	49.640	ng		99
14) 1,2-Dichlorobenzene	8.522	146	1063978	49.538	ng		99
15) Benzyl Alcohol	8.399	79	872703	50.627	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.699	45	1370980	48.920	ng		99
17) 2-Methylphenol	8.599	107	916548	50.487	ng		99
18) Hexachloroethane	9.263	117	380071	51.263	ng		100
19) n-Nitroso-di-n-propyla...	8.981	70	781018	50.258	ng		98
20) 3+4-Methylphenols	8.934	107	1218652	51.000	ng		98
22) Acetophenone	8.993	105	1561560	51.051	ng	#	99
24) Nitrobenzene	9.381	77	1062295	54.702	ng		99
25) Isophorone	9.910	82	2164290	50.520	ng		99
26) 2-Nitrophenol	10.099	139	364704	60.228	ng		98
27) 2,4-Dimethylphenol	10.152	122	964292	51.062	ng		100
28) bis(2-Chloroethoxy)met...	10.393	93	1319988	51.129	ng		100
29) 2,4-Dichlorophenol	10.634	162	904413	53.168	ng		99
30) 1,2,4-Trichlorobenzene	10.857	180	997891	51.405	ng		99
31) Naphthalene	11.052	128	3288111	51.295	ng		99
32) Benzoic acid	10.281	122	461601	55.925	ng		98
33) 4-Chloroaniline	11.152	127	1448908	51.084	ng		99
34) Hexachlorobutadiene	11.334	225	579624	51.308	ng		99
35) Caprolactam	11.928	113	280183	50.992	ng		98
36) 4-Chloro-3-methylphenol	12.257	107	969564	52.337	ng		98
37) 2-Methylnaphthalene	12.646	142	2317868	50.871	ng		99
38) 1-Methylnaphthalene	12.863	142	2170752	50.702	ng		98
40) 1,2,4,5-Tetrachloroben...	13.004	216	1087777	53.009	ng		100
41) Hexachlorocyclopentadiene	12.987	237	541403	56.046	ng		97
43) 2,4,6-Trichlorophenol	13.234	196	668351	55.649	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013550.D
Acq On : 23 Jan 2023 14:17
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Jan 24 03:05:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

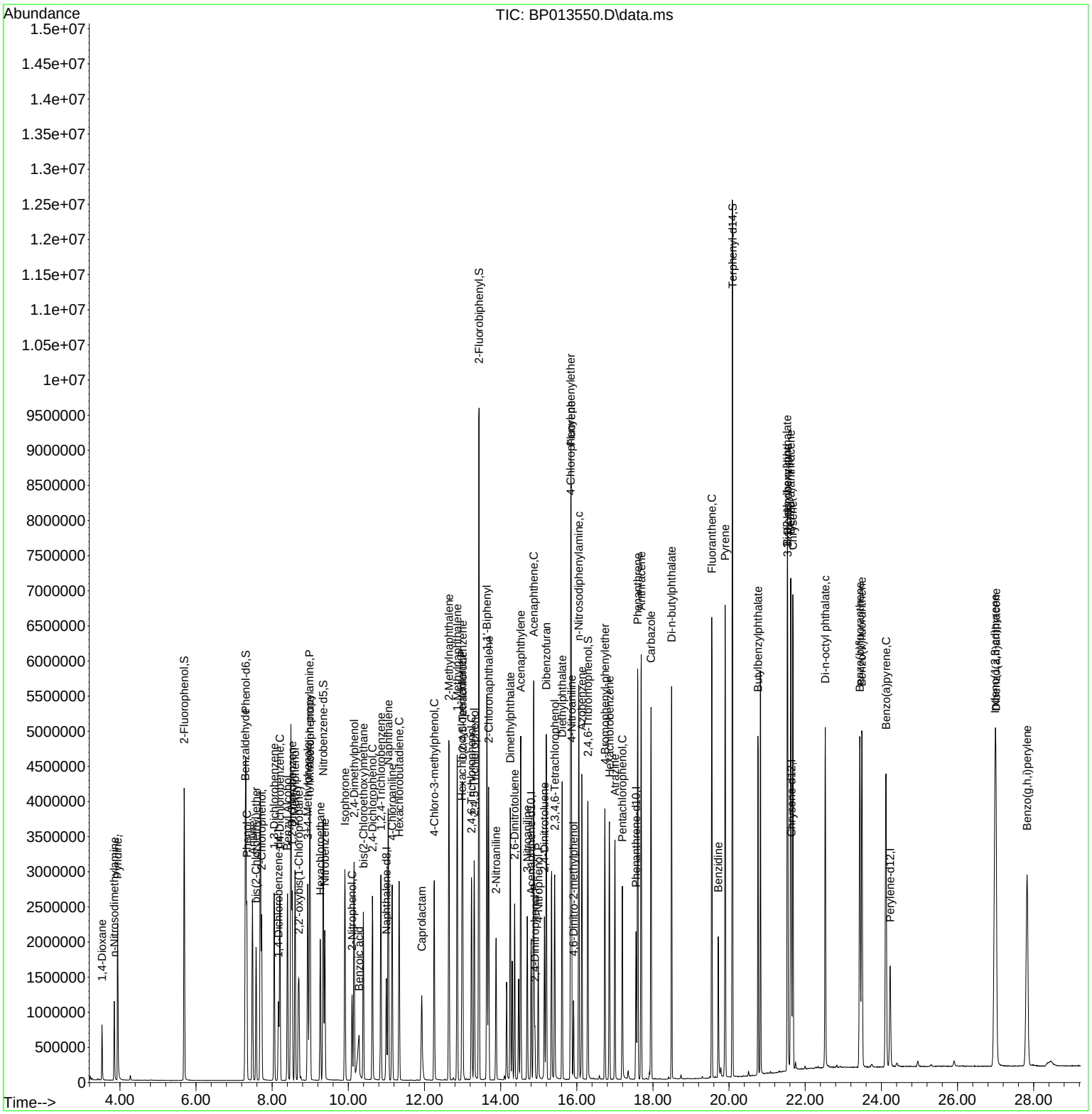
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.304	196	789102	55.602	ng	99
46) 1,1'-Biphenyl	13.640	154	2785653	52.039	ng	100
47) 2-Chloronaphthalene	13.687	162	2084939	51.989	ng	99
48) 2-Nitroaniline	13.881	65	491967	61.312	ng	96
49) Acenaphthylene	14.528	152	3401907	51.871	ng	99
50) Dimethylphthalate	14.251	163	2529035	51.043	ng	100
51) 2,6-Dinitrotoluene	14.369	165	477861	59.732	ng	98
52) Acenaphthene	14.869	154	2104645	51.951	ng	99
53) 3-Nitroaniline	14.698	138	537431	58.593	ng	97
54) 2,4-Dinitrophenol	14.898	184	130481	53.521	ng	96
55) Dibenzofuran	15.198	168	3183762	51.250	ng	100
56) 4-Nitrophenol	14.992	139	401431	53.652	ng	95
57) 2,4-Dinitrotoluene	15.151	165	584091	60.727	ng	95
58) Fluorene	15.851	166	2521774	51.073	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.422	232	580482	53.268	ng	99
60) Diethylphthalate	15.616	149	2430120	50.217	ng	100
61) 4-Chlorophenyl-phenyle...	15.839	204	1239146	51.039	ng	100
62) 4-Nitroaniline	15.863	138	537563	57.443	ng	99
63) Azobenzene	16.134	77	2361237	50.214	ng	98
65) 4,6-Dinitro-2-methylph...	15.916	198	204333	56.412	ng	96
66) n-Nitrosodiphenylamine	16.051	169	2148206	52.560	ng	99
67) 4-Bromophenyl-phenylether	16.739	248	728800	52.496	ng	99
68) Hexachlorobenzene	16.857	284	784574	52.320	ng	99
69) Atrazine	17.004	200	606877	51.895	ng	99
70) Pentachlorophenol	17.198	266	473242	54.187	ng	99
71) Phenanthrene	17.598	178	3587319	51.444	ng	100
72) Anthracene	17.692	178	3657338	51.676	ng	99
73) Carbazole	17.951	167	3263507	51.311	ng	100
74) Di-n-butylphthalate	18.492	149	3716073	52.496	ng	100
75) Fluoranthene	19.545	202	3780250	50.978	ng	100
77) Benzidine	19.716	184	1170897	45.550	ng	100
78) Pyrene	19.898	202	3933194	50.328	ng	100
80) Butylbenzylphthalate	20.757	149	1391457	53.959	ng	95
81) Benzo(a)anthracene	21.622	228	3654756	51.328	ng	99
82) 3,3'-Dichlorobenzidine	21.539	252	1243571	54.205	ng	99
83) Chrysene	21.674	228	3490763	51.257	ng	100
84) Bis(2-ethylhexyl)phtha...	21.527	149	2097331	52.668	ng	99
85) Di-n-octyl phthalate	22.527	149	3511834	54.700	ng	99
87) Indeno(1,2,3-cd)pyrene	26.986	276	4659916	54.537	ng	100
88) Benzo(b)fluoranthene	23.433	252	3674525	51.492	ng	99
89) Benzo(k)fluoranthene	23.486	252	3671979	50.449	ng	99
90) Benzo(a)pyrene	24.121	252	3601967	52.033	ng	99
91) Dibenzo(a,h)anthracene	27.009	278	3928886	54.819	ng	99
92) Benzo(g,h,i)perylene	27.827	276	3824151	44.756	ng	100

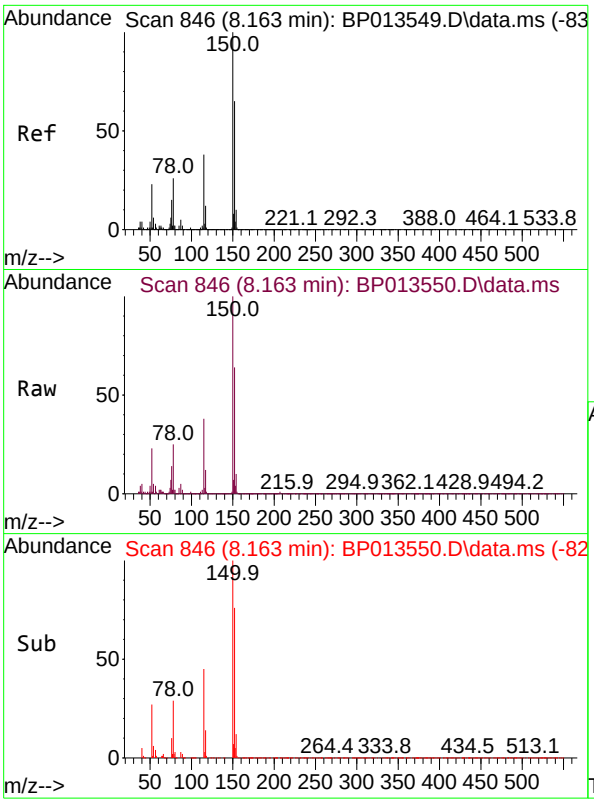
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013550.D
Acq On : 23 Jan 2023 14:17
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Jan 24 03:05:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration



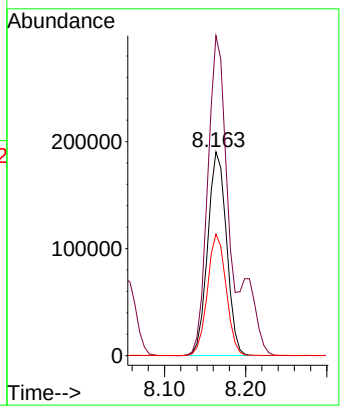


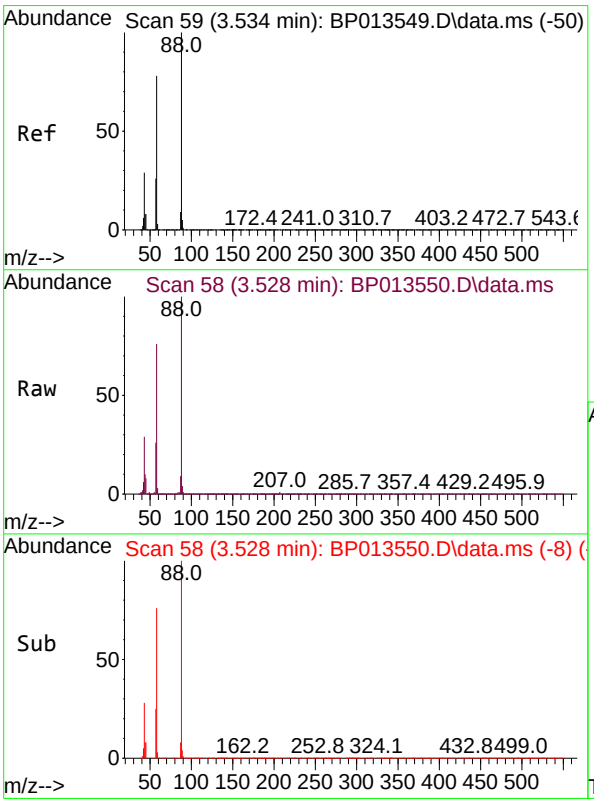
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.163 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 307149

Ion	Ratio	Lower	Upper
152	100		
150	157.1	122.4	183.6
115	59.7	46.1	69.1

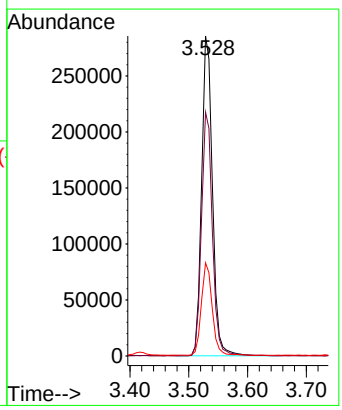


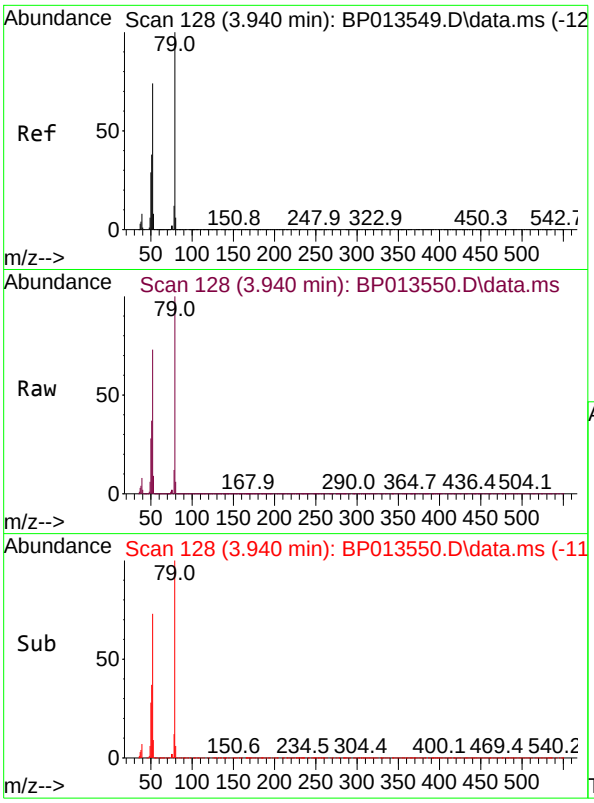


#2
1,4-Dioxane
Concen: 50.420 ng
RT: 3.528 min Scan# 58
Delta R.T. -0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion: 88 Resp: 364378

Ion	Ratio	Lower	Upper
88	100		
58	77.2	63.6	95.4
43	29.0	24.2	36.2



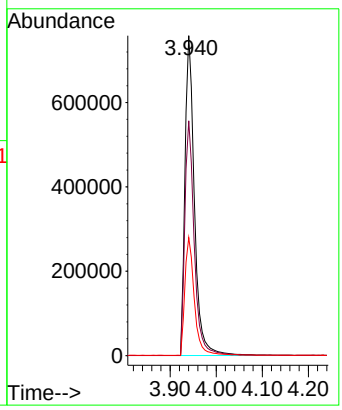


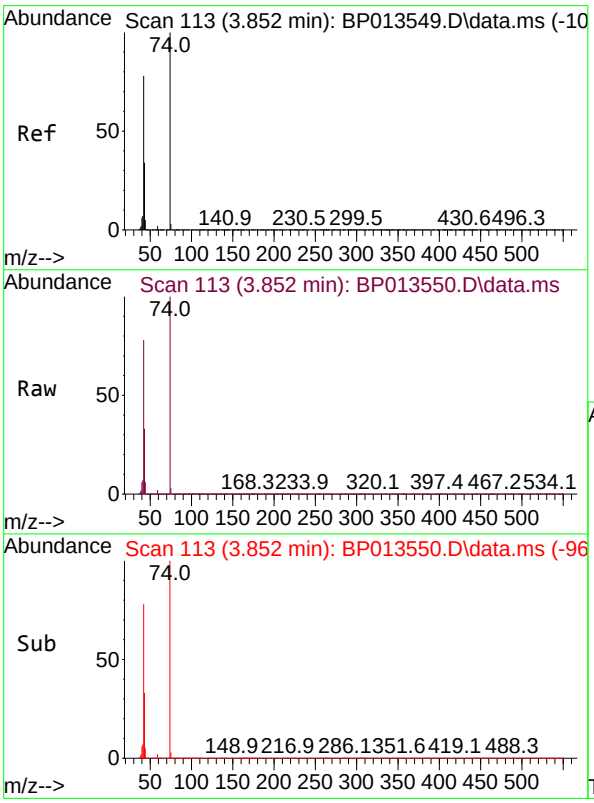
#3
Pyridine
Concen: 51.148 ng
RT: 3.940 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 1094029

Ion	Ratio	Lower	Upper
79	100		
52	73.4	59.4	89.2
51	36.9	30.6	45.8

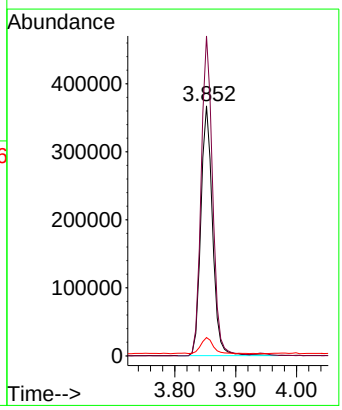


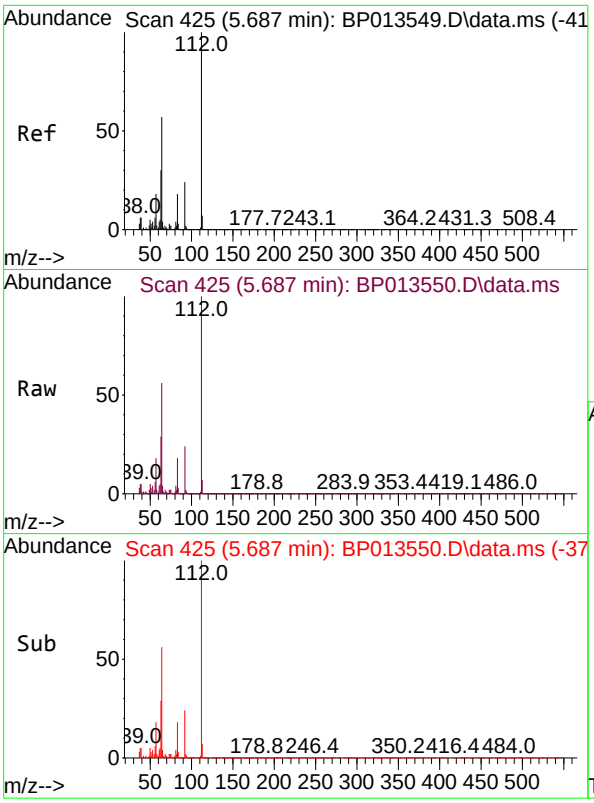


#4
n-Nitrosodimethylamine
Concen: 50.161 ng
RT: 3.852 min Scan# 113
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion: 42 Resp: 486558

Ion	Ratio	Lower	Upper
42	100		
74	128.0	102.3	153.5
44	7.3	6.2	9.2



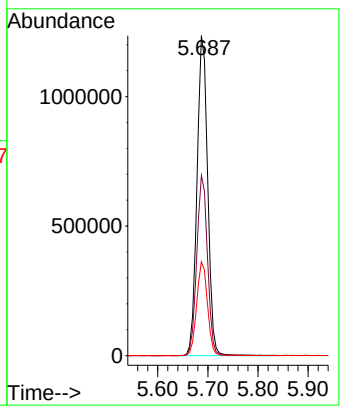


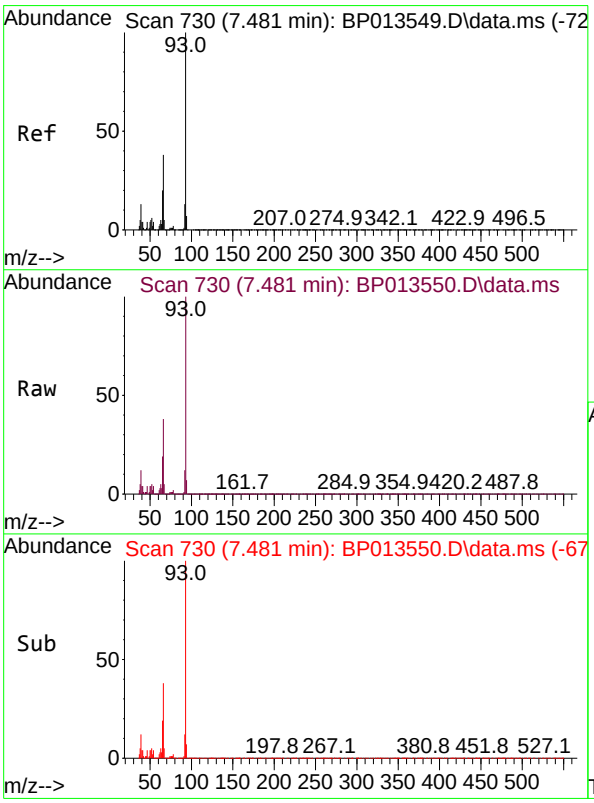
#5
2-Fluorophenol
Concen: 101.477 ng
RT: 5.687 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1819154

Ion	Ratio	Lower	Upper
112	100		
64	56.3	45.4	68.0
63	29.3	24.1	36.1

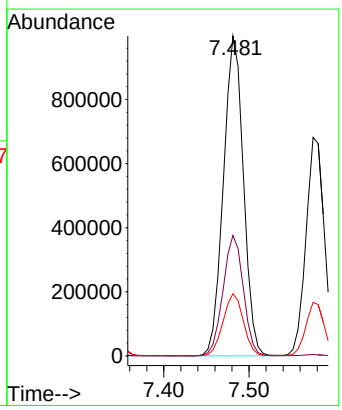


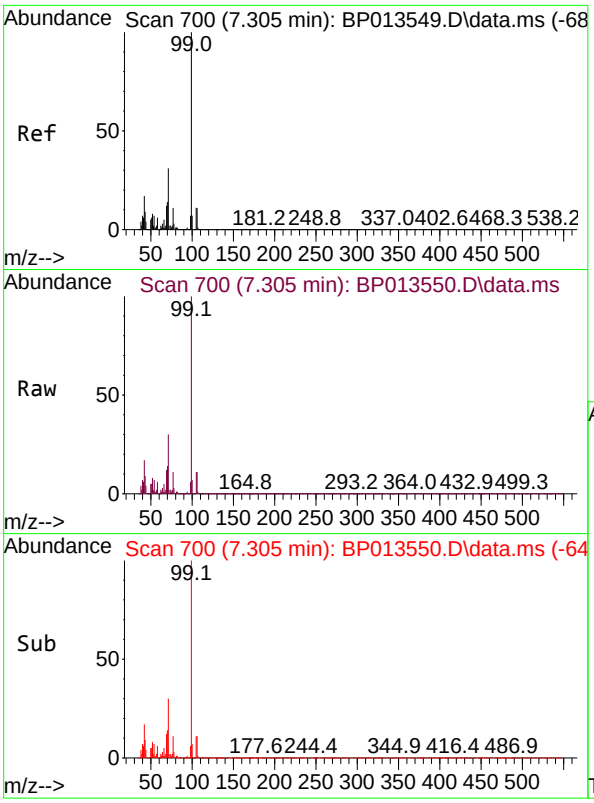


#6
Aniline
Concen: 50.239 ng
RT: 7.481 min Scan# 730
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion: 93 Resp: 1628298

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.3	45.5
65	19.4	15.9	23.9



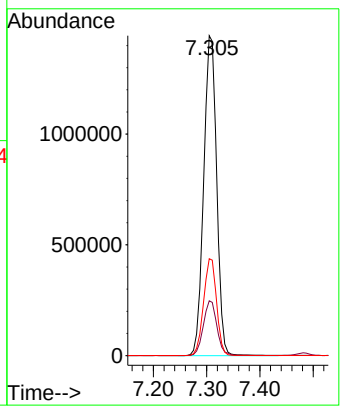


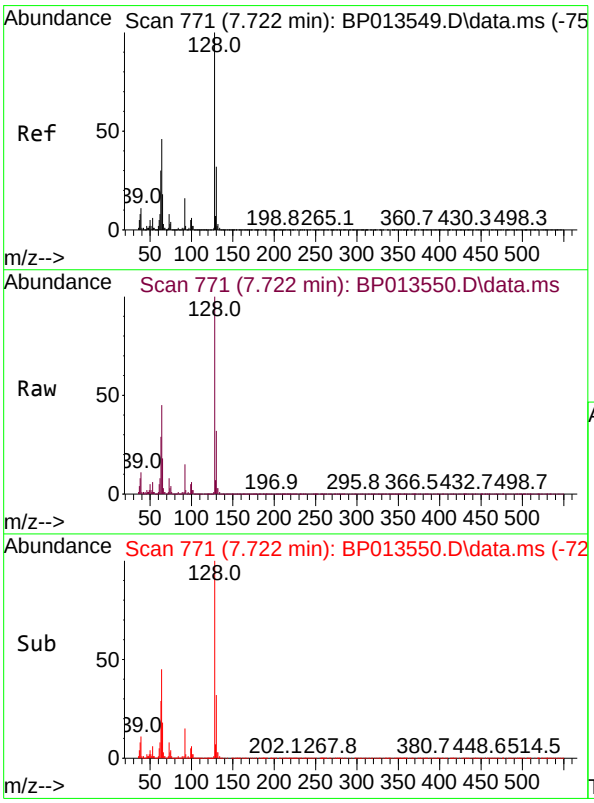
#7
Phenol-d6
Concen: 101.221 ng
RT: 7.305 min Scan# 70
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2442157

Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.0	21.0
71	30.3	24.7	37.1

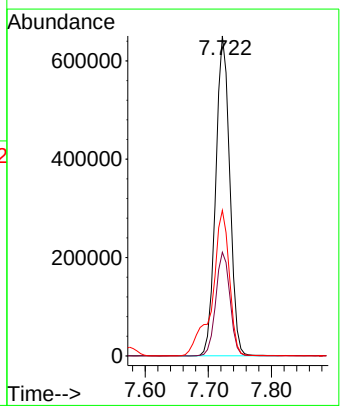


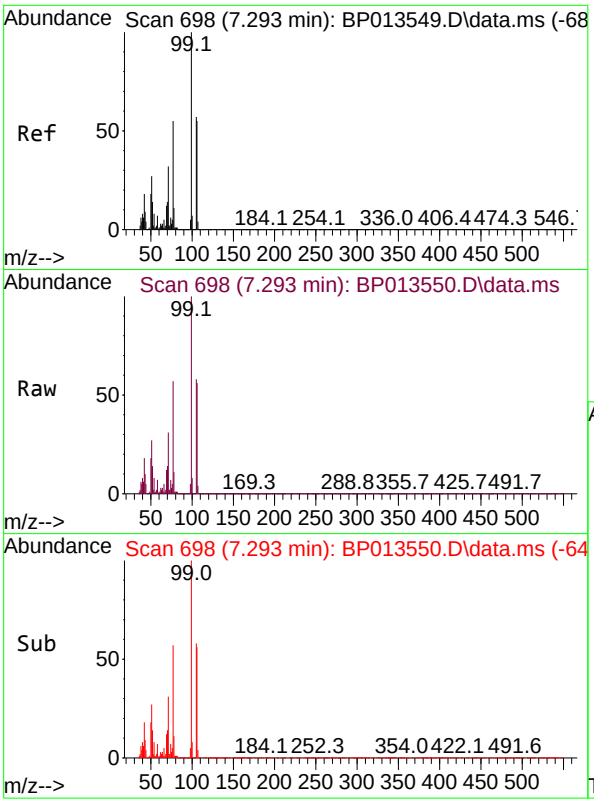


#8
2-Chlorophenol
Concen: 50.908 ng
RT: 7.722 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:128 Resp: 1007028

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.4	52.4
64	45.5	26.2	66.2



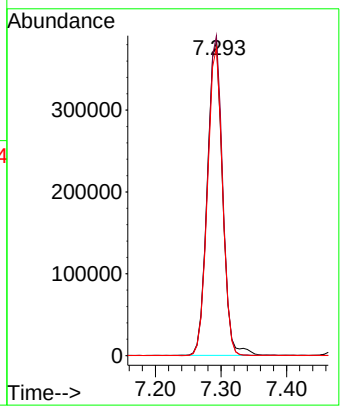


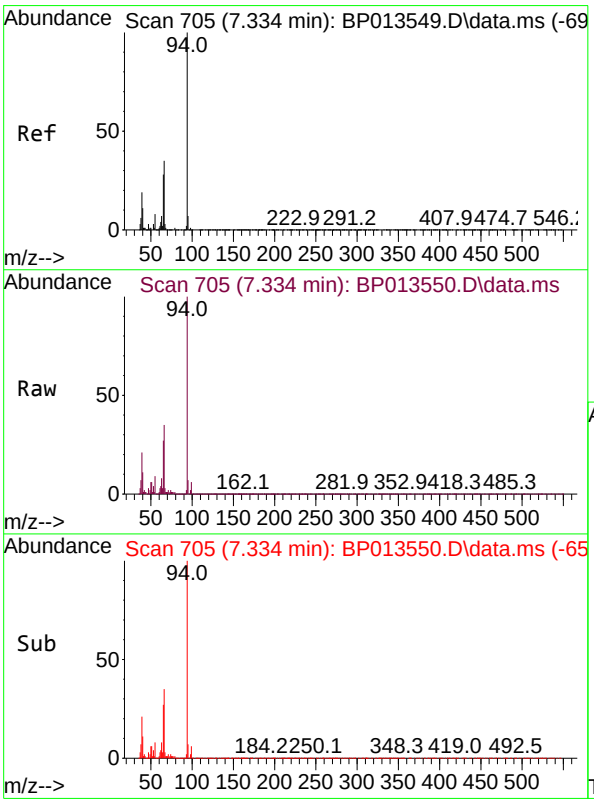
#9
Benzaldehyde
Concen: 47.529 ng
RT: 7.293 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 621585

Ion	Ratio	Lower	Upper
77	100		
105	101.9	82.6	122.6
106	98.1	78.9	118.9

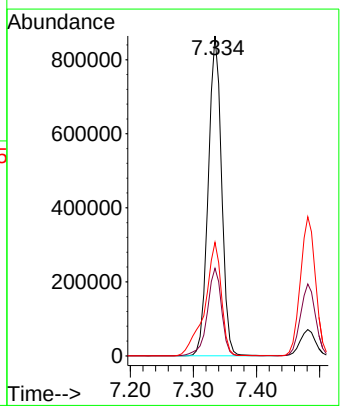


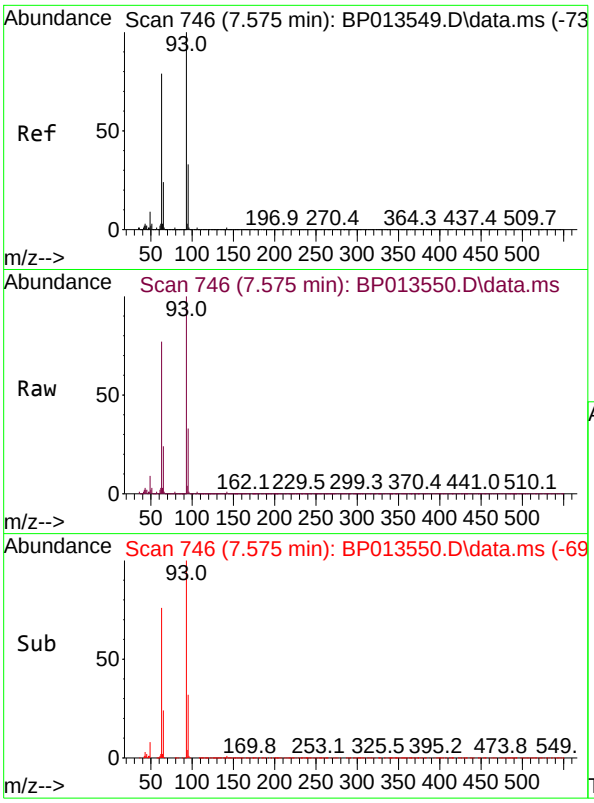


#10
Phenol
Concen: 50.682 ng
RT: 7.334 min Scan# 705
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion: 94 Resp: 1266910

Ion	Ratio	Lower	Upper
94	100		
65	27.4	7.8	47.8
66	35.5	15.5	55.5



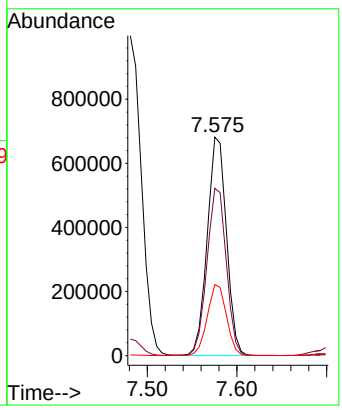


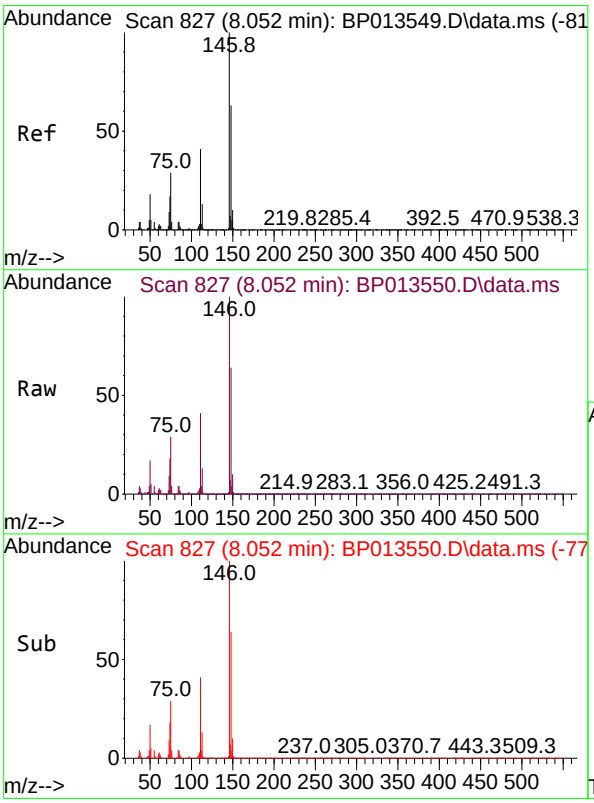
#11
bis(2-Chloroethyl)ether
Concen: 49.860 ng
RT: 7.575 min Scan# 74
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 1019121

Ion	Ratio	Lower	Upper
93	100		
63	76.6	58.7	98.7
95	32.5	12.8	52.8

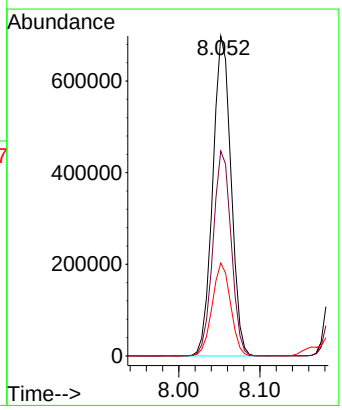


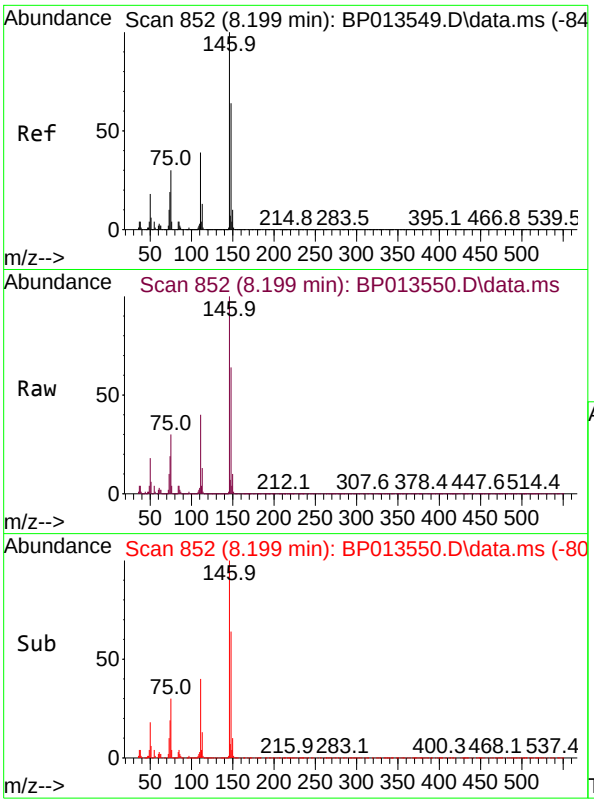


#12
1,3-Dichlorobenzene
Concen: 49.797 ng
RT: 8.052 min Scan# 827
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:146 Resp: 1089359

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.7	76.1
75	29.0	23.4	35.2



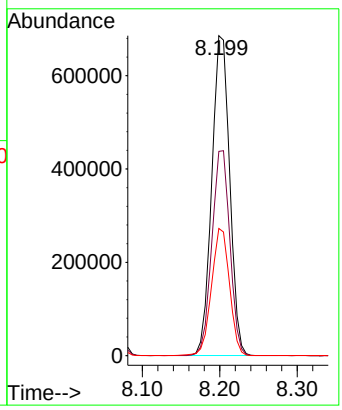


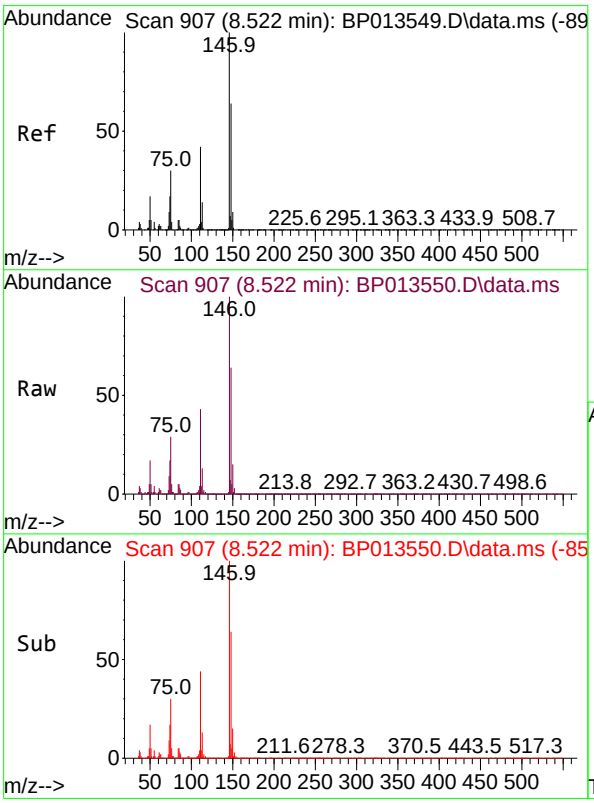
#13
1,4-Dichlorobenzene
Concen: 49.640 ng
RT: 8.199 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 1101087

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.0
111	39.7	31.4	47.2

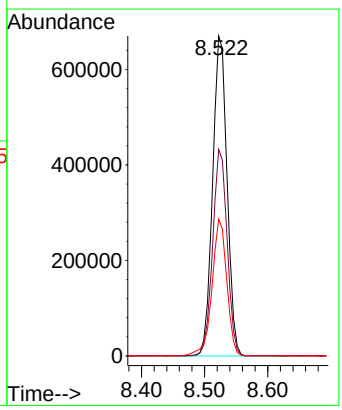


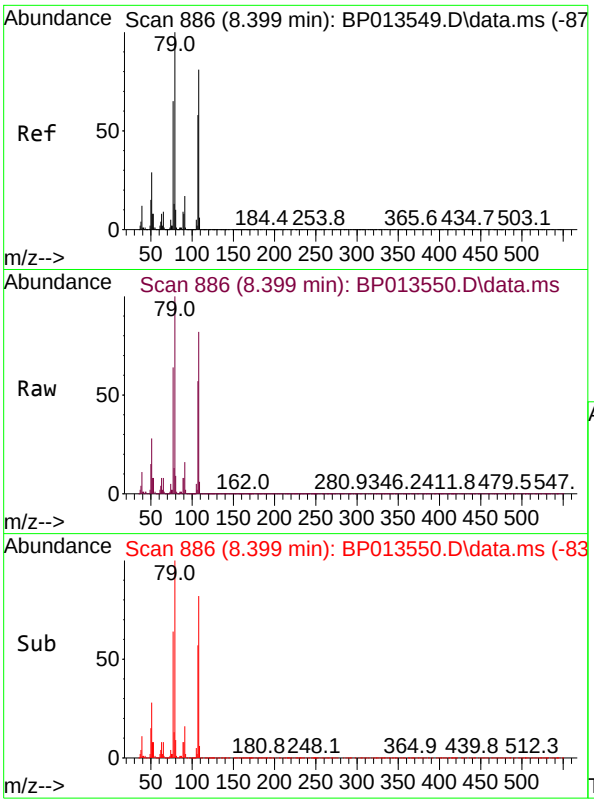


#14
1,2-Dichlorobenzene
Concen: 49.538 ng
RT: 8.522 min Scan# 907
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:146 Resp: 1063978

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.8	76.2
111	42.8	33.4	50.2



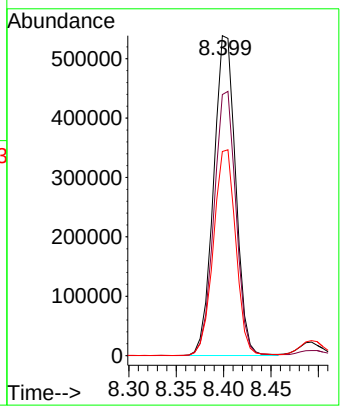


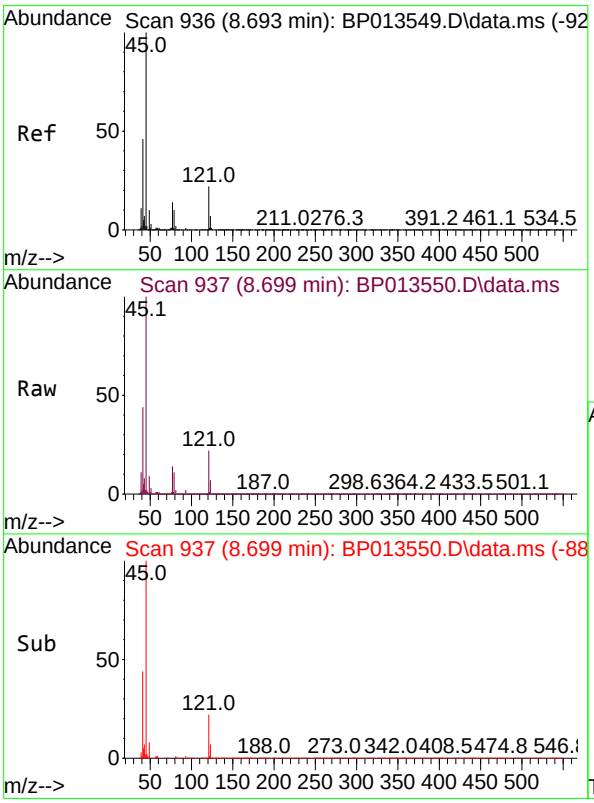
#15
Benzyl Alcohol
Concen: 50.627 ng
RT: 8.399 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 872703

Ion	Ratio	Lower	Upper
79	100		
108	81.6	65.2	97.8
77	63.8	52.3	78.5

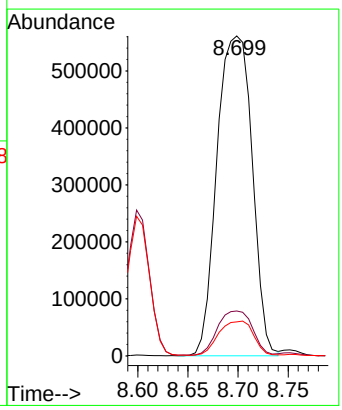


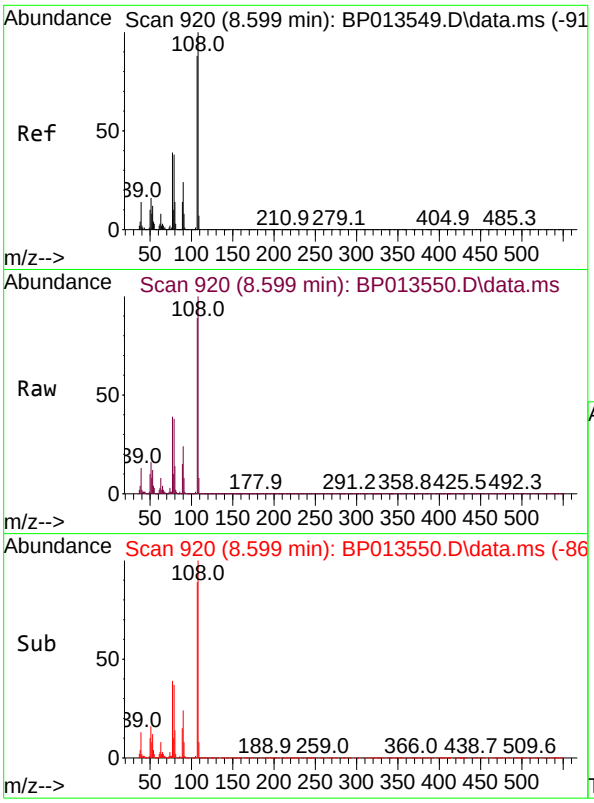


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.920 ng
RT: 8.699 min Scan# 937
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion: 45 Resp: 1370980

Ion	Ratio	Lower	Upper
45	100		
77	14.0	0.0	34.2
79	10.6	0.0	30.4



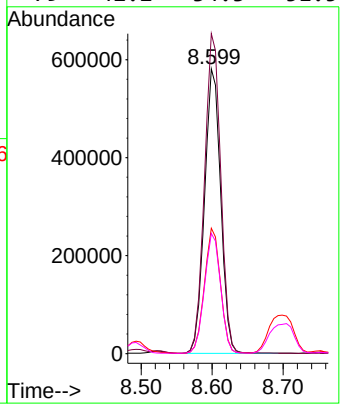


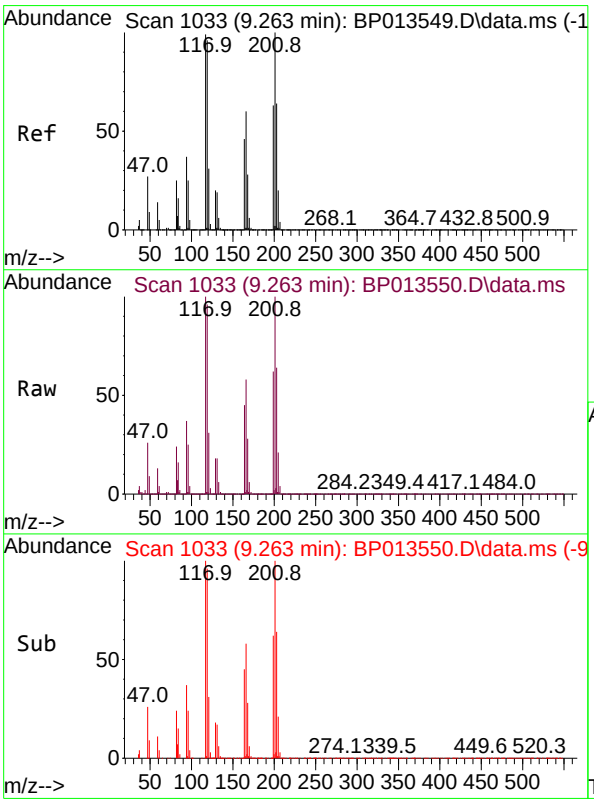
#17
2-Methylphenol
Concen: 50.487 ng
RT: 8.599 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 916548

Ion	Ratio	Lower	Upper
107	100		
108	112.4	90.5	135.7
77	44.0	35.4	53.2
79	42.2	34.3	51.5

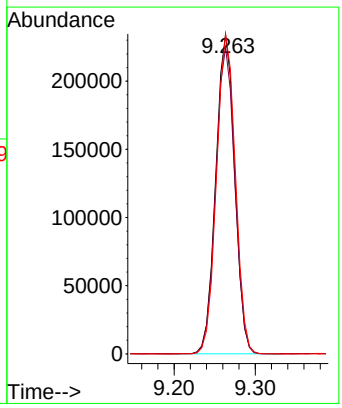


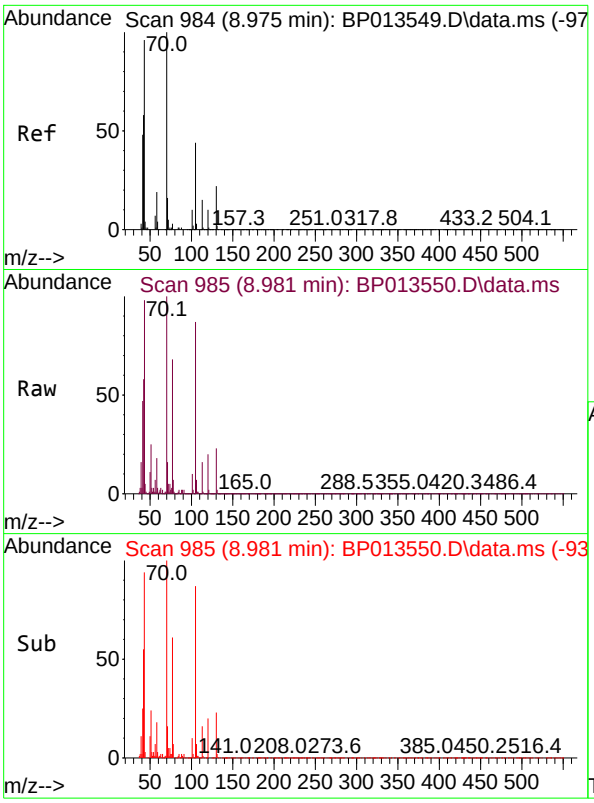


#18
Hexachloroethane
Concen: 51.263 ng
RT: 9.263 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:117 Resp: 380071

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.0	115.6
201	100.2	80.6	120.8



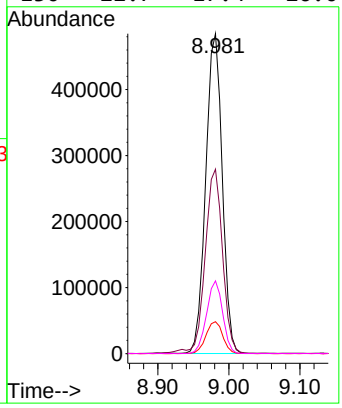


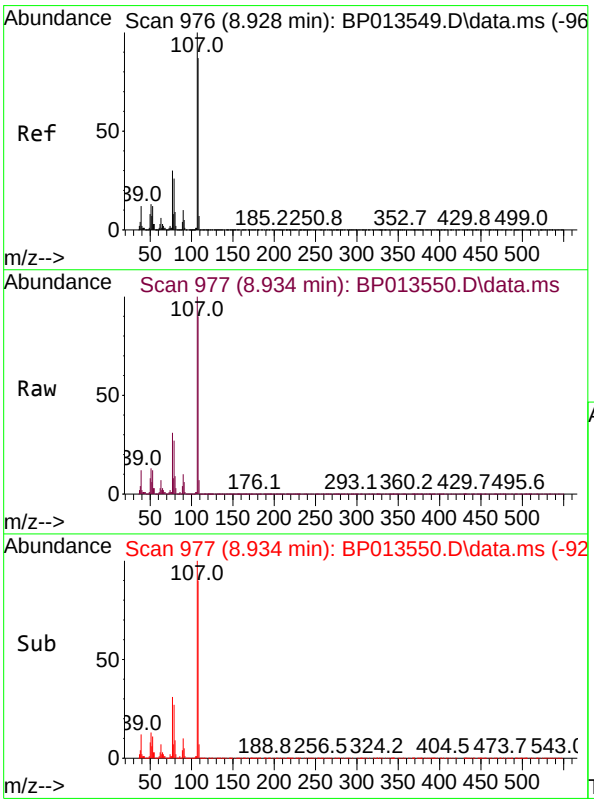
#19
n-Nitroso-di-n-propylamine
Concen: 50.258 ng
RT: 8.981 min Scan# 98
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 781018

Ion	Ratio	Lower	Upper
70	100		
42	57.6	47.2	70.8
101	10.0	8.0	12.0
130	22.7	17.4	26.0

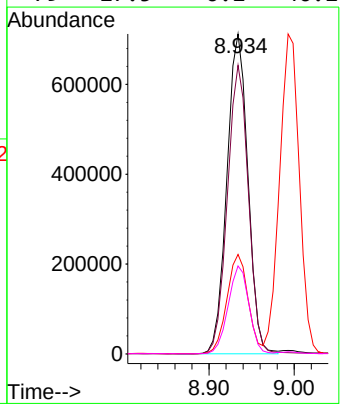


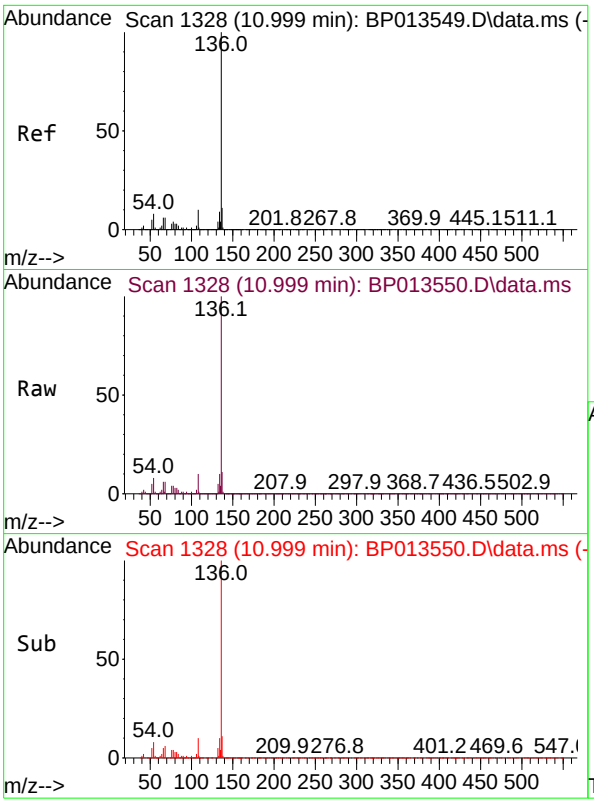


#20
3+4-Methylphenols
Concen: 51.000 ng
RT: 8.934 min Scan# 977
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:107 Resp: 1218652

Ion	Ratio	Lower	Upper
107	100		
108	90.2	67.5	107.5
77	31.1	10.5	50.5
79	27.5	6.2	46.2



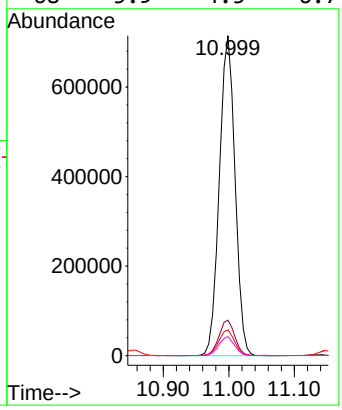


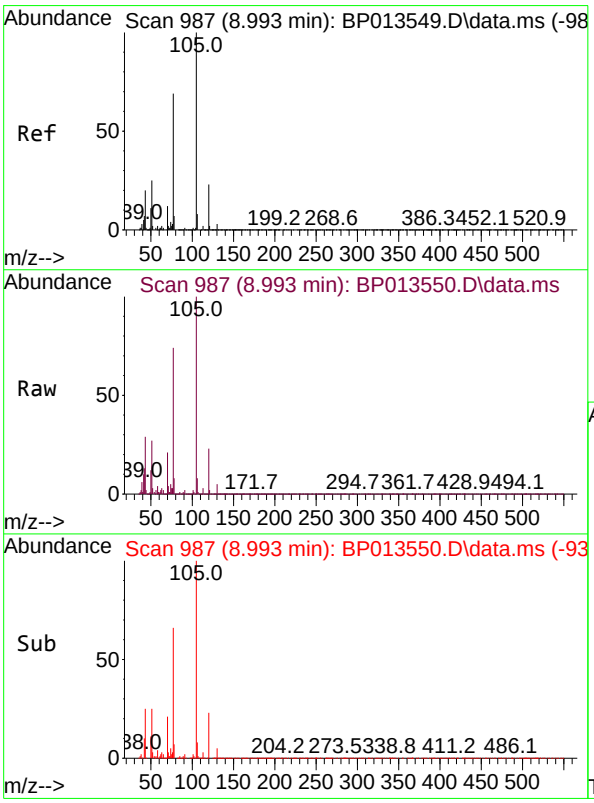
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1192343

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.0	6.6	9.8
68	5.9	4.5	6.7

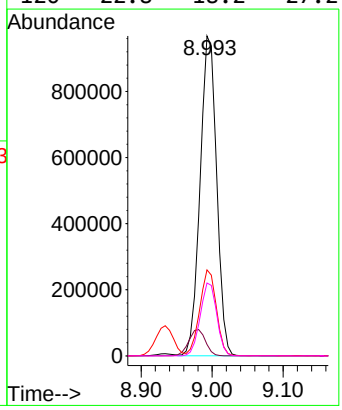


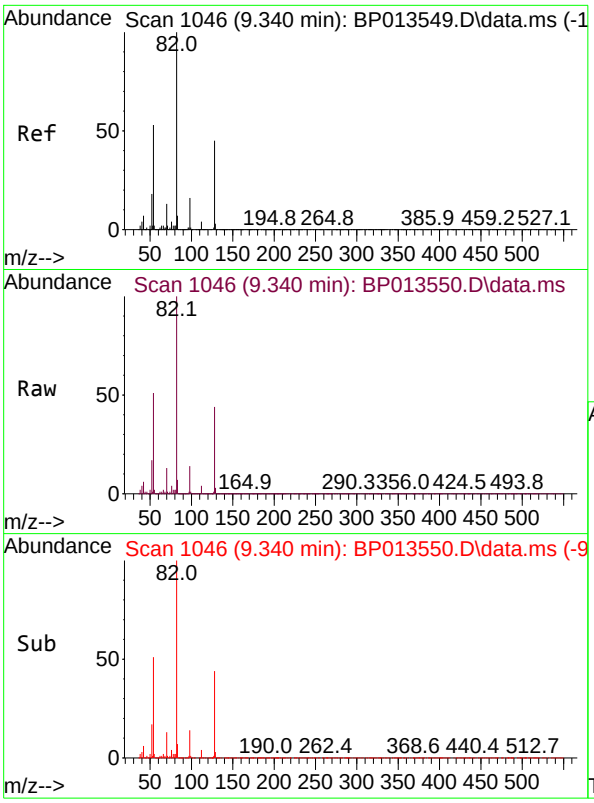


#22
Acetophenone
Concen: 51.051 ng
RT: 8.993 min Scan# 987
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:105 Resp: 1561560

Ion	Ratio	Lower	Upper
105	100		
71	3.6	1.8	2.8#
51	26.9	21.1	31.7
120	22.8	18.2	27.2



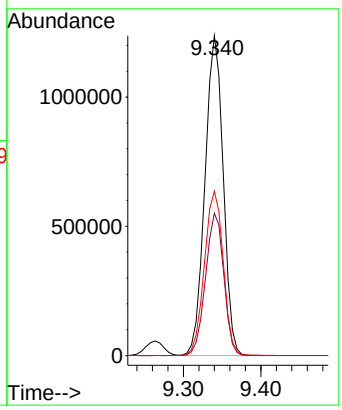


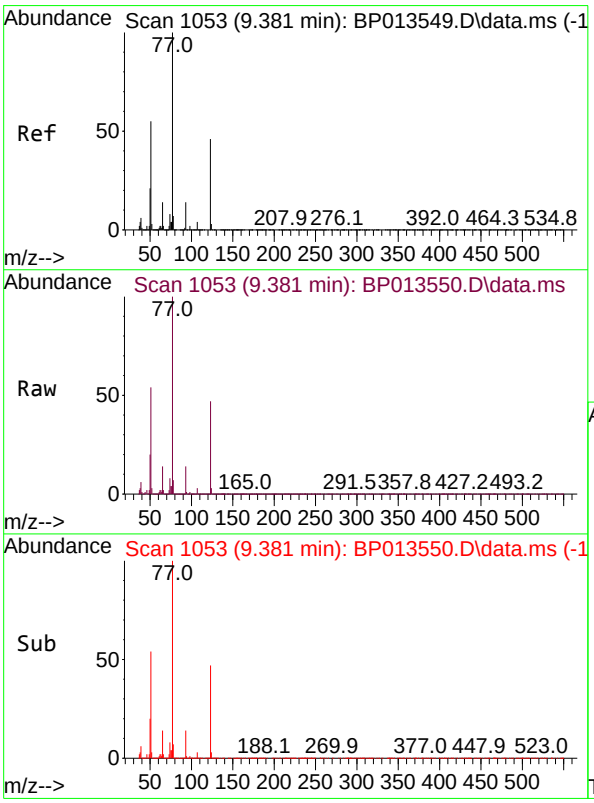
#23
Nitrobenzene-d5
Concen: 112.198 ng
RT: 9.340 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2026427

Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.8	53.6
54	51.4	42.6	64.0

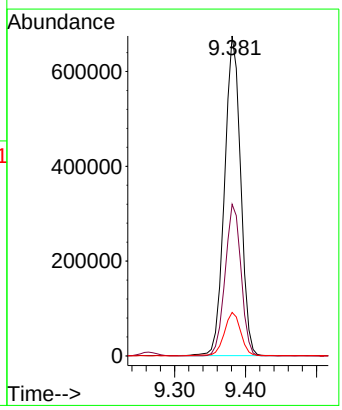


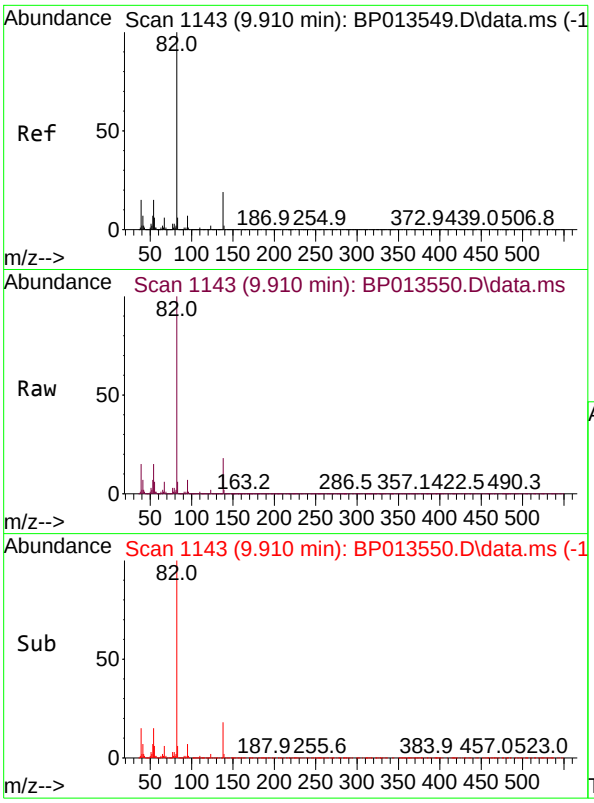


#24
Nitrobenzene
Concen: 54.702 ng
RT: 9.381 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion: 77 Resp: 1062295

Ion	Ratio	Lower	Upper
77	100		
123	47.4	37.2	55.8
65	13.6	11.1	16.7



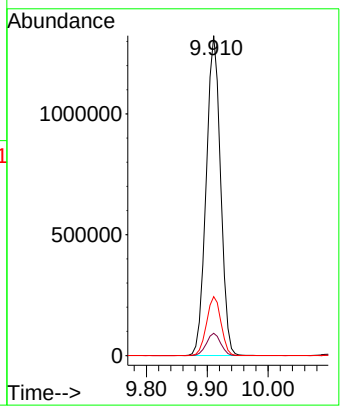


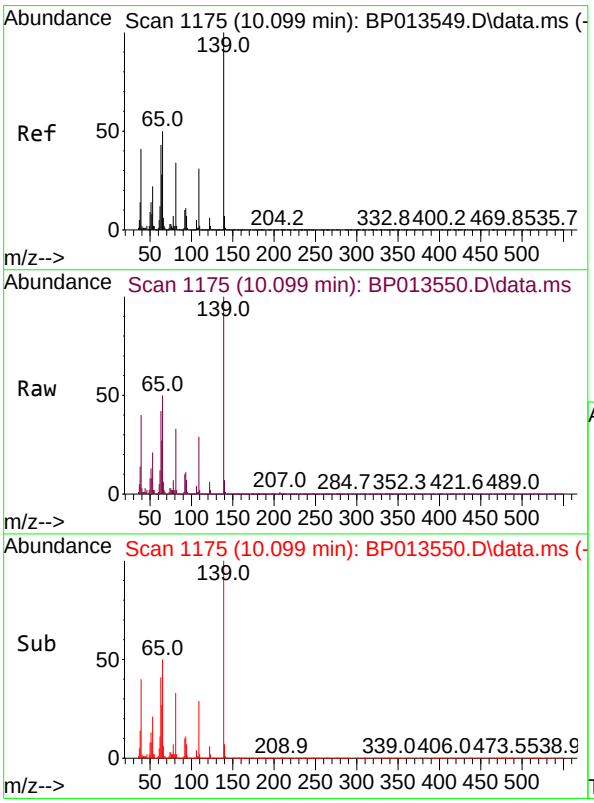
#25
Isophorone
Concen: 50.520 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2164290

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.8
138	18.4	15.1	22.7

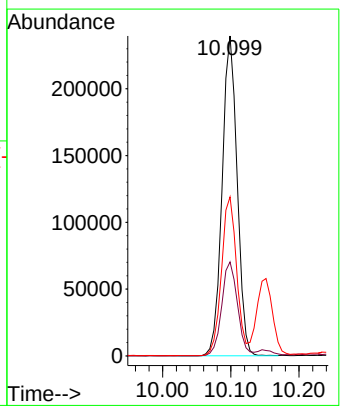


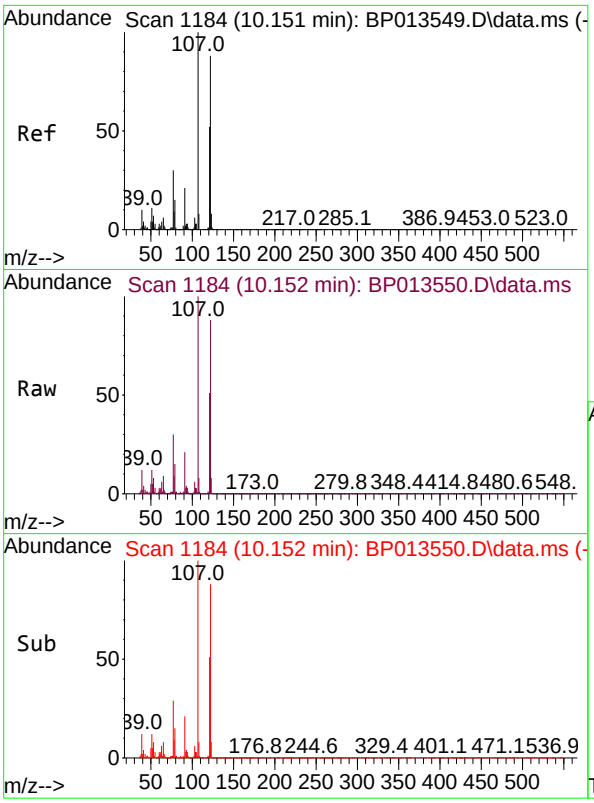


#26
2-Nitrophenol
Concen: 60.228 ng
RT: 10.099 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:139 Resp: 364704

Ion	Ratio	Lower	Upper
139	100		
109	29.4	25.1	37.7
65	49.7	40.1	60.1



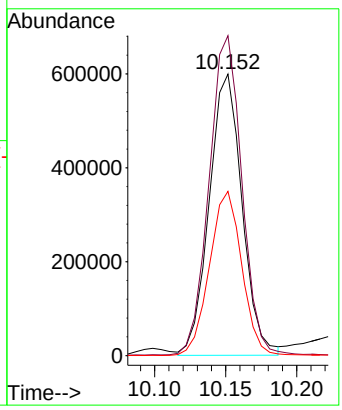


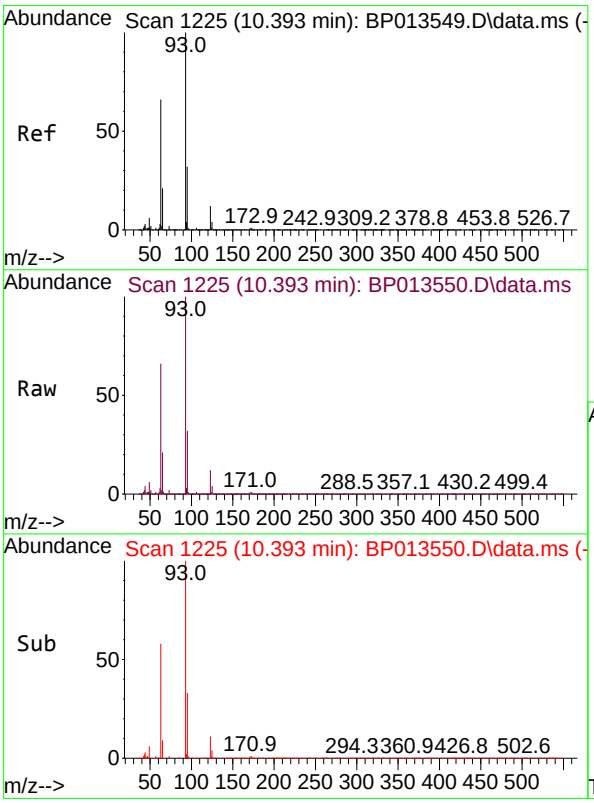
#27
2,4-Dimethylphenol
Concen: 51.062 ng
RT: 10.152 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 964292

Ion	Ratio	Lower	Upper
122	100		
107	113.7	90.7	136.1
121	58.3	47.0	70.4

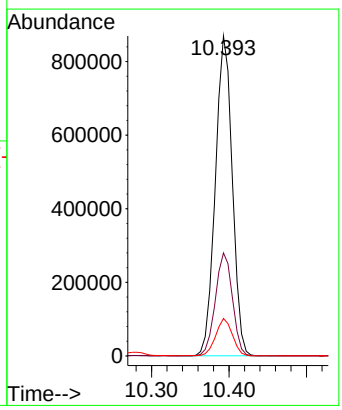


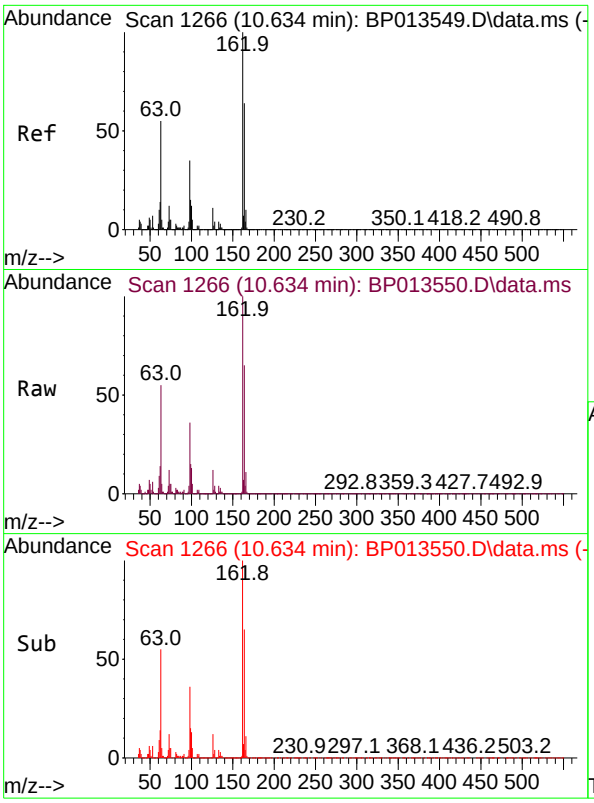


#28
bis(2-Chloroethoxy)methane
Concen: 51.129 ng
RT: 10.393 min Scan# 1225
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion: 93 Resp: 1319988

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.8
123	11.7	9.4	14.0



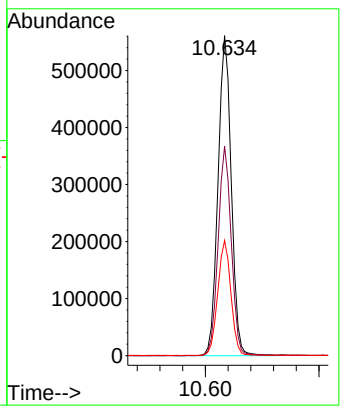


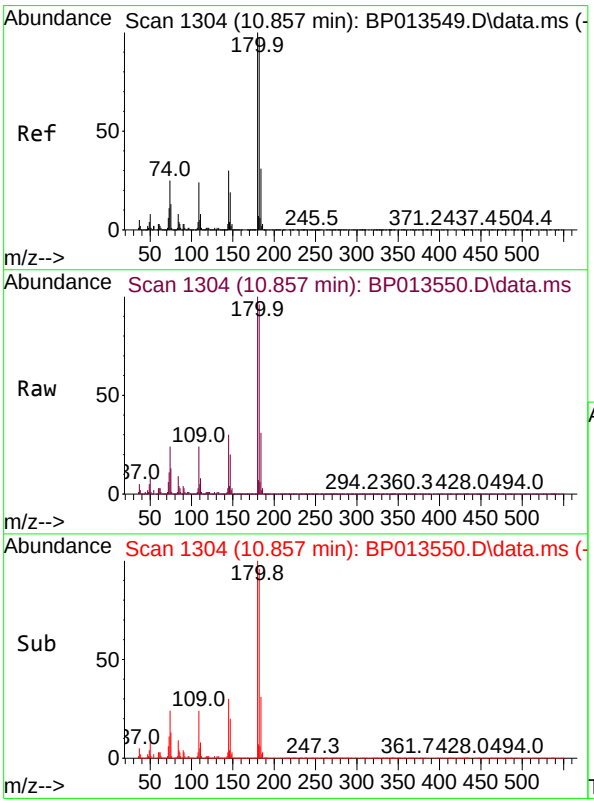
#29
2,4-Dichlorophenol
Concen: 53.168 ng
RT: 10.634 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 904413

Ion	Ratio	Lower	Upper
162	100		
164	65.4	44.3	84.3
98	36.0	15.3	55.3

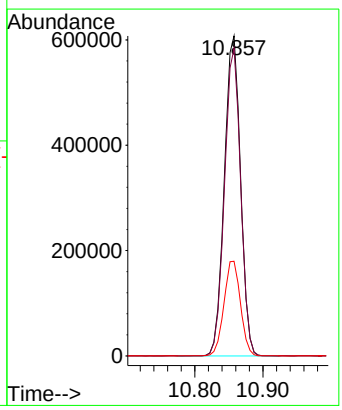


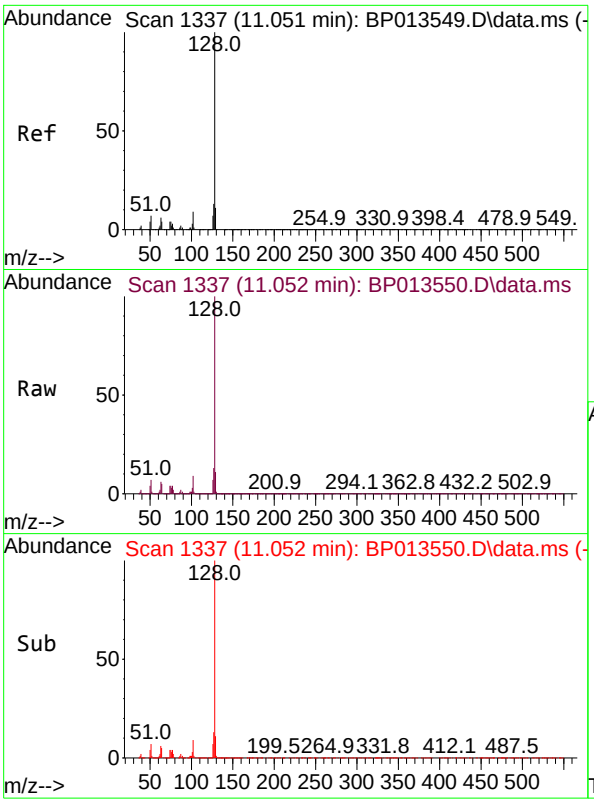


#30
1,2,4-Trichlorobenzene
Concen: 51.405 ng
RT: 10.857 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:180 Resp: 997891

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.9	116.9
145	29.6	24.0	36.0



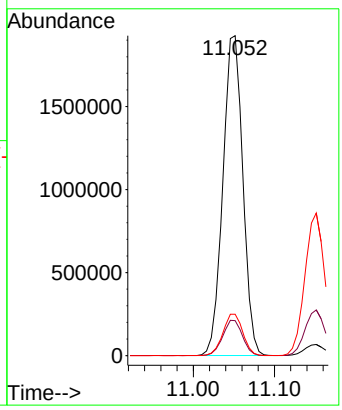


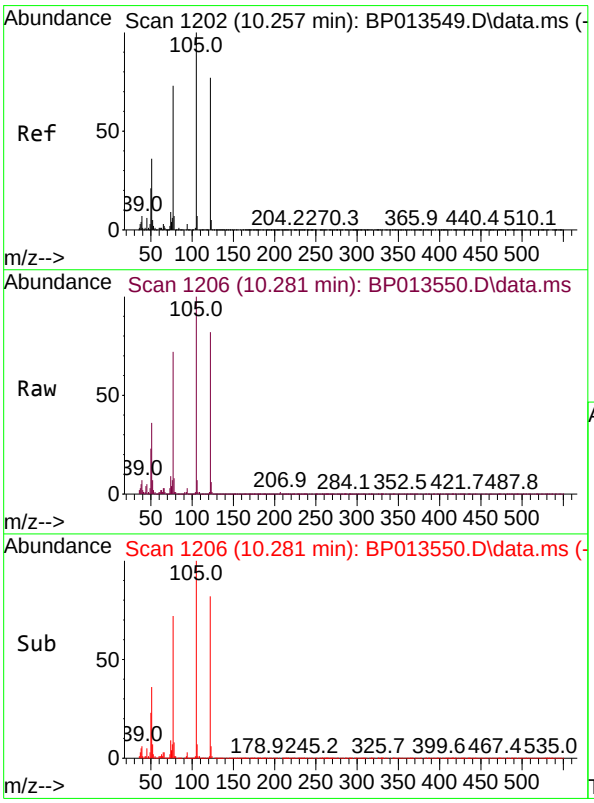
#31
Naphthalene
Concen: 51.295 ng
RT: 11.052 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 3288111

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.5	12.7
127	12.9	10.6	16.0

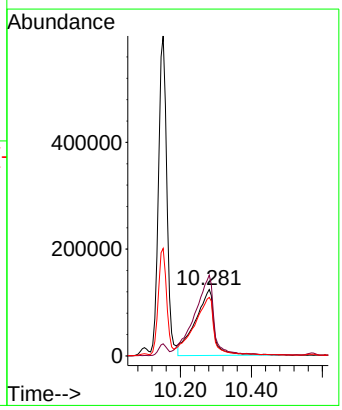


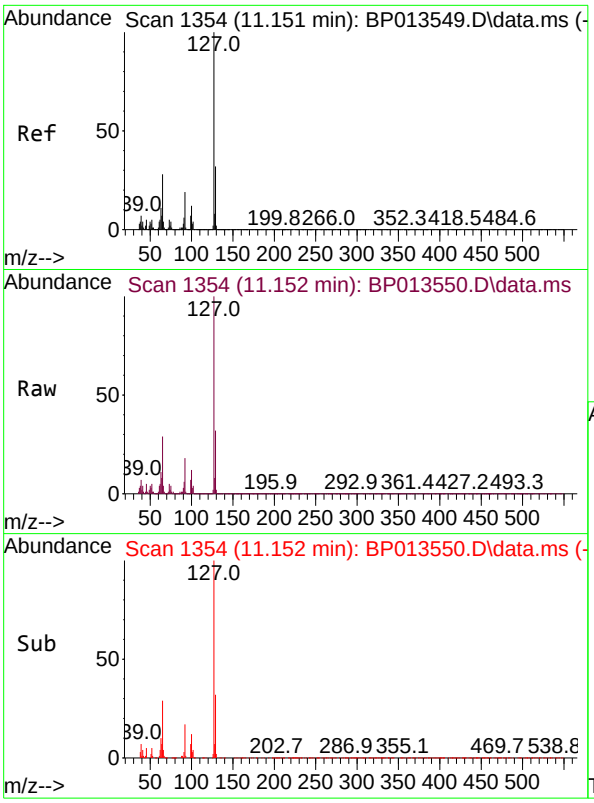


#32
Benzoic acid
Concen: 55.925 ng
RT: 10.281 min Scan# 1206
Delta R.T. 0.024 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:122 Resp: 461601

Ion	Ratio	Lower	Upper
122	100		
105	121.7	100.5	140.5
77	88.2	70.9	110.9



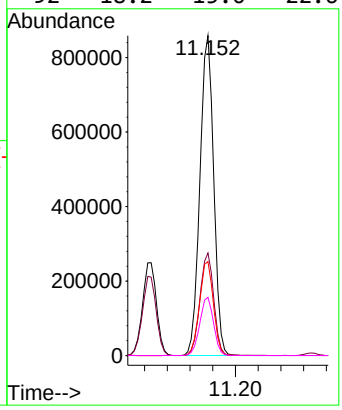


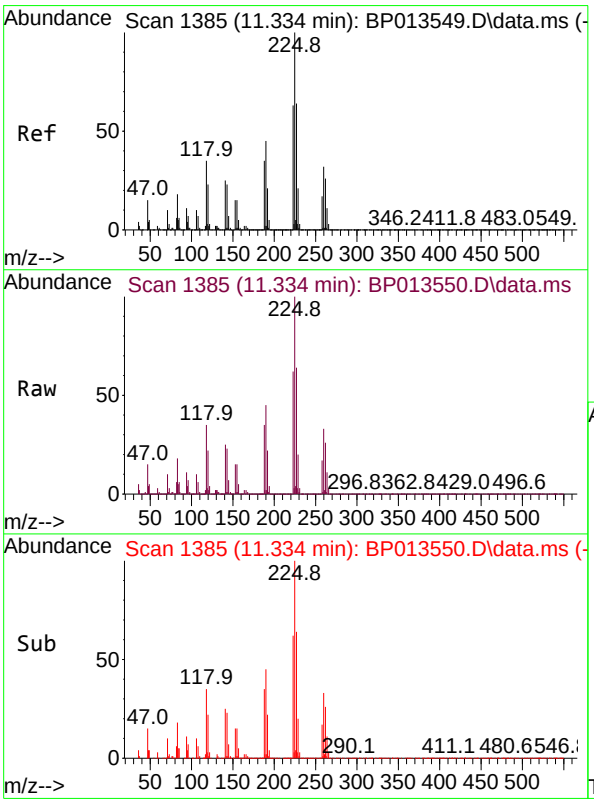
#33
4-Chloroaniline
Concen: 51.084 ng
RT: 11.152 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1448908

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	29.4	22.7	34.1
92	18.2	15.0	22.6

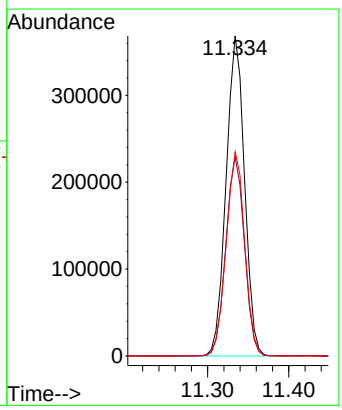


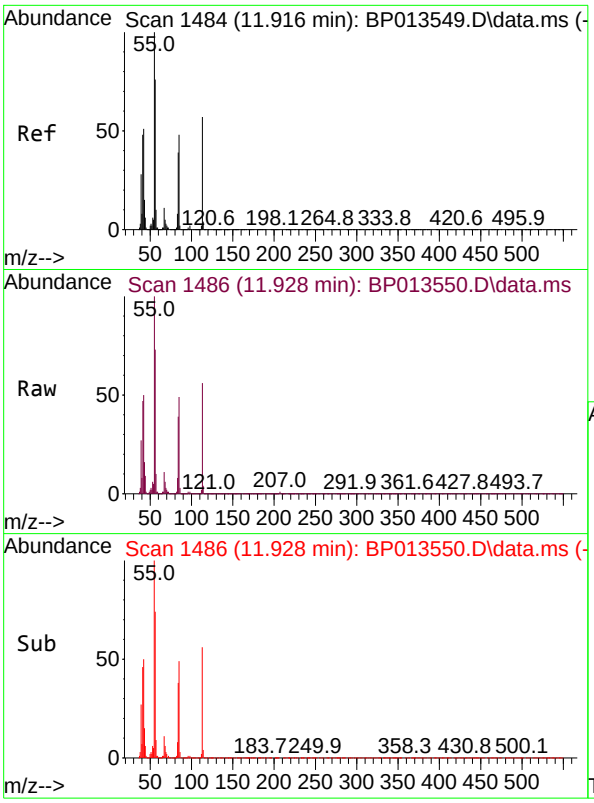


#34
Hexachlorobutadiene
Concen: 51.308 ng
RT: 11.334 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:225 Resp: 579624

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.2	75.2
227	63.8	51.4	77.2



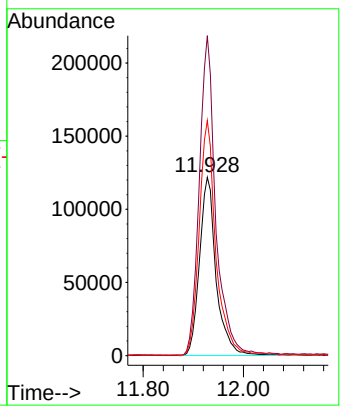


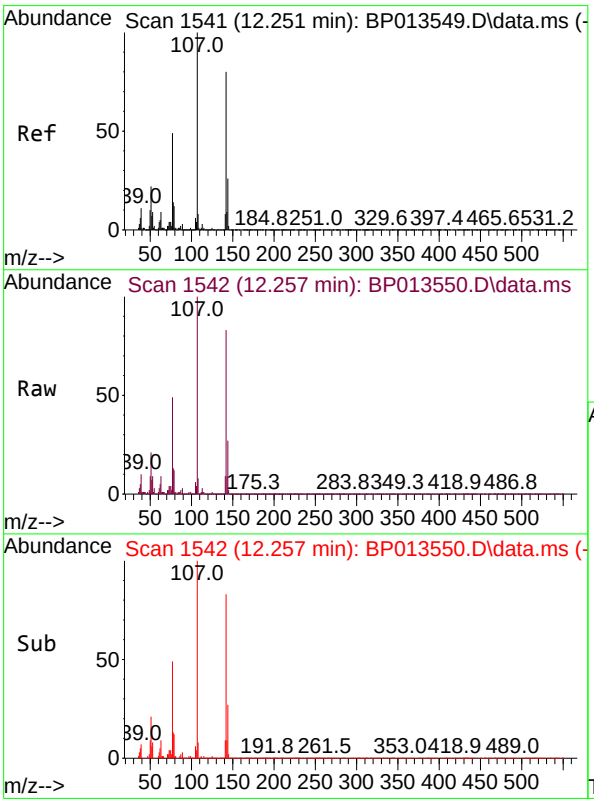
#35
Caprolactam
Concen: 50.992 ng
RT: 11.928 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 280183

Ion	Ratio	Lower	Upper
113	100		
55	179.5	156.5	196.5
56	131.9	113.5	153.5

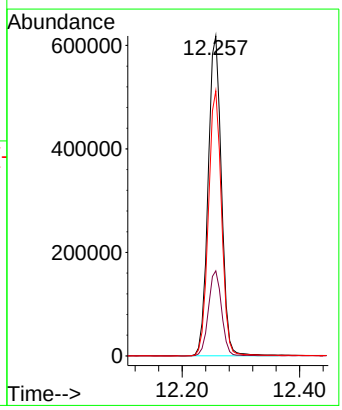


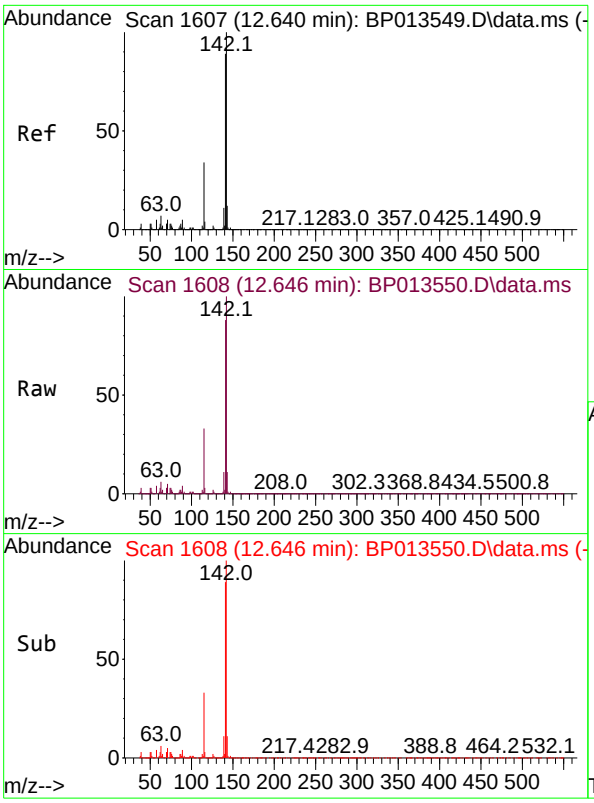


#36
4-Chloro-3-methylphenol
Concen: 52.337 ng
RT: 12.257 min Scan# 1542
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:107 Resp: 969564

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.1	31.7
142	82.8	64.0	96.0



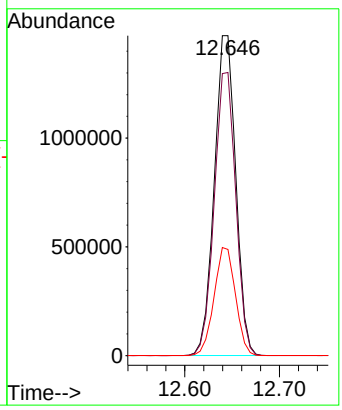


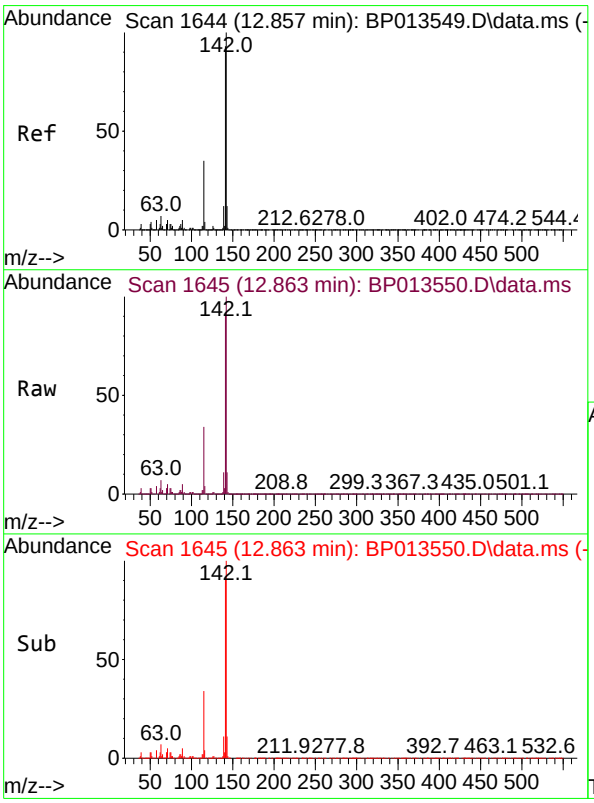
#37
2-Methylnaphthalene
Concen: 50.871 ng
RT: 12.646 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 2317868

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.4	107.2
115	33.2	27.4	41.2

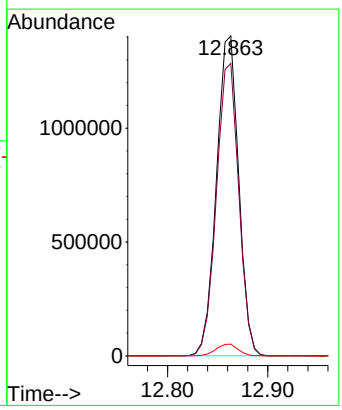


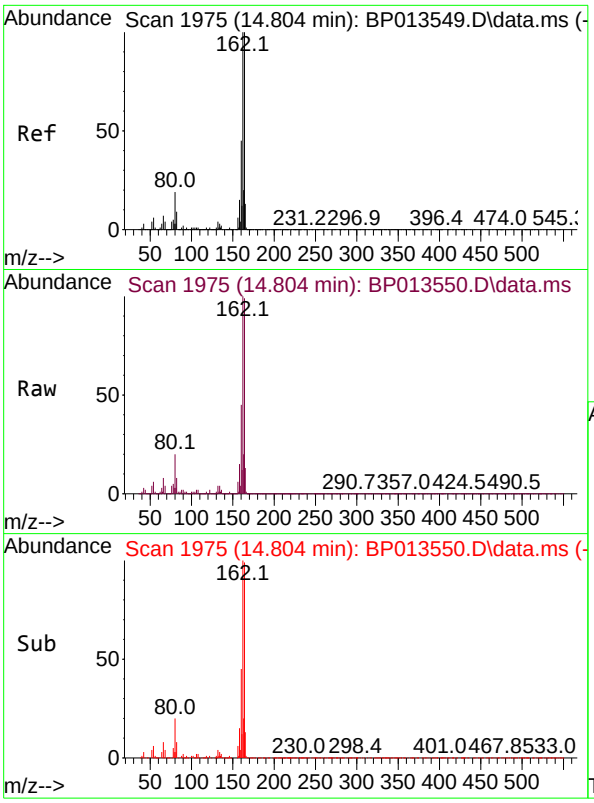


#38
1-Methylnaphthalene
Concen: 50.702 ng
RT: 12.863 min Scan# 1645
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:142 Resp: 2170752

Ion	Ratio	Lower	Upper
142	100		
141	91.4	74.3	111.5
116	3.7	3.0	4.6



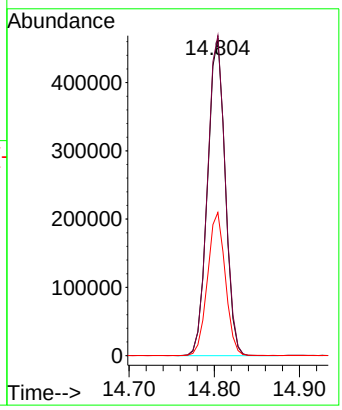


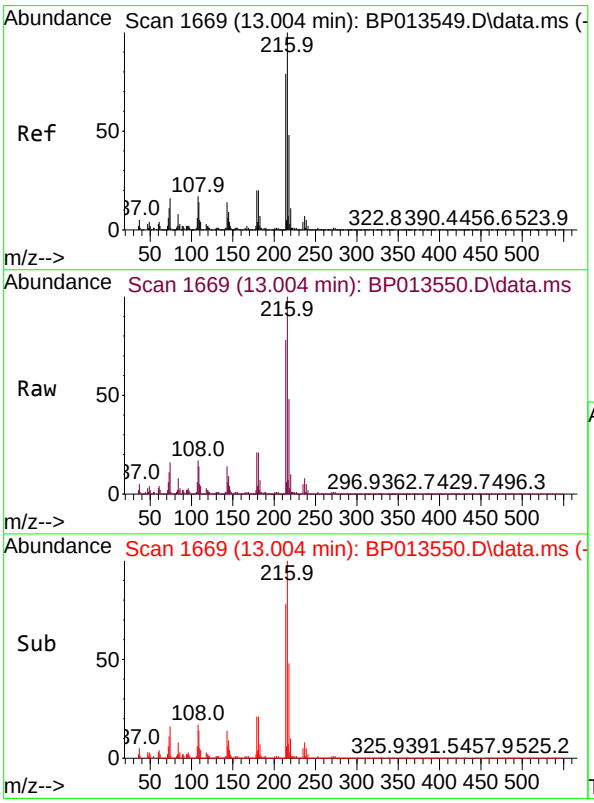
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.804 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 666536

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.1	120.1
160	45.0	35.9	53.9

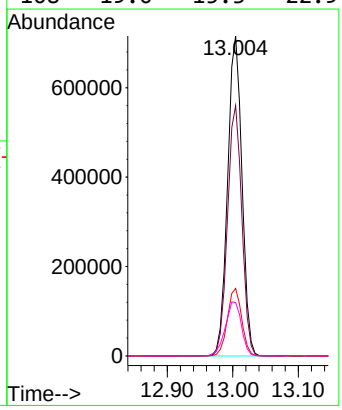


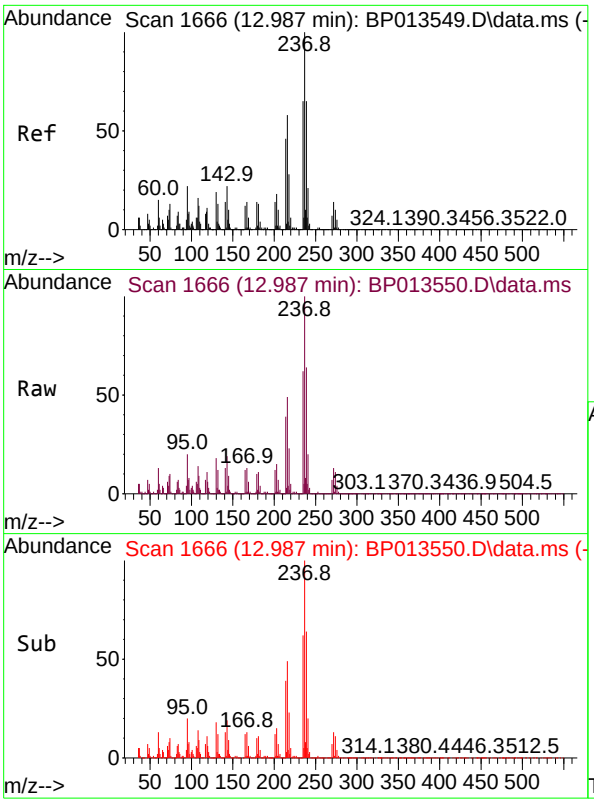


#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.009 ng
RT: 13.004 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:216 Resp: 1087777

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.9	94.3
179	21.0	16.6	24.8
108	19.0	15.3	22.9



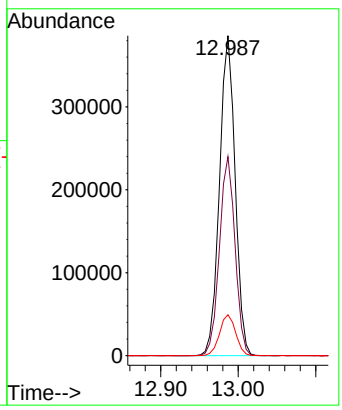


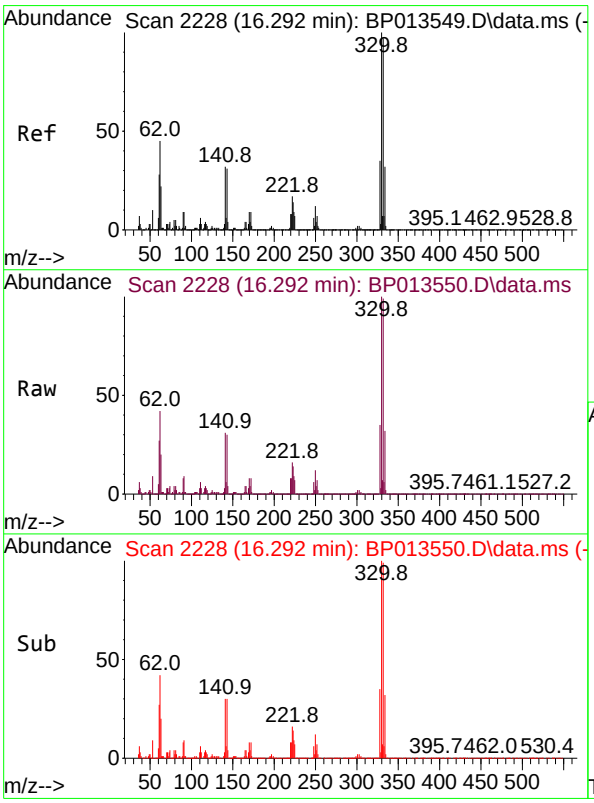
#41
Hexachlorocyclopentadiene
Concen: 56.046 ng
RT: 12.987 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 541403

Ion	Ratio	Lower	Upper
237	100		
235	62.2	44.6	84.6
272	12.8	0.0	33.9

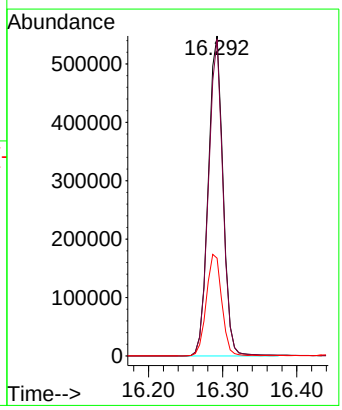


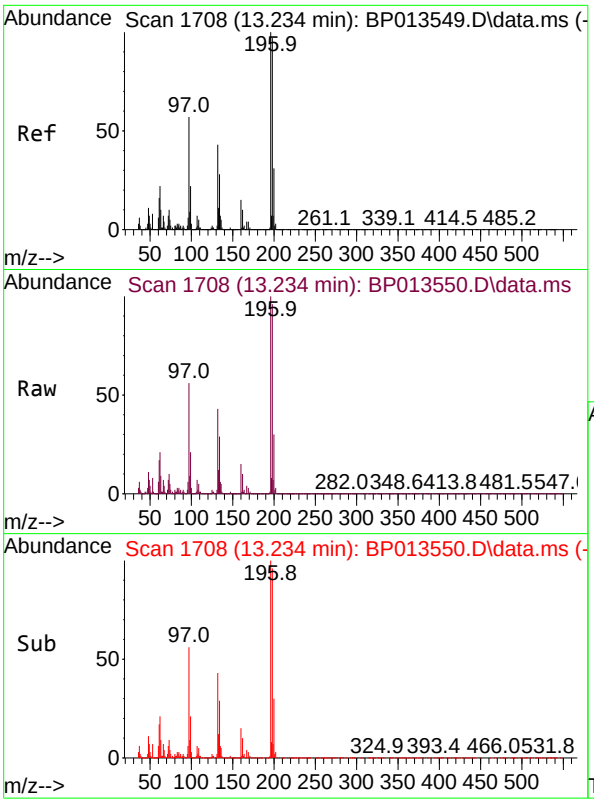


#42
2,4,6-Tribromophenol
Concen: 108.603 ng
RT: 16.292 min Scan# 2228
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:330 Resp: 754706

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.2
141	33.4	27.6	41.4



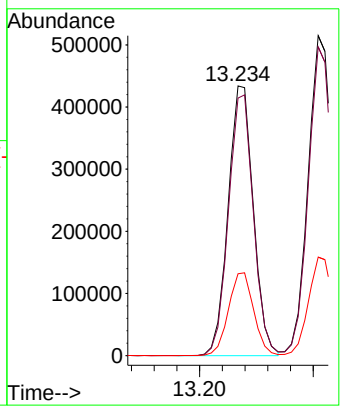


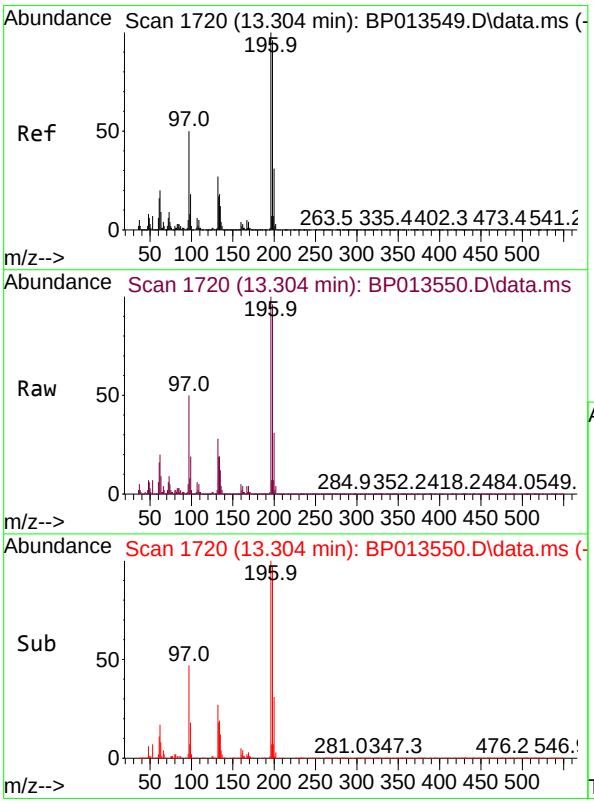
#43
2,4,6-Trichlorophenol
Concen: 55.649 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 668351

Ion	Ratio	Lower	Upper
196	100		
198	95.5	77.3	115.9
200	30.4	24.6	36.8

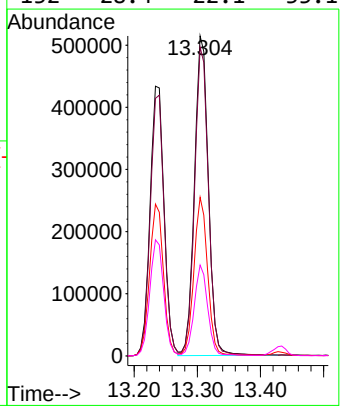


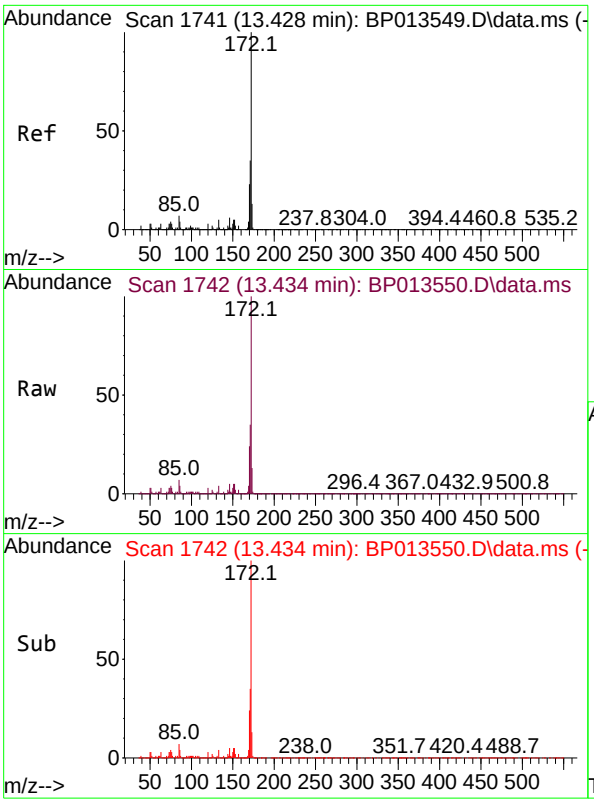


#44
2,4,5-Trichlorophenol
Concen: 55.602 ng
RT: 13.304 min Scan# 1720
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:196 Resp: 789102

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.7	115.1
97	49.5	40.0	60.0
132	28.4	22.1	33.1



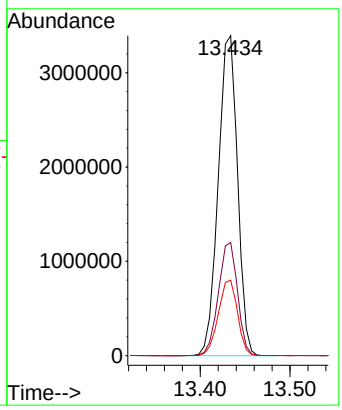


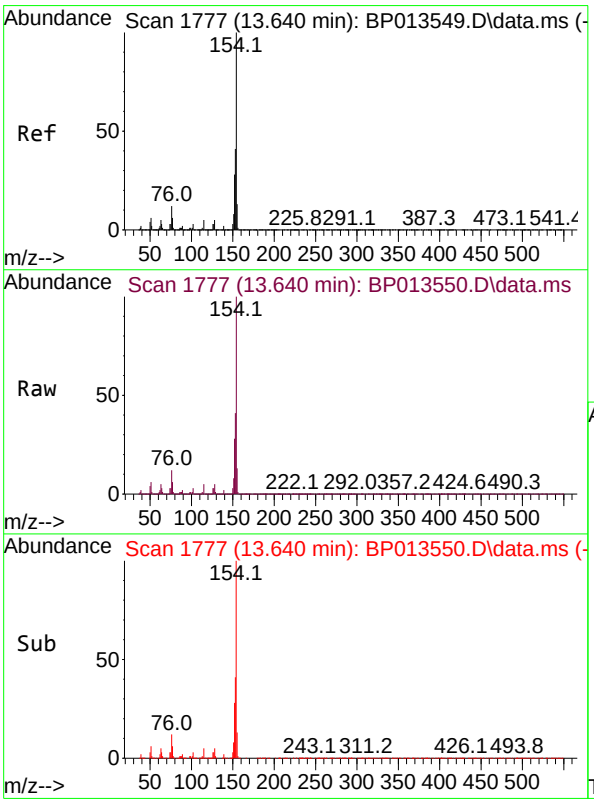
#45
2-Fluorobiphenyl
Concen: 104.601 ng
RT: 13.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 5079236

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.8	41.8
170	23.6	18.6	27.8

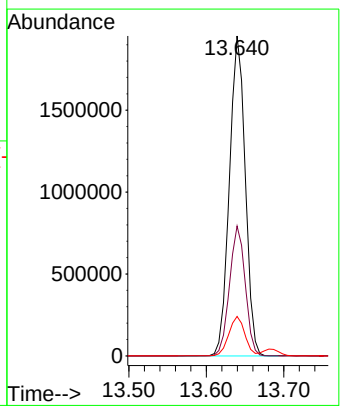


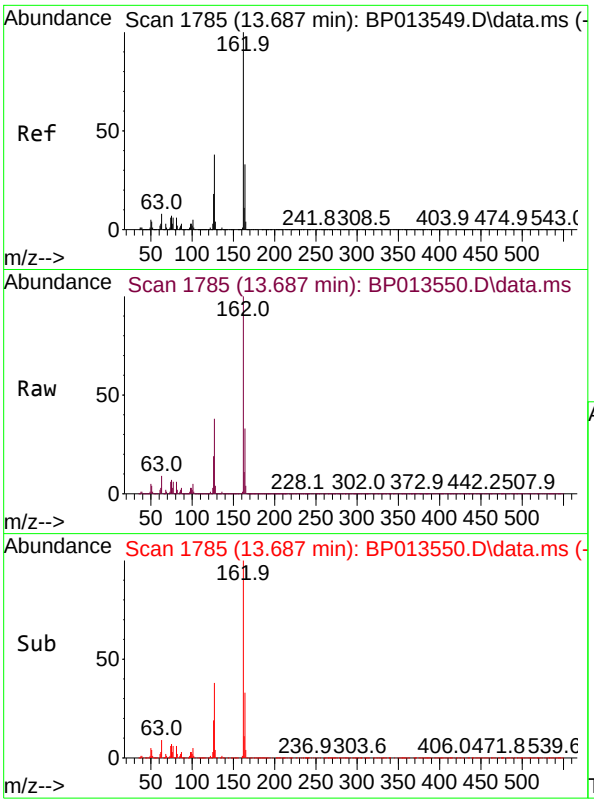


#46
1,1'-Biphenyl
Concen: 52.039 ng
RT: 13.640 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:154 Resp: 2785653

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.5	60.5
76	12.3	0.0	32.1



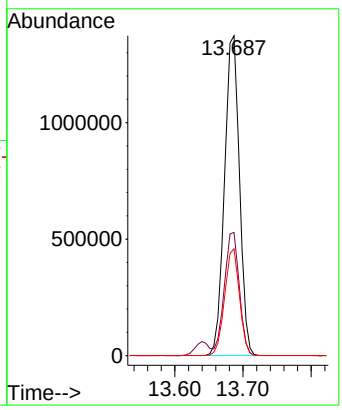


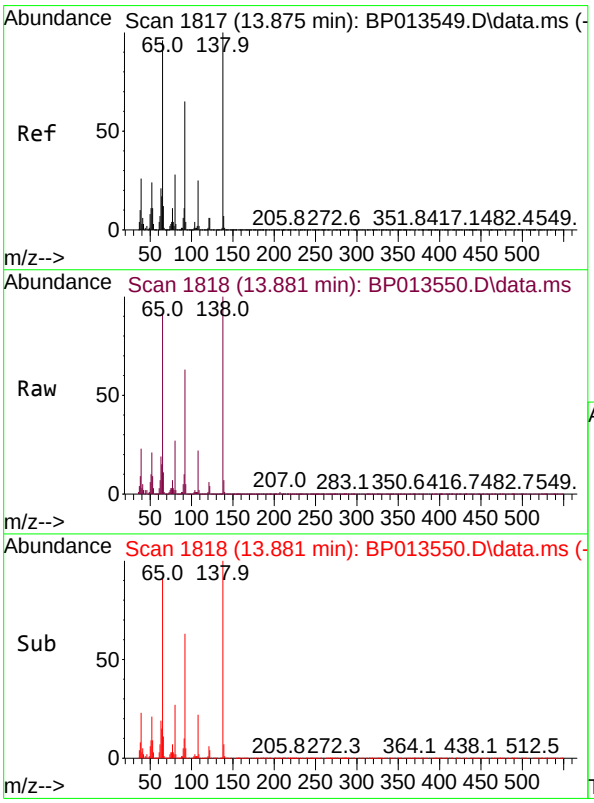
#47
2-Chloronaphthalene
Concen: 51.989 ng
RT: 13.687 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 2084939

Ion	Ratio	Lower	Upper
162	100		
127	38.5	30.8	46.2
164	33.4	26.2	39.2

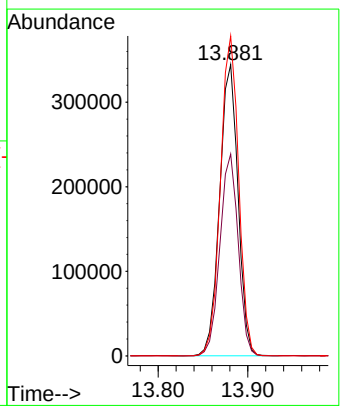


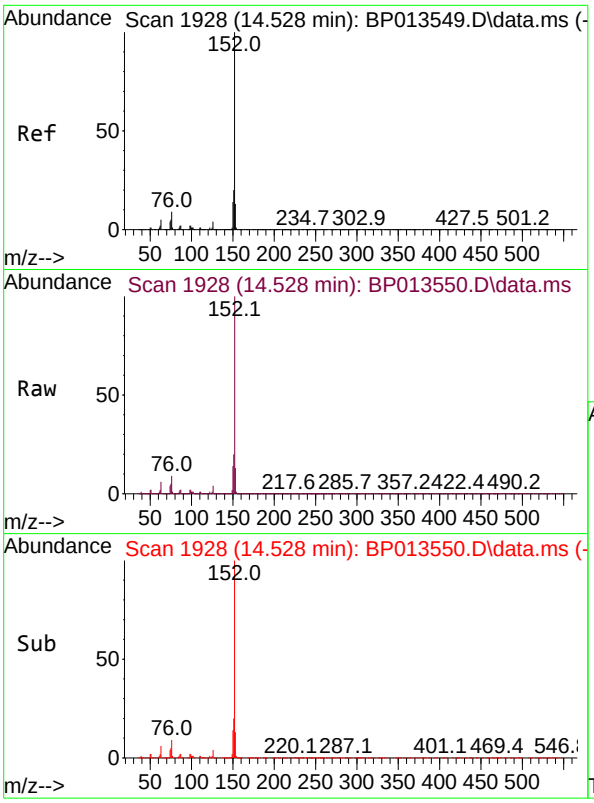


#48
2-Nitroaniline
Concen: 61.312 ng
RT: 13.881 min Scan# 1818
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion: 65 Resp: 491967

Ion	Ratio	Lower	Upper
65	100		
92	69.3	54.1	81.1
138	109.8	83.6	125.4



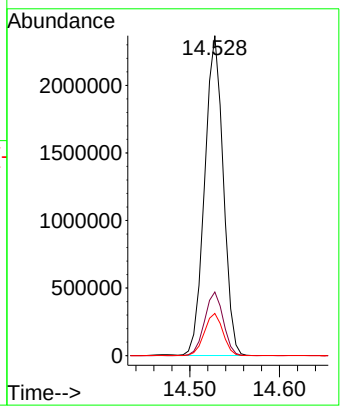


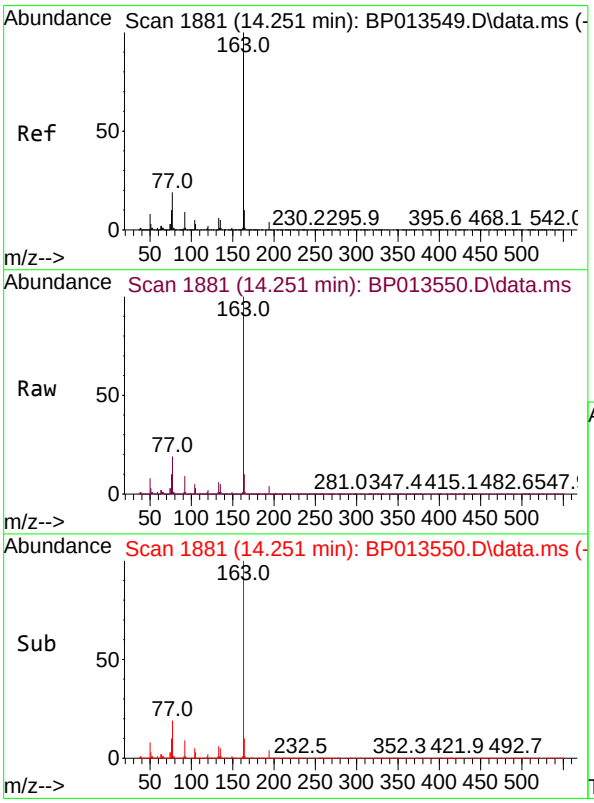
#49
Acenaphthylene
Concen: 51.871 ng
RT: 14.528 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3401907

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.1	24.1
153	13.2	10.1	15.1

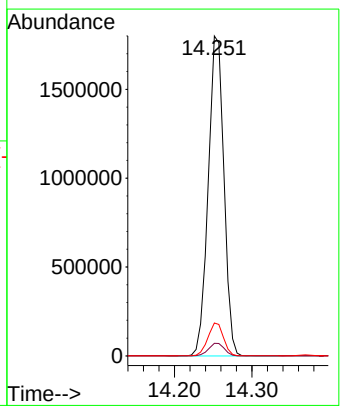


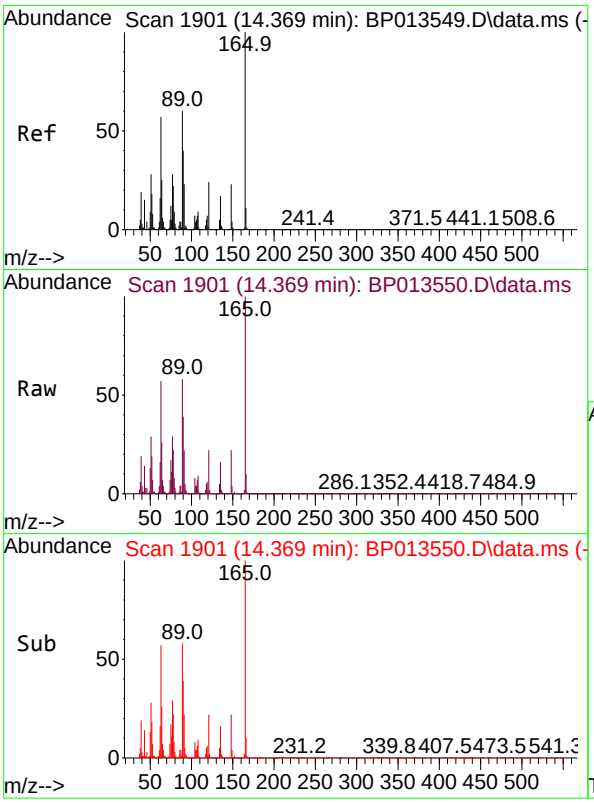


#50
Dimethylphthalate
Concen: 51.043 ng
RT: 14.251 min Scan# 1881
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:163 Resp: 2529035

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.3	8.1	12.1



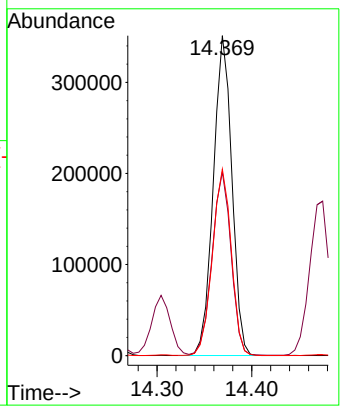


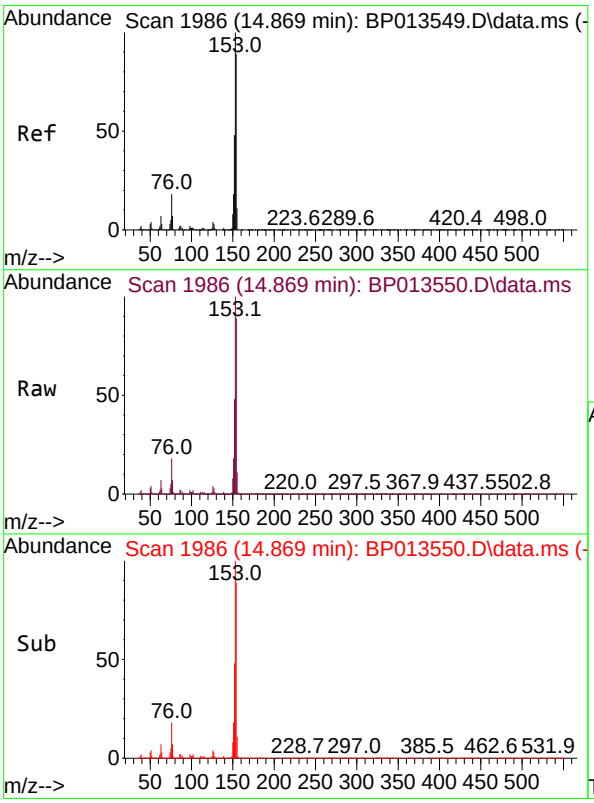
#51
2,6-Dinitrotoluene
Concen: 59.732 ng
RT: 14.369 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 477861

Ion	Ratio	Lower	Upper
165	100		
63	57.4	47.2	70.8
89	58.3	47.8	71.6

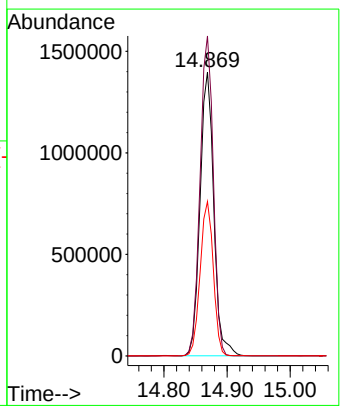


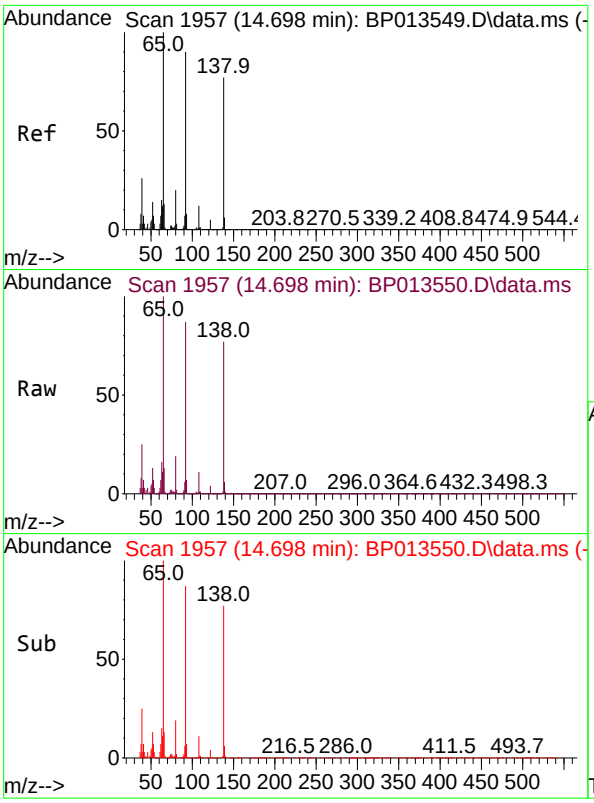


#52
Acenaphthene
Concen: 51.951 ng
RT: 14.869 min Scan# 1986
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:154 Resp: 2104645

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.4	134.0
152	54.4	42.7	64.1



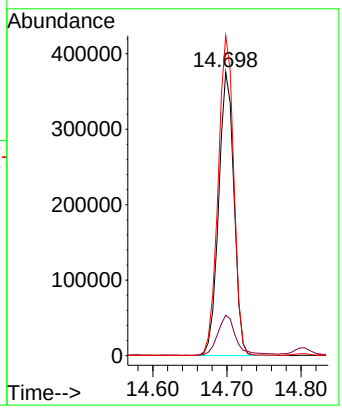


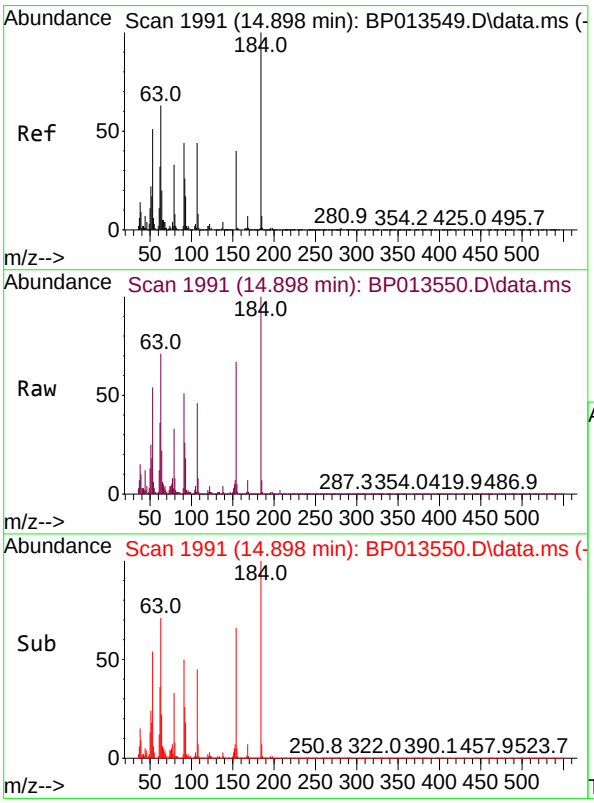
#53
3-Nitroaniline
Concen: 58.593 ng
RT: 14.698 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 537431

Ion	Ratio	Lower	Upper
138	100		
108	14.2	12.8	19.2
92	112.9	93.3	139.9

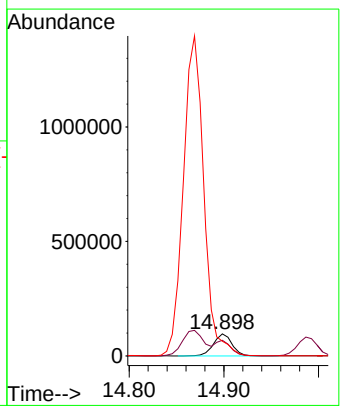


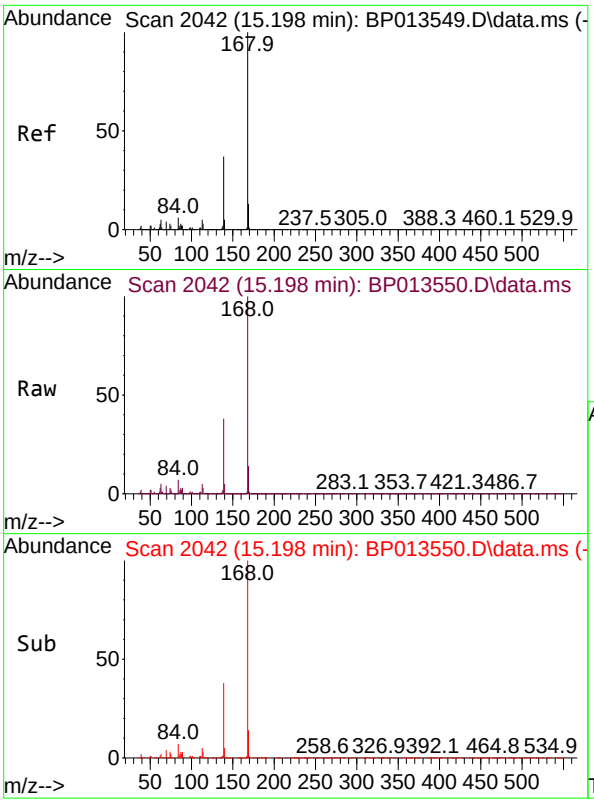


#54
2,4-Dinitrophenol
Concen: 53.521 ng
RT: 14.898 min Scan# 1991
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:184 Resp: 130481

Ion	Ratio	Lower	Upper
184	100		
63	71.0	53.2	79.8
154	66.5	54.4	81.6



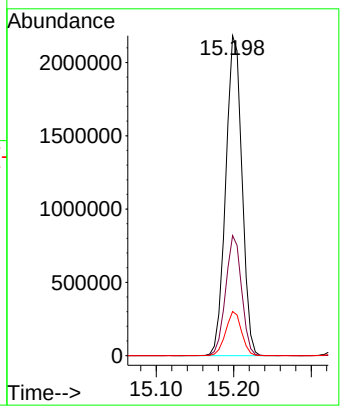


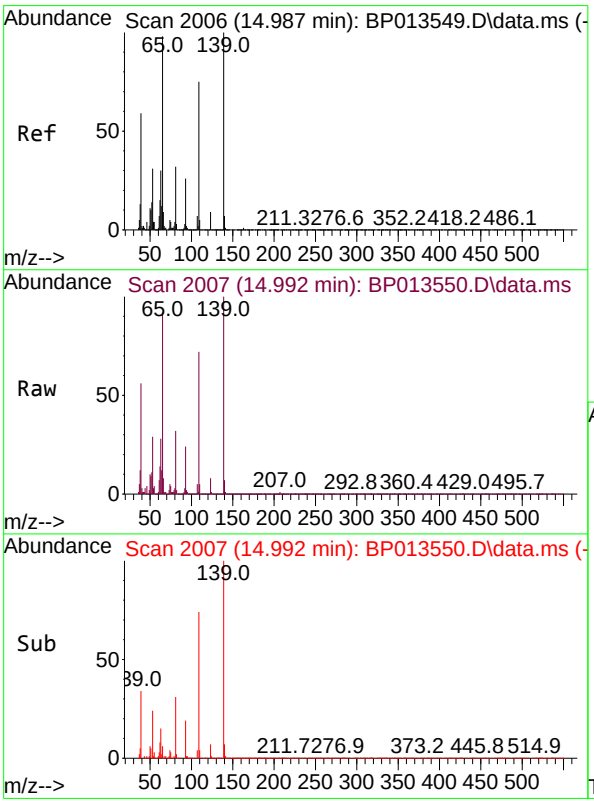
#55
Dibenzofuran
Concen: 51.250 ng
RT: 15.198 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 3183762

Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.9	44.9
169	13.8	10.7	16.1

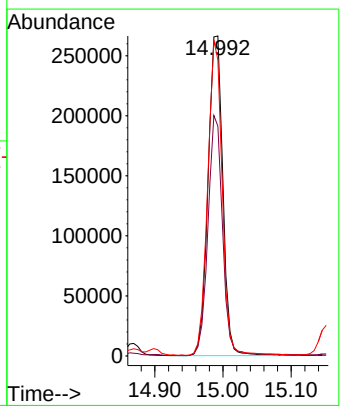


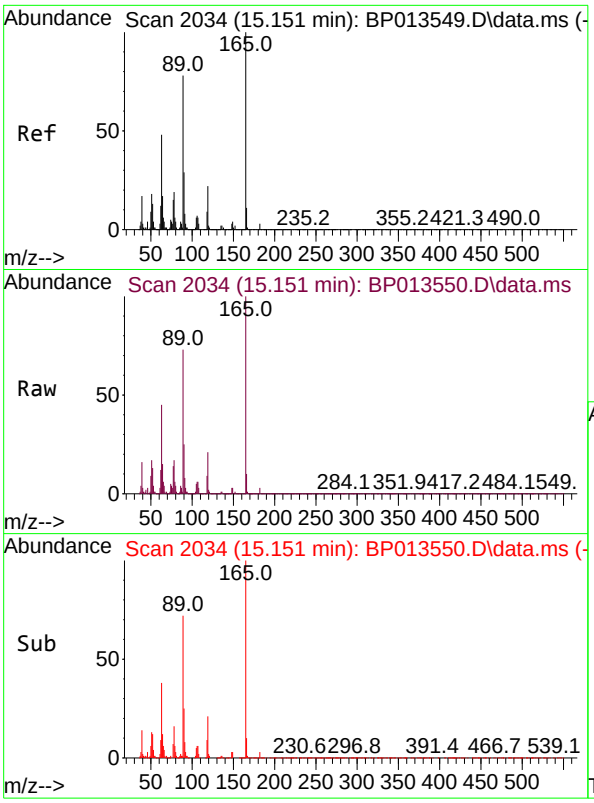


#56
4-Nitrophenol
Concen: 53.652 ng
RT: 14.992 min Scan# 2007
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:139 Resp: 401431

Ion	Ratio	Lower	Upper
139	100		
109	71.8	55.0	95.0
65	92.5	77.7	117.7



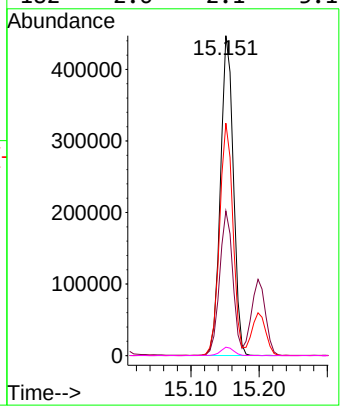


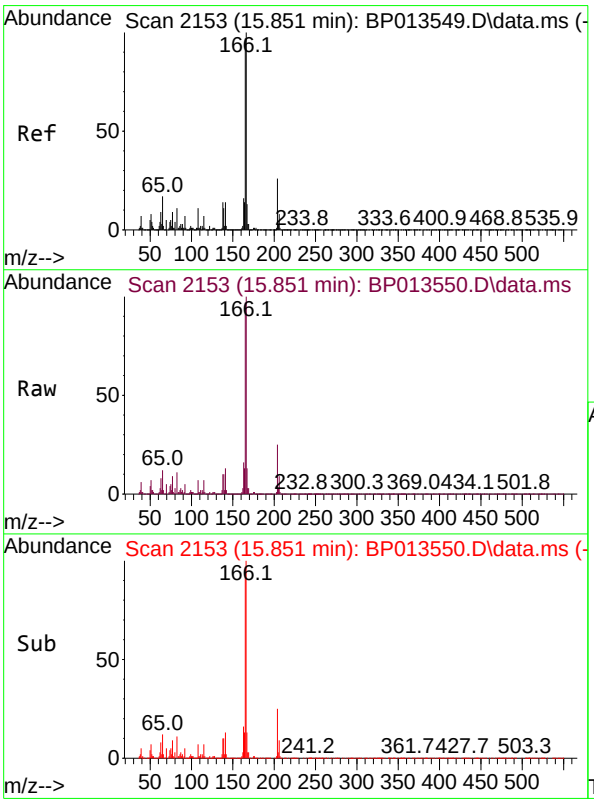
#57
2,4-Dinitrotoluene
Concen: 60.727 ng
RT: 15.151 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 584091

Ion	Ratio	Lower	Upper
165	100		
63	45.2	38.3	57.5
89	72.6	62.1	93.1
182	2.6	2.1	3.1

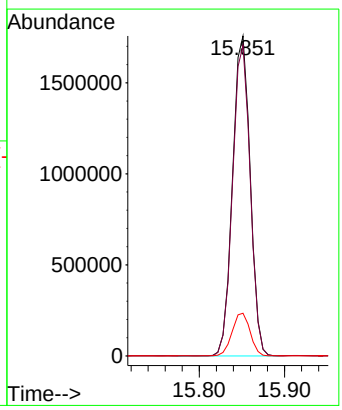


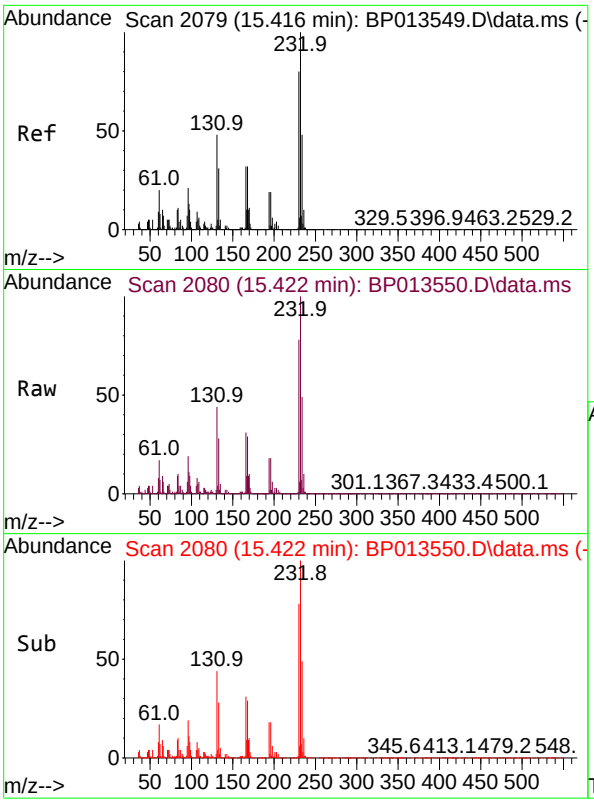


#58
Fluorene
Concen: 51.073 ng
RT: 15.851 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:166 Resp: 2521774

Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.8	116.8
167	13.3	10.7	16.1



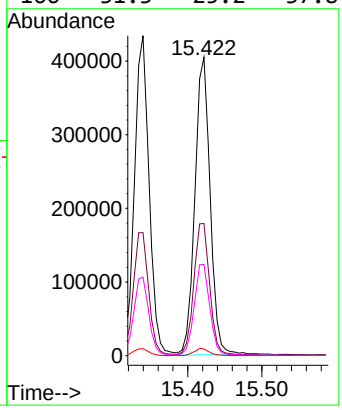


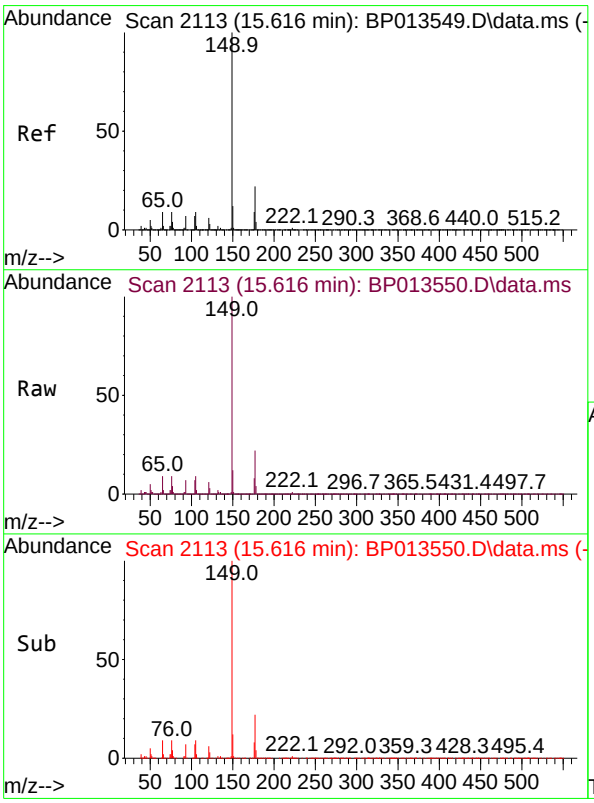
#59
2,3,4,6-Tetrachlorophenol
Concen: 53.268 ng
RT: 15.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 580482

Ion	Ratio	Lower	Upper
232	100		
131	45.9	37.1	55.7
130	2.4	1.9	2.9
166	31.3	25.2	37.8

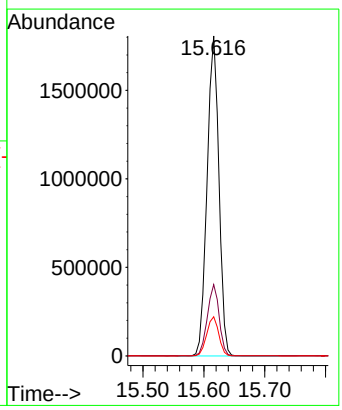


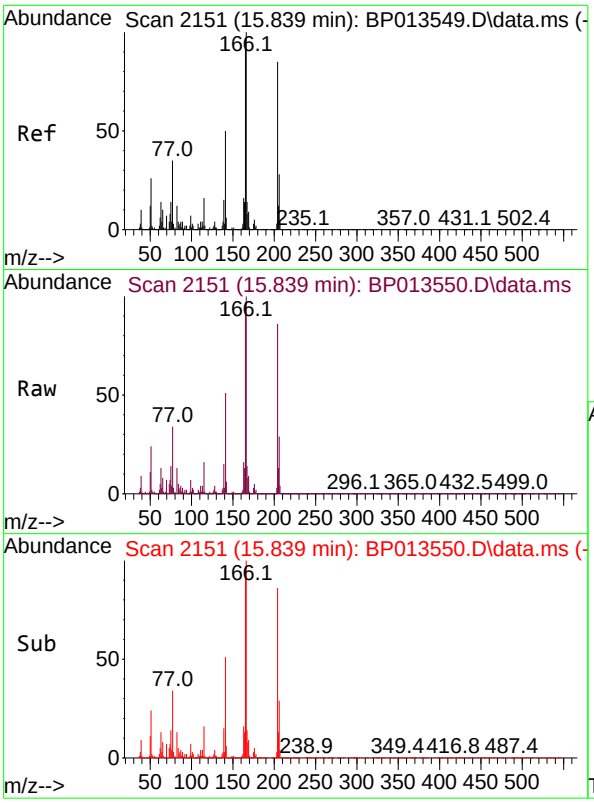


#60
Diethylphthalate
Concen: 50.217 ng
RT: 15.616 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:149 Resp: 2430120

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.6
150	12.2	9.8	14.6



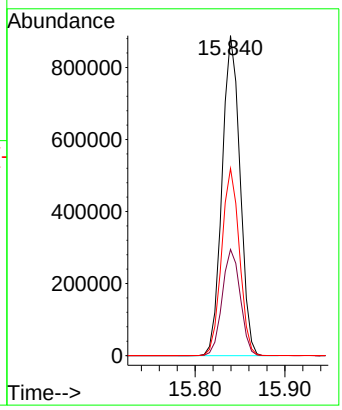


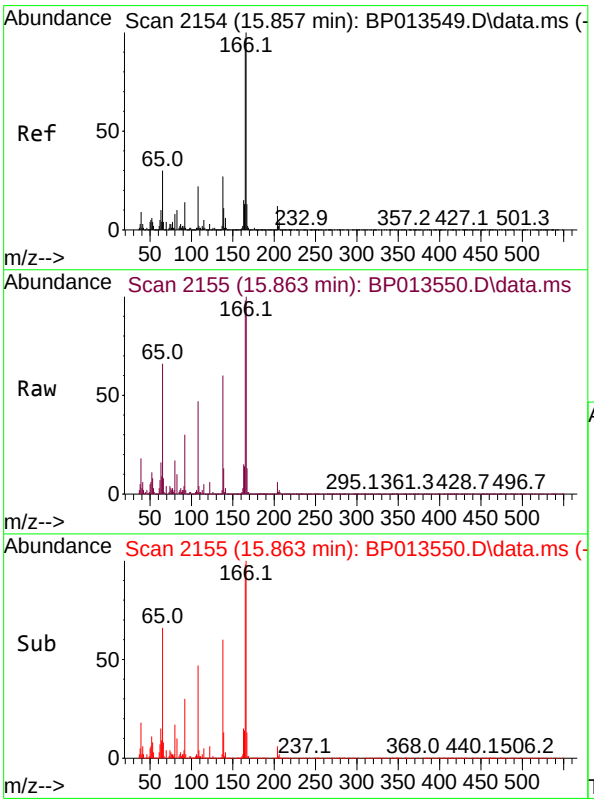
#61
4-Chlorophenyl-phenylether
Concen: 51.039 ng
RT: 15.839 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1239146

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.6	39.8
141	58.5	47.0	70.4

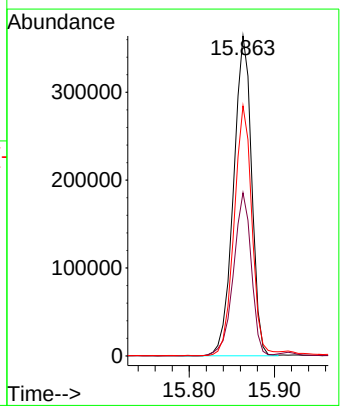


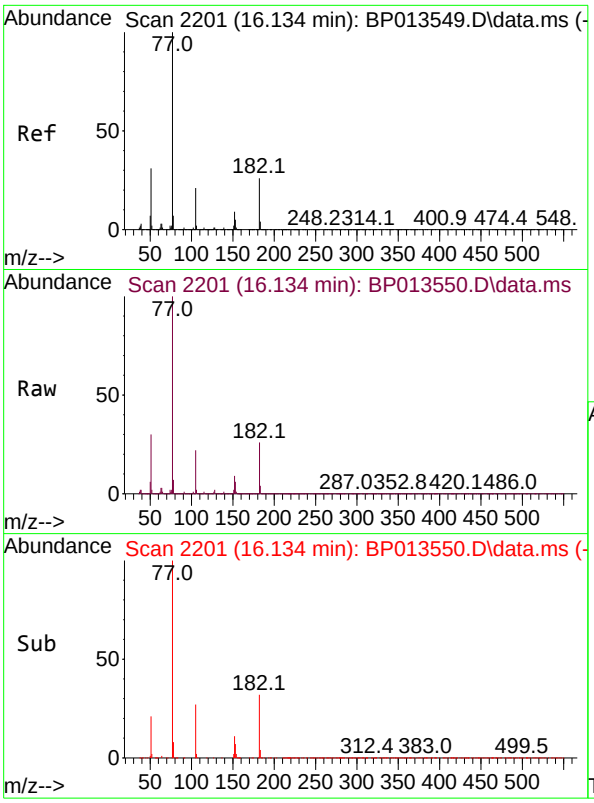


#62
4-Nitroaniline
Concen: 57.443 ng
RT: 15.863 min Scan# 2155
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:138 Resp: 537563

Ion	Ratio	Lower	Upper
138	100		
92	51.0	32.3	72.3
108	78.1	59.2	99.2



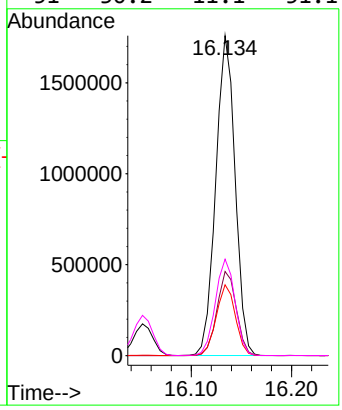


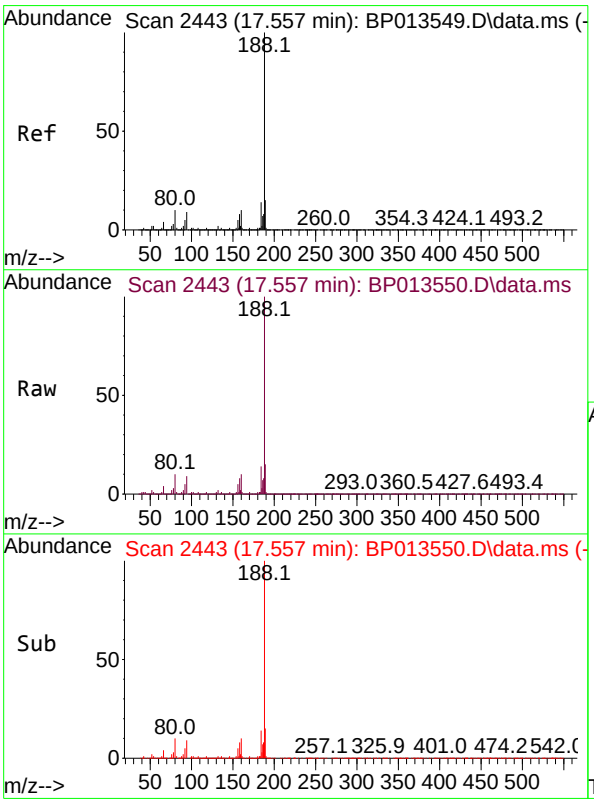
#63
Azobenzene
Concen: 50.214 ng
RT: 16.134 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2361237

Ion	Ratio	Lower	Upper
77	100		
182	26.3	5.5	45.5
105	22.1	1.4	41.4
51	30.2	11.1	51.1

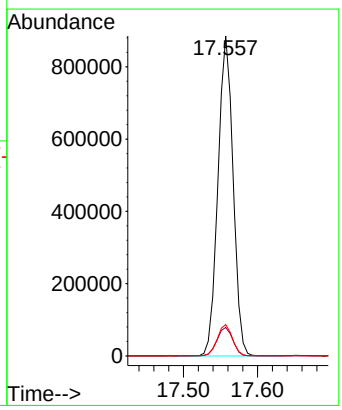


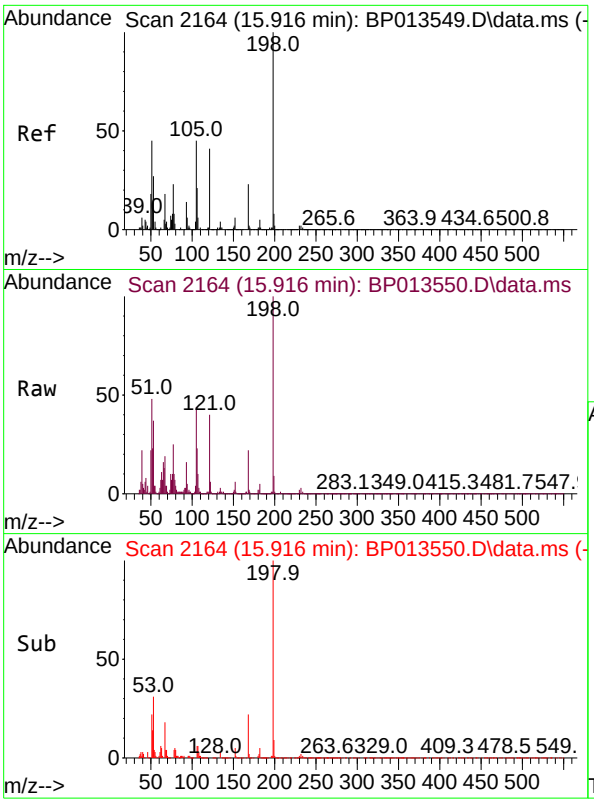


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.557 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:188 Resp: 1253307

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	9.8	8.2	12.2



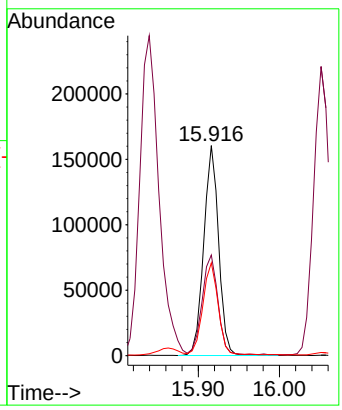


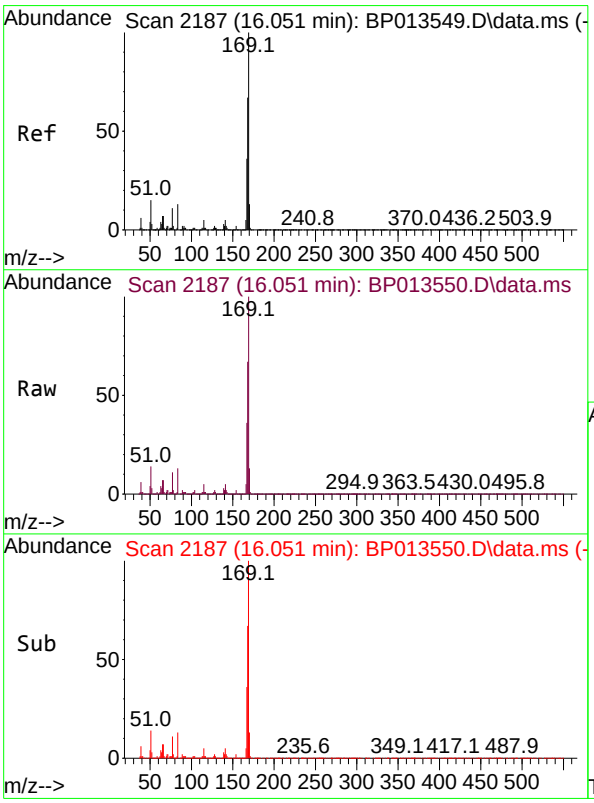
#65
4,6-Dinitro-2-methylphenol
Concen: 56.412 ng
RT: 15.916 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 204333

Ion	Ratio	Lower	Upper
198	100		
51	47.9	30.4	70.4
105	44.1	26.4	66.4

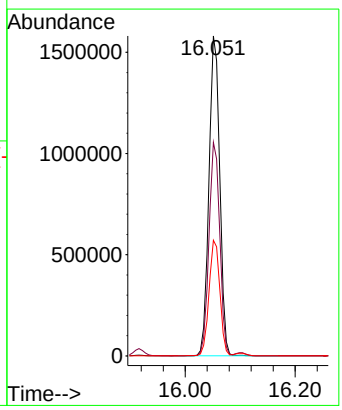


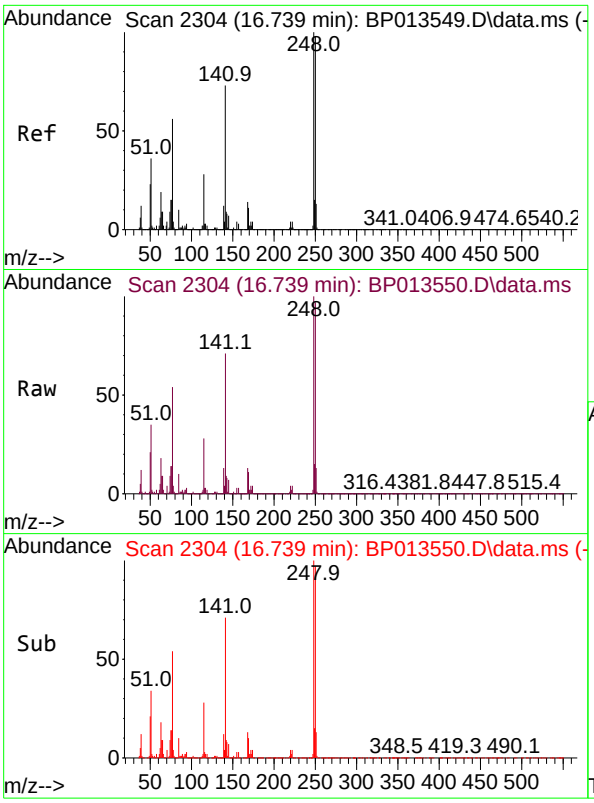


#66
n-Nitrosodiphenylamine
Concen: 52.560 ng
RT: 16.051 min Scan# 2187
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:169 Resp: 2148206

Ion	Ratio	Lower	Upper
169	100		
168	66.7	54.0	81.0
167	36.1	29.0	43.6



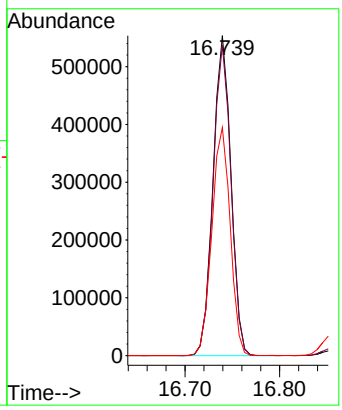


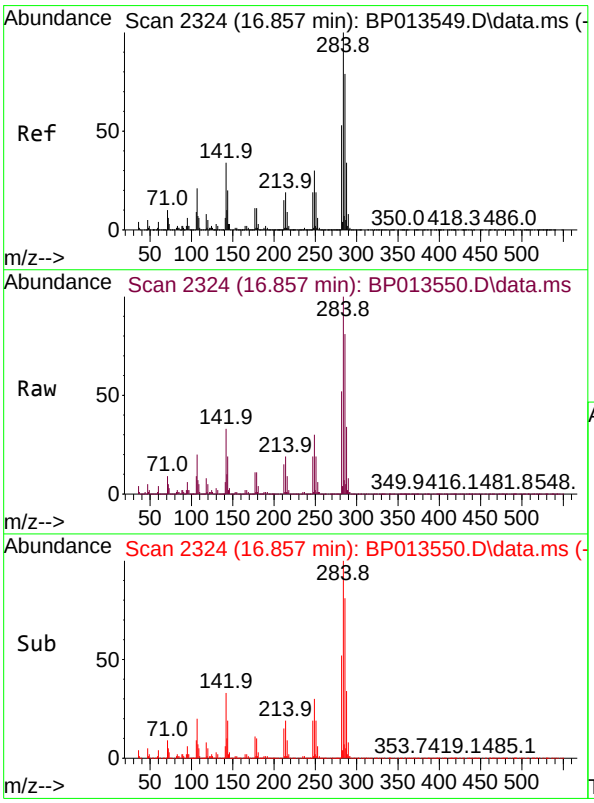
#67
4-Bromophenyl-phenylether
Concen: 52.496 ng
RT: 16.739 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 728800

Ion	Ratio	Lower	Upper
248	100		
250	97.1	78.1	117.1
141	71.3	58.1	87.1

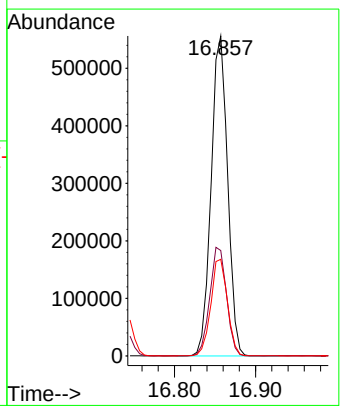


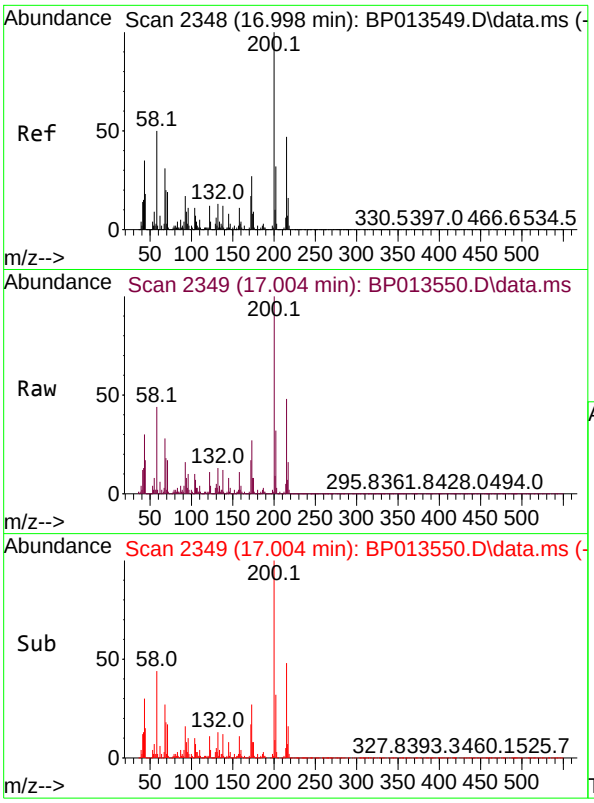


#68
Hexachlorobenzene
Concen: 52.320 ng
RT: 16.857 min Scan# 2324
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:284 Resp: 784574

Ion	Ratio	Lower	Upper
284	100		
142	33.0	27.3	40.9
249	30.2	24.0	36.0



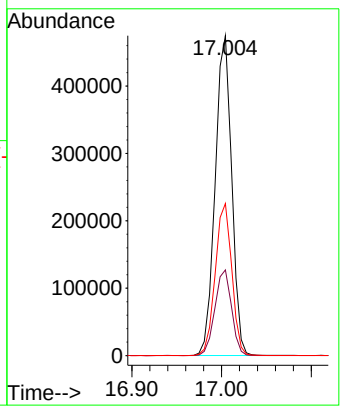


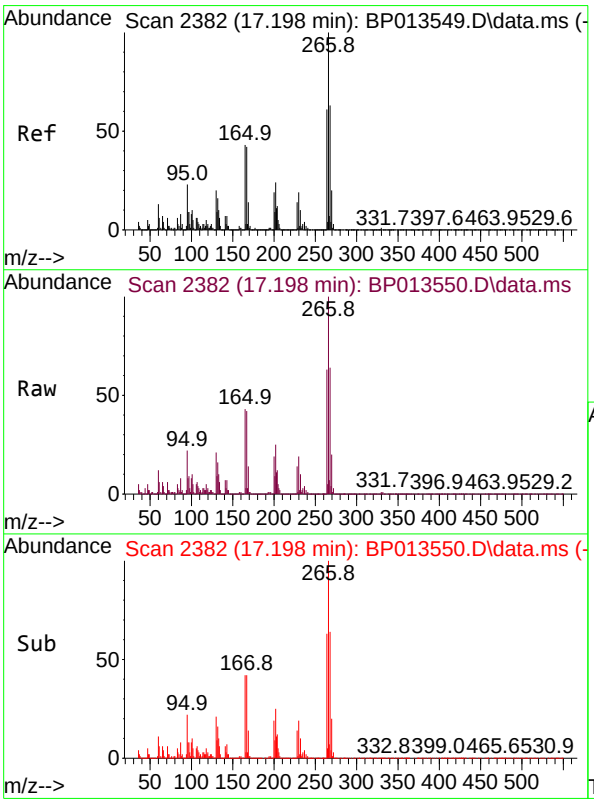
#69
Atrazine
Concen: 51.895 ng
RT: 17.004 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 606877

Ion	Ratio	Lower	Upper
200	100		
173	26.8	7.2	47.2
215	47.5	27.3	67.3

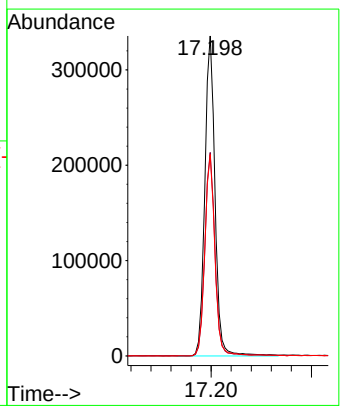


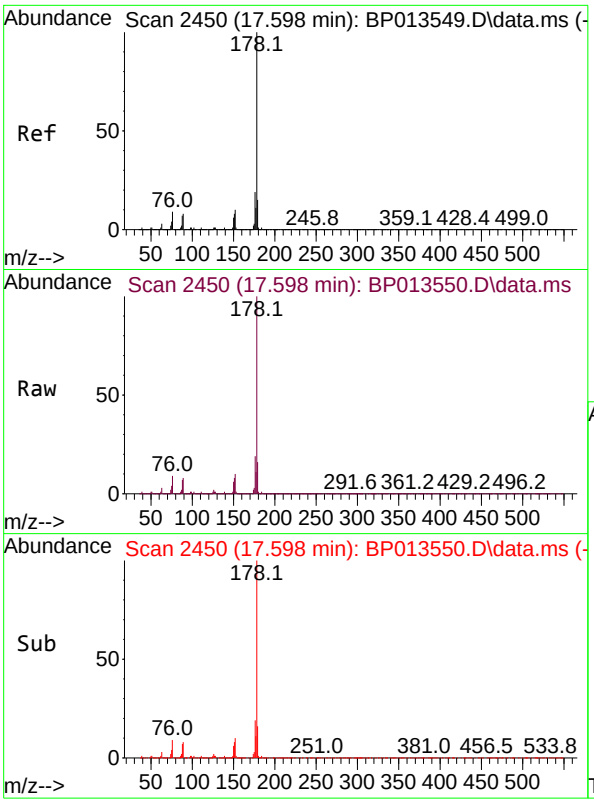


#70
Pentachlorophenol
Concen: 54.187 ng
RT: 17.198 min Scan# 2382
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:266 Resp: 473242

Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.7	76.1
264	62.9	48.9	73.3



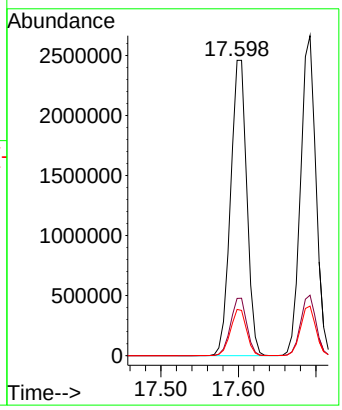


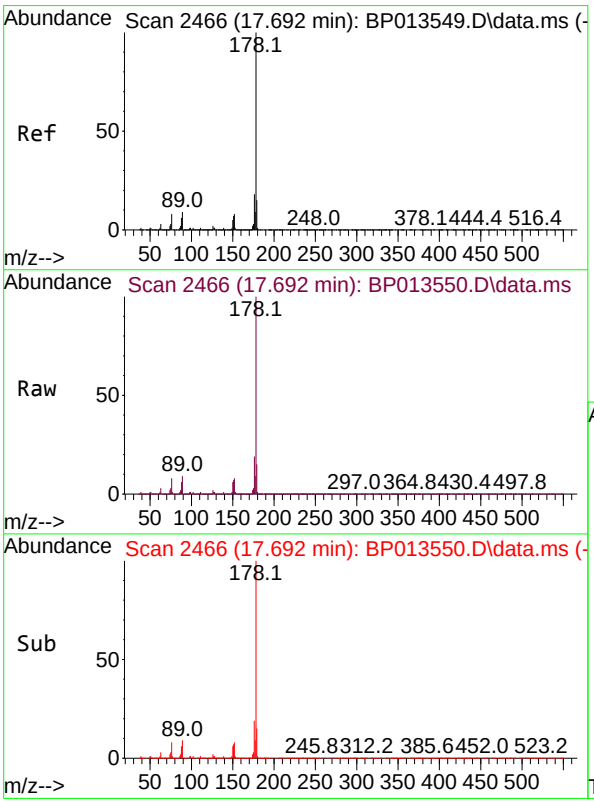
#71
Phenanthrene
Concen: 51.444 ng
RT: 17.598 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 3587319

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	12.2	18.4

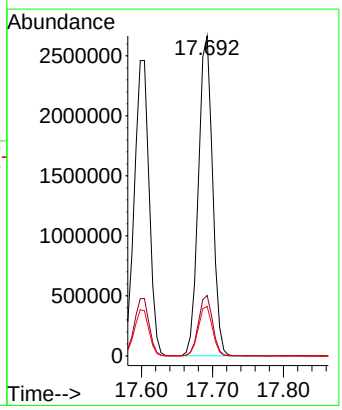


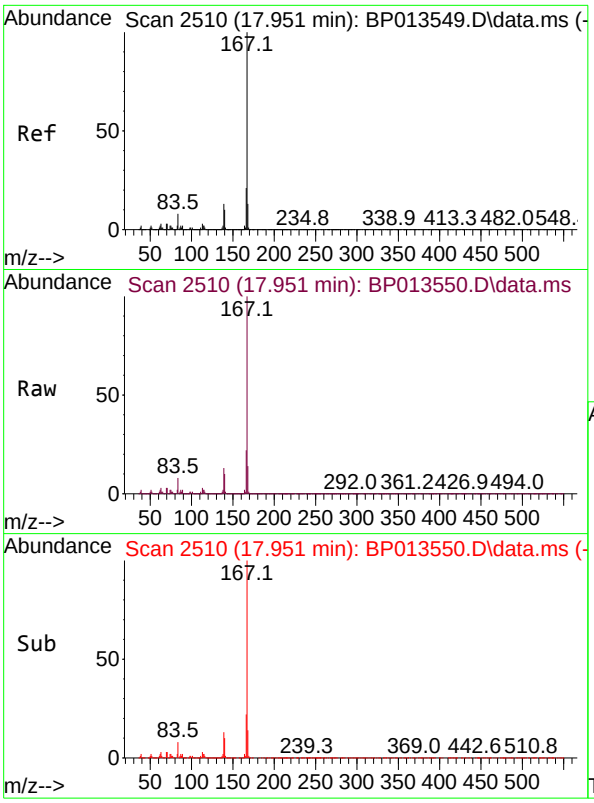


#72
Anthracene
Concen: 51.676 ng
RT: 17.692 min Scan# 2466
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:178 Resp: 3657338

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	22.0
179	15.5	12.3	18.5



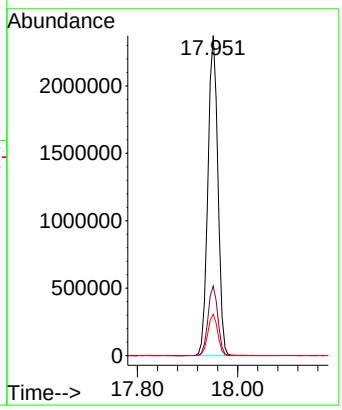


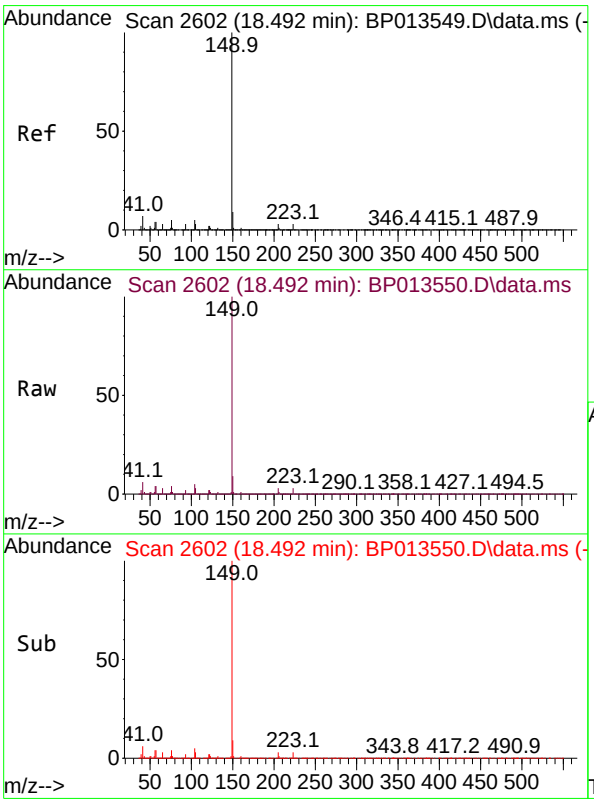
#73
Carbazole
Concen: 51.311 ng
RT: 17.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 3263507

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.2	25.8
139	12.9	10.3	15.5

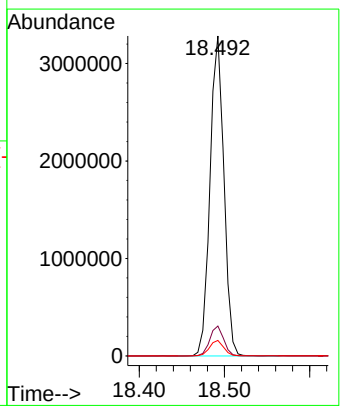


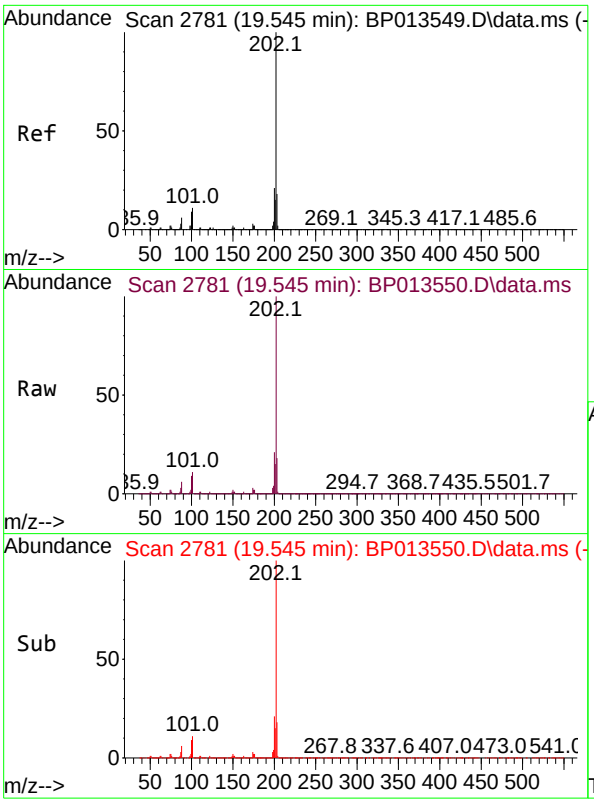


#74
Di-n-butylphthalate
Concen: 52.496 ng
RT: 18.492 min Scan# 2602
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:149 Resp: 3716073

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.8	3.9	5.9



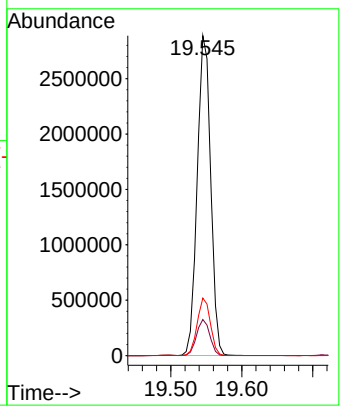


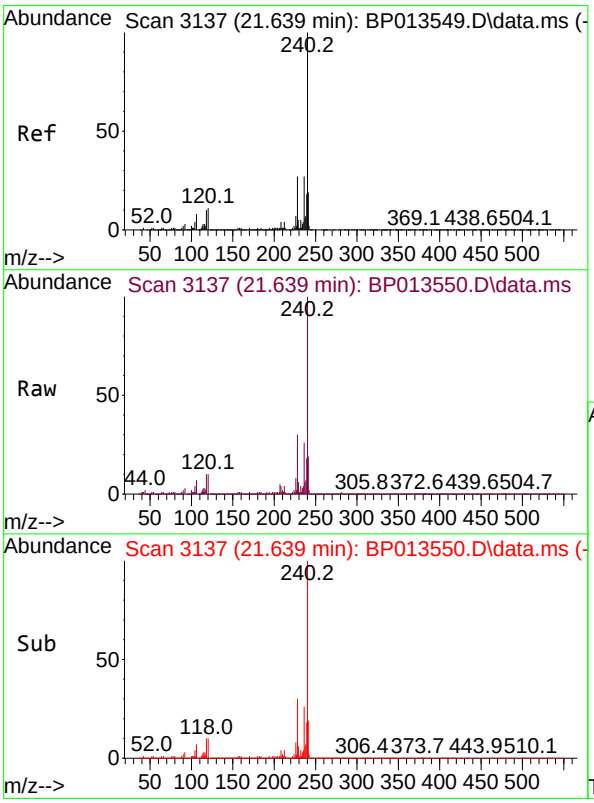
#75
Fluoranthene
Concen: 50.978 ng
RT: 19.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 3780250

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.4
203	18.0	0.0	37.9

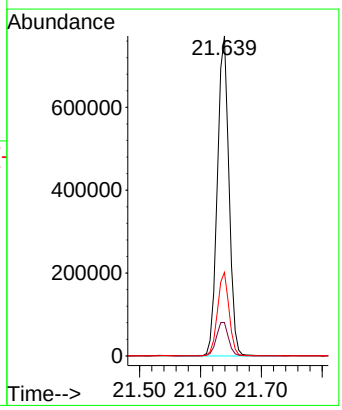


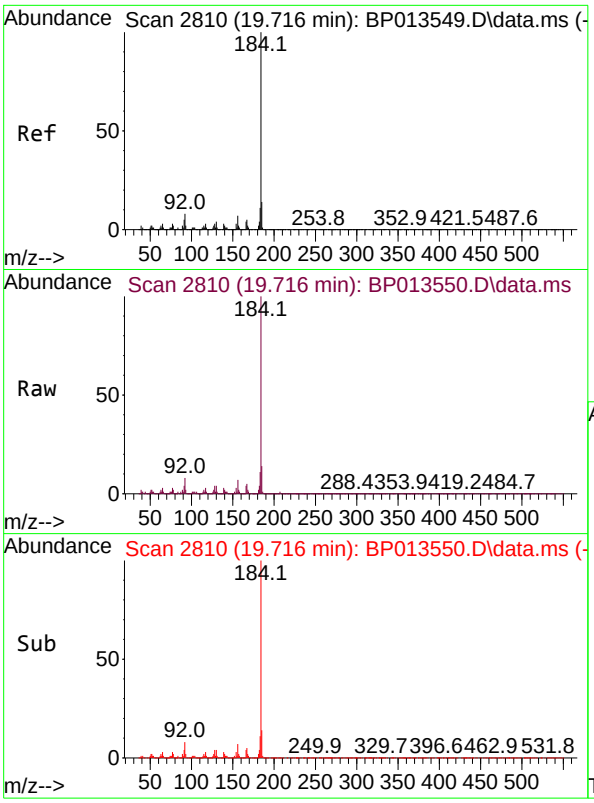


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:240 Resp: 1022072

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.6	13.0
236	26.1	21.3	31.9



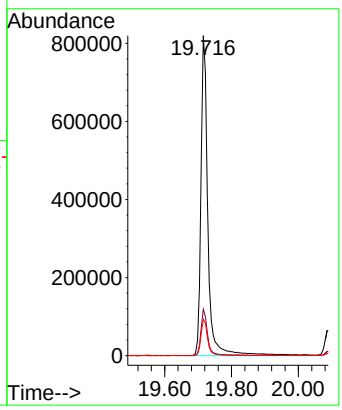


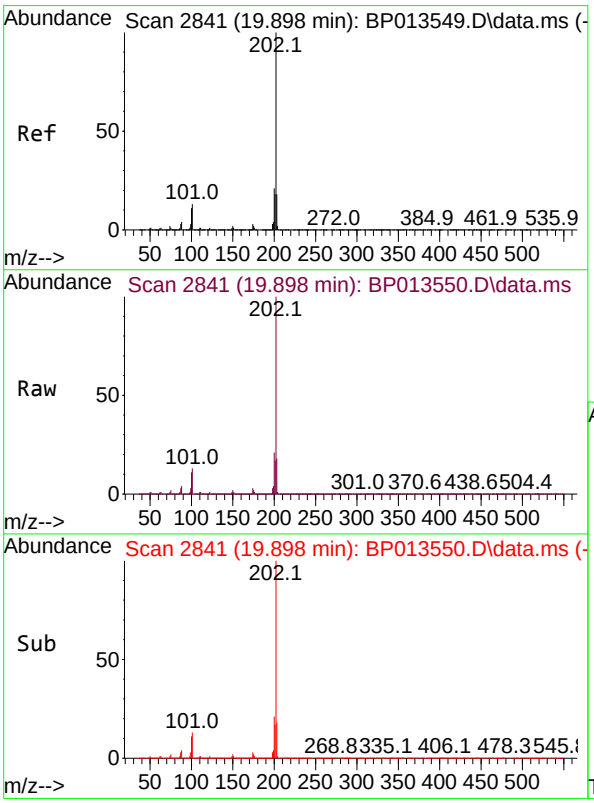
#77
Benzidine
Concen: 45.550 ng
RT: 19.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 1170897

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.5	17.3
183	11.3	9.0	13.6

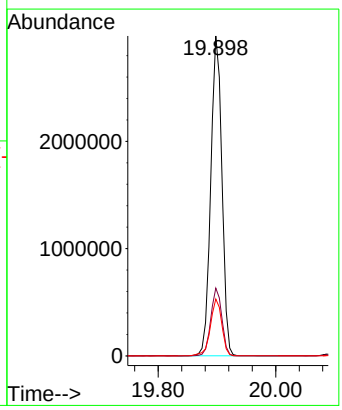


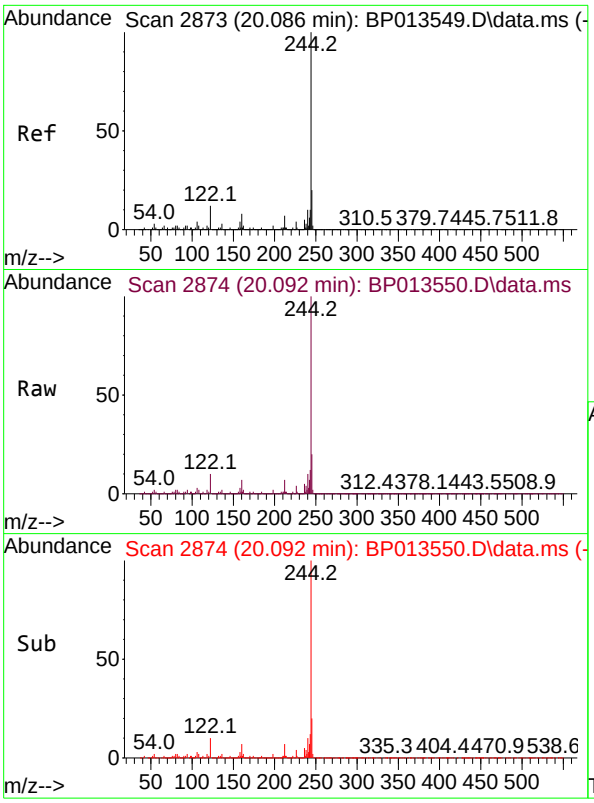


#78
Pyrene
Concen: 50.328 ng
RT: 19.898 min Scan# 2841
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:202 Resp: 3933194

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	17.8	14.2	21.2



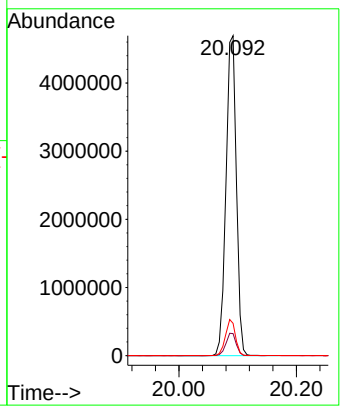


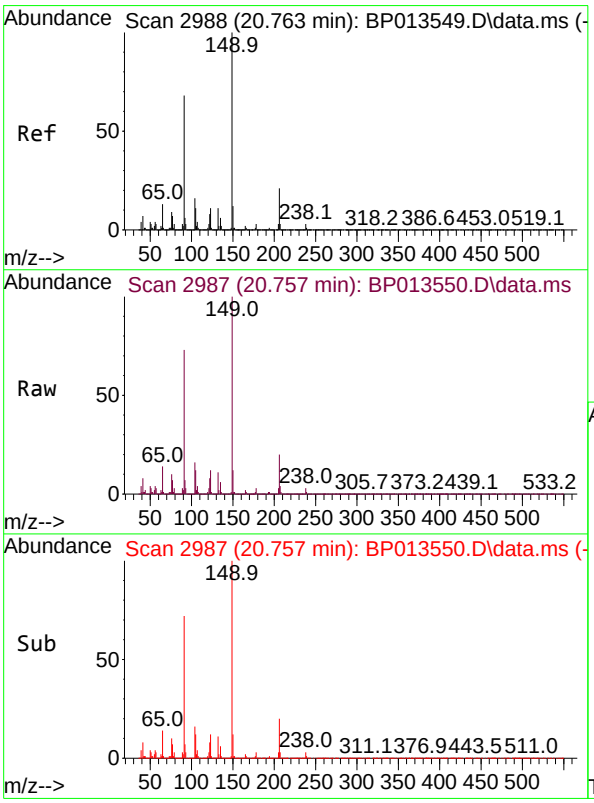
#79
Terphenyl-d14
Concen: 101.289 ng
RT: 20.092 min Scan# 28
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 5754544

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	10.1	9.2	13.8

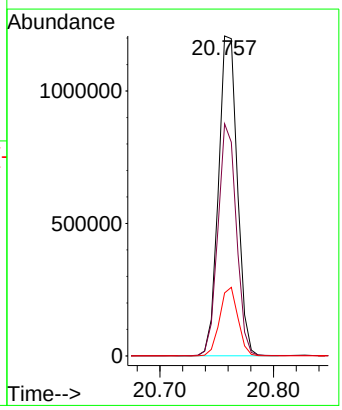


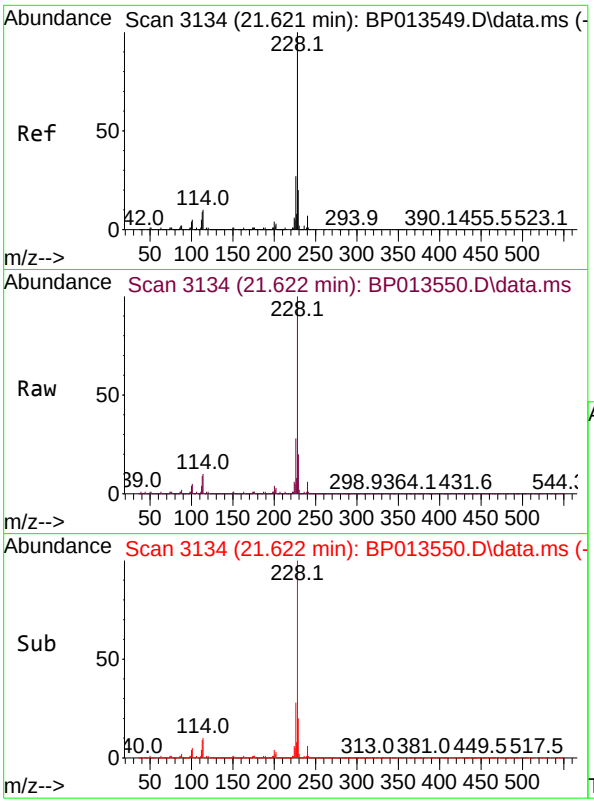


#80
Butylbenzylphthalate
Concen: 53.959 ng
RT: 20.757 min Scan# 2987
Delta R.T. -0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:149 Resp: 1391457

Ion	Ratio	Lower	Upper
149	100		
91	72.5	54.6	81.8
206	19.7	16.7	25.1



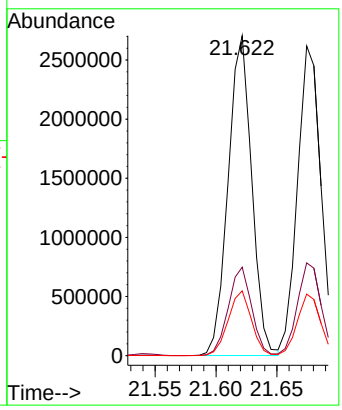


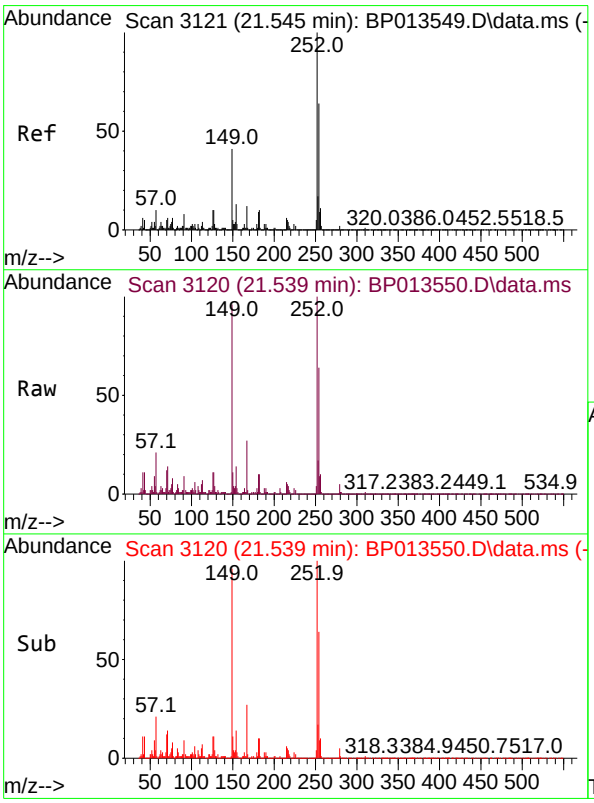
#81
Benzo(a)anthracene
Concen: 51.328 ng
RT: 21.622 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 3654756

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	20.2	15.8	23.6

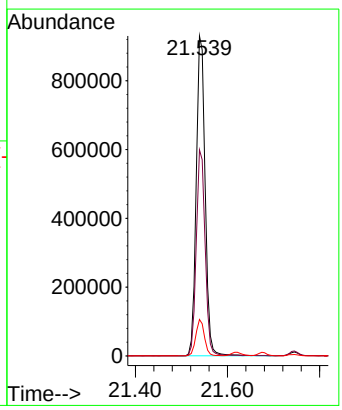


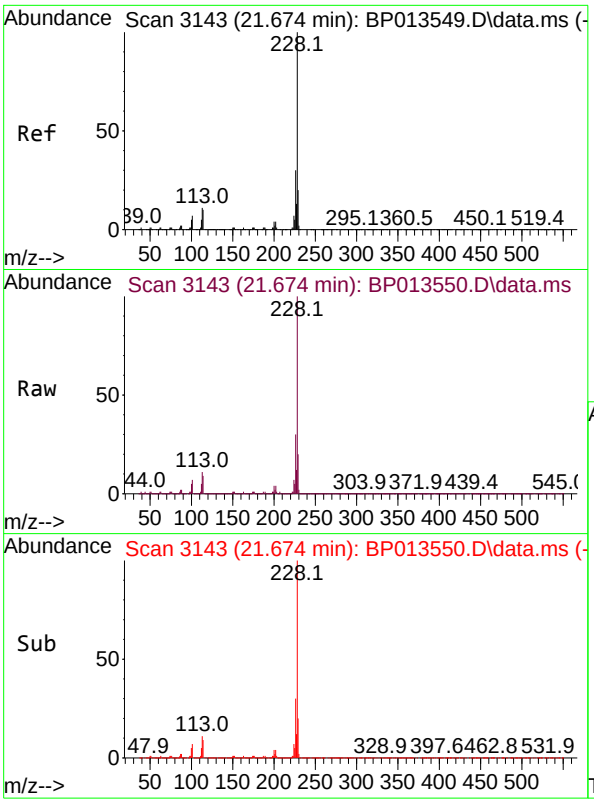


#82
3,3'-Dichlorobenzidine
Concen: 54.205 ng
RT: 21.539 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:252 Resp: 1243571

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.4	77.0
126	11.4	8.3	12.5



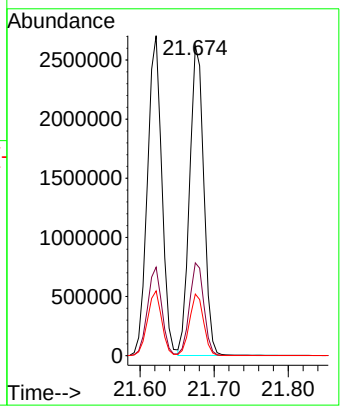


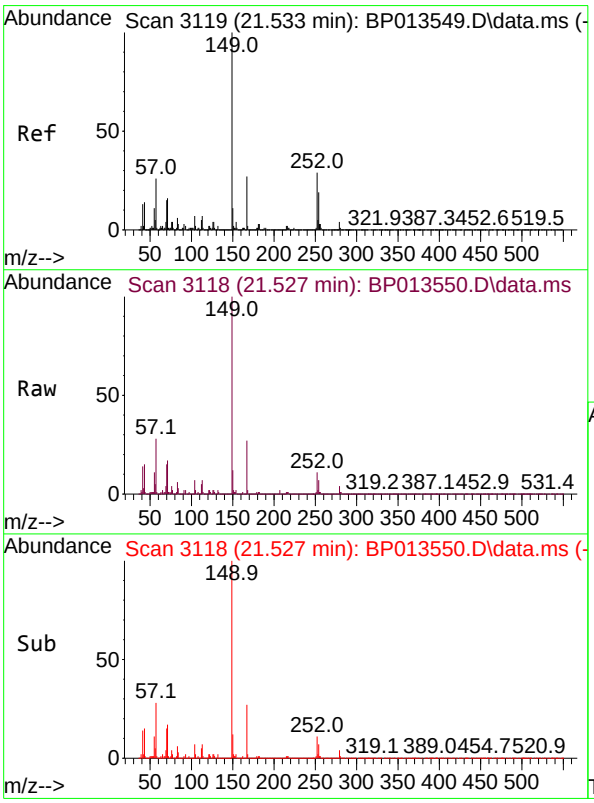
#83
Chrysene
Concen: 51.257 ng
RT: 21.674 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 3490763

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.1	36.1
229	19.9	16.2	24.2

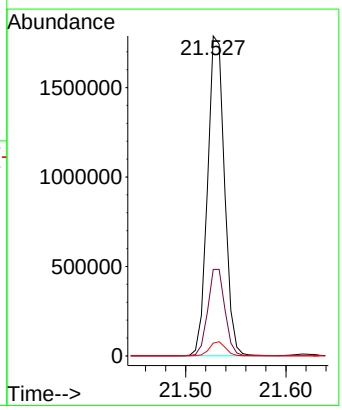


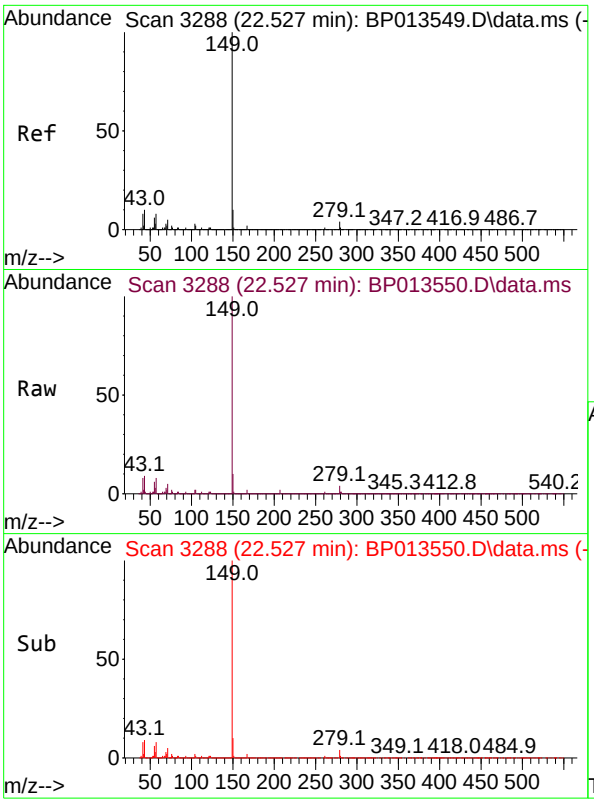


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.668 ng
RT: 21.527 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:149 Resp: 2097331

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.0	33.0
279	4.0	3.5	5.3



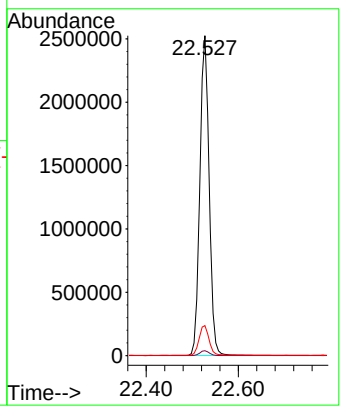


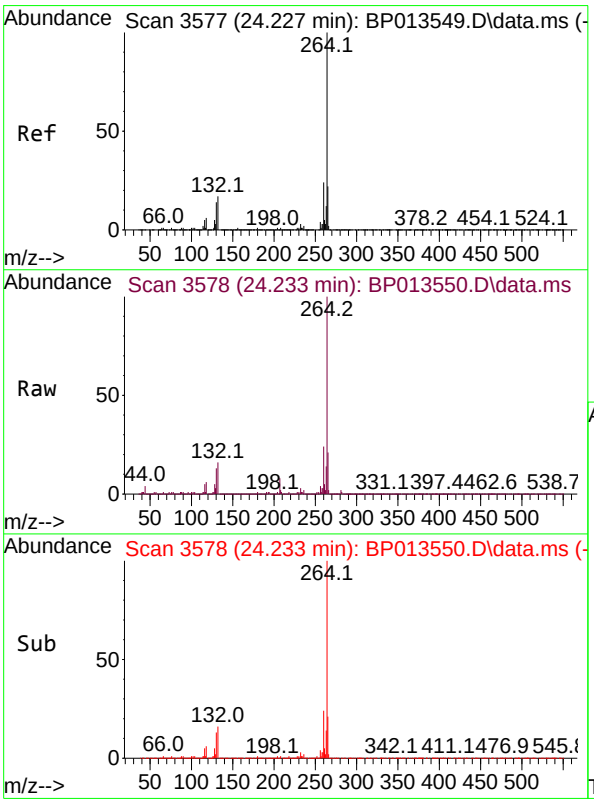
#85
Di-n-octyl phthalate
Concen: 54.700 ng
RT: 22.527 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 3511834

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.0	8.2	12.4

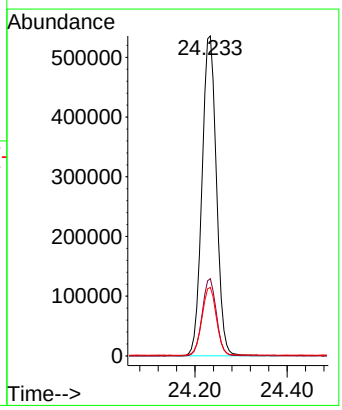


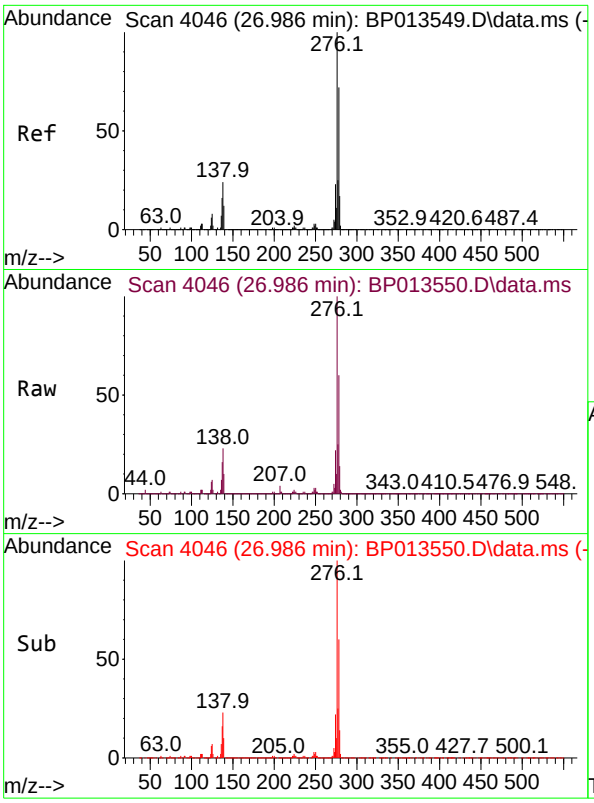


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.233 min Scan# 3578
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:264 Resp: 1160027

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	21.4	17.4	26.2



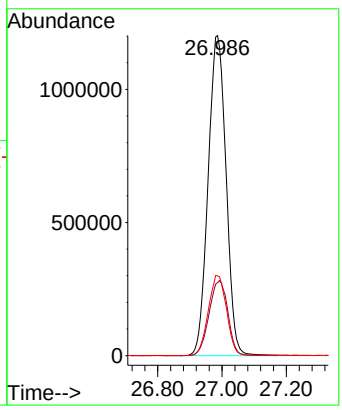


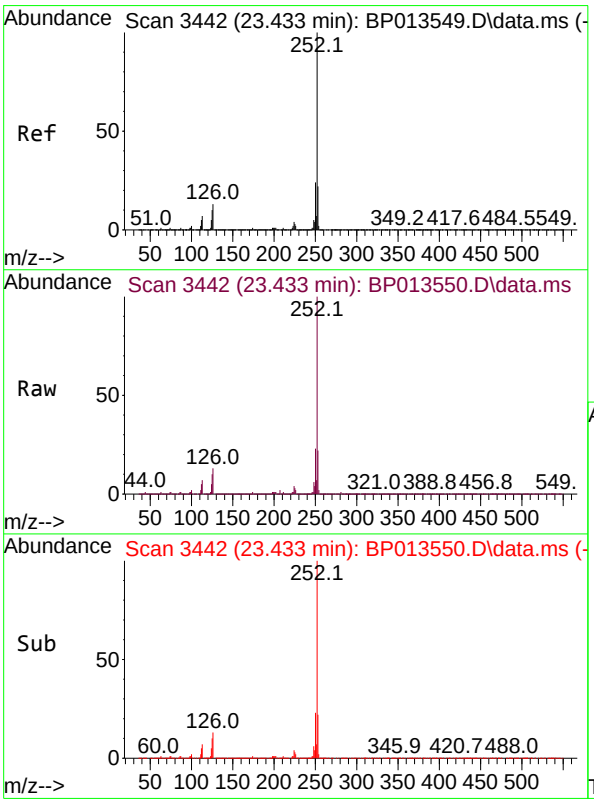
#87
Indeno(1,2,3-cd)pyrene
Concen: 54.537 ng
RT: 26.986 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 4659916

Ion	Ratio	Lower	Upper
276	100		
138	24.5	19.8	29.6
277	25.4	20.2	30.4

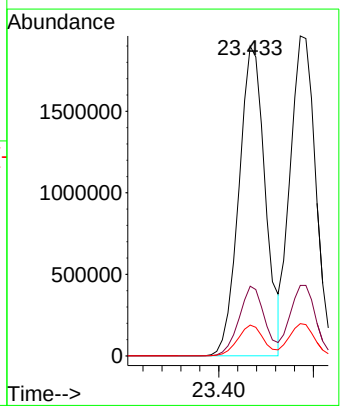


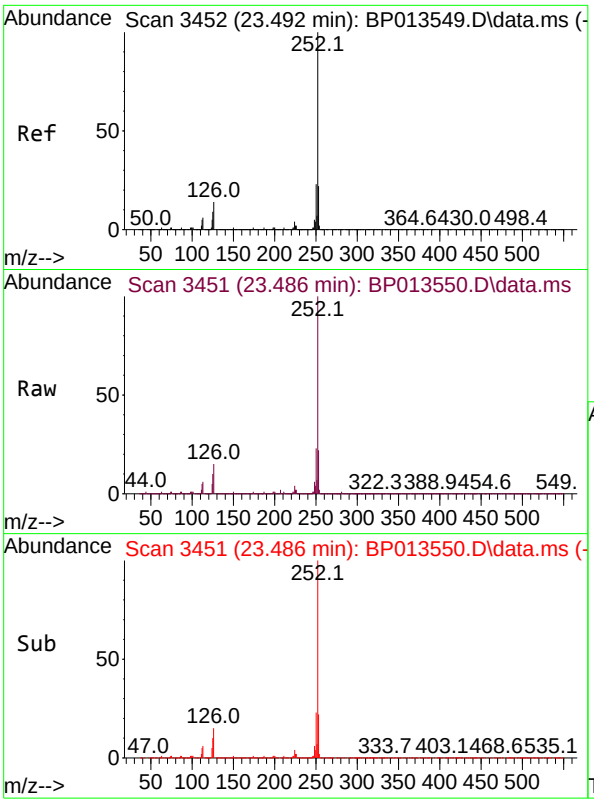


#88
Benzo(b)fluoranthene
Concen: 51.492 ng
RT: 23.433 min Scan# 3442
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:252 Resp: 3674525

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.0	8.0	12.0



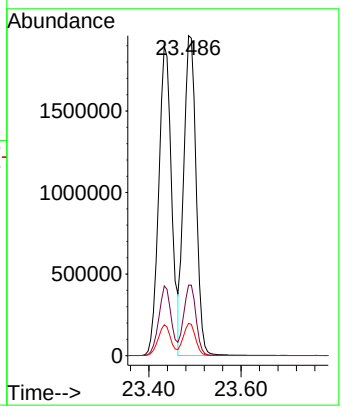


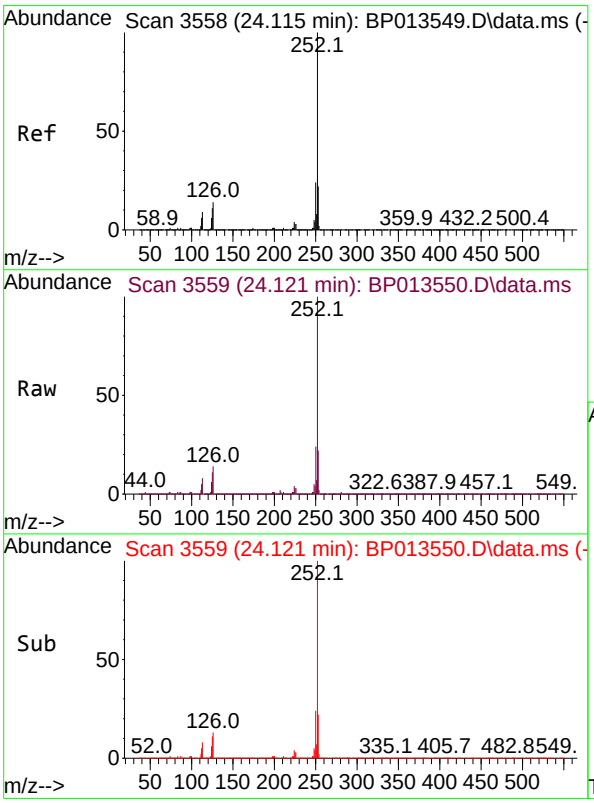
#89
Benzo(k)fluoranthene
Concen: 50.449 ng
RT: 23.486 min Scan# 34
Delta R.T. -0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 3671979

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.1	7.5	11.3

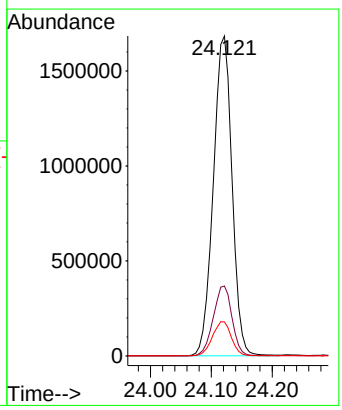


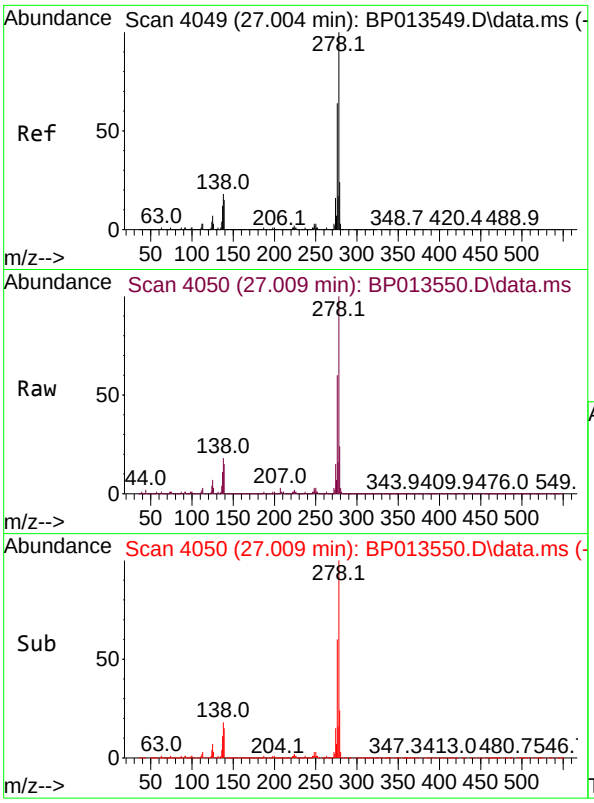


#90
Benzo(a)pyrene
Concen: 52.033 ng
RT: 24.121 min Scan# 3559
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:252 Resp: 3601967

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.6	8.9	13.3



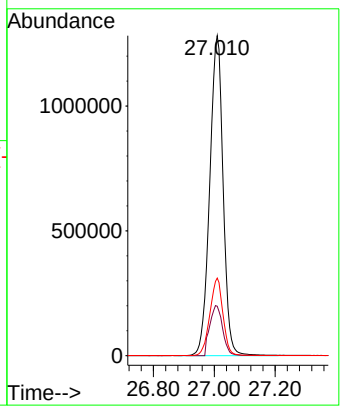


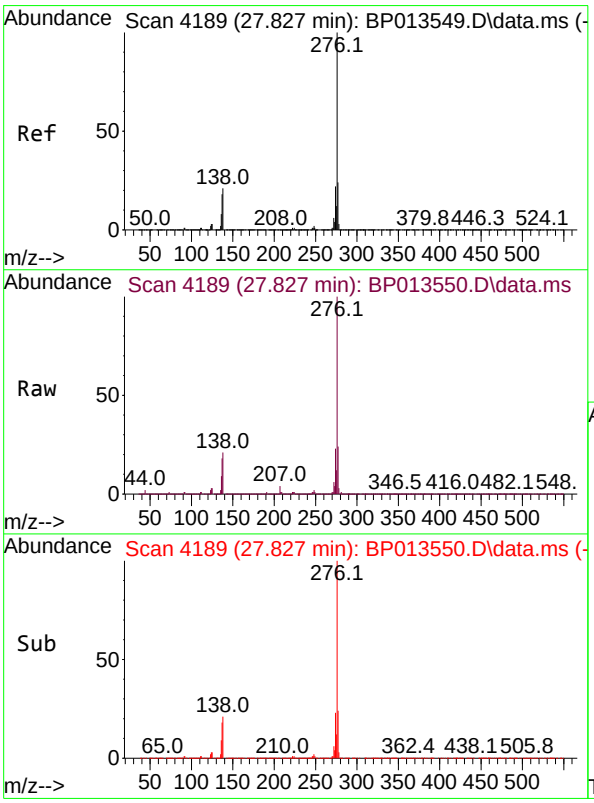
#91
Dibenzo(a,h)anthracene
Concen: 54.819 ng
RT: 27.009 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 3928886

Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.3	18.5
279	24.2	19.0	28.6

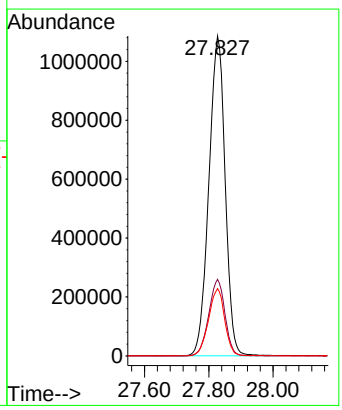




#92
Benzo(g,h,i)perylene
Concen: 44.756 ng
RT: 27.827 min Scan# 4189
Delta R.T. 0.000 min
Lab File: BP013550.D
Acq: 23 Jan 2023 14:17

Tgt Ion:276 Resp: 3824151

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	21.0	16.6	25.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013551.D
Acq On : 23 Jan 2023 14:51
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

Quant Time: Jan 24 03:06:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.163	152	318156	20.000	ng	0.00
21) Naphthalene-d8	10.998	136	1240381	20.000	ng	0.00
39) Acenaphthene-d10	14.804	164	709374	20.000	ng	0.00
64) Phenanthrene-d10	17.557	188	1320949	20.000	ng	0.00
76) Chrysene-d12	21.639	240	1063261	20.000	ng	0.00
86) Perylene-d12	24.233	264	1211615	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	2200298	118.492	ng	0.00
7) Phenol-d6	7.310	99	2975868	119.074	ng	0.00
23) Nitrobenzene-d5	9.340	82	2507562	133.460	ng	0.00
42) 2,4,6-Tribromophenol	16.292	330	964341	130.389	ng	0.00
45) 2-Fluorobiphenyl	13.434	172	6186997	119.720	ng	0.00
79) Terphenyl-d14	20.086	244	6972653	117.975	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.528	88	430243	57.474	ng	99
3) Pyridine	3.940	79	1322245	59.679	ng	98
4) n-Nitrosodimethylamine	3.852	42	579386	57.664	ng	100
6) Aniline	7.481	93	1984823	59.120	ng	99
8) 2-Chlorophenol	7.722	128	1226729	59.869	ng	100
10) Phenol	7.334	94	1541832	59.547	ng	99
11) bis(2-Chloroethyl)ether	7.581	93	1226647	57.937	ng	98
12) 1,3-Dichlorobenzene	8.052	146	1311095	57.860	ng	99
13) 1,4-Dichlorobenzene	8.204	146	1327000	57.755	ng	100
14) 1,2-Dichlorobenzene	8.522	146	1283786	57.704	ng	100
15) Benzyl Alcohol	8.404	79	1075212	60.216	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.699	45	1650440m	56.854	ng	
17) 2-Methylphenol	8.604	107	1118016	59.454	ng	99
18) Hexachloroethane	9.263	117	458002	59.637	ng	99
19) n-Nitroso-di-n-propyla...	8.981	70	952666	59.183	ng	98
20) 3+4-Methylphenols	8.934	107	1490176	60.205	ng	98
22) Acetophenone	8.999	105	1899511	59.695	ng	99
24) Nitrobenzene	9.381	77	1313431	65.015	ng	100
25) Isophorone	9.910	82	2665886	59.819	ng	99
26) 2-Nitrophenol	10.098	139	483593	76.769	ng	98
27) 2,4-Dimethylphenol	10.151	122	1185634	60.351	ng	98
28) bis(2-Chloroethoxy)met...	10.393	93	1613726	60.087	ng	99
29) 2,4-Dichlorophenol	10.634	162	1127899	63.738	ng	99
30) 1,2,4-Trichlorobenzene	10.857	180	1224930	60.656	ng	98
31) Naphthalene	11.051	128	3999959	59.984	ng	99
32) Benzoic acid	10.298	122	616636	71.815	ng	99
33) 4-Chloroaniline	11.151	127	1780014	60.327	ng	100
34) Hexachlorobutadiene	11.334	225	704528	59.950	ng	99
35) Caprolactam	11.940	113	359111	62.825	ng	98
36) 4-Chloro-3-methylphenol	12.257	107	1202874	62.417	ng	98
37) 2-Methylnaphthalene	12.645	142	2836128	59.835	ng	99
38) 1-Methylnaphthalene	12.857	142	2660484	59.734	ng	99
40) 1,2,4,5-Tetrachloroben...	13.004	216	1334117	61.087	ng	100
41) Hexachlorocyclopentadiene	12.987	237	690870	67.200	ng	97
43) 2,4,6-Trichlorophenol	13.234	196	842879	65.942	ng	98
44) 2,4,5-Trichlorophenol	13.310	196	994437	65.839	ng	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013551.D
Acq On : 23 Jan 2023 14:51
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 24 03:06:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	1,1'-Biphenyl	13.639	154	3434344	60.283	ng	100
47)	2-Chloronaphthalene	13.687	162	2572697	60.278	ng	99
48)	2-Nitroaniline	13.881	65	649601	76.069	ng	93
49)	Acenaphthylene	14.528	152	4232084	60.633	ng	99
50)	Dimethylphthalate	14.257	163	3142626	59.597	ng	100
51)	2,6-Dinitrotoluene	14.369	165	618585	72.653	ng	98
52)	Acenaphthene	14.869	154	2614425	60.637	ng	99
53)	3-Nitroaniline	14.698	138	697428	71.445	ng	99
54)	2,4-Dinitrophenol	14.898	184	185227	71.389	ng	96
55)	Dibenzofuran	15.198	168	3915779	59.227	ng	100
56)	4-Nitrophenol	14.992	139	529315	66.471	ng	94
57)	2,4-Dinitrotoluene	15.157	165	770950	75.314	ng	91
58)	Fluorene	15.851	166	3099489	58.982	ng	100
59)	2,3,4,6-Tetrachlorophenol	15.422	232	748406	64.530	ng	98
60)	Diethylphthalate	15.616	149	3036068	58.950	ng	100
61)	4-Chlorophenyl-phenyle...	15.839	204	1538719	59.550	ng	98
62)	4-Nitroaniline	15.863	138	686801	68.959	ng	97
63)	Azobenzene	16.133	77	2920790	58.363	ng	98
65)	4,6-Dinitro-2-methylph...	15.916	198	285415	74.763	ng	97
66)	n-Nitrosodiphenylamine	16.051	169	2664154	61.846	ng	99
67)	4-Bromophenyl-phenylether	16.739	248	922261	63.030	ng	98
68)	Hexachlorobenzene	16.857	284	981766	62.117	ng	98
69)	Atrazine	17.004	200	757269	61.440	ng	99
70)	Pentachlorophenol	17.198	266	604383	65.659	ng	99
71)	Phenanthrene	17.598	178	4442913	60.451	ng	99
72)	Anthracene	17.692	178	4559784	61.128	ng	99
73)	Carbazole	17.951	167	4017899	59.937	ng	99
74)	Di-n-butylphthalate	18.492	149	4617933	61.895	ng	100
75)	Fluoranthene	19.545	202	4652184	59.523	ng	99
77)	Benzidine	19.716	184	1517335	56.740	ng	99
78)	Pyrene	19.898	202	4779286	58.786	ng	99
80)	Butylbenzylphthalate	20.757	149	1759604	65.592	ng	97
81)	Benzo(a)anthracene	21.621	228	4496360	60.701	ng	100
82)	3,3'-Dichlorobenzidine	21.539	252	1551613	65.012	ng	100
83)	Chrysene	21.674	228	4267546	60.235	ng	100
84)	Bis(2-ethylhexyl)phtha...	21.527	149	2615021	63.124	ng	99
85)	Di-n-octyl phthalate	22.527	149	4401384	65.899	ng	98
87)	Indeno(1,2,3-cd)pyrene	26.986	276	5756541	64.502	ng	100
88)	Benzo(b)fluoranthene	23.433	252	4520462	60.649	ng	99
89)	Benzo(k)fluoranthene	23.492	252	4519914	59.455	ng	100
90)	Benzo(a)pyrene	24.121	252	4431131	61.285	ng	99
91)	Dibenzo(a,h)anthracene	27.009	278	4850837	64.801	ng	99
92)	Benzo(g,h,i)perylene	27.833	276	4701233	52.678	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

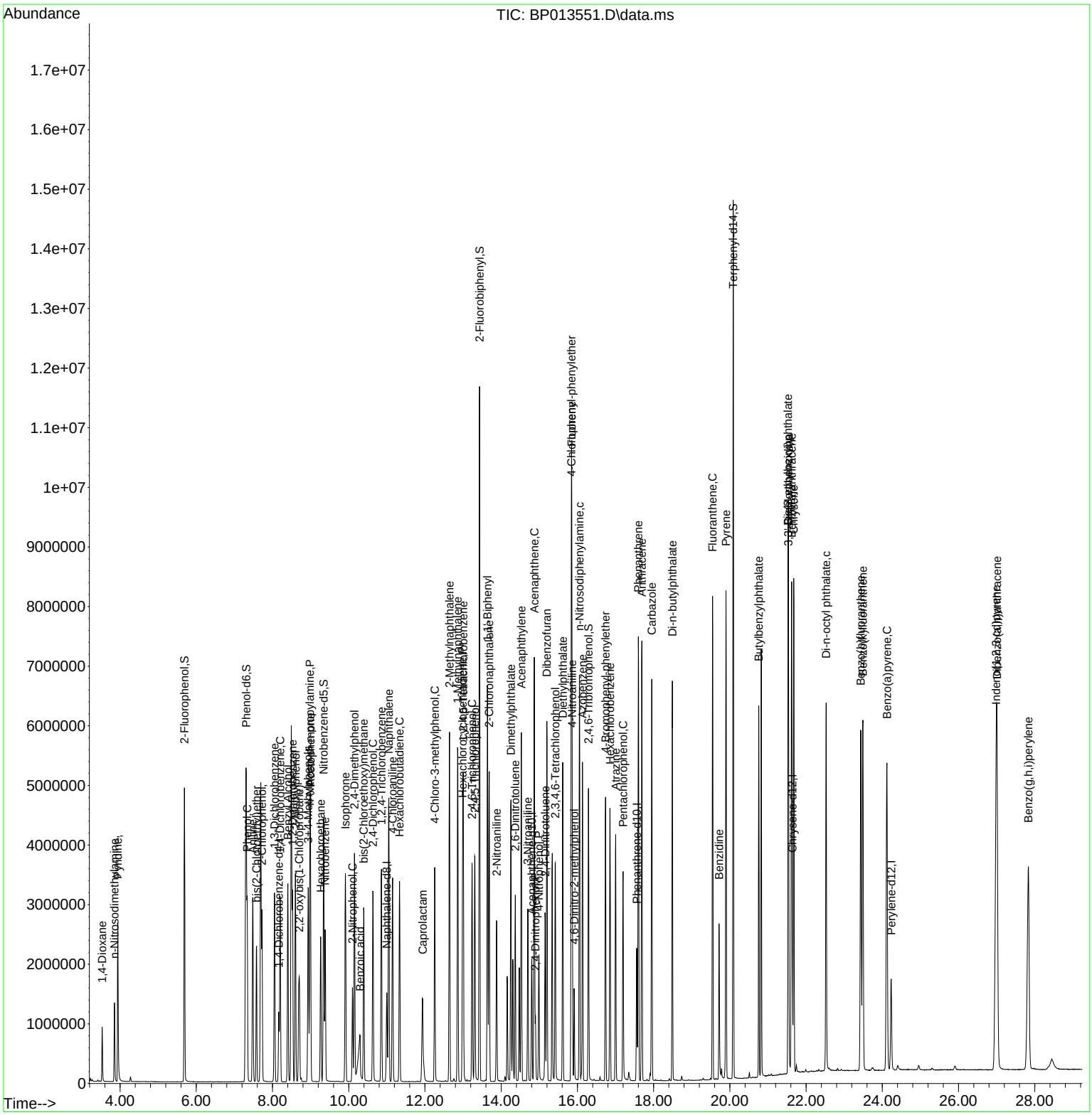
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013551.D
Acq On : 23 Jan 2023 14:51
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

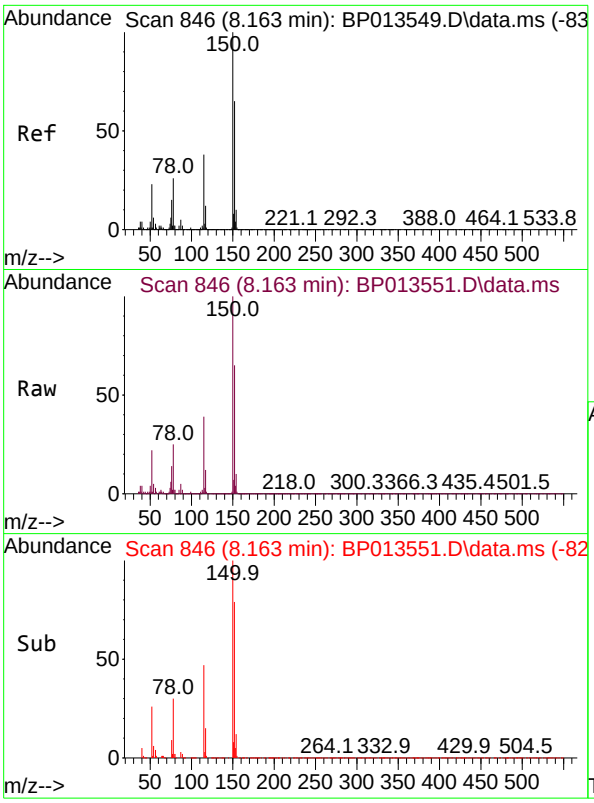
Quant Time: Jan 24 03:06:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

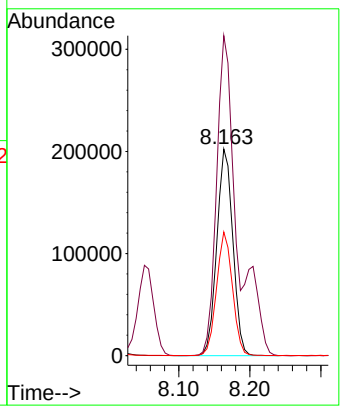




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.163 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:152 Resp: 31815

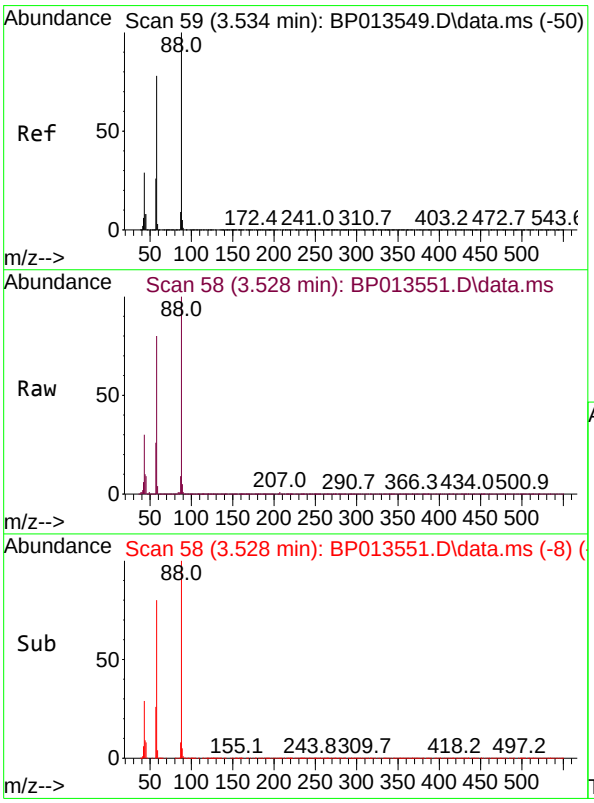
Ion	Ratio	Lower	Upper
152	100		
150	154.8	122.4	183.6
115	59.8	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

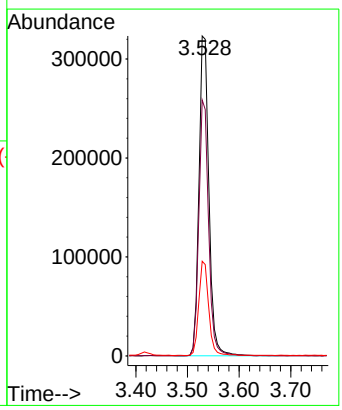
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

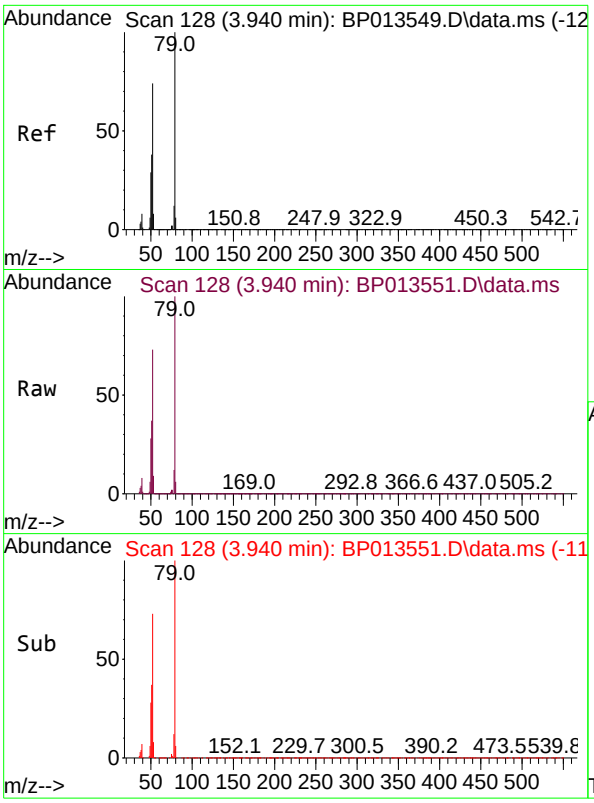


#2
1,4-Dioxane
Concen: 57.474 ng
RT: 3.528 min Scan# 58
Delta R.T. -0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion: 88 Resp: 430243

Ion	Ratio	Lower	Upper
88	100		
58	78.9	63.6	95.4
43	29.5	24.2	36.2

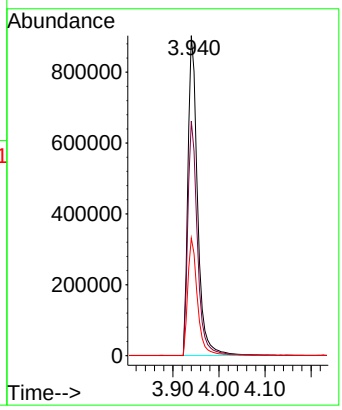




#3
Pyridine
Concen: 59.679 ng
RT: 3.940 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion: 79 Resp: 132224

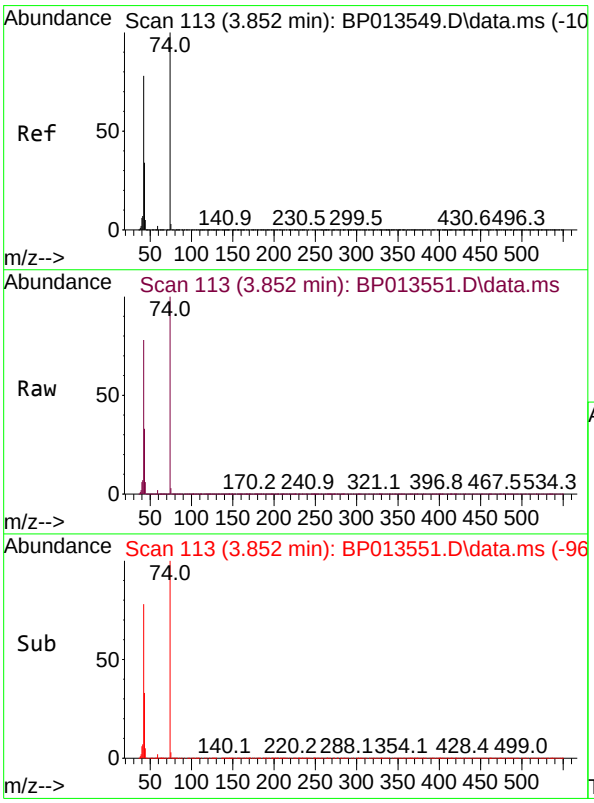
Ion	Ratio	Lower	Upper
79	100		
52	73.3	59.4	89.2
51	36.8	30.6	45.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

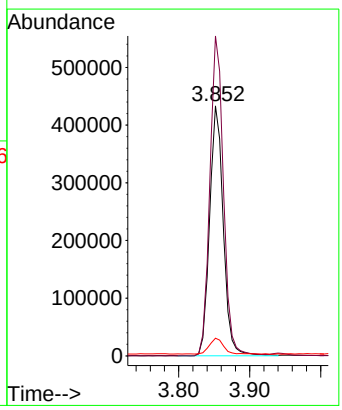
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

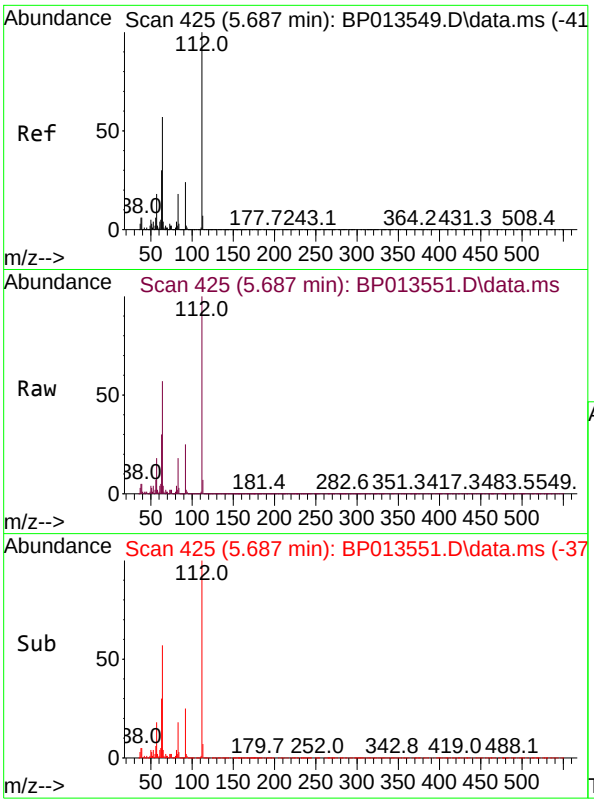


#4
n-Nitrosodimethylamine
Concen: 57.664 ng
RT: 3.852 min Scan# 113
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion: 42 Resp: 579386

Ion	Ratio	Lower	Upper
42	100		
74	128.0	102.3	153.5
44	7.0	6.2	9.2

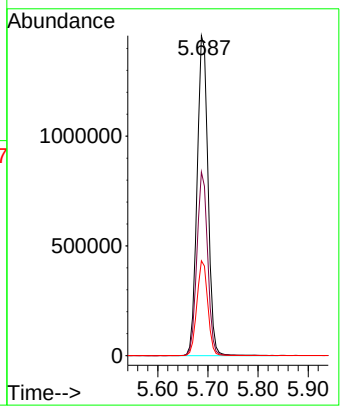




#5
2-Fluorophenol
Concen: 118.492 ng
RT: 5.687 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:112 Resp: 220029

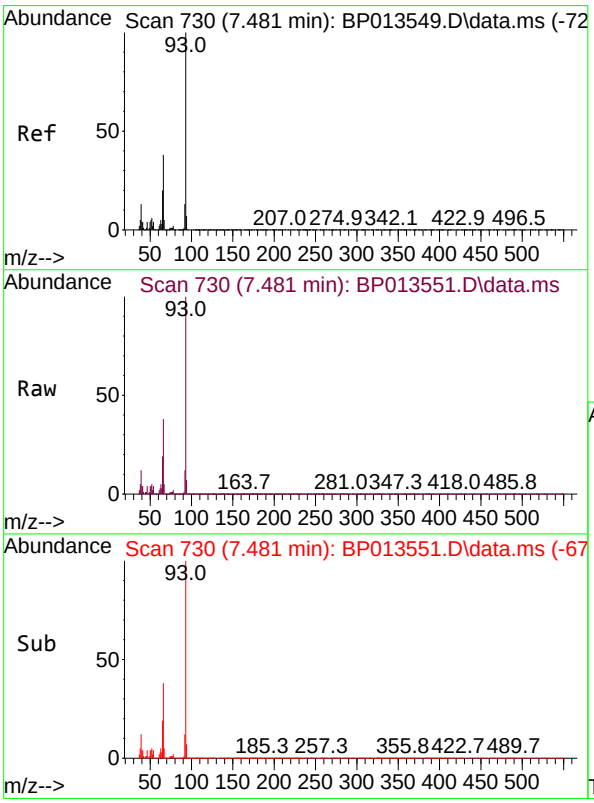
Ion	Ratio	Lower	Upper
112	100		
64	57.4	45.4	68.0
63	29.7	24.1	36.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

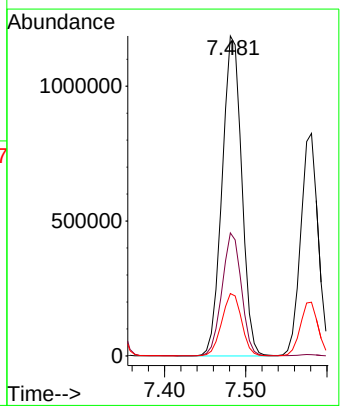
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

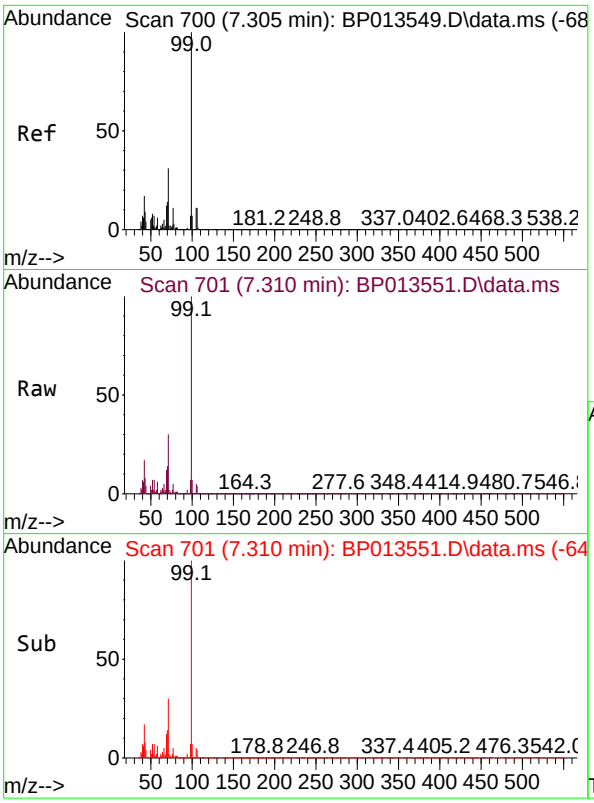


#6
Aniline
Concen: 59.120 ng
RT: 7.481 min Scan# 730
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion: 93 Resp: 1984823

Ion	Ratio	Lower	Upper
93	100		
66	38.4	30.3	45.5
65	19.5	15.9	23.9

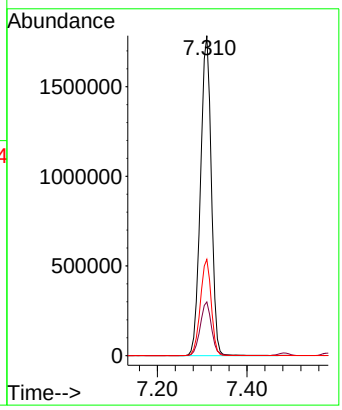




#7
Phenol-d6
Concen: 119.074 ng
RT: 7.310 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion: 99 Resp: 297586

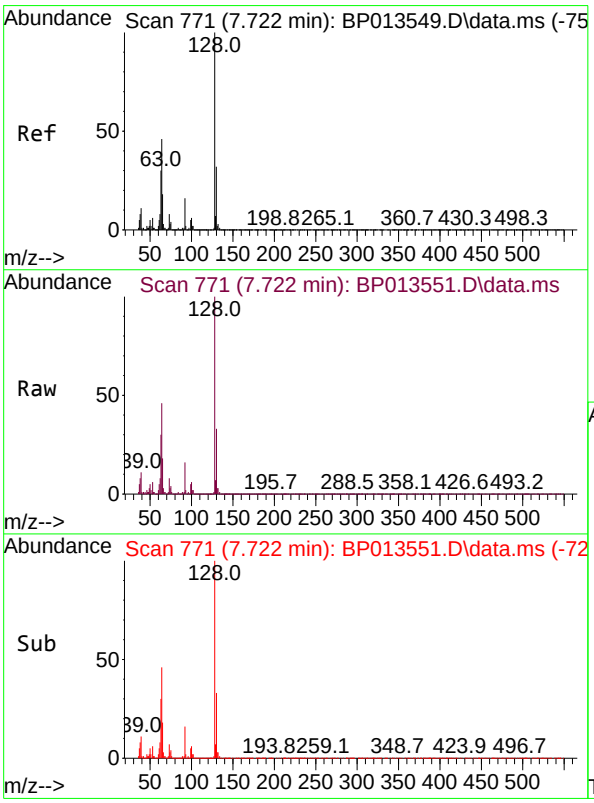
Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.0	21.0
71	30.1	24.7	37.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

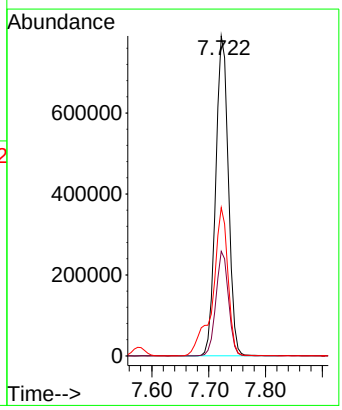
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

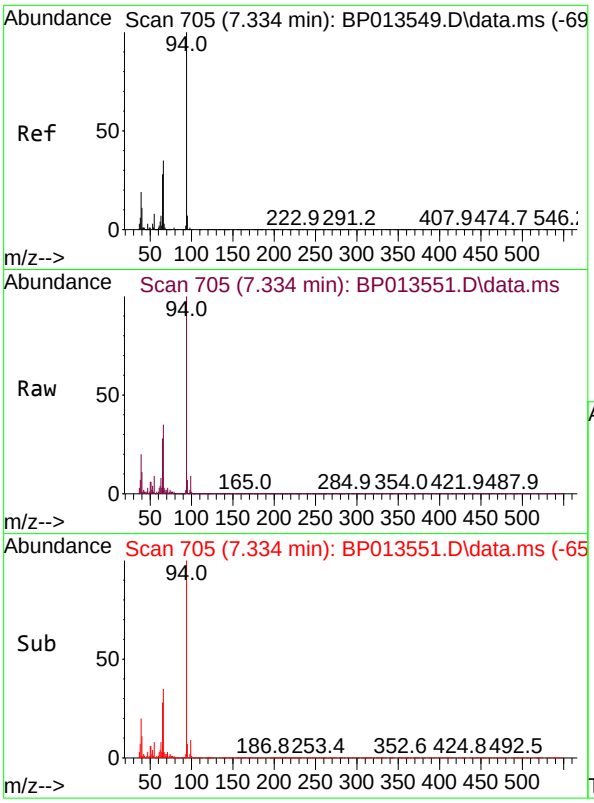


#8
2-Chlorophenol
Concen: 59.869 ng
RT: 7.722 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:128 Resp: 1226729

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.4	52.4
64	46.3	26.2	66.2

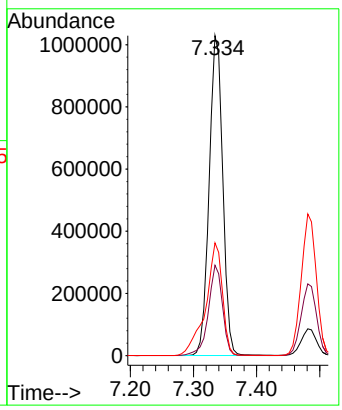




#10
Phenol
Concen: 59.547 ng
RT: 7.334 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion: 94 Resp: 154183

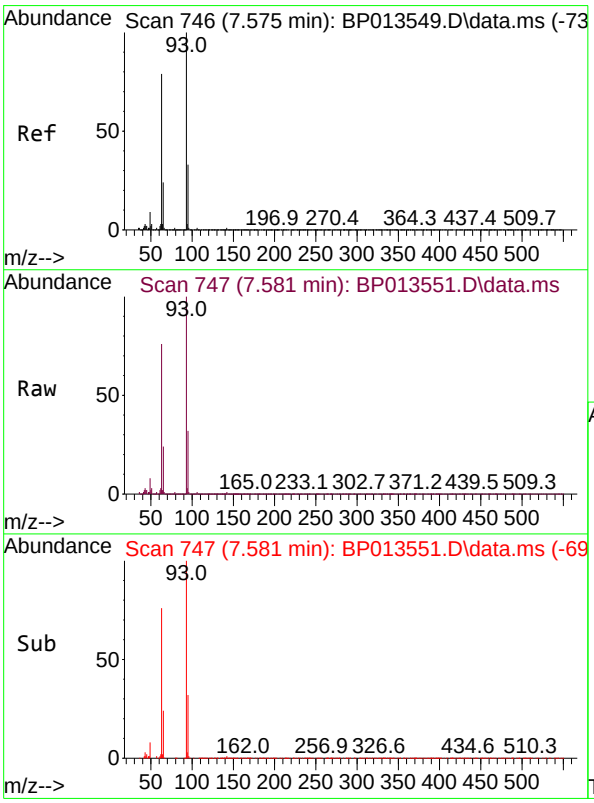
Ion	Ratio	Lower	Upper
94	100		
65	28.2	7.8	47.8
66	35.2	15.5	55.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

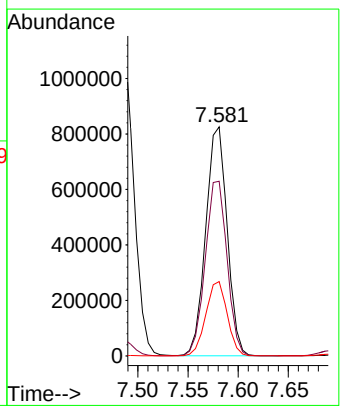
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

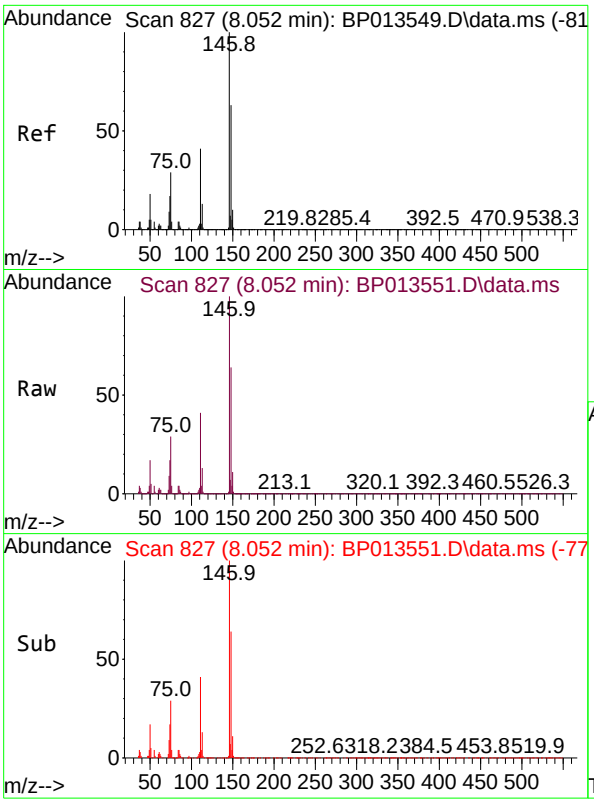


#11
bis(2-Chloroethyl)ether
Concen: 57.937 ng
RT: 7.581 min Scan# 747
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion: 93 Resp: 1226647

Ion	Ratio	Lower	Upper
93	100		
63	76.3	58.7	98.7
95	32.4	12.8	52.8





#12
1,3-Dichlorobenzene
Concen: 57.860 ng
RT: 8.052 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

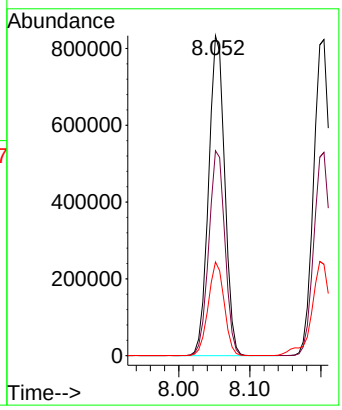
Tgt Ion:146 Resp: 131109

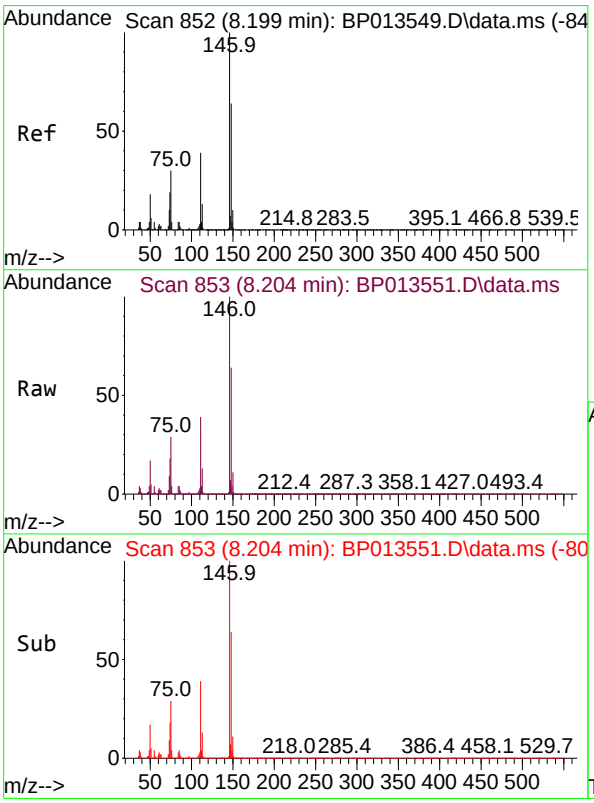
Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.7	76.1
75	29.3	23.4	35.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

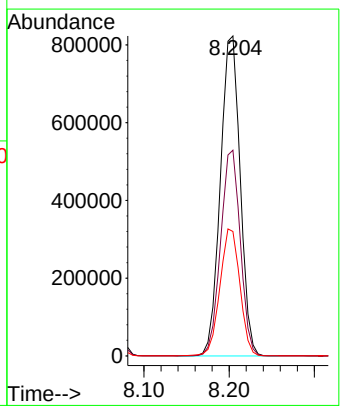


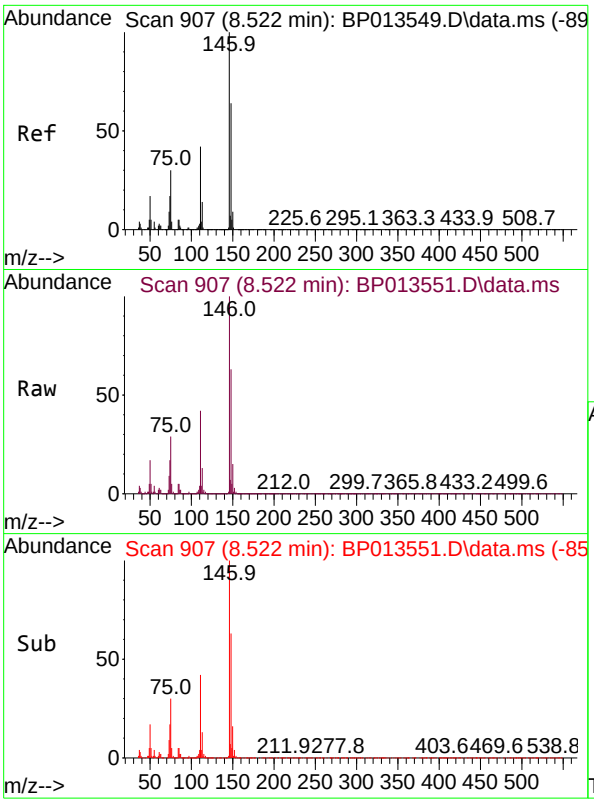


#13
1,4-Dichlorobenzene
Concen: 57.755 ng
RT: 8.204 min Scan# 853
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:146 Resp: 1327000

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.0
111	38.9	31.4	47.2

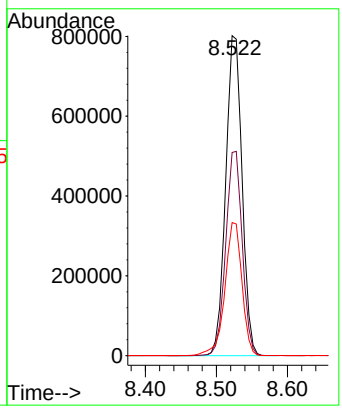




#14
1,2-Dichlorobenzene
Concen: 57.704 ng
RT: 8.522 min Scan# 90
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:146 Resp: 128378

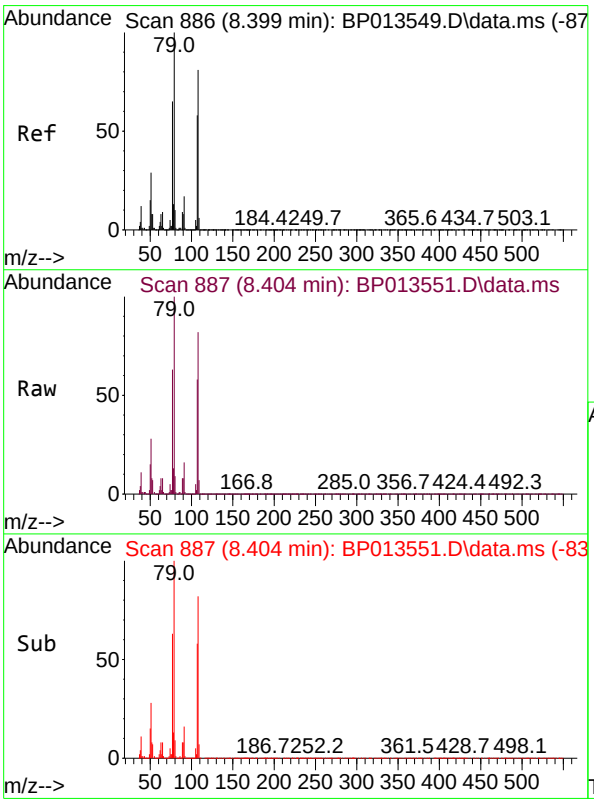
Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	41.6	33.4	50.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

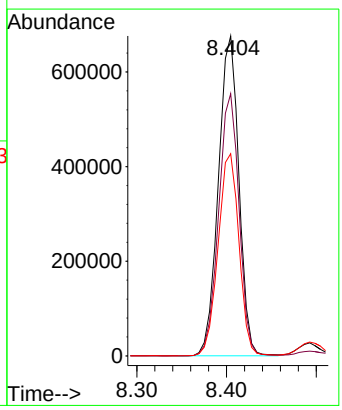
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

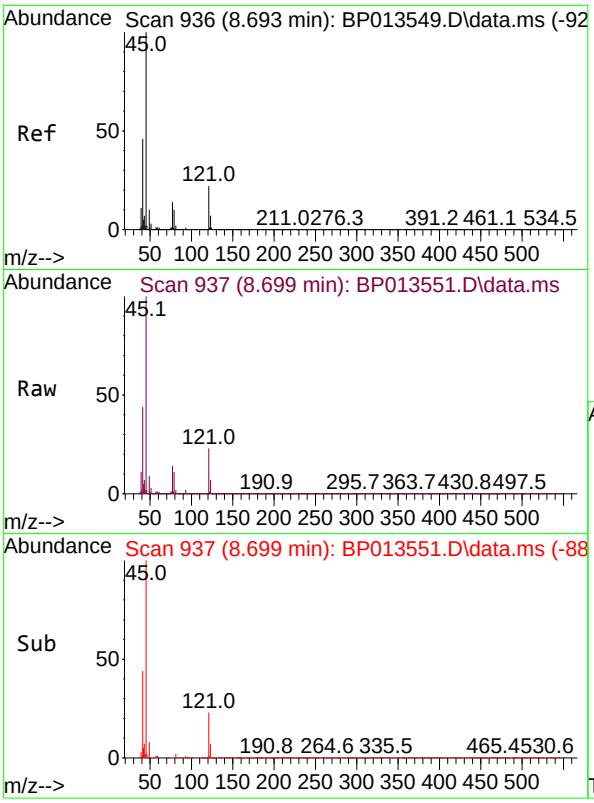


#15
Benzyl Alcohol
Concen: 60.216 ng
RT: 8.404 min Scan# 887
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion: 79 Resp: 1075212

Ion	Ratio	Lower	Upper
79	100		
108	81.9	65.2	97.8
77	63.2	52.3	78.5

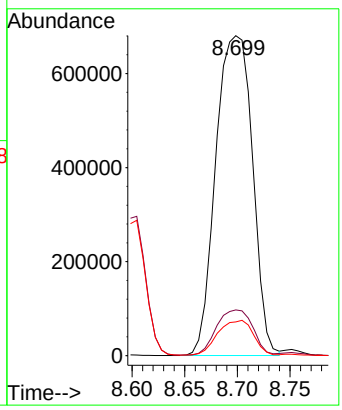




#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.854 ng m
RT: 8.699 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion: 45 Resp: 165044

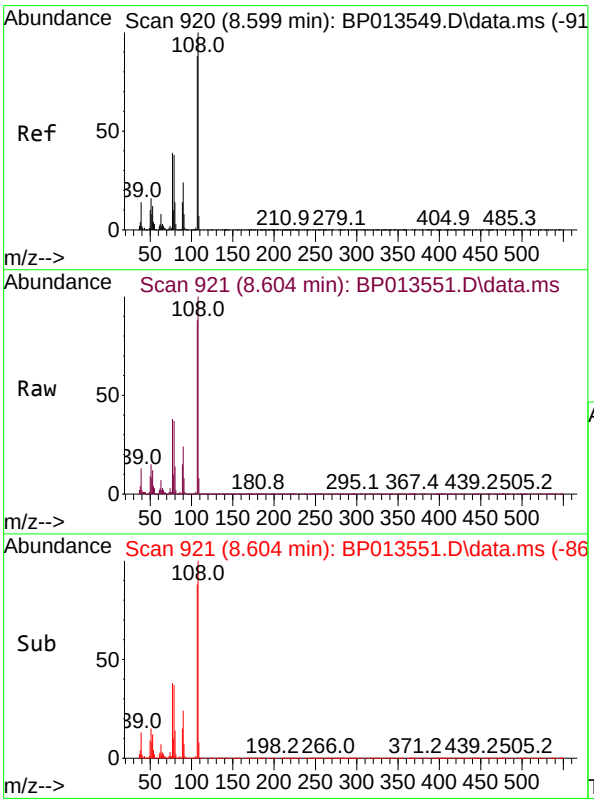
Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	34.2
79	10.5	0.0	30.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

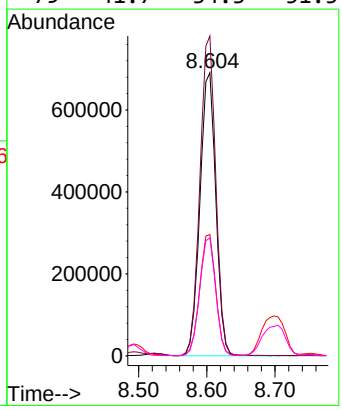
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

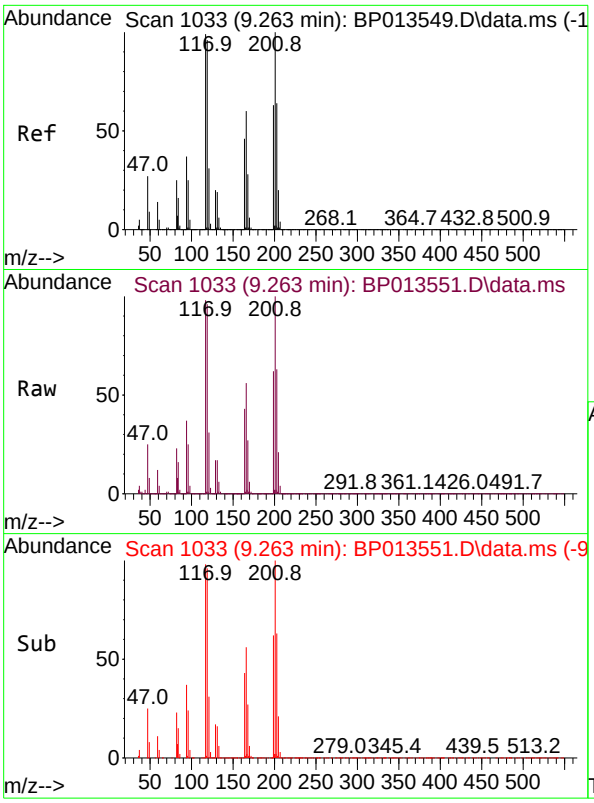


#17
2-Methylphenol
Concen: 59.454 ng
RT: 8.604 min Scan# 921
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:107 Resp: 1118016

Ion	Ratio	Lower	Upper
107	100		
108	113.0	90.5	135.7
77	42.9	35.4	53.2
79	41.7	34.3	51.5

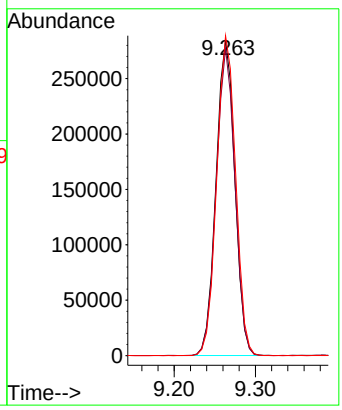




#18
Hexachloroethane
Concen: 59.637 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:117 Resp: 45800

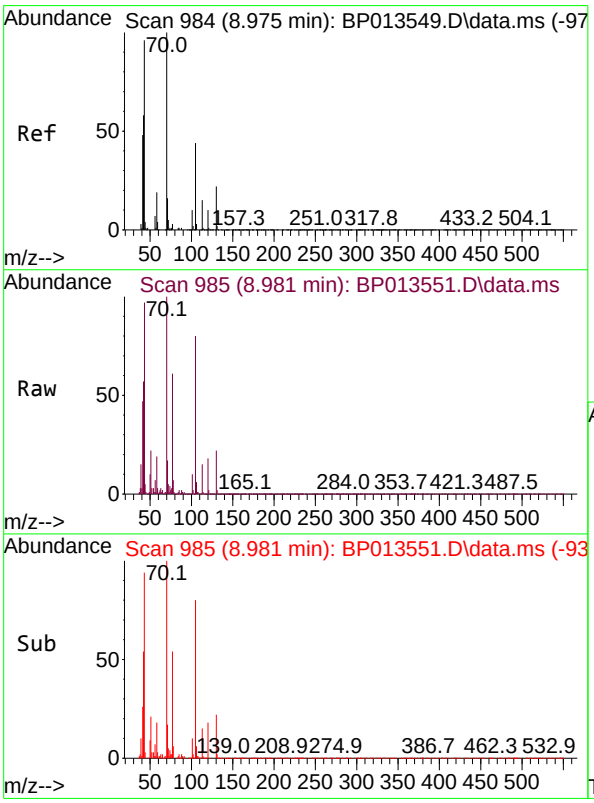
Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.0	115.6
201	101.6	80.6	120.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

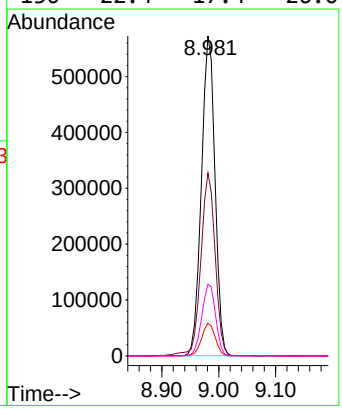
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

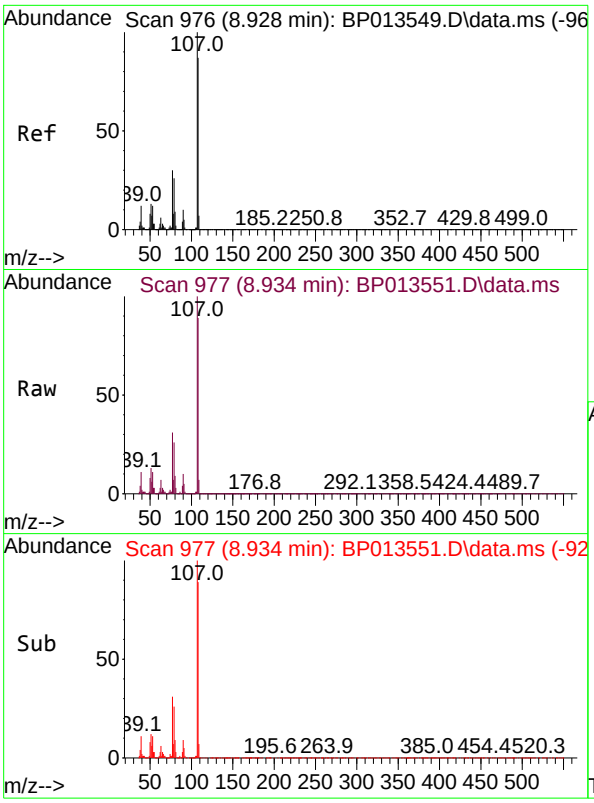


#19
n-Nitroso-di-n-propylamine
Concen: 59.183 ng
RT: 8.981 min Scan# 985
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion: 70 Resp: 952666

Ion	Ratio	Lower	Upper
70	100		
42	57.1	47.2	70.8
101	10.2	8.0	12.0
130	22.4	17.4	26.0

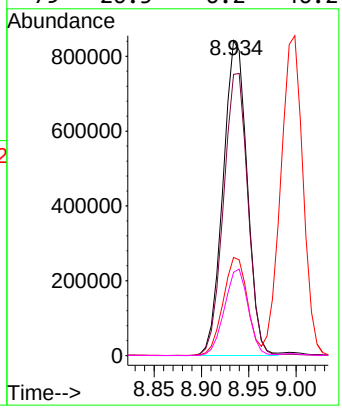




#20
3+4-Methylphenols
Concen: 60.205 ng
RT: 8.934 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:107 Resp: 149017

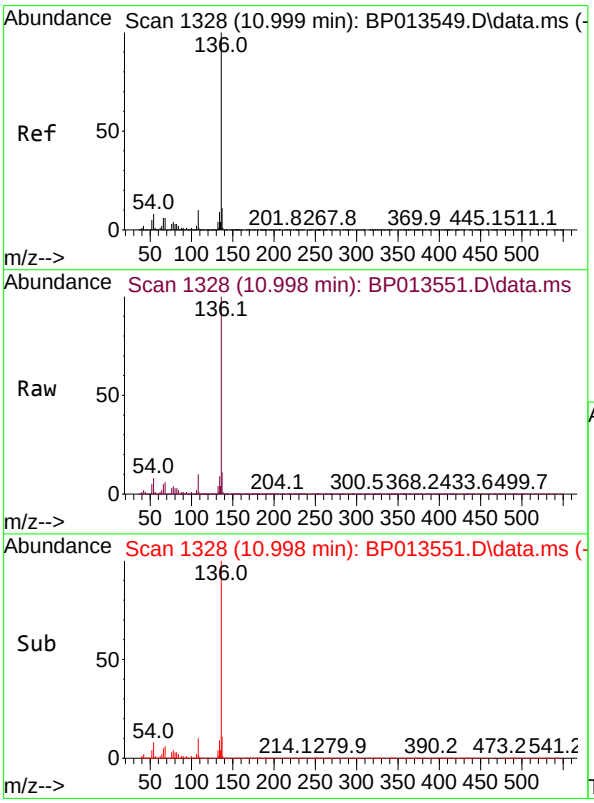
Ion	Ratio	Lower	Upper
107	100		
108	89.3	67.5	107.5
77	31.1	10.5	50.5
79	26.5	6.2	46.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

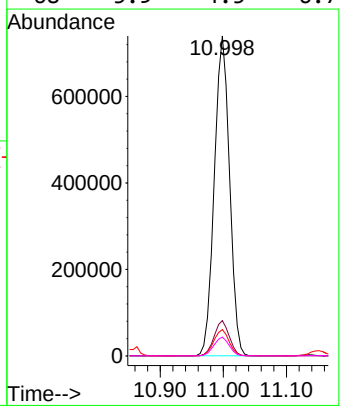
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

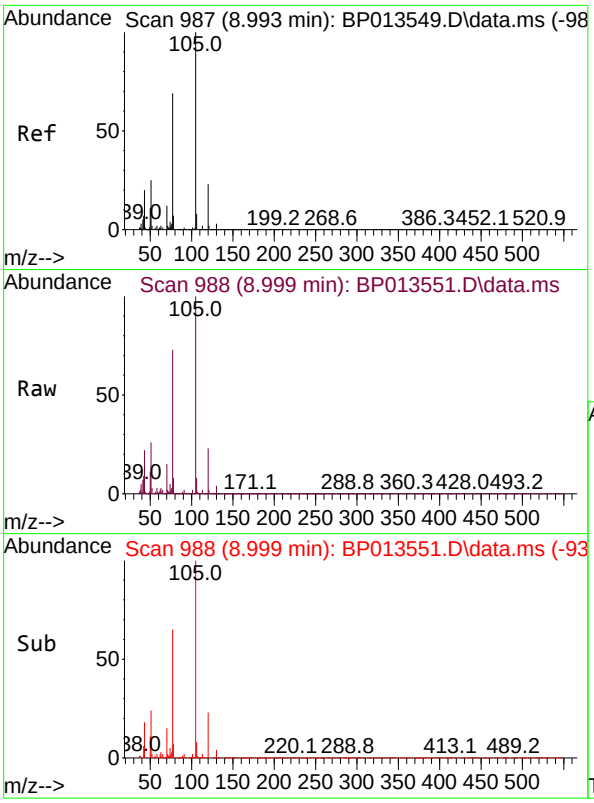


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.998 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:136 Resp: 1240381

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.2	6.6	9.8
68	5.9	4.5	6.7

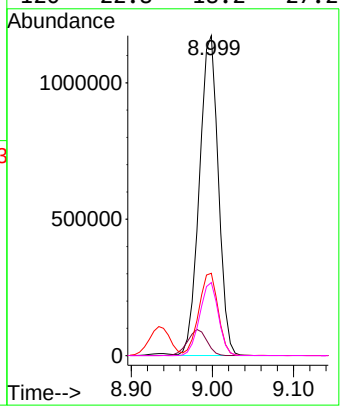




#22
Acetophenone
Concen: 59.695 ng
RT: 8.999 min Scan# 98
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:105 Resp: 189951

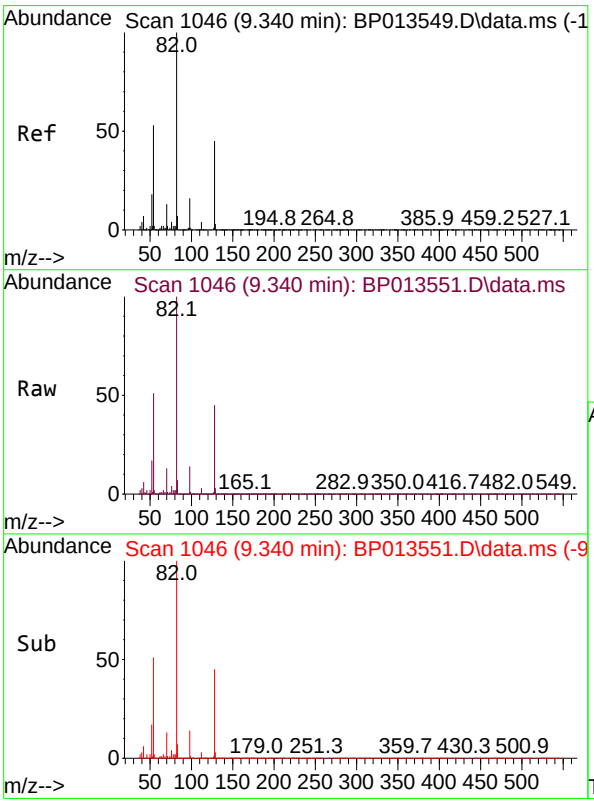
Ion	Ratio	Lower	Upper
105	100		
71	2.3	1.8	2.8
51	25.7	21.1	31.7
120	22.8	18.2	27.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

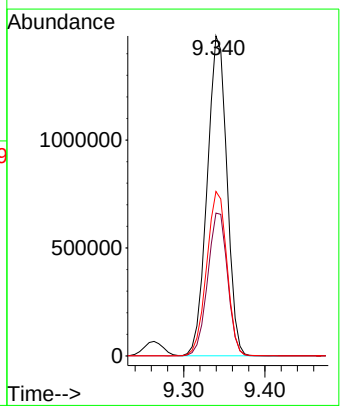
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

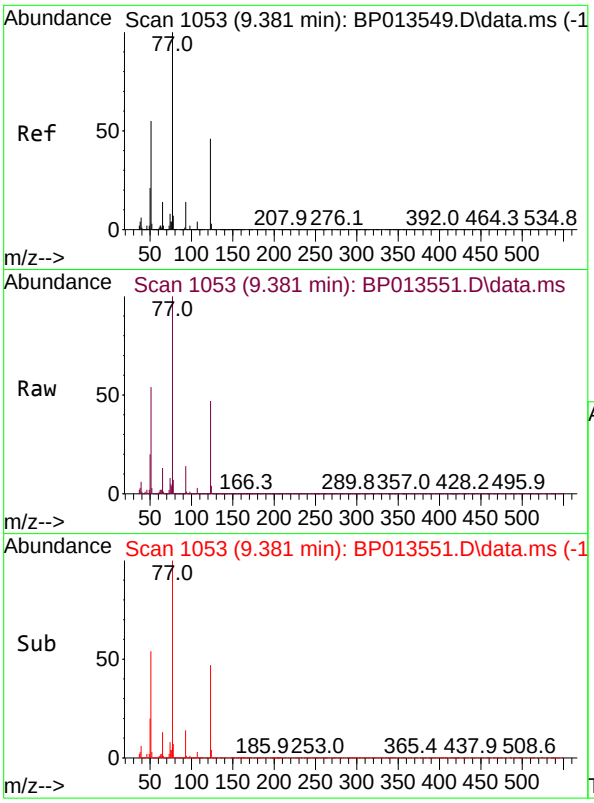


#23
Nitrobenzene-d5
Concen: 133.460 ng
RT: 9.340 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion: 82 Resp: 2507562

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.8	53.6
54	51.4	42.6	64.0

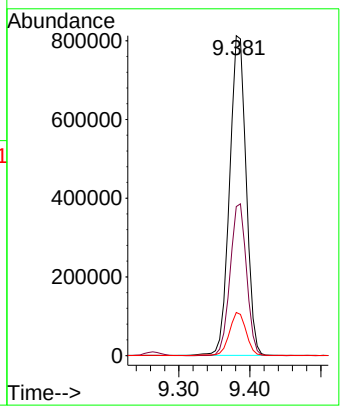




#24
Nitrobenzene
Concen: 65.015 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion: 77 Resp: 131343

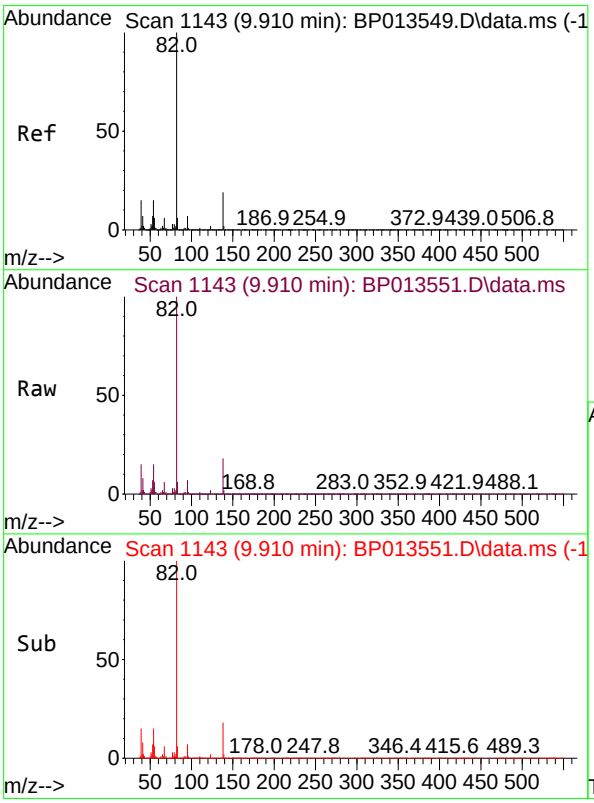
Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.2	55.8
65	13.5	11.1	16.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

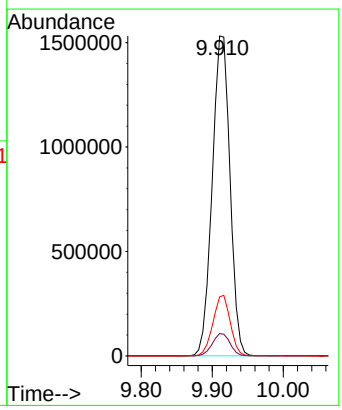
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

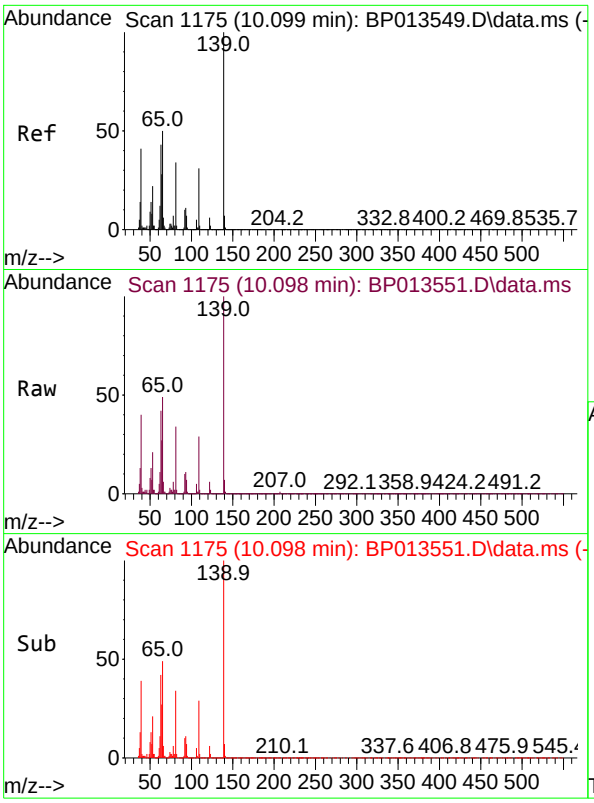


#25
Isophorone
Concen: 59.819 ng
RT: 9.910 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion: 82 Resp: 2665886

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.8
138	18.4	15.1	22.7





#26
2-Nitrophenol
Concen: 76.769 ng
RT: 10.098 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

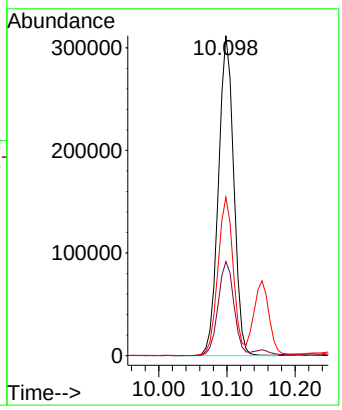
Tgt Ion:139 Resp: 48359

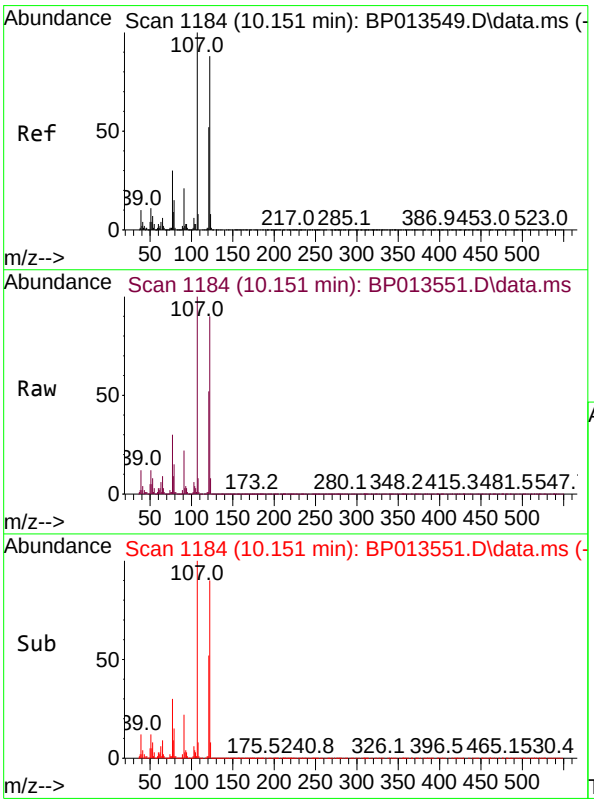
Ion	Ratio	Lower	Upper
139	100		
109	29.4	25.1	37.7
65	49.4	40.1	60.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

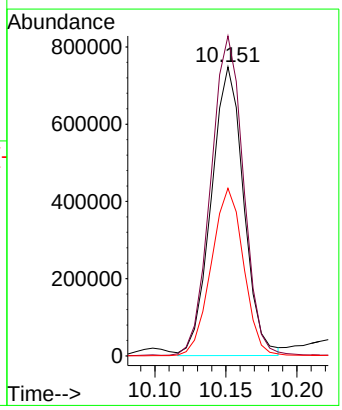


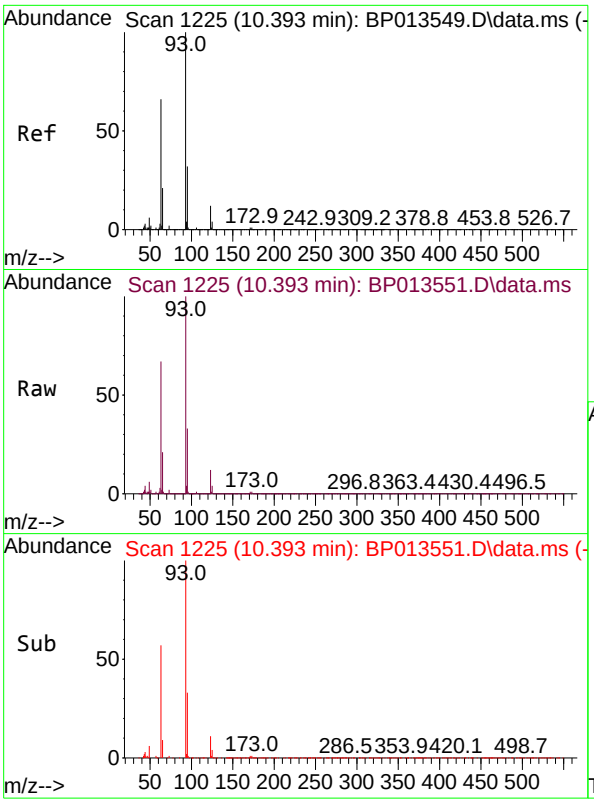


#27
2,4-Dimethylphenol
Concen: 60.351 ng
RT: 10.151 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:122 Resp: 1185634

Ion	Ratio	Lower	Upper
122	100		
107	110.7	90.7	136.1
121	58.0	47.0	70.4





#28
bis(2-Chloroethoxy)methane
Concen: 60.087 ng
RT: 10.393 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

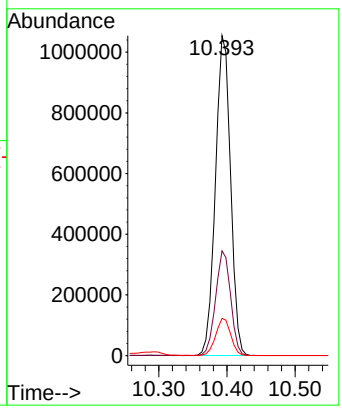
Tgt Ion: 93 Resp: 161372

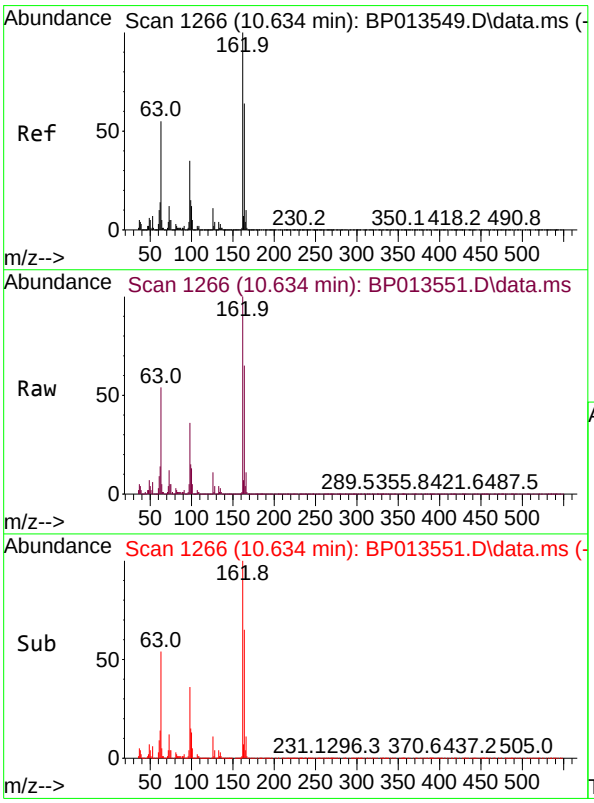
Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.8
123	11.6	9.4	14.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

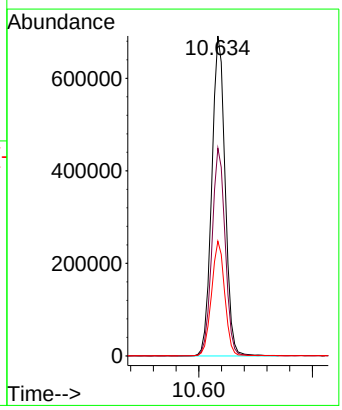


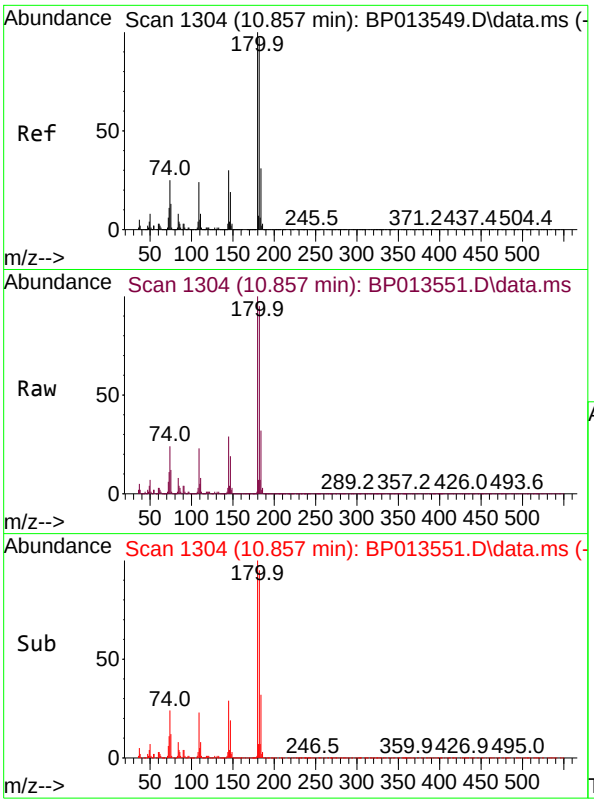


#29
2,4-Dichlorophenol
Concen: 63.738 ng
RT: 10.634 min Scan# 1266
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:162 Resp: 1127899

Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.3	84.3
98	35.8	15.3	55.3

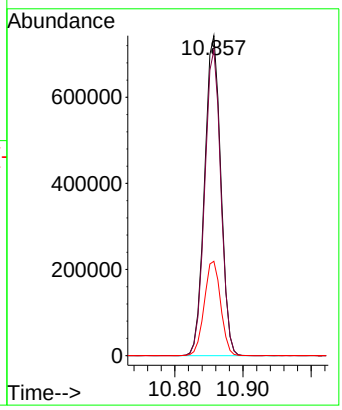




#30
1,2,4-Trichlorobenzene
Concen: 60.656 ng
RT: 10.857 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:180 Resp: 122493

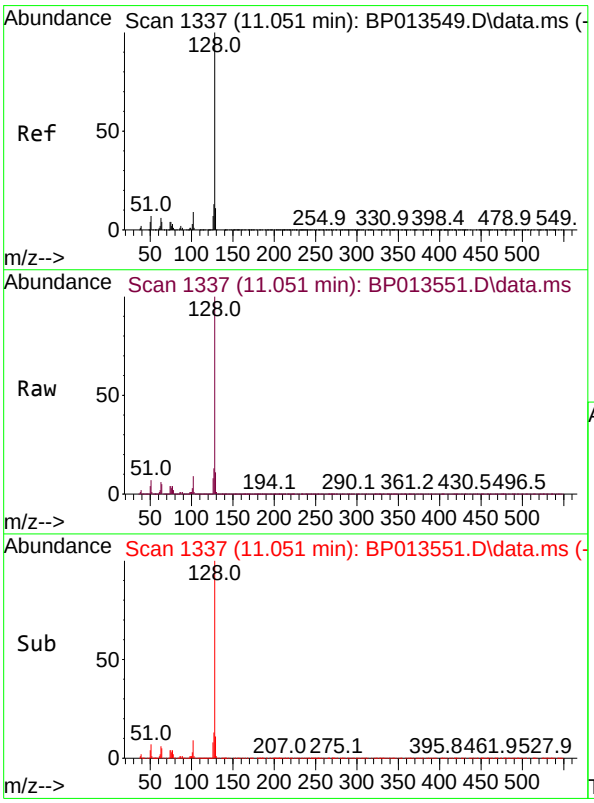
Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.9	116.9
145	29.5	24.0	36.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

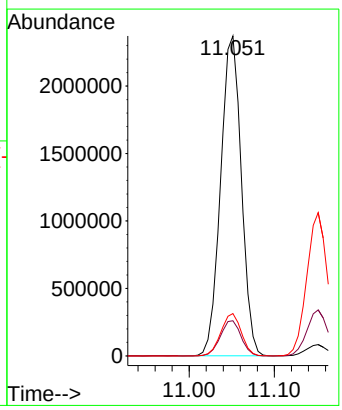
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

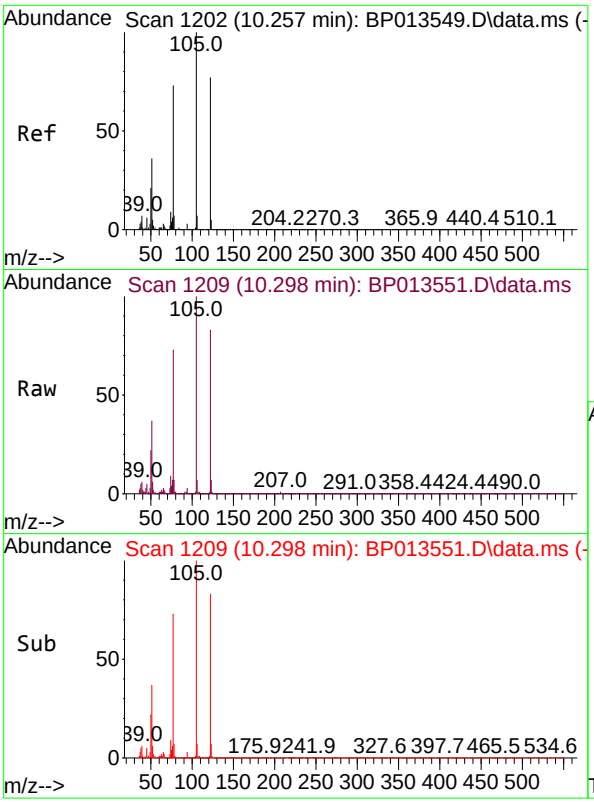


#31
Naphthalene
Concen: 59.984 ng
RT: 11.051 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:128 Resp: 3999959

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.5	12.7
127	13.2	10.6	16.0

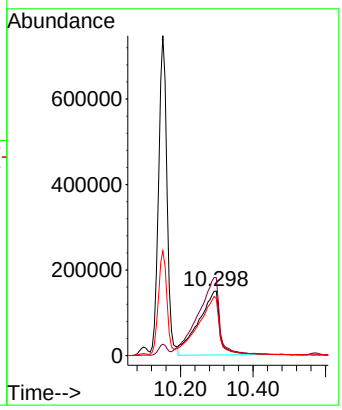




#32
Benzoic acid
Concen: 71.815 ng
RT: 10.298 min Scan# 1
Delta R.T. 0.041 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:122 Resp: 61663

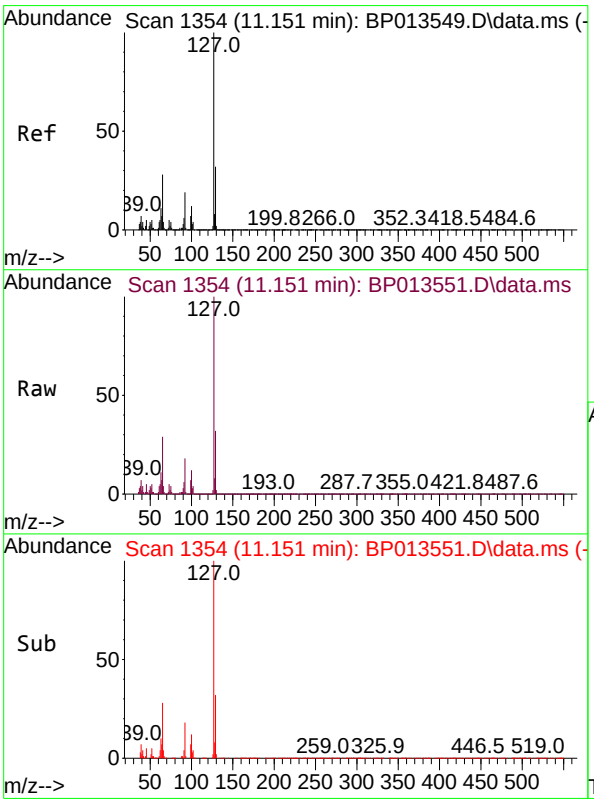
Ion	Ratio	Lower	Upper
122	100		
105	121.0	100.5	140.5
77	88.7	70.9	110.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

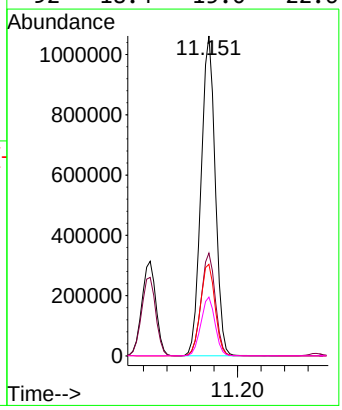
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

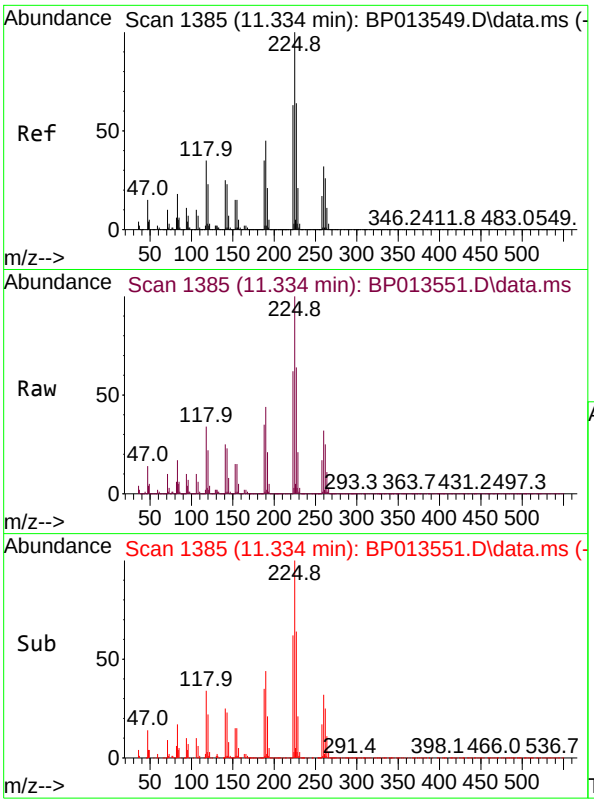


#33
4-Chloroaniline
Concen: 60.327 ng
RT: 11.151 min Scan# 1354
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:127 Resp: 1780014

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	28.6	22.7	34.1
92	18.4	15.0	22.6

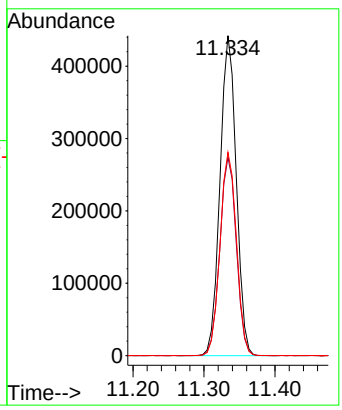




#34
Hexachlorobutadiene
Concen: 59.950 ng
RT: 11.334 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:225 Resp: 70452

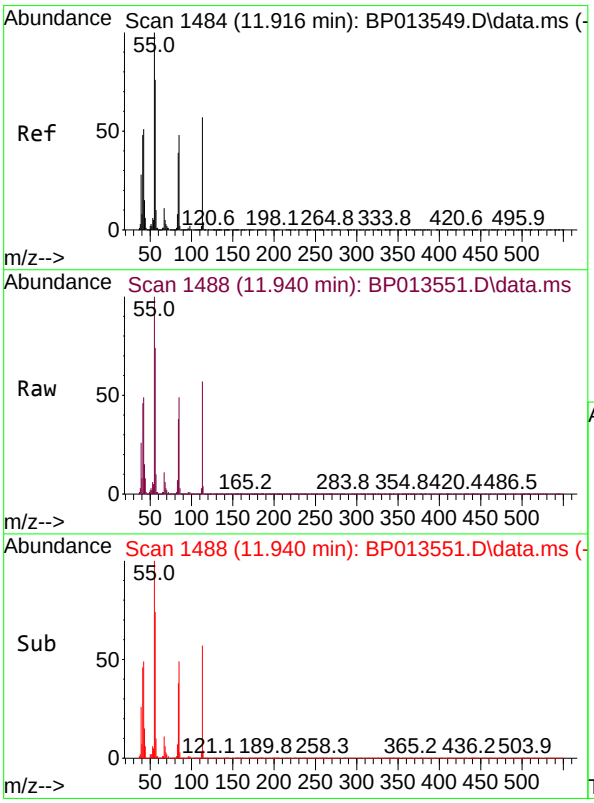
Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.2	75.2
227	63.5	51.4	77.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

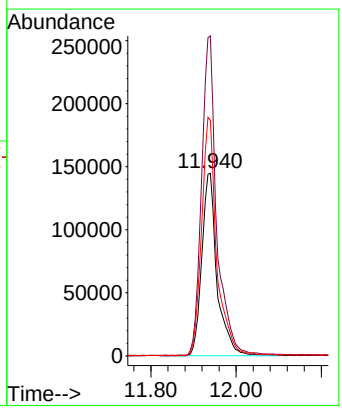
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

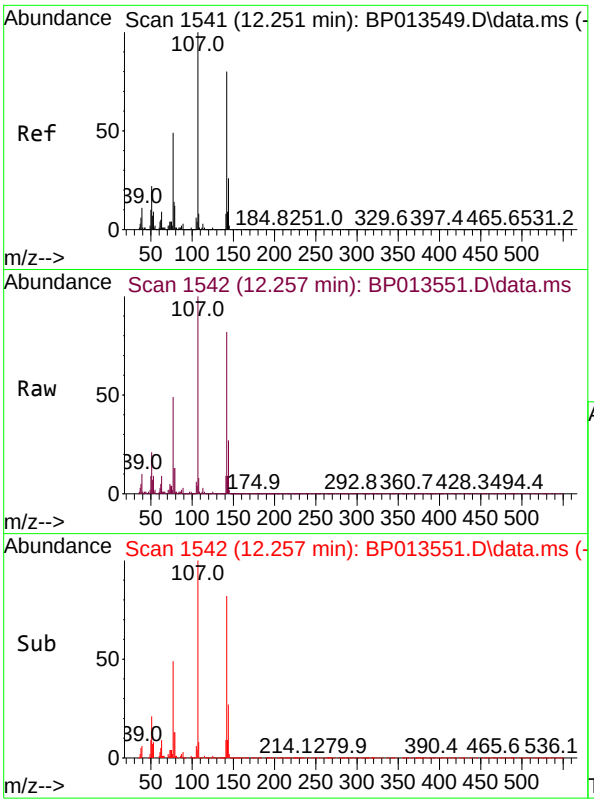


#35
Caprolactam
Concen: 62.825 ng
RT: 11.940 min Scan# 1488
Delta R.T. 0.023 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:113 Resp: 359111

Ion	Ratio	Lower	Upper
113	100		
55	175.1	156.5	196.5
56	128.9	113.5	153.5





#36
4-Chloro-3-methylphenol
Concen: 62.417 ng
RT: 12.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

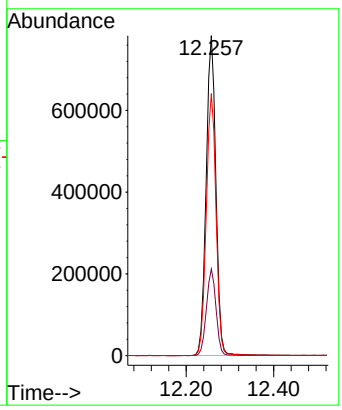
Tgt Ion:107 Resp: 120287

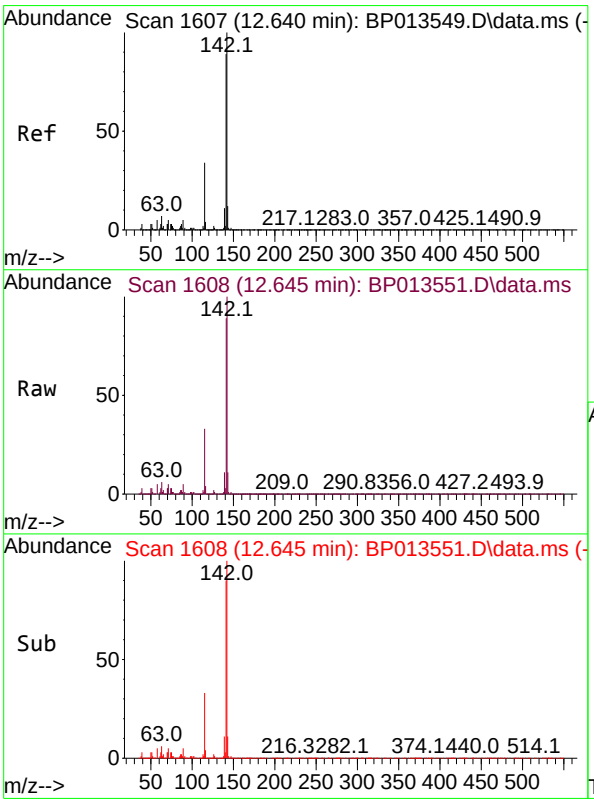
Ion	Ratio	Lower	Upper
107	100		
144	27.1	21.1	31.7
142	81.9	64.0	96.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

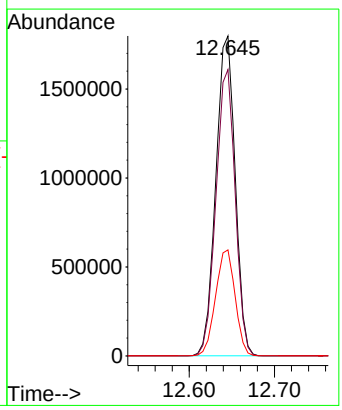


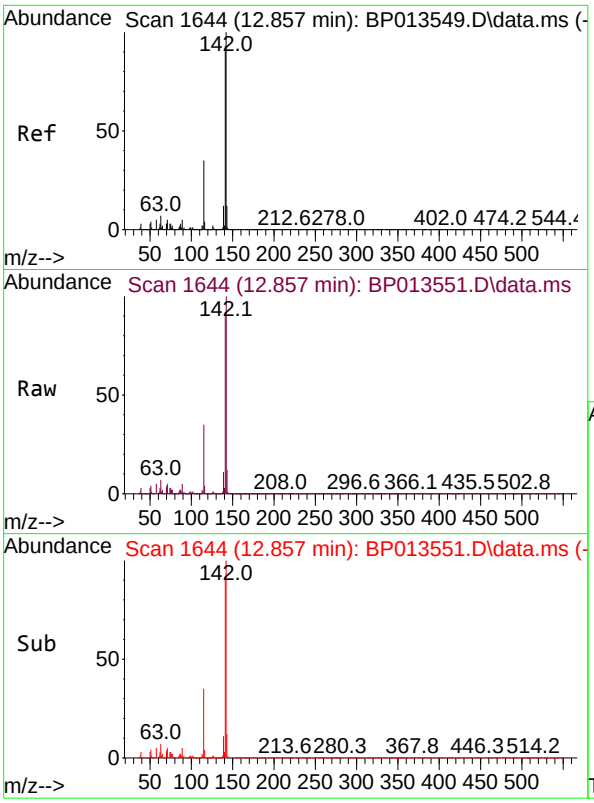


#37
2-Methylnaphthalene
Concen: 59.835 ng
RT: 12.645 min Scan# 1608
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:142 Resp: 2836128

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.4	107.2
115	33.1	27.4	41.2

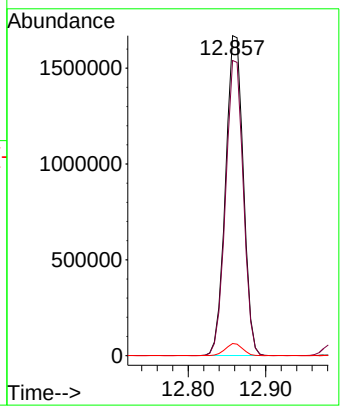




#38
1-Methylnaphthalene
Concen: 59.734 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:142 Resp: 266048

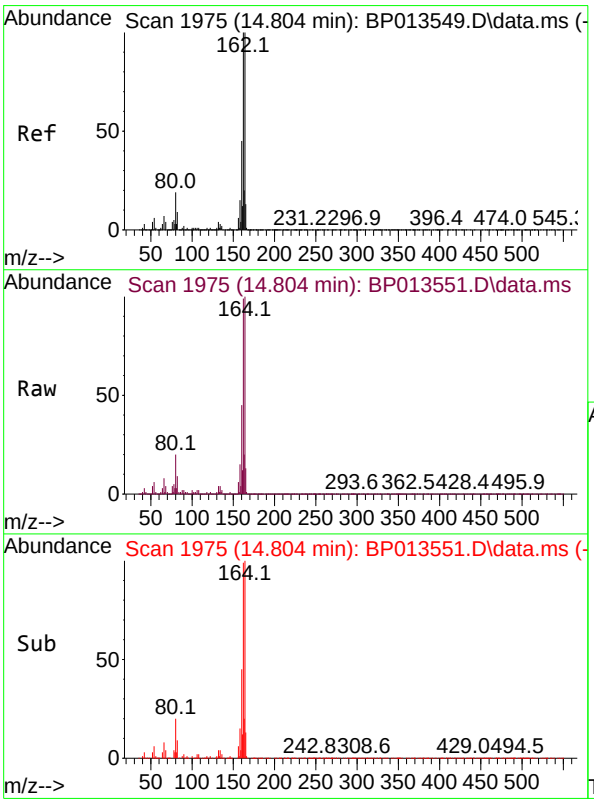
Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.3	111.5
116	3.8	3.0	4.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

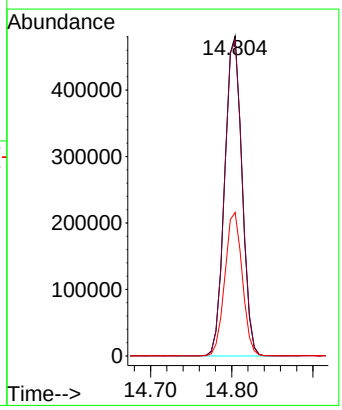
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

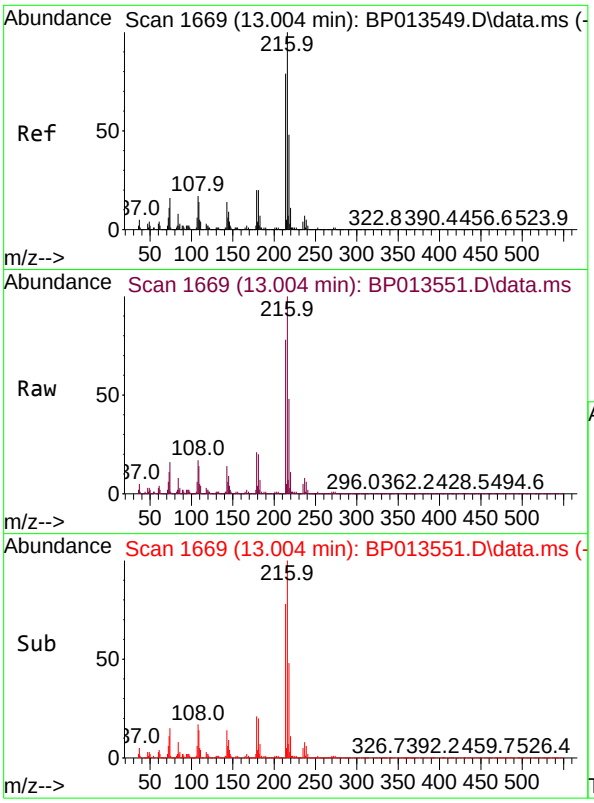


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.804 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:164 Resp: 709374

Ion	Ratio	Lower	Upper
164	100		
162	98.7	80.1	120.1
160	44.8	35.9	53.9

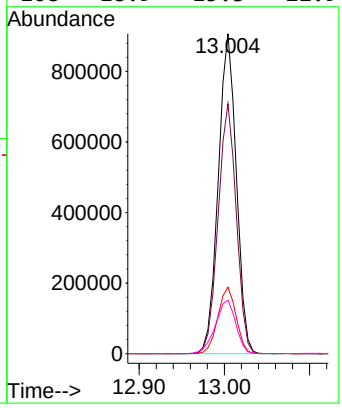




#40
1,2,4,5-Tetrachlorobenzene
Concen: 61.087 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:216 Resp: 133411

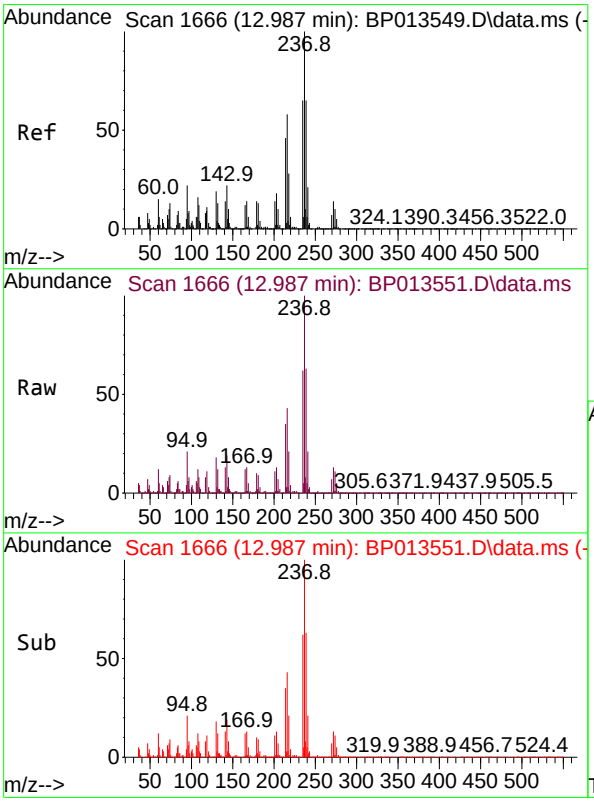
Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.9	94.3
179	21.0	16.6	24.8
108	18.9	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

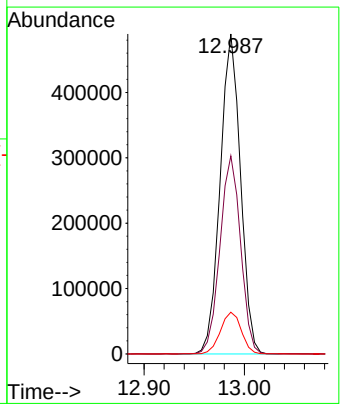
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

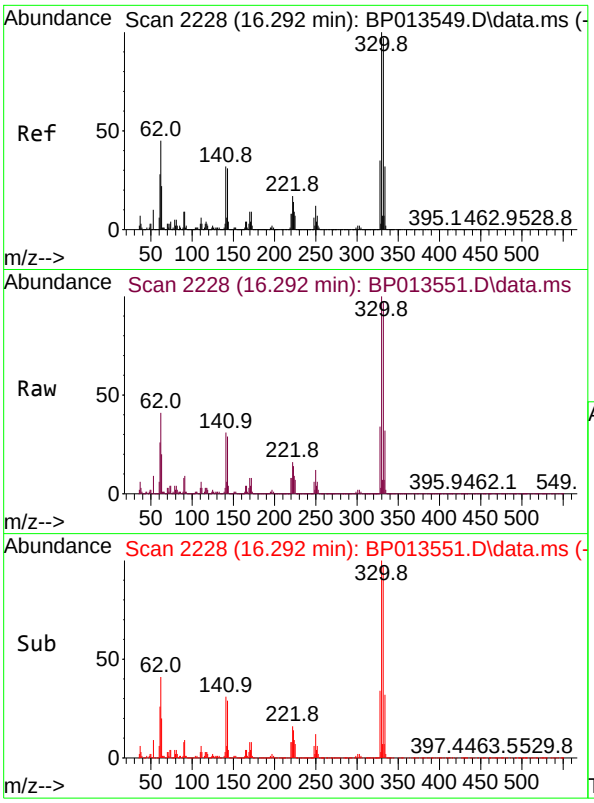


#41
Hexachlorocyclopentadiene
Concen: 67.200 ng
RT: 12.987 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:237 Resp: 690870

Ion	Ratio	Lower	Upper
237	100		
235	61.9	44.6	84.6
272	13.0	0.0	33.9

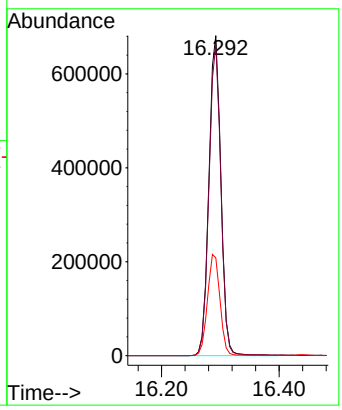




#42
2,4,6-Tribromophenol
Concen: 130.389 ng
RT: 16.292 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:330 Resp: 96434

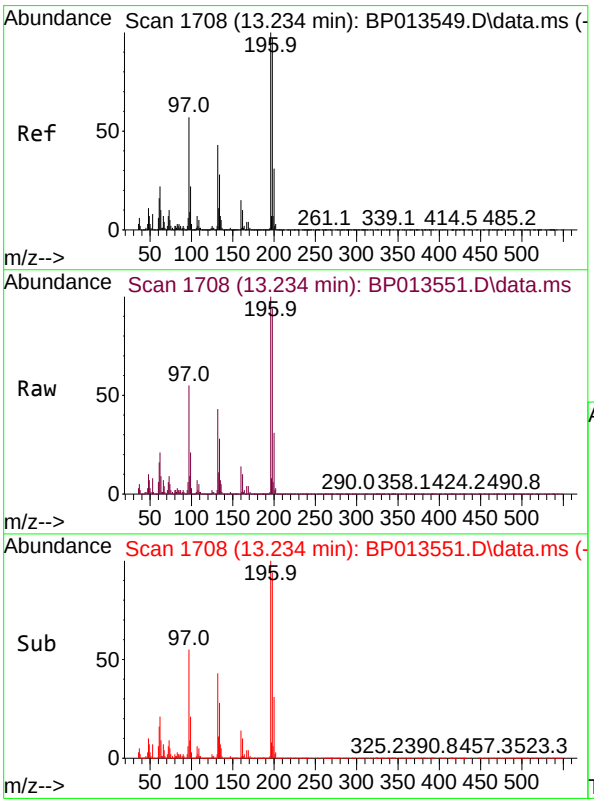
Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	33.1	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

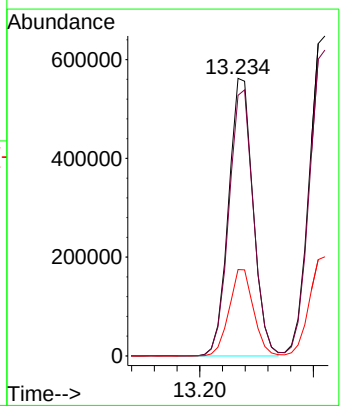
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

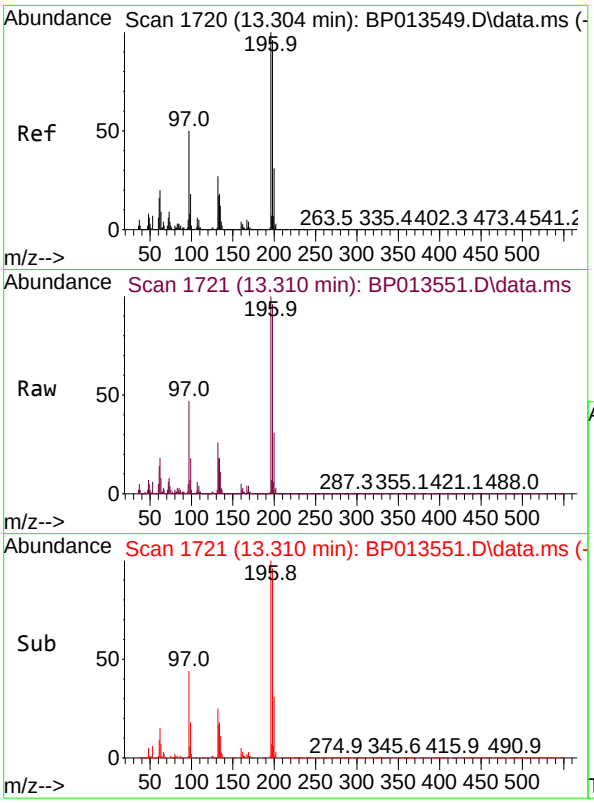


#43
2,4,6-Trichlorophenol
Concen: 65.942 ng
RT: 13.234 min Scan# 1708
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:196 Resp: 842879

Ion	Ratio	Lower	Upper
196	100		
198	93.9	77.3	115.9
200	31.1	24.6	36.8

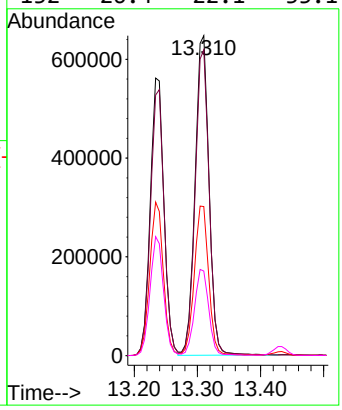




#44
2,4,5-Trichlorophenol
Concen: 65.839 ng
RT: 13.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:196 Resp: 99443

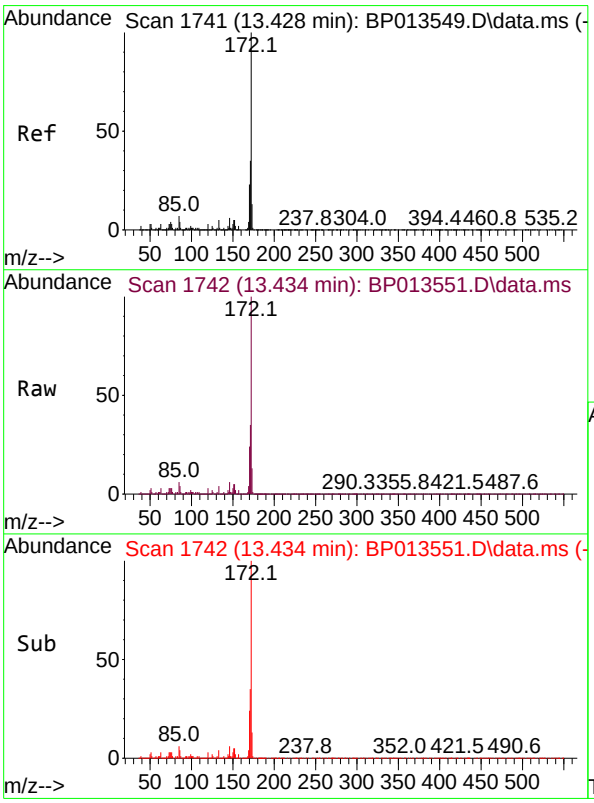
Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.7	115.1
97	46.6	40.0	60.0
132	26.4	22.1	33.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

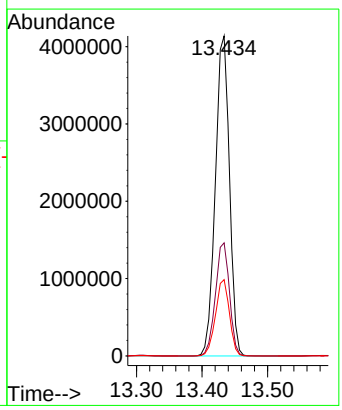
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

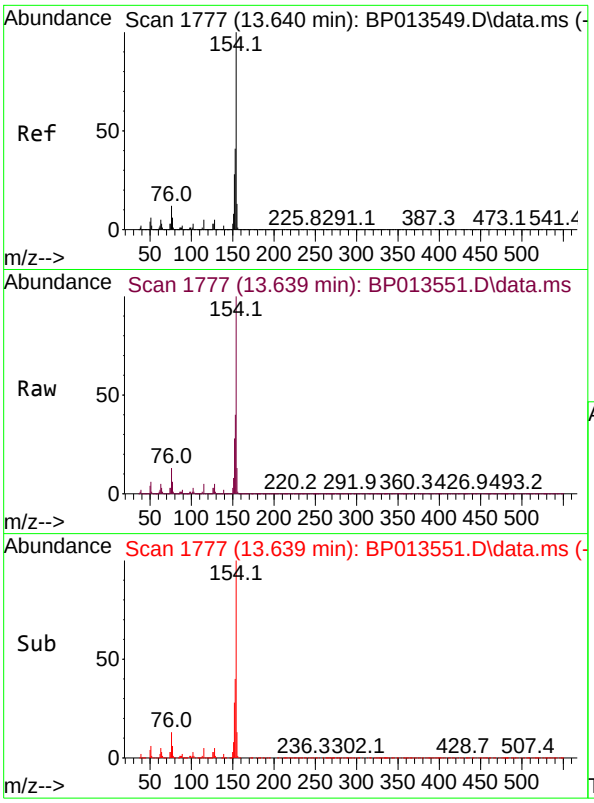


#45
2-Fluorobiphenyl
Concen: 119.720 ng
RT: 13.434 min Scan# 1742
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:172 Resp: 6186997

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.8	41.8
170	23.8	18.6	27.8

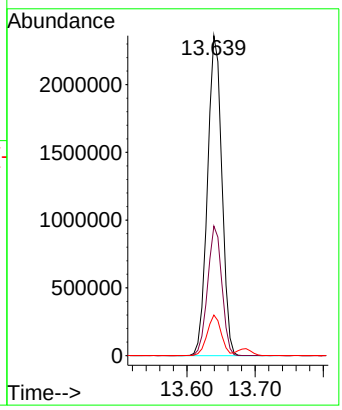




#46
1,1'-Biphenyl
Concen: 60.283 ng
RT: 13.639 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:154 Resp: 343434

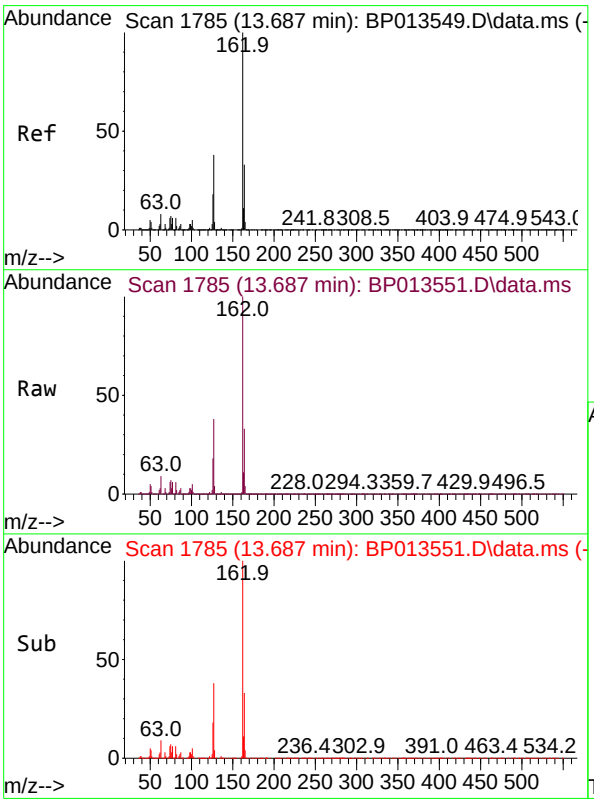
Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.5	60.5
76	12.7	0.0	32.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

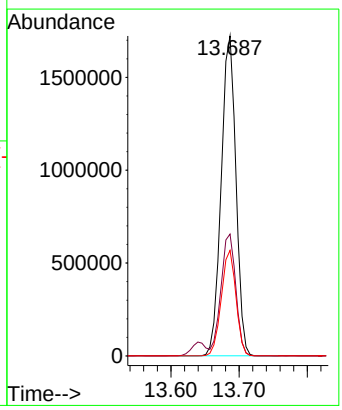
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

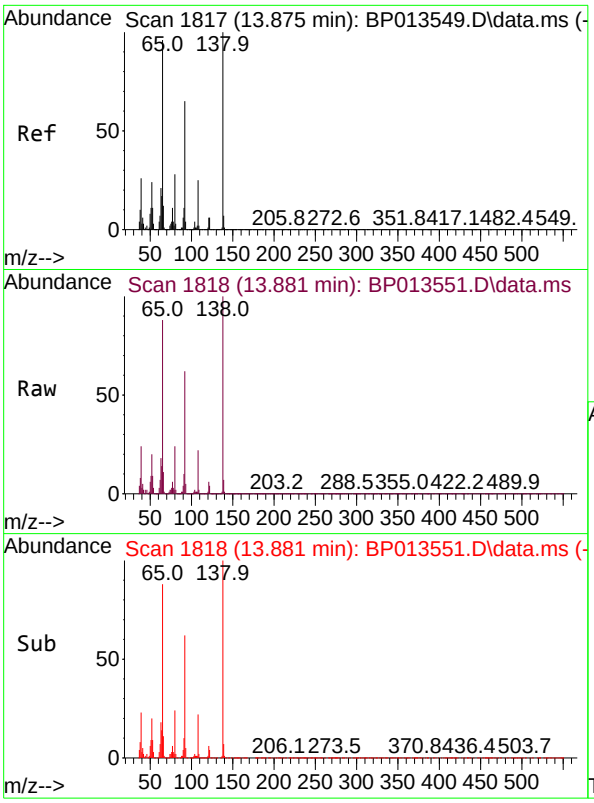


#47
2-Chloronaphthalene
Concen: 60.278 ng
RT: 13.687 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:162 Resp: 2572697

Ion	Ratio	Lower	Upper
162	100		
127	38.1	30.8	46.2
164	33.0	26.2	39.2





#48
2-Nitroaniline
Concen: 76.069 ng
RT: 13.881 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

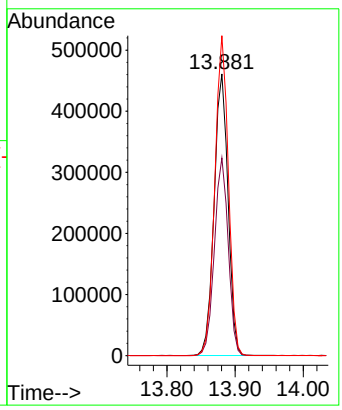
Tgt Ion: 65 Resp: 64960

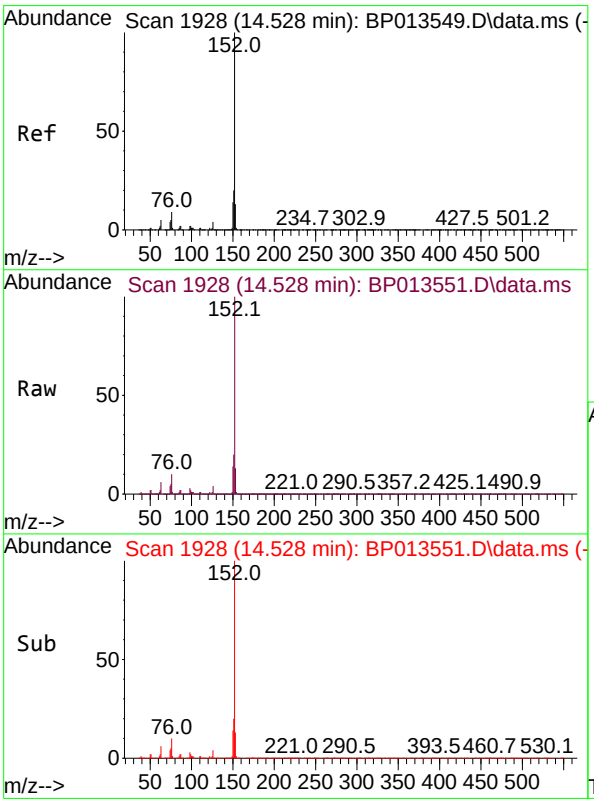
Ion	Ratio	Lower	Upper
65	100		
92	70.2	54.1	81.1
138	113.6	83.6	125.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

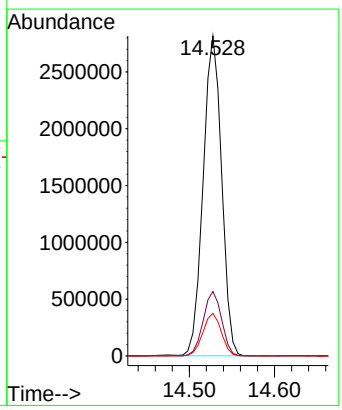


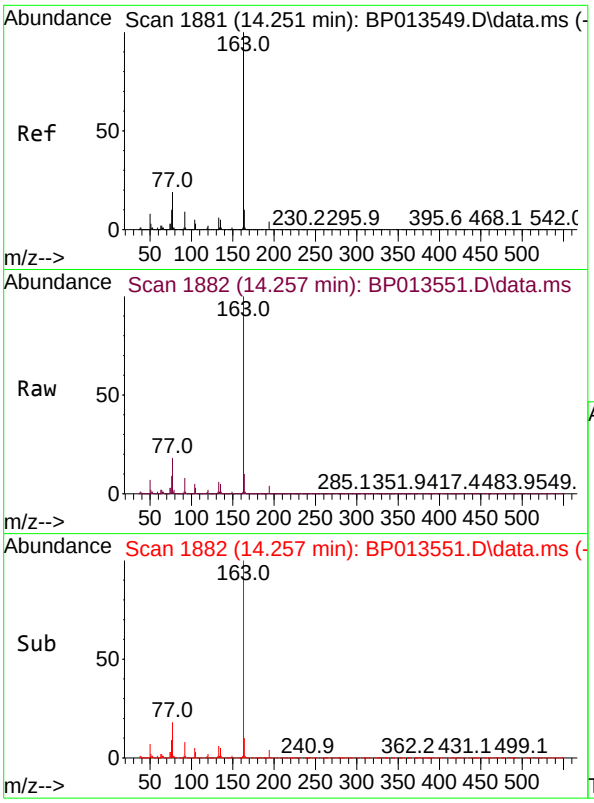


#49
Acenaphthylene
Concen: 60.633 ng
RT: 14.528 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:152 Resp: 4232084

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	13.3	10.1	15.1

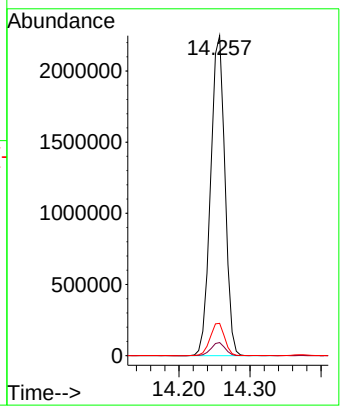




#50
Dimethylphthalate
Concen: 59.597 ng
RT: 14.257 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:163 Resp: 314262

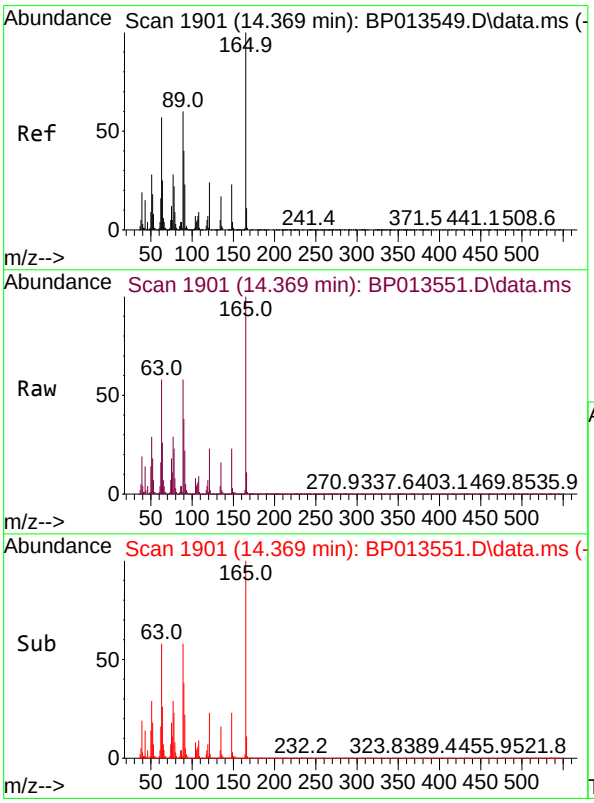
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.1	8.1	12.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

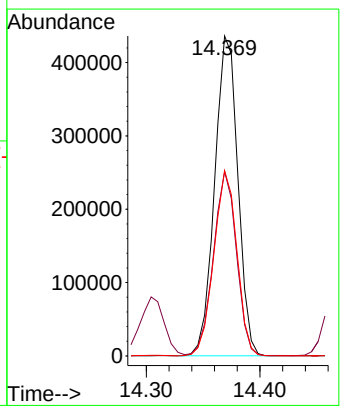
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

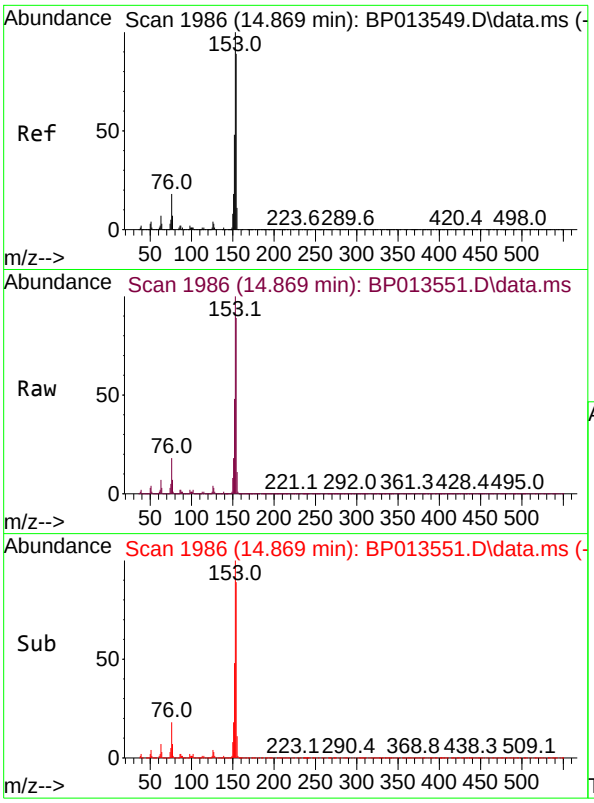


#51
2,6-Dinitrotoluene
Concen: 72.653 ng
RT: 14.369 min Scan# 1901
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:165 Resp: 618585

Ion	Ratio	Lower	Upper
165	100		
63	57.6	47.2	70.8
89	57.9	47.8	71.6

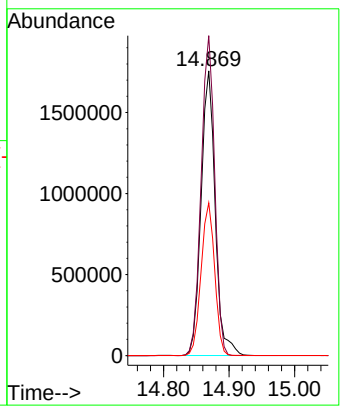




#52
Acenaphthene
Concen: 60.637 ng
RT: 14.869 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:154 Resp: 261442

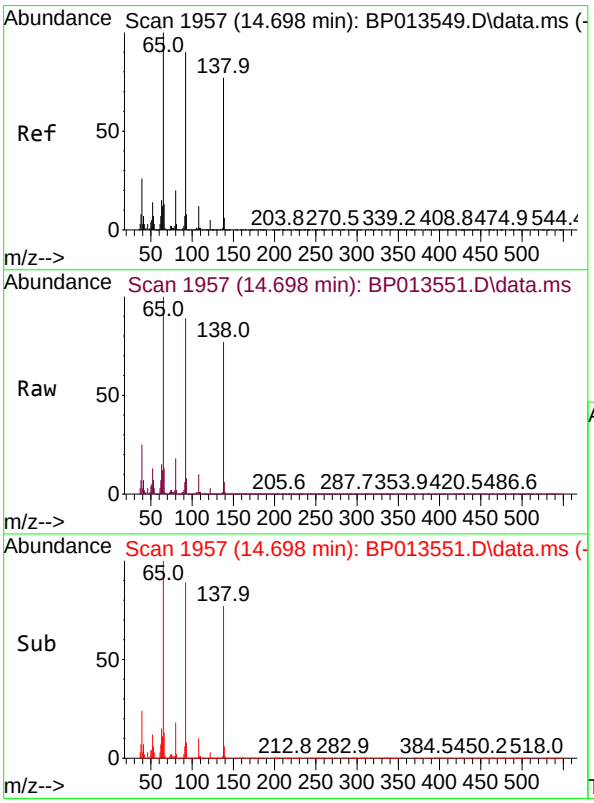
Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.4	134.0
152	53.7	42.7	64.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

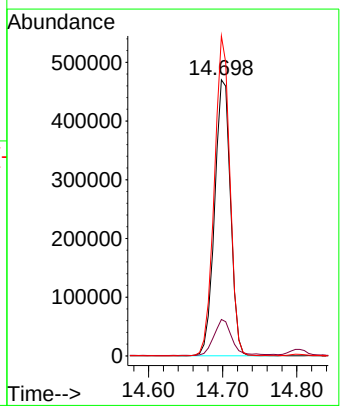
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

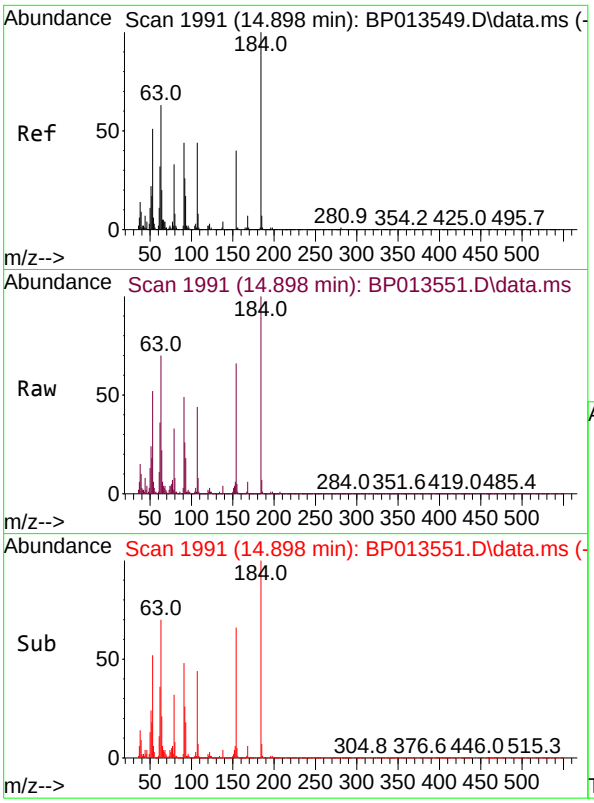


#53
3-Nitroaniline
Concen: 71.445 ng
RT: 14.698 min Scan# 1957
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:138 Resp: 697428

Ion	Ratio	Lower	Upper
138	100		
108	13.2	12.8	19.2
92	115.9	93.3	139.9

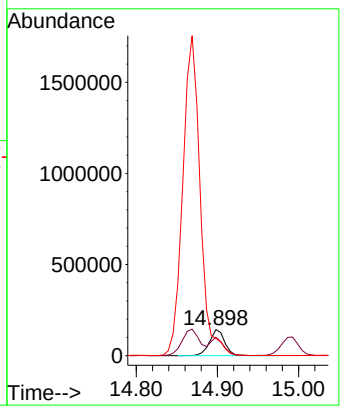




#54
2,4-Dinitrophenol
Concen: 71.389 ng
RT: 14.898 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:184 Resp: 18522

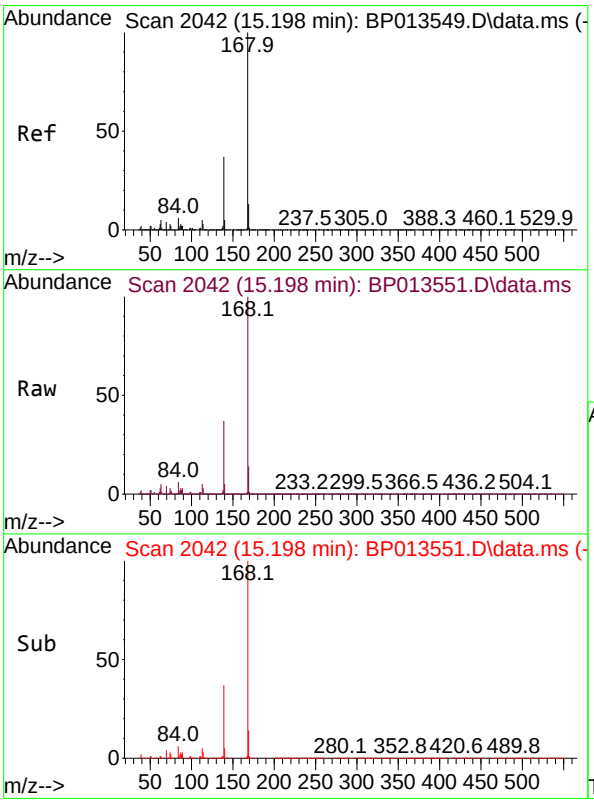
Ion	Ratio	Lower	Upper
184	100		
63	70.5	53.2	79.8
154	65.7	54.4	81.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

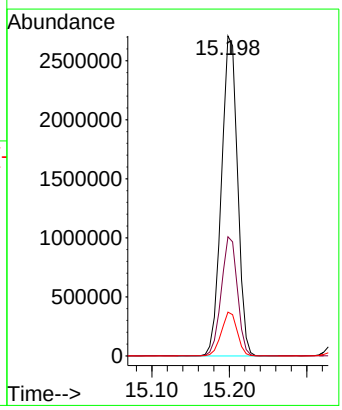
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

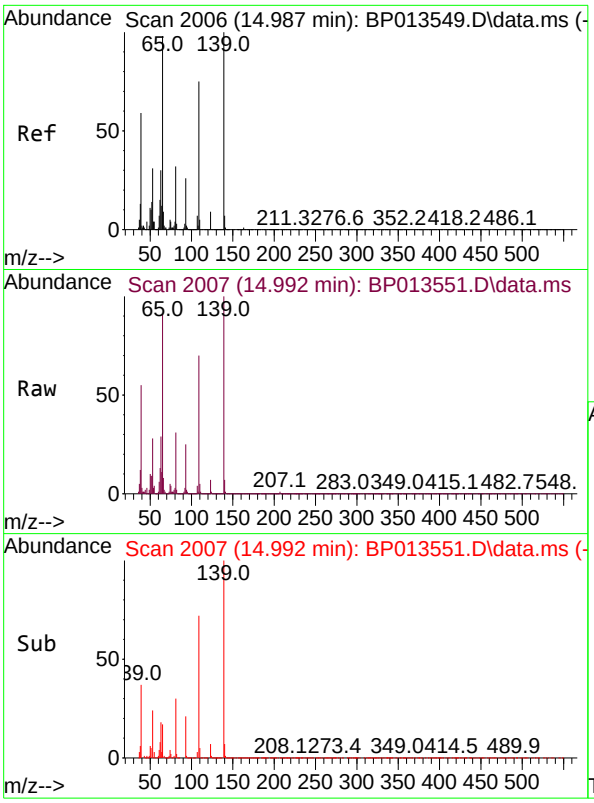


#55
Dibenzofuran
Concen: 59.227 ng
RT: 15.198 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:168 Resp: 3915779

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.9	44.9
169	13.7	10.7	16.1





#56
4-Nitrophenol
Concen: 66.471 ng
RT: 14.992 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

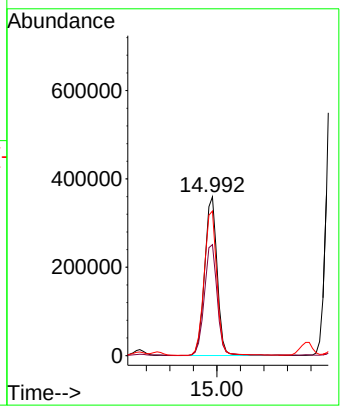
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

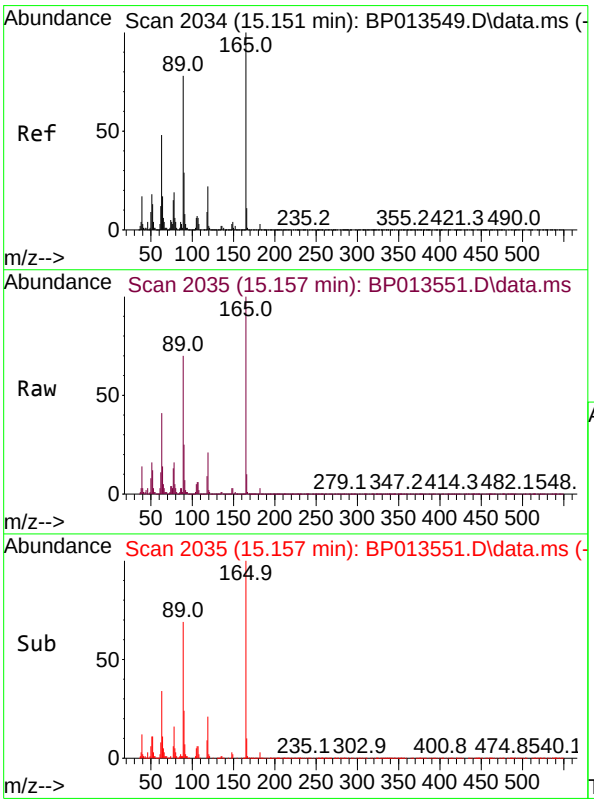
Tgt Ion:139 Resp: 52931

Ion	Ratio	Lower	Upper
139	100		
109	69.9	55.0	95.0
65	91.1	77.7	117.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

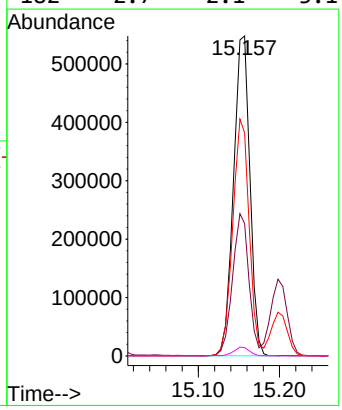


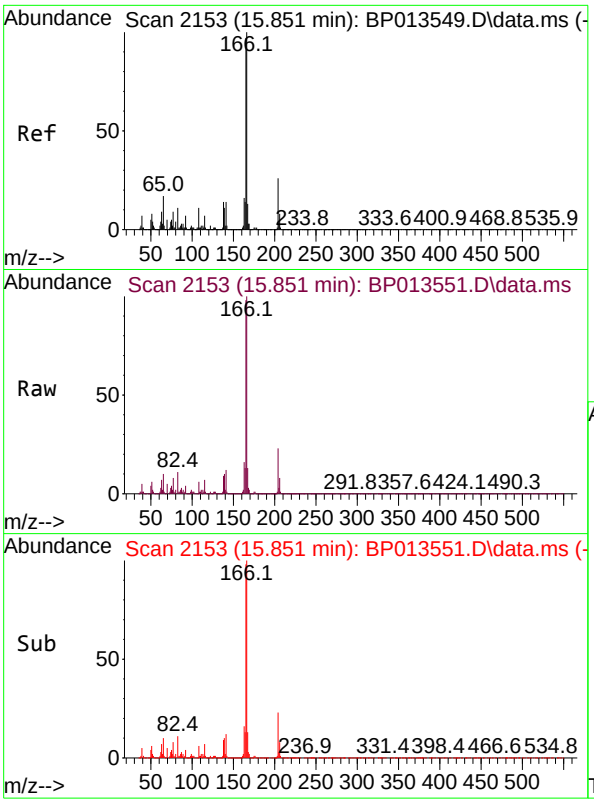


#57
2,4-Dinitrotoluene
Concen: 75.314 ng
RT: 15.157 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:165 Resp: 770950

Ion	Ratio	Lower	Upper
165	100		
63	41.4	38.3	57.5
89	69.7	62.1	93.1
182	2.7	2.1	3.1

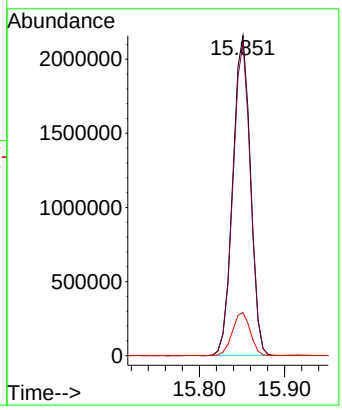




#58
Fluorene
Concen: 58.982 ng
RT: 15.851 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:166 Resp: 309948

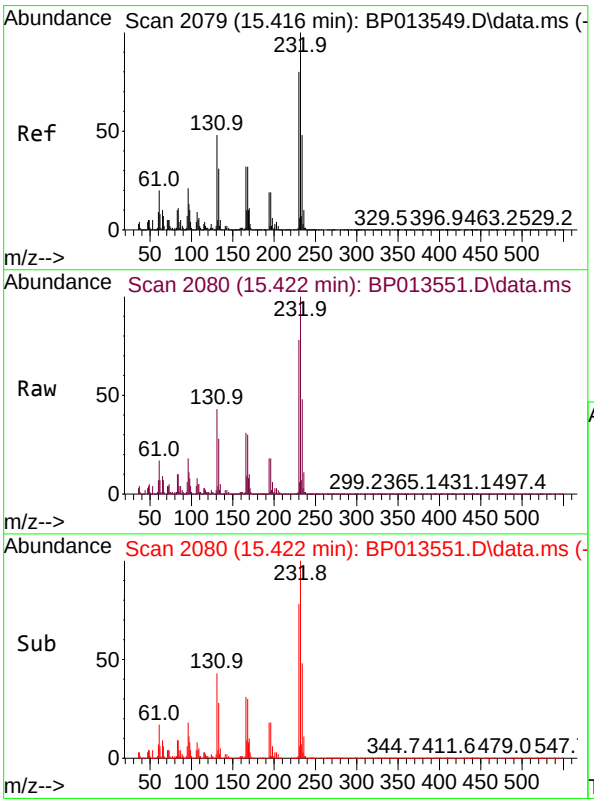
Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.8	116.8
167	13.5	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

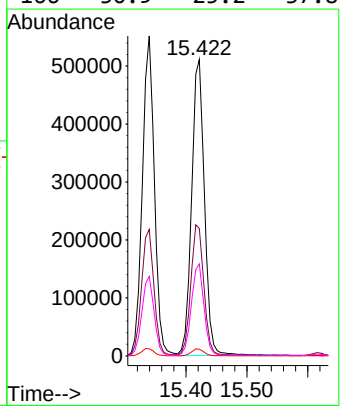
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

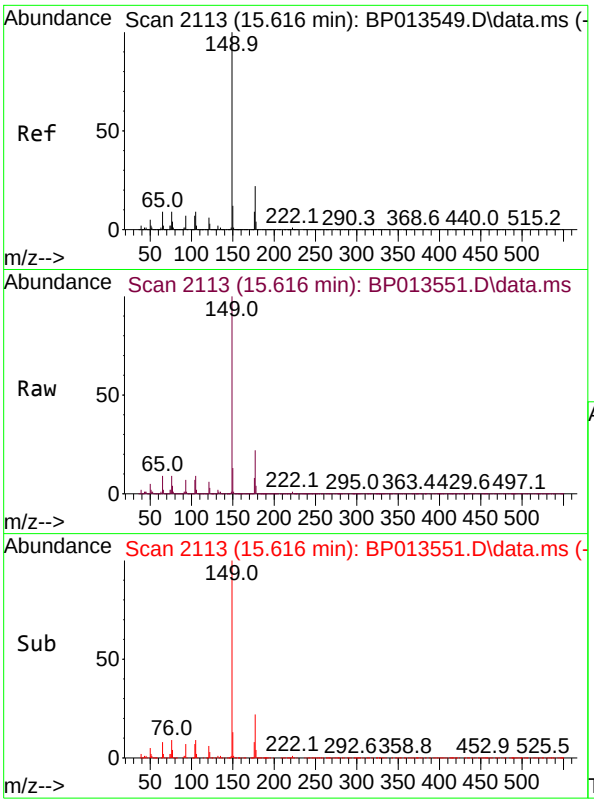


#59
2,3,4,6-Tetrachlorophenol
Concen: 64.530 ng
RT: 15.422 min Scan# 2080
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:232 Resp: 748406

Ion	Ratio	Lower	Upper
232	100		
131	45.2	37.1	55.7
130	2.3	1.9	2.9
166	30.9	25.2	37.8

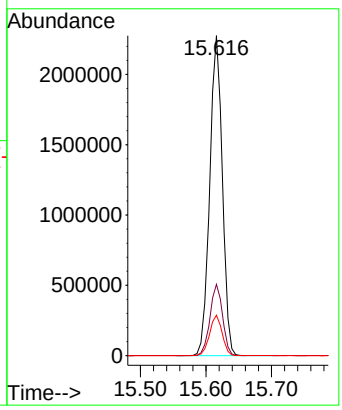




#60
Diethylphthalate
Concen: 58.950 ng
RT: 15.616 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:149 Resp: 303606

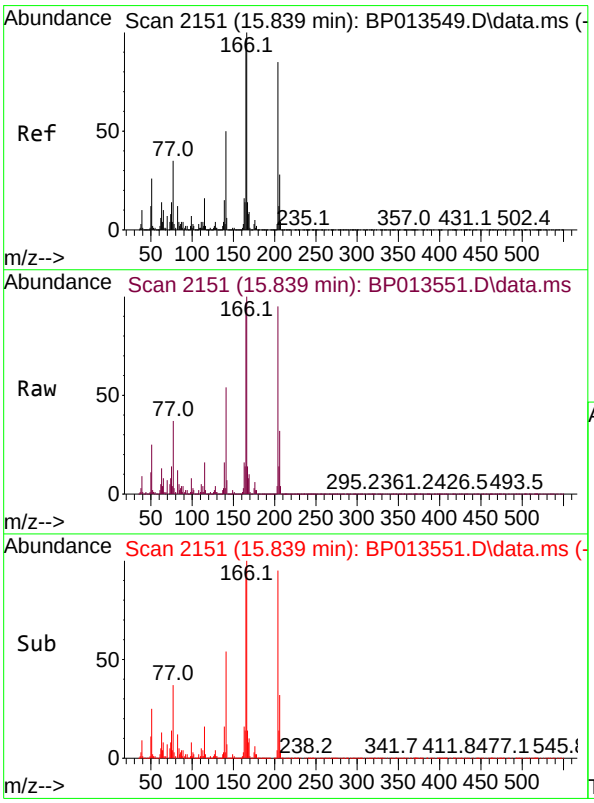
Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.6
150	12.6	9.8	14.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

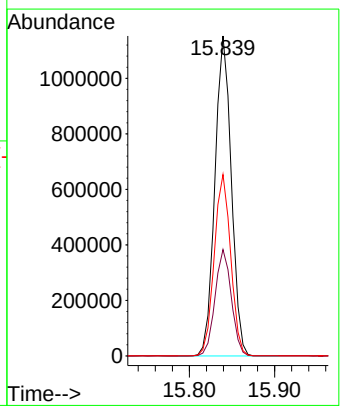
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

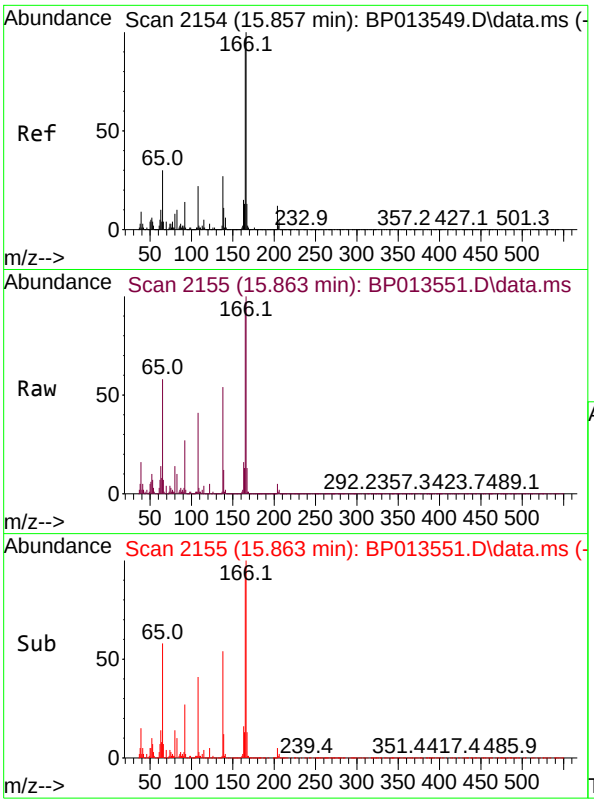


#61
4-Chlorophenyl-phenylether
Concen: 59.550 ng
RT: 15.839 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:204 Resp: 1538719

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.6	39.8
141	56.7	47.0	70.4

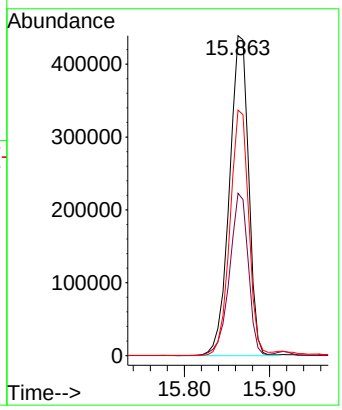




#62
4-Nitroaniline
Concen: 68.959 ng
RT: 15.863 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:138 Resp: 68680

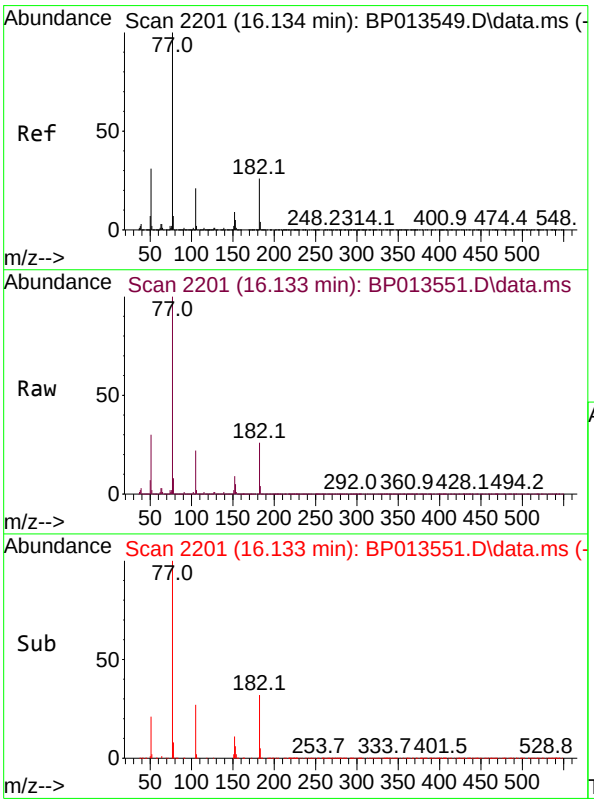
Ion	Ratio	Lower	Upper
138	100		
92	50.7	32.3	72.3
108	76.7	59.2	99.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

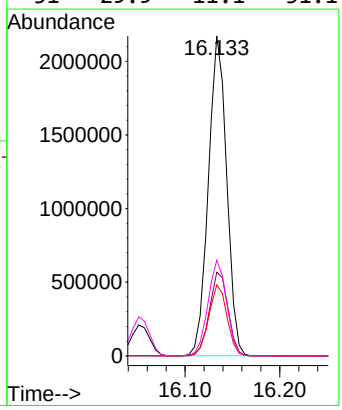
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

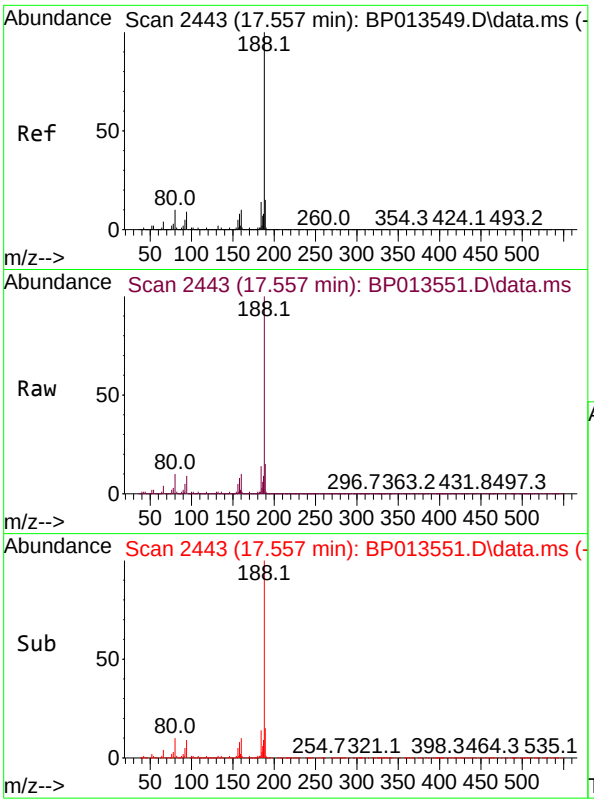


#63
Azobenzene
Concen: 58.363 ng
RT: 16.133 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion: 77 Resp: 2920790

Ion	Ratio	Lower	Upper
77	100		
182	26.1	5.5	45.5
105	22.2	1.4	41.4
51	29.9	11.1	51.1

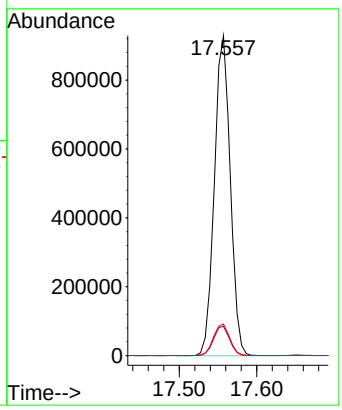




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.557 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:188 Resp: 1320949

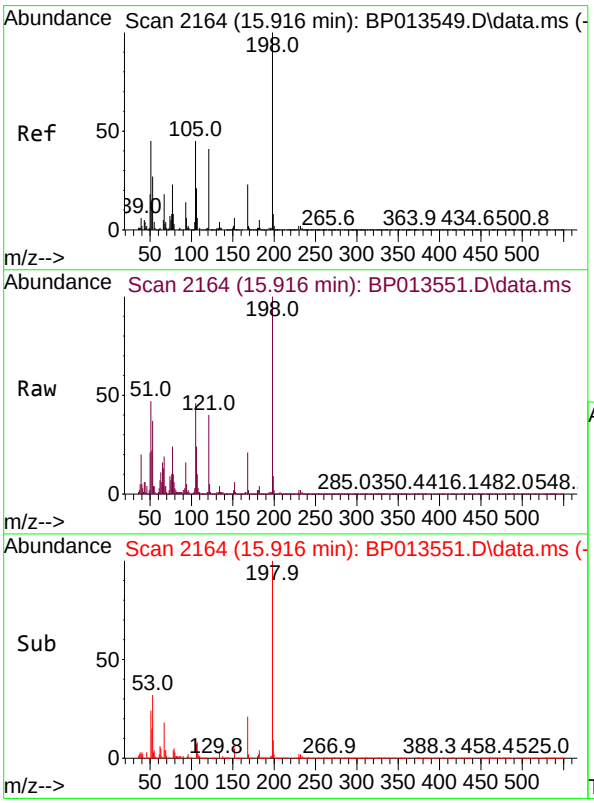
Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	9.9	8.2	12.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

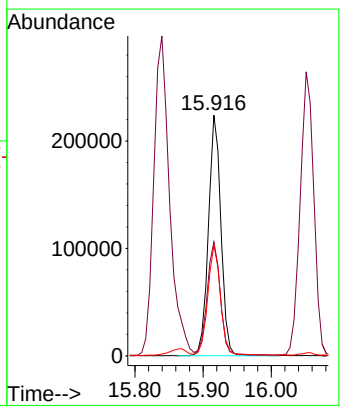
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

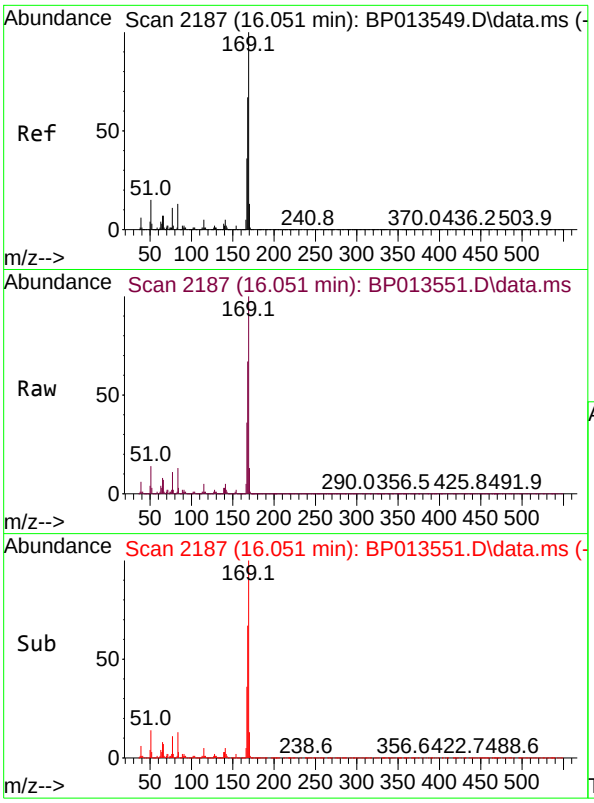


#65
4,6-Dinitro-2-methylphenol
Concen: 74.763 ng
RT: 15.916 min Scan# 2164
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:198 Resp: 285415

Ion	Ratio	Lower	Upper
198	100		
51	47.4	30.4	70.4
105	46.0	26.4	66.4

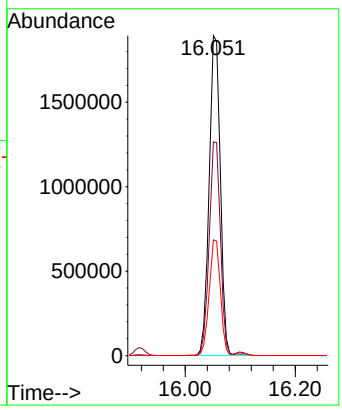




#66
n-Nitrosodiphenylamine
Concen: 61.846 ng
RT: 16.051 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:169 Resp: 266415

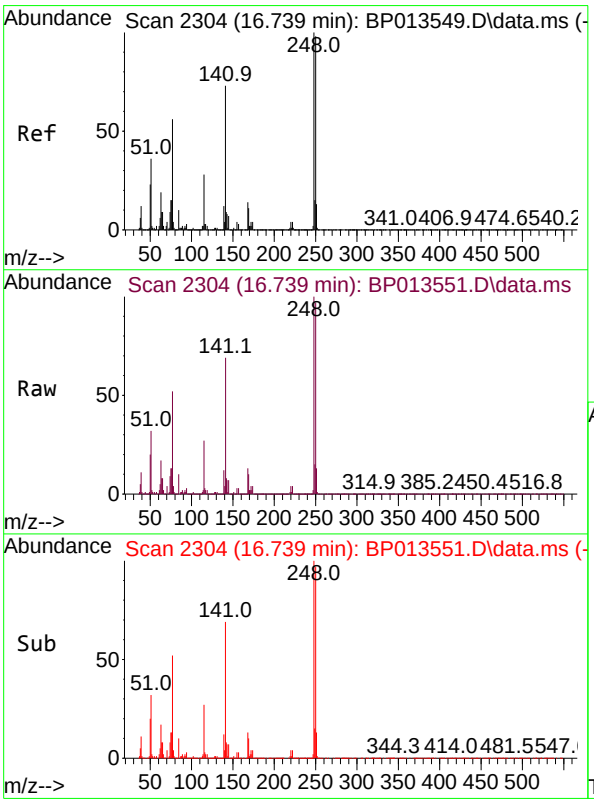
Ion	Ratio	Lower	Upper
169	100		
168	66.8	54.0	81.0
167	36.2	29.0	43.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

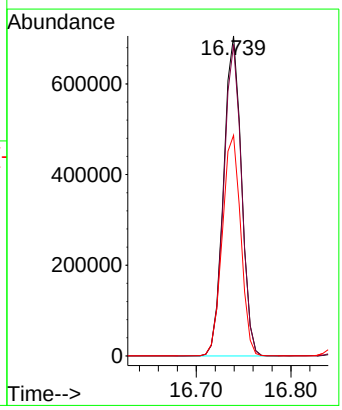
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

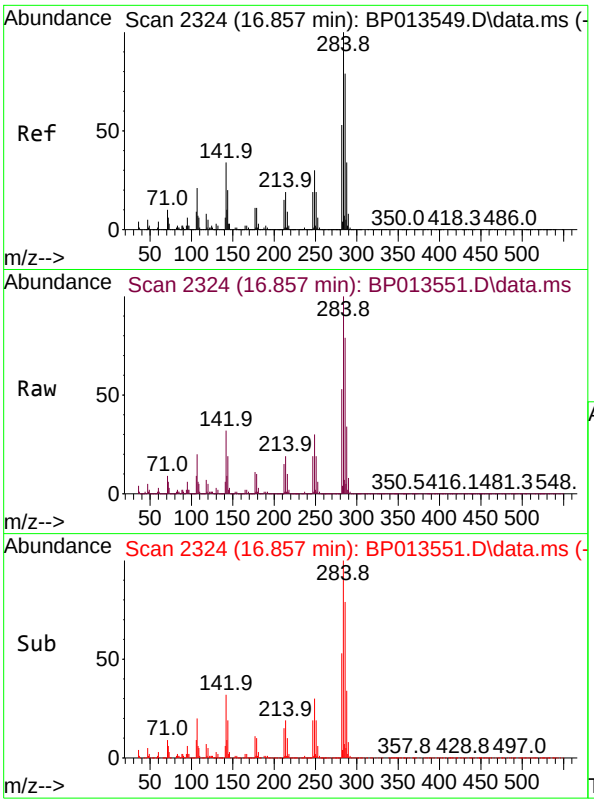


#67
4-Bromophenyl-phenylether
Concen: 63.030 ng
RT: 16.739 min Scan# 2304
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:248 Resp: 922261

Ion	Ratio	Lower	Upper
248	100		
250	97.3	78.1	117.1
141	68.9	58.1	87.1

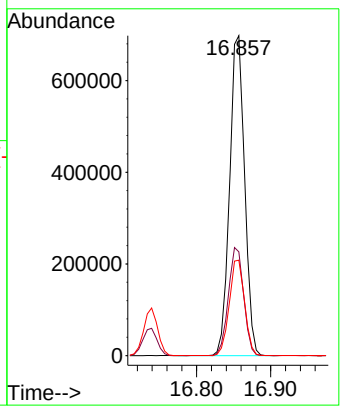




#68
Hexachlorobenzene
Concen: 62.117 ng
RT: 16.857 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:284 Resp: 98176

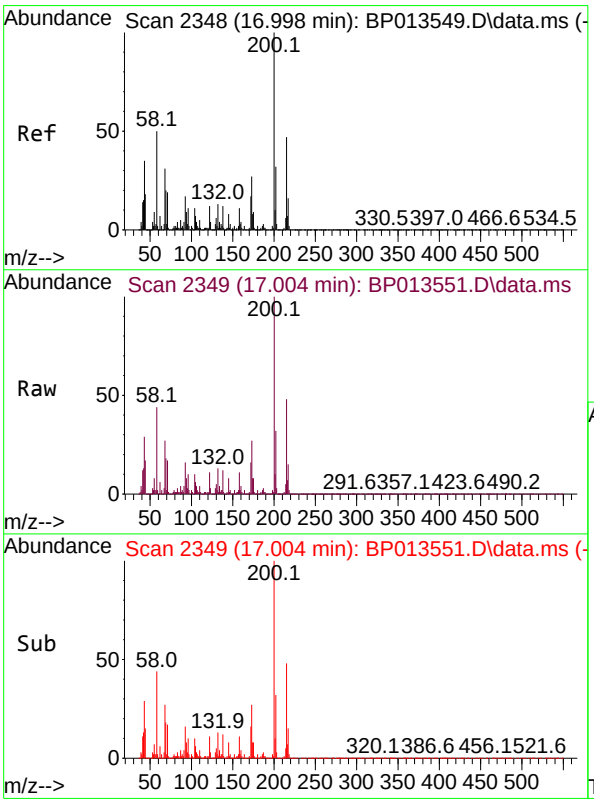
Ion	Ratio	Lower	Upper
284	100		
142	32.4	27.3	40.9
249	29.8	24.0	36.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

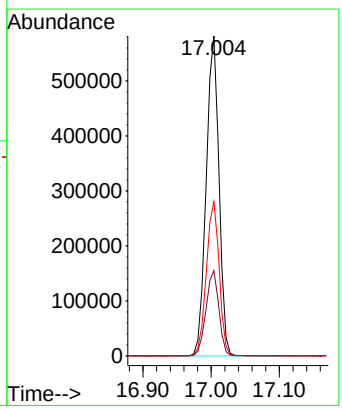
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

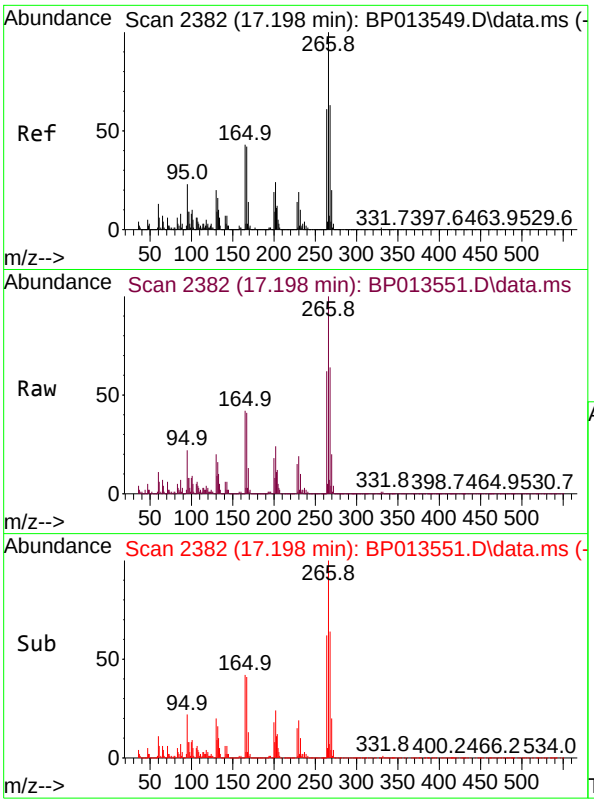


#69
Atrazine
Concen: 61.440 ng
RT: 17.004 min Scan# 2349
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:200 Resp: 757269

Ion	Ratio	Lower	Upper
200	100		
173	26.6	7.2	47.2
215	48.2	27.3	67.3

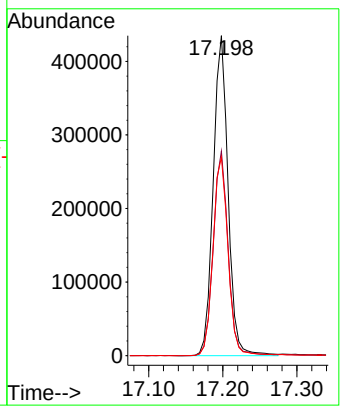




#70
Pentachlorophenol
Concen: 65.659 ng
RT: 17.198 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:266 Resp: 60438

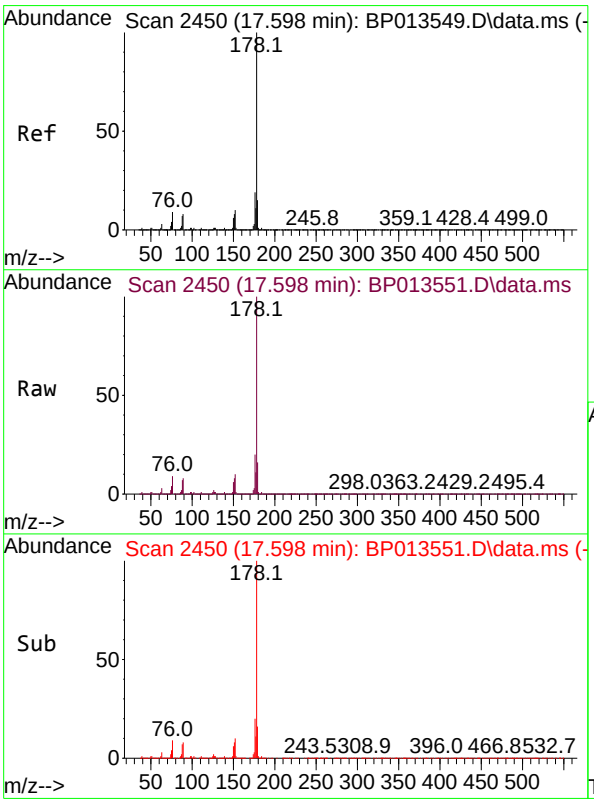
Ion	Ratio	Lower	Upper
266	100		
268	63.9	50.7	76.1
264	62.0	48.9	73.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

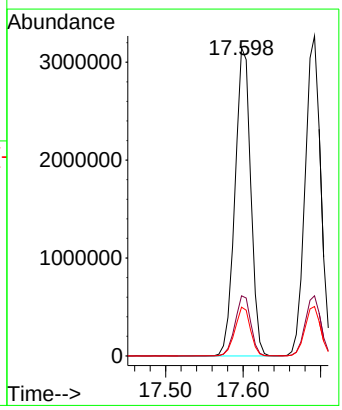
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

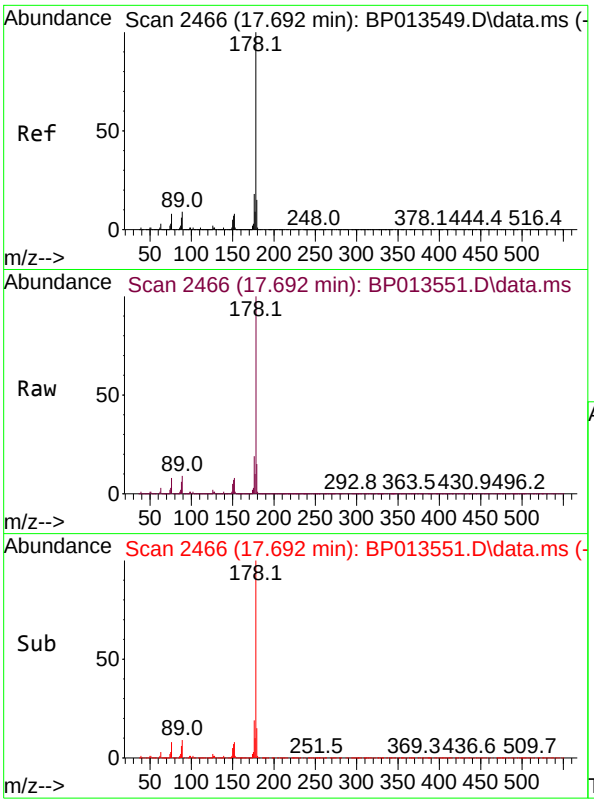


#71
Phenanthrene
Concen: 60.451 ng
RT: 17.598 min Scan# 2450
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:178 Resp: 4442913

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.8	12.2	18.4

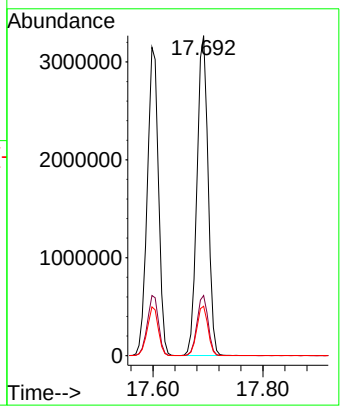




#72
Anthracene
Concen: 61.128 ng
RT: 17.692 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:178 Resp: 455978

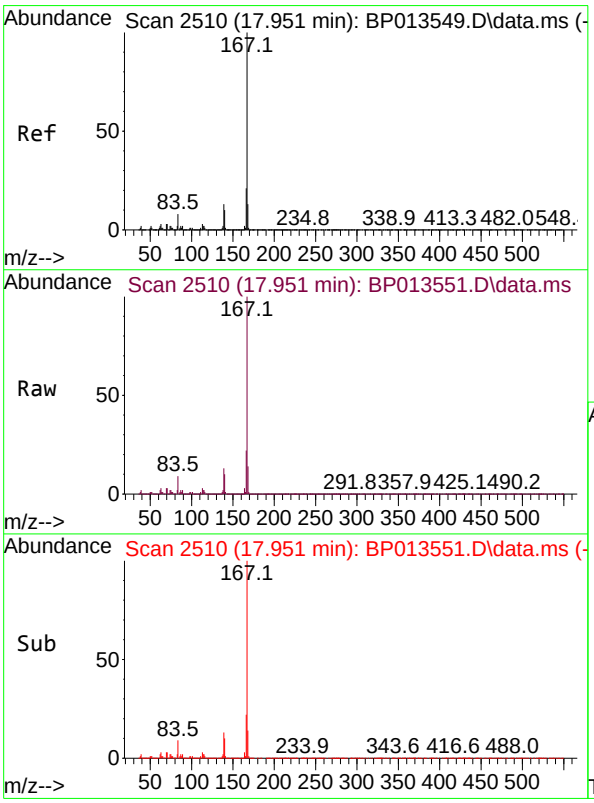
Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	15.5	12.3	18.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

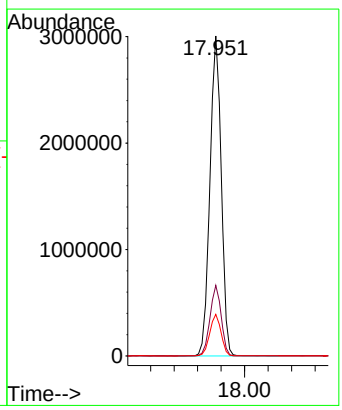
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

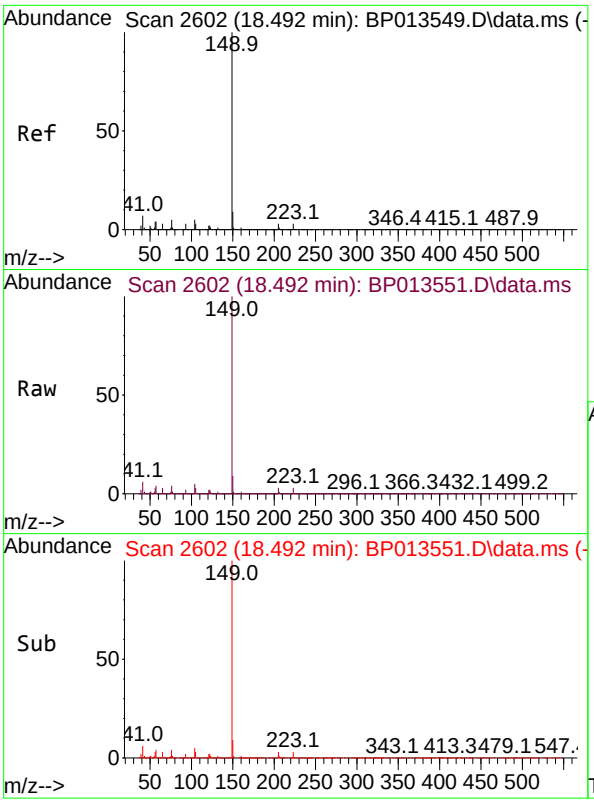


#73
Carbazole
Concen: 59.937 ng
RT: 17.951 min Scan# 2510
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:167 Resp: 4017899

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.2	25.8
139	13.0	10.3	15.5

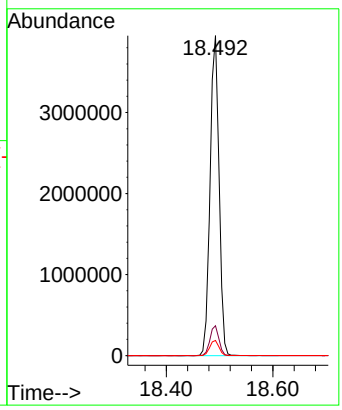




#74
Di-n-butylphthalate
Concen: 61.895 ng
RT: 18.492 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:149 Resp: 461793

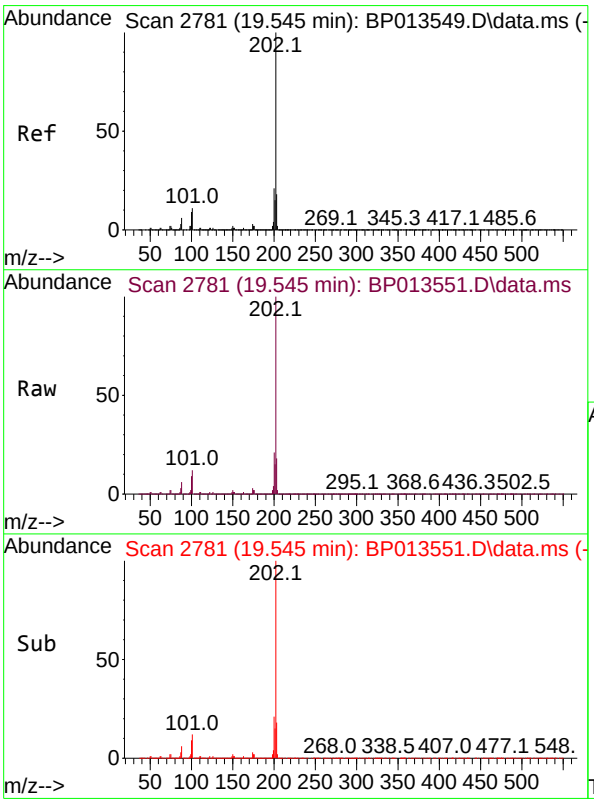
Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.7	3.9	5.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

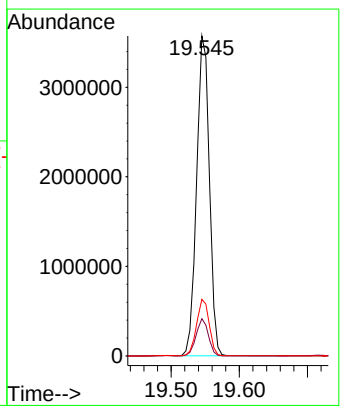
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

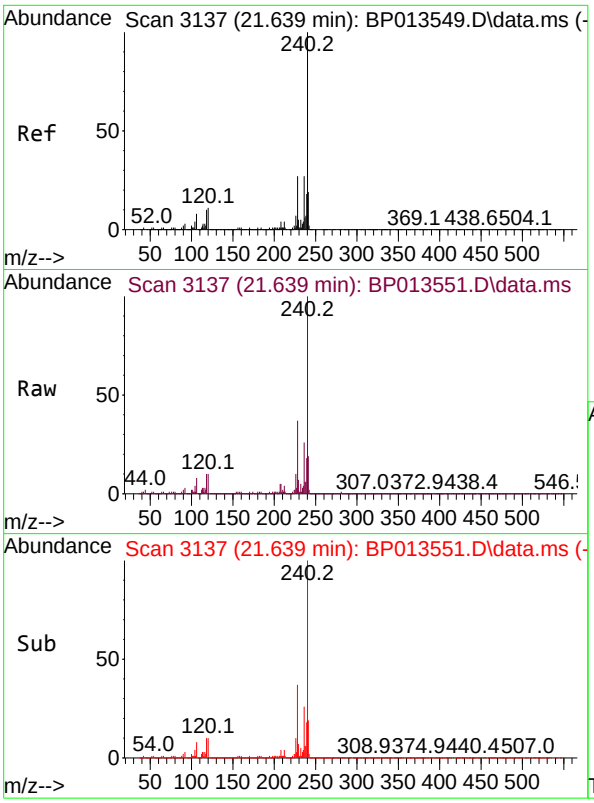


#75
Fluoranthene
Concen: 59.523 ng
RT: 19.545 min Scan# 2781
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:202 Resp: 4652184

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.4
203	17.7	0.0	37.9

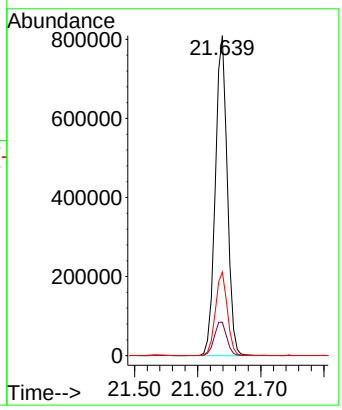




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:240 Resp: 106326

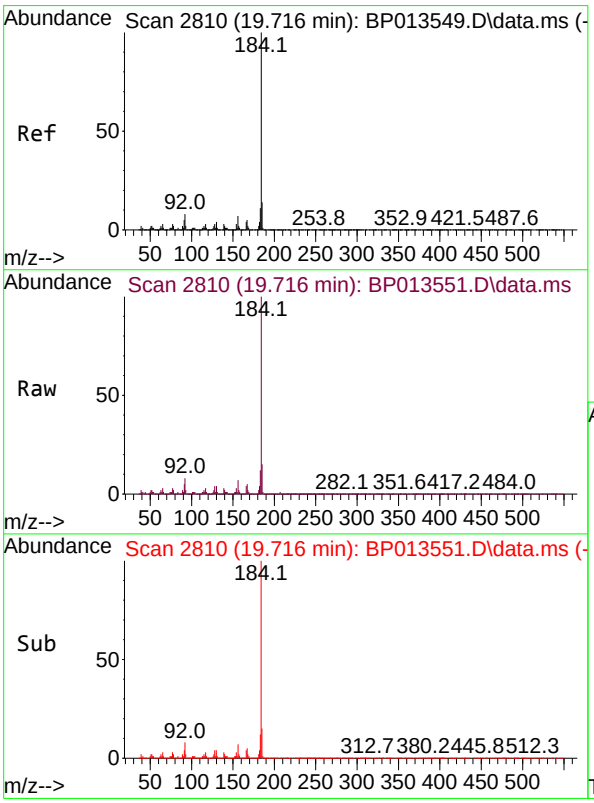
Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.6	13.0
236	26.1	21.3	31.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

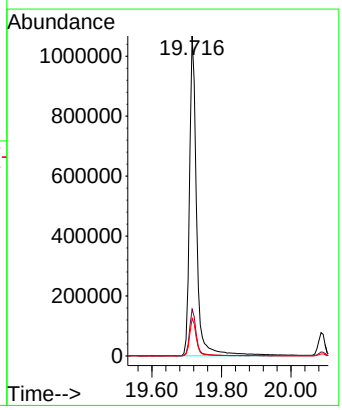
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

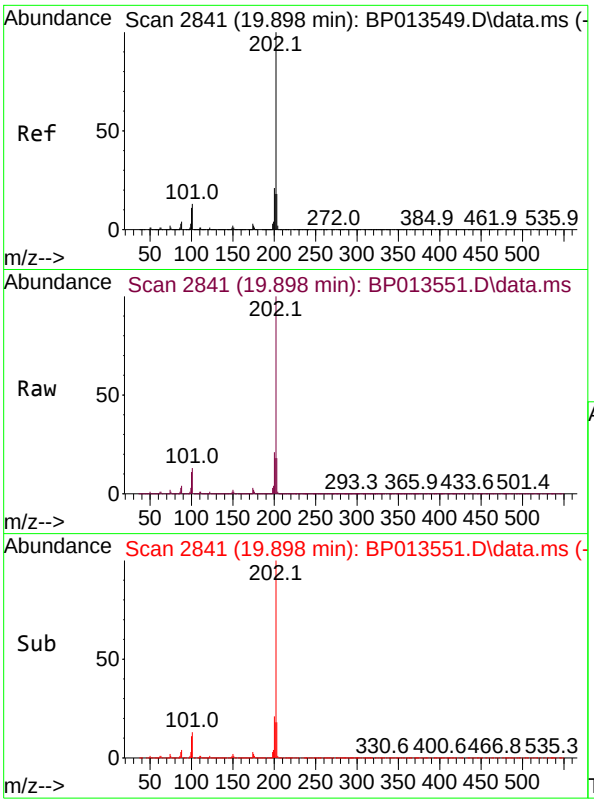


#77
Benzidine
Concen: 56.740 ng
RT: 19.716 min Scan# 2810
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:184 Resp: 1517335

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.5	17.3
183	11.7	9.0	13.6

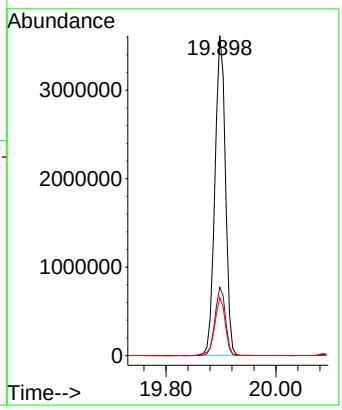




#78
Pyrene
Concen: 58.786 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:202 Resp: 477928

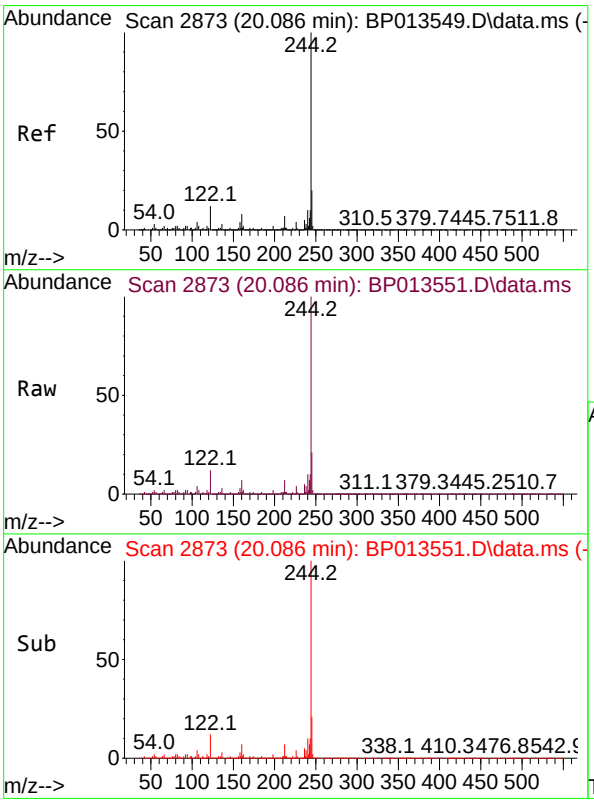
Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.6
203	18.2	14.2	21.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

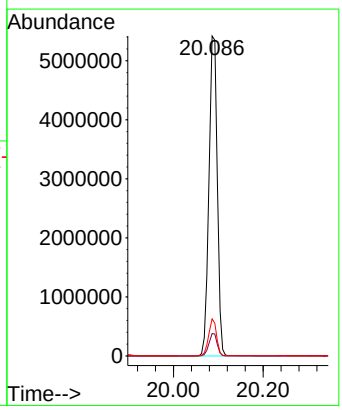
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

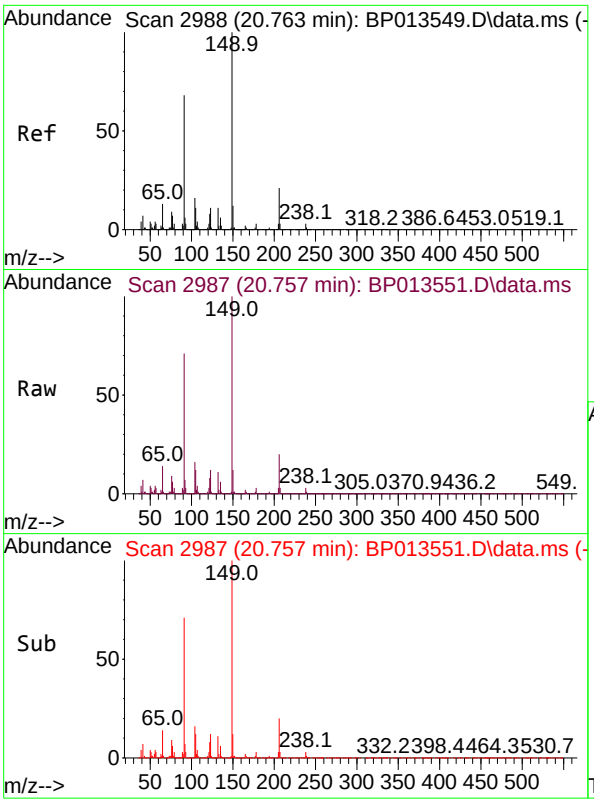


#79
Terphenyl-d14
Concen: 117.975 ng
RT: 20.086 min Scan# 2873
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:244 Resp: 6972653

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.6	9.2	13.8

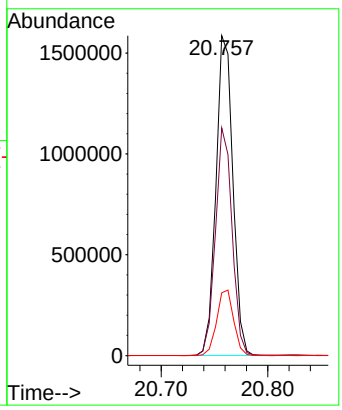




#80
Butylbenzylphthalate
Concen: 65.592 ng
RT: 20.757 min Scan# 29
Delta R.T. -0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:149 Resp: 175960

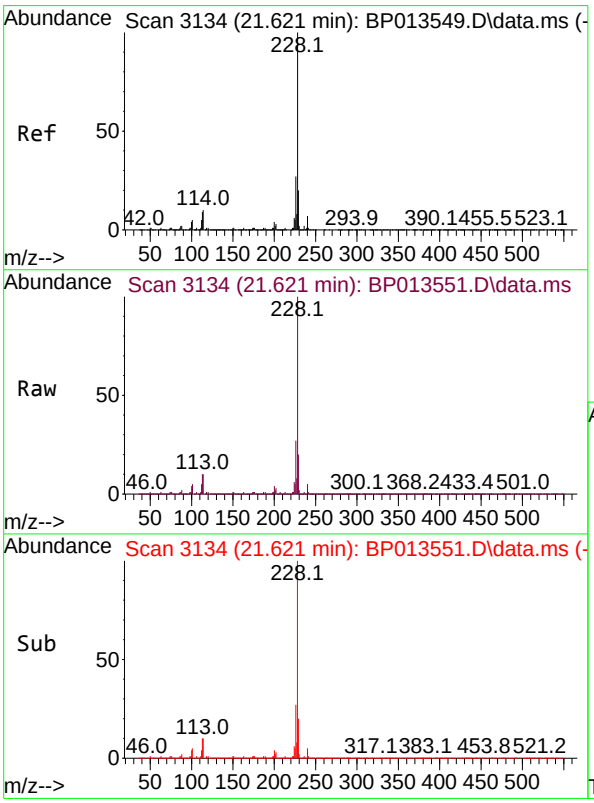
Ion	Ratio	Lower	Upper
149	100		
91	71.2	54.6	81.8
206	19.7	16.7	25.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

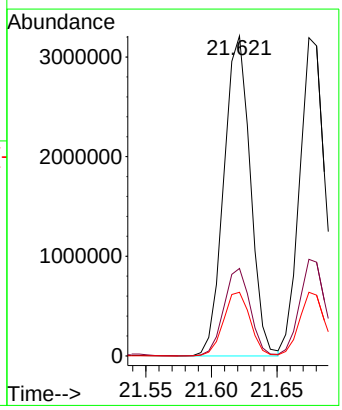
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

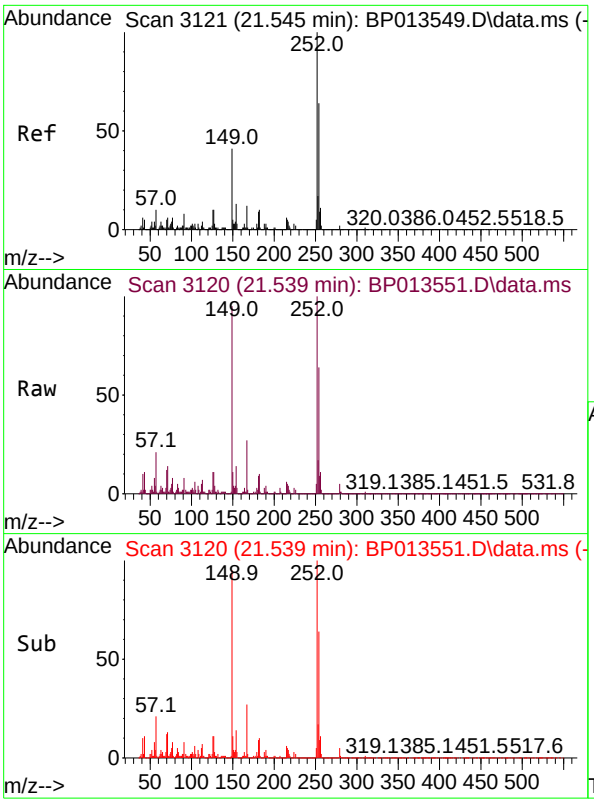


#81
Benzo(a)anthracene
Concen: 60.701 ng
RT: 21.621 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:228 Resp: 4496360

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.9	15.8	23.6

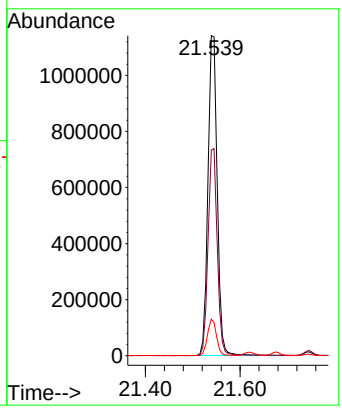




#82
3,3'-Dichlorobenzidine
Concen: 65.012 ng
RT: 21.539 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:252 Resp: 155161

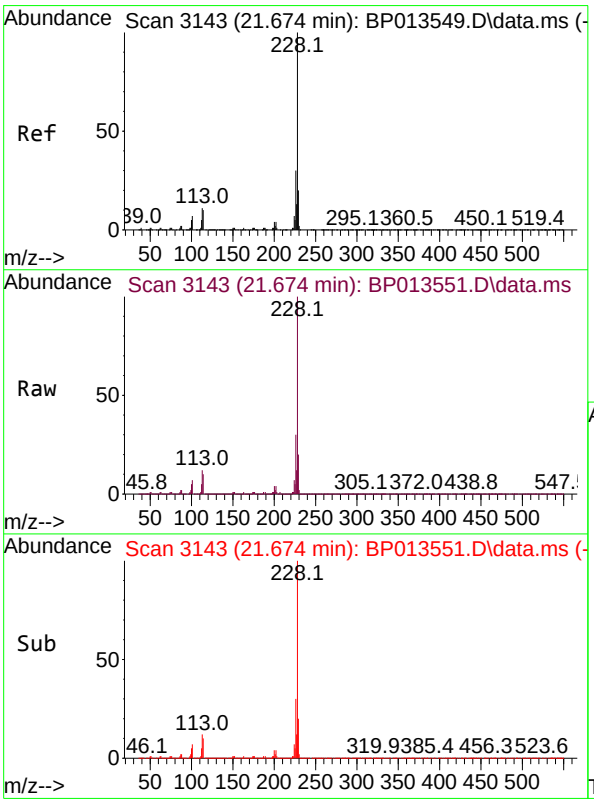
Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.4	77.0
126	11.4	8.3	12.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

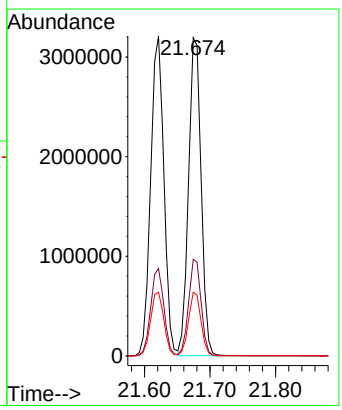
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

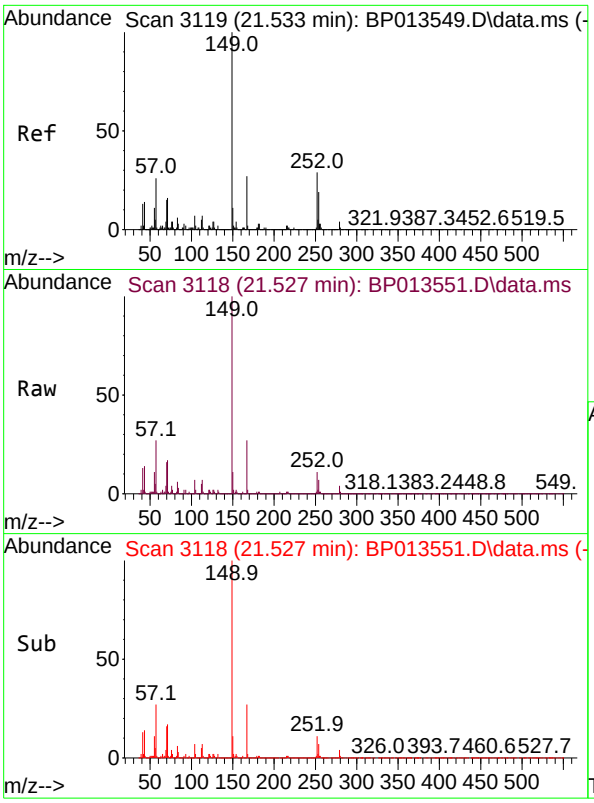


#83
Chrysene
Concen: 60.235 ng
RT: 21.674 min Scan# 3143
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:228 Resp: 4267546

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	20.0	16.2	24.2





#84
Bis(2-ethylhexyl)phthalate
Concen: 63.124 ng
RT: 21.527 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

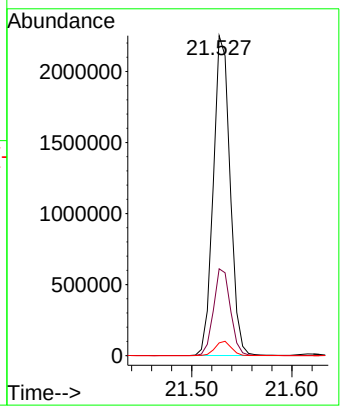
Tgt Ion:149 Resp: 261502

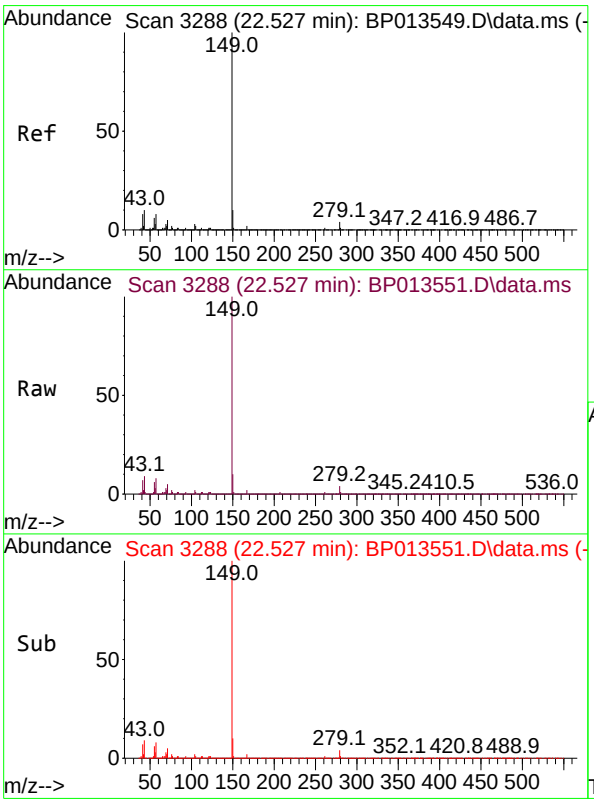
Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.0	33.0
279	4.0	3.5	5.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

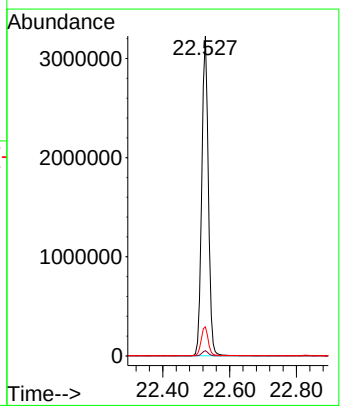


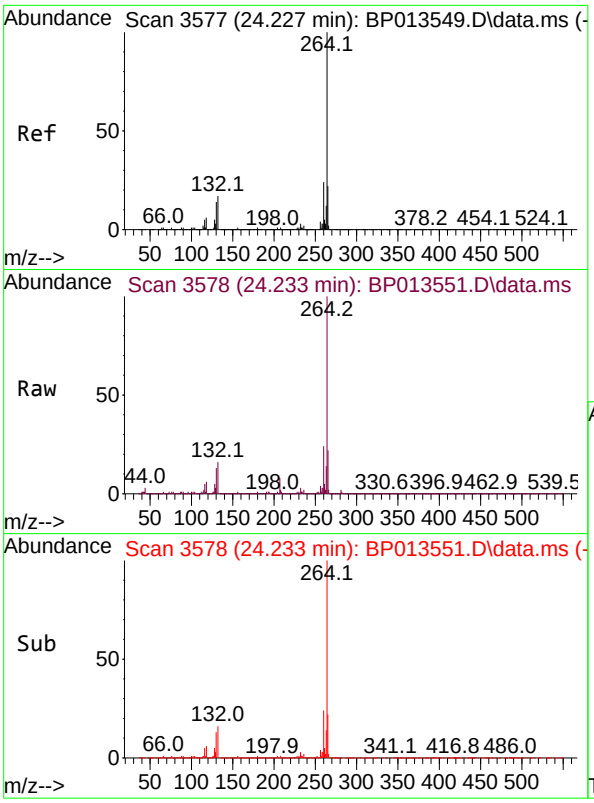


#85
Di-n-octyl phthalate
Concen: 65.899 ng
RT: 22.527 min Scan# 3288
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:149 Resp: 4401384

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.6	8.2	12.4

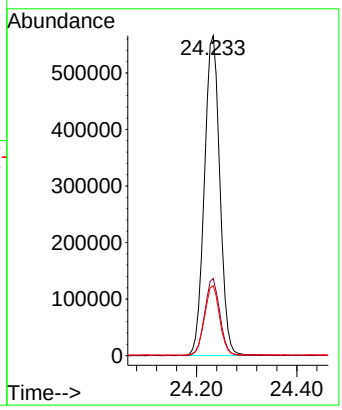




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.233 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:264 Resp: 121161

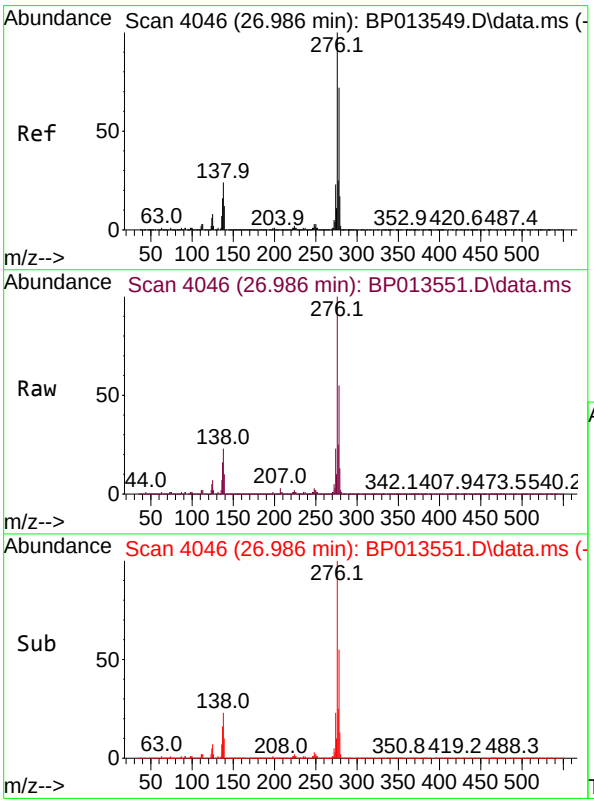
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	21.8	17.4	26.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

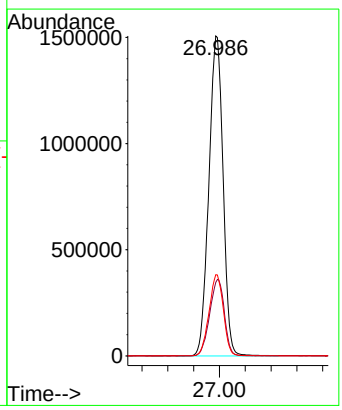
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

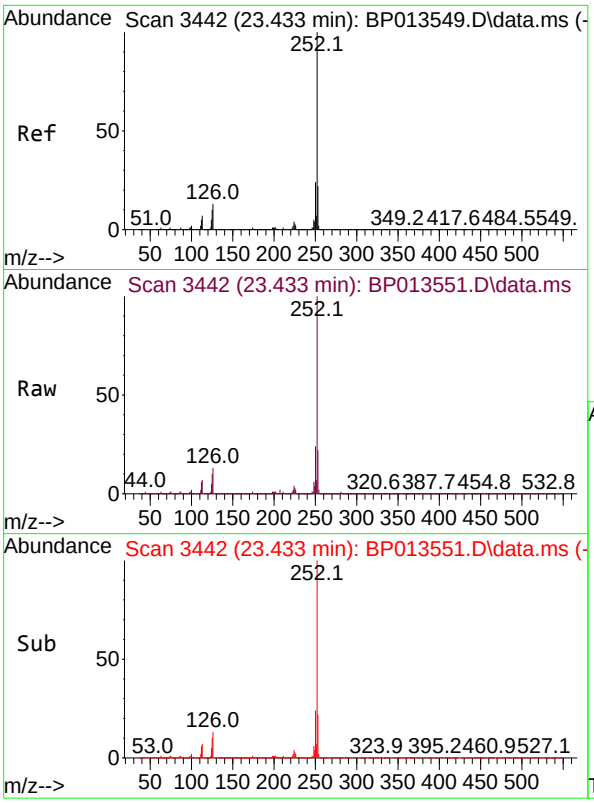


#87
Indeno(1,2,3-cd)pyrene
Concen: 64.502 ng
RT: 26.986 min Scan# 4046
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:276 Resp: 5756541

Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.8	29.6
277	25.6	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 60.649 ng
RT: 23.433 min Scan# 34
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

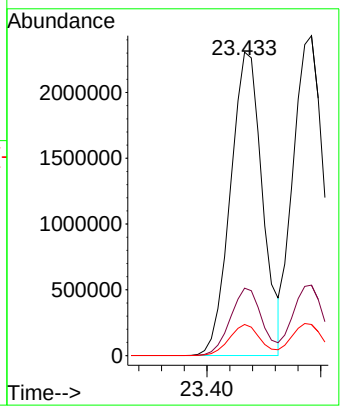
Tgt Ion:252 Resp: 452046

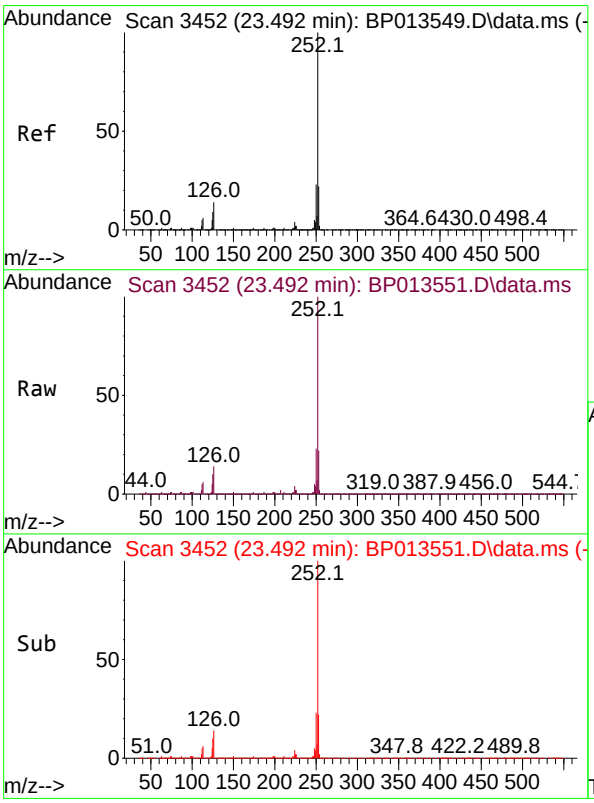
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.2	8.0	12.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

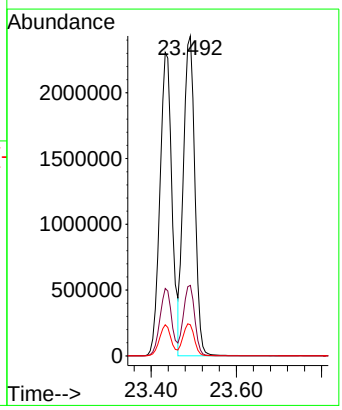


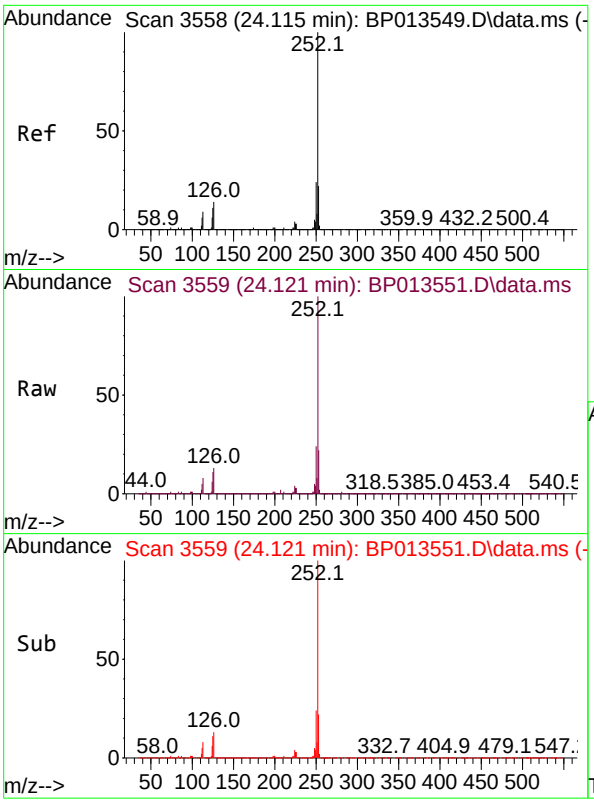


#89
Benzo(k)fluoranthene
Concen: 59.455 ng
RT: 23.492 min Scan# 3452
Delta R.T. -0.000 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:252 Resp: 4519914

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.7	7.5	11.3

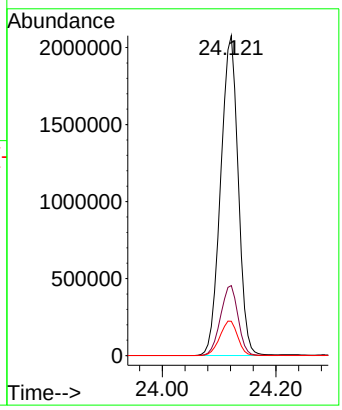




#90
Benzo(a)pyrene
Concen: 61.285 ng
RT: 24.121 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:252 Resp: 443113

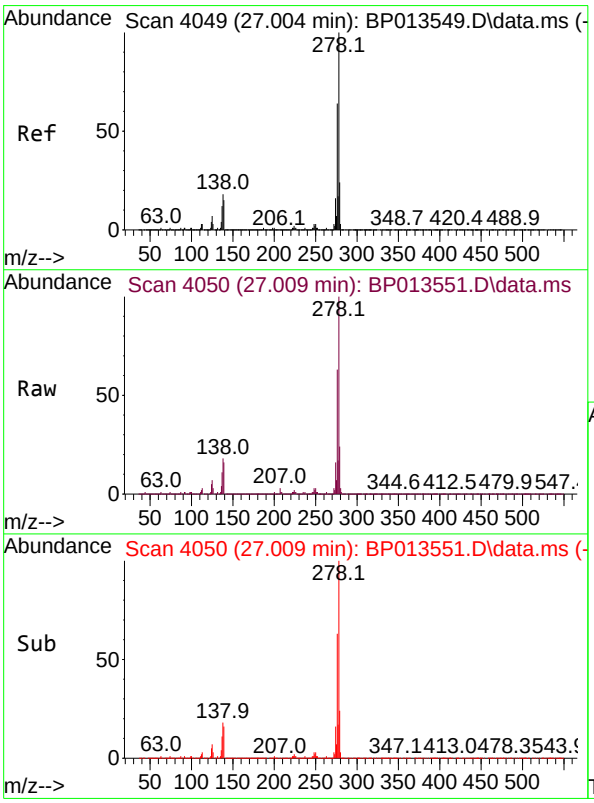
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.7	8.9	13.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

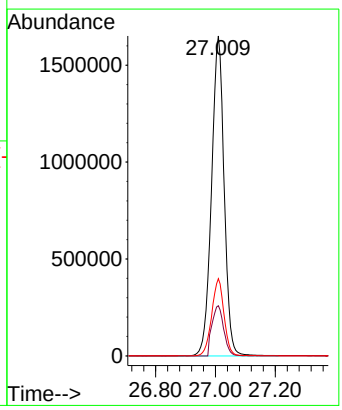
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

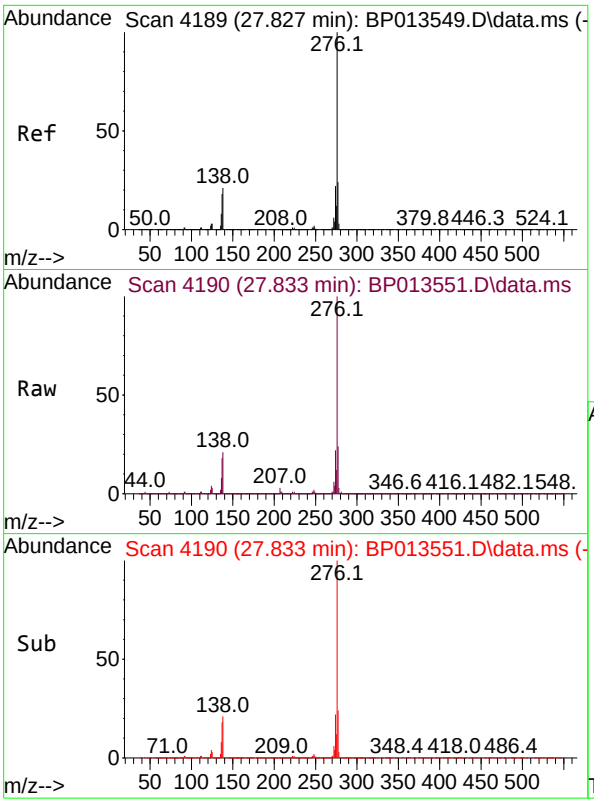


#91
Dibenzo(a,h)anthracene
Concen: 64.801 ng
RT: 27.009 min Scan# 4050
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:278 Resp: 4850837

Ion	Ratio	Lower	Upper
278	100		
139	15.7	12.3	18.5
279	24.1	19.0	28.6

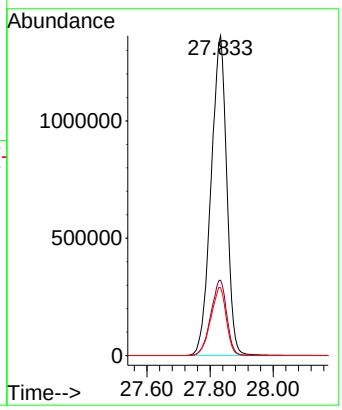




#92
Benzo(g,h,i)perylene
Concen: 52.678 ng
RT: 27.833 min Scan# 41
Delta R.T. 0.006 min
Lab File: BP013551.D
Acq: 23 Jan 2023 14:51

Tgt Ion:276 Resp: 470123

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.6
138	21.2	16.6	25.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013552.D
Acq On : 23 Jan 2023 16:01
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

Quant Time: Jan 24 03:07:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.163	152	378884	20.000	ng		0.00
21) Naphthalene-d8	10.999	136	1507887	20.000	ng		0.00
39) Acenaphthene-d10	14.804	164	922906	20.000	ng		0.00
64) Phenanthrene-d10	17.557	188	1967034	20.000	ng		0.00
76) Chrysene-d12	21.639	240	1733912	20.000	ng		0.00
86) Perylene-d12	24.233	264	1592515	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.693	112	3304546	149.435	ng		0.00
7) Phenol-d6	7.310	99	4599459	154.541	ng		0.00
23) Nitrobenzene-d5	9.346	82	3994953	174.903	ng		0.00
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng		
45) 2-Fluorobiphenyl	13.434	172	9610226	142.934	ng		0.00
79) Terphenyl-d14	20.086	244	13044289	135.339	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.528	88	631575	70.847	ng		98
3) Pyridine	3.940	79	2011144m	76.223	ng		
4) n-Nitrosodimethylamine	3.852	42	862196	72.057	ng		97
6) Aniline	7.487	93	3071625	76.827	ng		99
8) 2-Chlorophenol	7.728	128	1900793	77.897	ng		98
10) Phenol	7.340	94	2374543	77.008	ng		99
11) bis(2-Chloroethyl)ether	7.581	93	1898988	75.317	ng		98
12) 1,3-Dichlorobenzene	8.052	146	1997549	74.025	ng		99
13) 1,4-Dichlorobenzene	8.199	146	2020288	73.836	ng		99
14) 1,2-Dichlorobenzene	8.528	146	1944529	73.394	ng		99
15) Benzyl Alcohol	8.405	79	1687874	79.377	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.699	45	2536717	73.379	ng		99
17) 2-Methylphenol	8.604	107	1737172	77.573	ng		99
18) Hexachloroethane	9.263	117	707119	77.317	ng		100
19) n-Nitroso-di-n-propyla...	8.987	70	1482470	77.335	ng		96
20) 3+4-Methylphenols	8.940	107	2363326	80.178	ng		99
22) Acetophenone	8.999	105	2922551	75.551	ng	#	98
24) Nitrobenzene	9.387	77	2077916	84.610	ng		97
25) Isophorone	9.922	82	4294878	79.275	ng		99
27) 2,4-Dimethylphenol	10.151	122	1882941	78.842	ng		100
28) bis(2-Chloroethoxy)met...	10.399	93	2572170	78.783	ng		99
29) 2,4-Dichlorophenol	10.640	162	1836764	85.383	ng		99
30) 1,2,4-Trichlorobenzene	10.857	180	1927786	78.526	ng		99
31) Naphthalene	11.051	128	6242906	77.011	ng		99
32) Benzoic acid	10.334	122	1184849	113.511	ng		98
33) 4-Chloroaniline	11.151	127	2874116	80.127	ng		99
34) Hexachlorobutadiene	11.334	225	1112644	77.881	ng		99
35) Caprolactam	11.963	113	661353m	95.175	ng		
36) 4-Chloro-3-methylphenol	12.263	107	2014885	86.004	ng		97
37) 2-Methylnaphthalene	12.645	142	4556380	79.074	ng		98
38) 1-Methylnaphthalene	12.863	142	4267198	78.812	ng		99
40) 1,2,4,5-Tetrachloroben...	13.004	216	2177491	76.635	ng		100
41) Hexachlorocyclopentadiene	12.987	237	1171233	87.565	ng		97
43) 2,4,6-Trichlorophenol	13.240	196	1456511	87.585	ng		99
44) 2,4,5-Trichlorophenol	13.310	196	1717485	87.401	ng		98
46) 1,1'-Biphenyl	13.645	154	5547165	74.841	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013552.D
Acq On : 23 Jan 2023 16:01
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

Quant Time: Jan 24 03:07:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	13.687	162	4195583	75.558	ng		99
48) 2-Nitroaniline	13.887	65	1225426	110.297	ng		89
49) Acenaphthylene	14.528	152	7023561	77.344	ng		98
50) Dimethylphthalate	14.263	163	5557745	81.012	ng		100
51) 2,6-Dinitrotoluene	14.375	165	1162764	104.970	ng		92
52) Acenaphthene	14.869	154	4446596	79.270	ng		100
53) 3-Nitroaniline	14.710	138	1352760	106.514	ng	#	92
55) Dibenzofuran	15.204	168	6633211	77.116	ng		99
58) Fluorene	15.851	166	5243932	76.702	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.422	232	1390673	92.166	ng		97
60) Diethylphthalate	15.622	149	5594855	83.499	ng		99
61) 4-Chlorophenyl-phenyle...	15.839	204	2637118	78.446	ng		97
63) Azobenzene	16.139	77	5068227	77.842	ng		95
65) 4,6-Dinitro-2-methylph...	15.928	198	704391	123.907	ng		89
66) n-Nitrosodiphenylamine	16.057	169	4755224	74.130	ng		99
67) 4-Bromophenyl-phenylether	16.739	248	1702428	78.133	ng		98
68) Hexachlorobenzene	16.857	284	1846450	78.454	ng		98
69) Atrazine	17.010	200	1483580	80.832	ng		98
70) Pentachlorophenol	17.198	266	1284864	93.737	ng		98
71) Phenanthrene	17.604	178	8283768	75.690	ng		99
72) Anthracene	17.692	178	8460641	76.168	ng		98
73) Carbazole	17.957	167	7886049	79.000	ng		99
74) Di-n-butylphthalate	18.492	149	9471020	85.247	ng		99
75) Fluoranthene	19.551	202	9632193	82.762	ng		100
77) Benzidine	19.716	184	3381682	77.546	ng		99
78) Pyrene	19.904	202	9836233	74.191	ng		99
81) Benzo(a)anthracene	21.621	228	9396042	77.785	ng		98
82) 3,3'-Dichlorobenzidine	21.545	252	3235052	83.120	ng		99
83) Chrysene	21.680	228	8843193	76.541	ng		98
84) Bis(2-ethylhexyl)phtha...	21.527	149	6110528	90.450	ng		99
85) Di-n-octyl phthalate	22.527	149	10207016	93.714	ng		96
87) Indeno(1,2,3-cd)pyrene	26.992	276	8432334	71.886	ng		100
88) Benzo(b)fluoranthene	23.439	252	8175152	83.448	ng		99
89) Benzo(k)fluoranthene	23.492	252	8371090	83.776	ng		98
90) Benzo(a)pyrene	24.121	252	7672732	80.737	ng		99
91) Dibenzo(a,h)anthracene	27.009	278	7123652	72.402	ng		99
92) Benzo(g,h,i)perylene	27.839	276	6728252	57.359	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

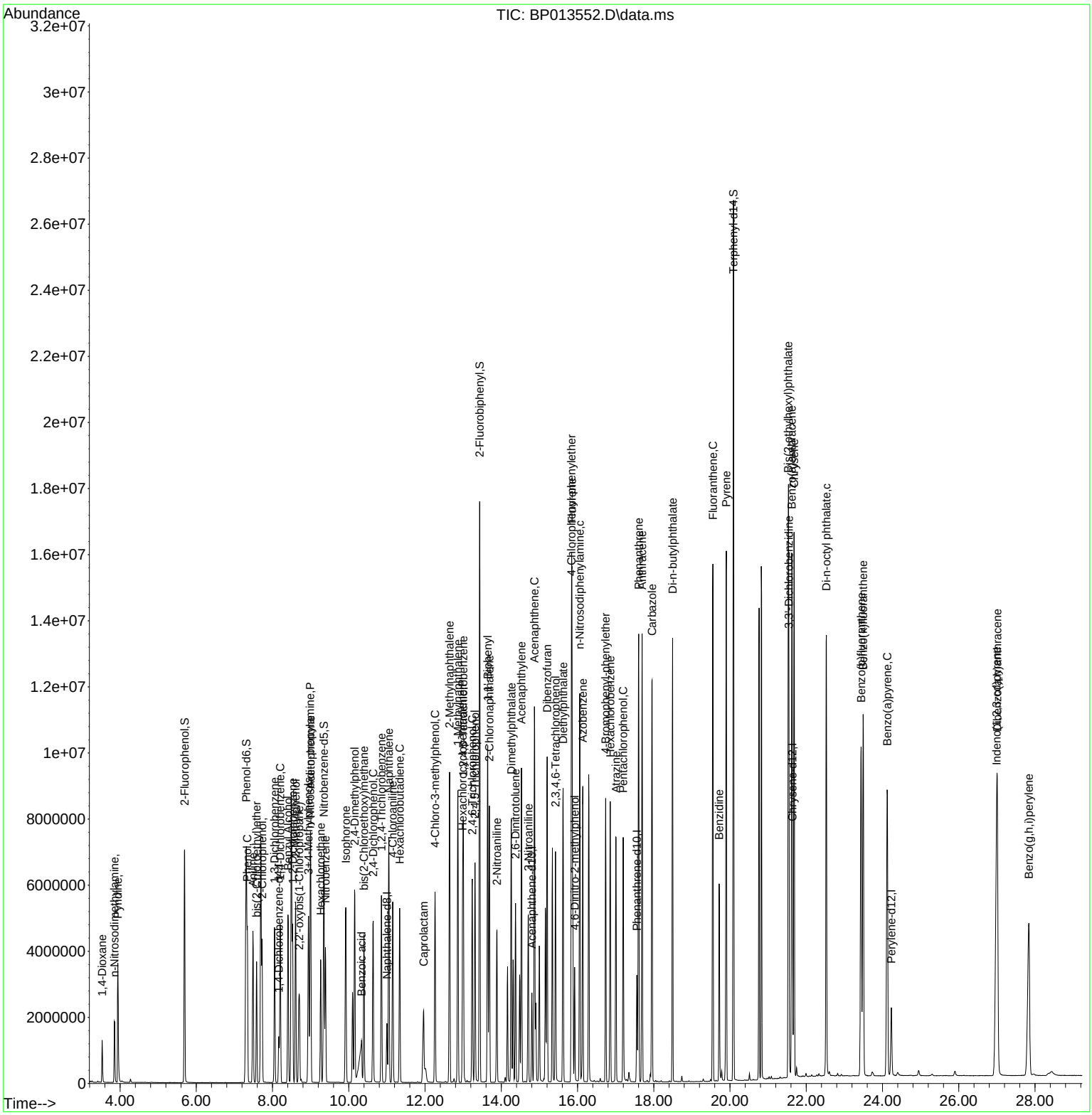
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013552.D
Acq On : 23 Jan 2023 16:01
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

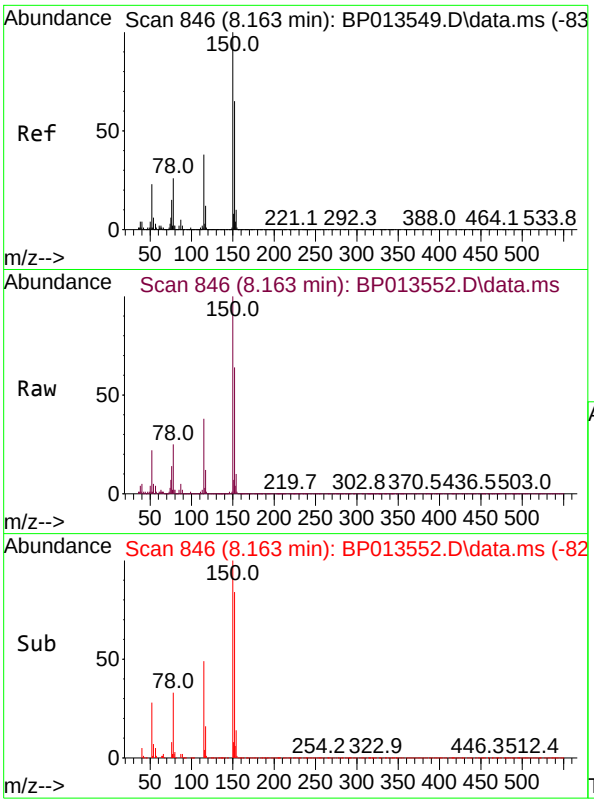
Quant Time: Jan 24 03:07:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 03:01:10 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

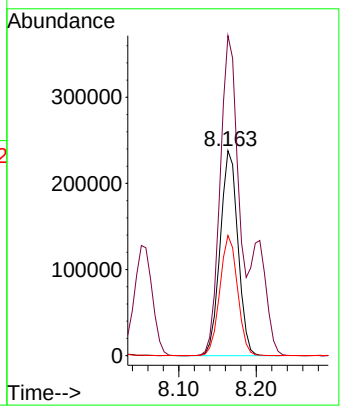




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.163 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:152 Resp: 378884

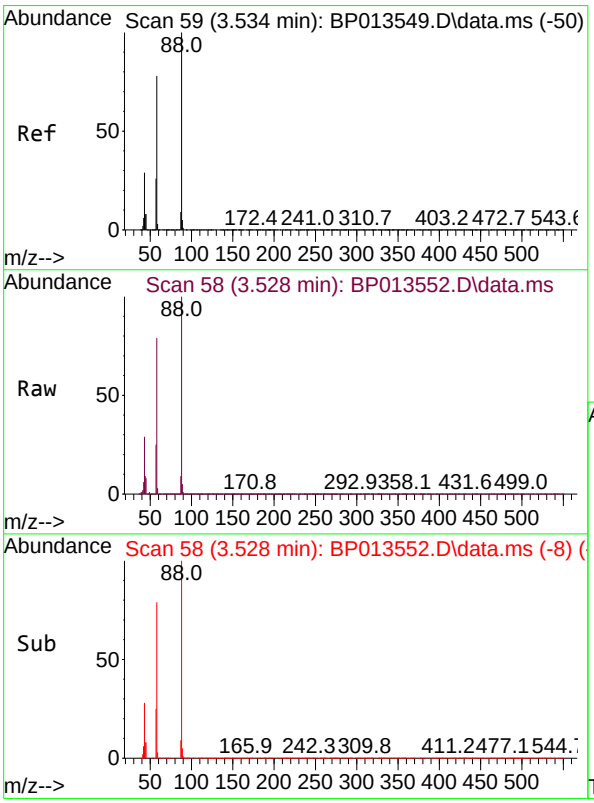
Ion	Ratio	Lower	Upper
152	100		
150	156.2	122.4	183.6
115	58.6	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

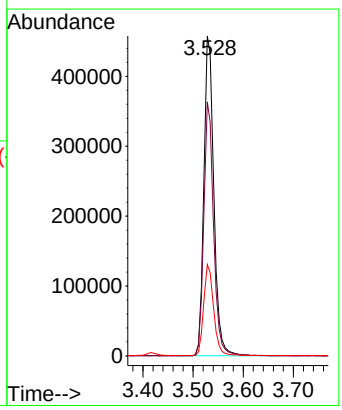
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

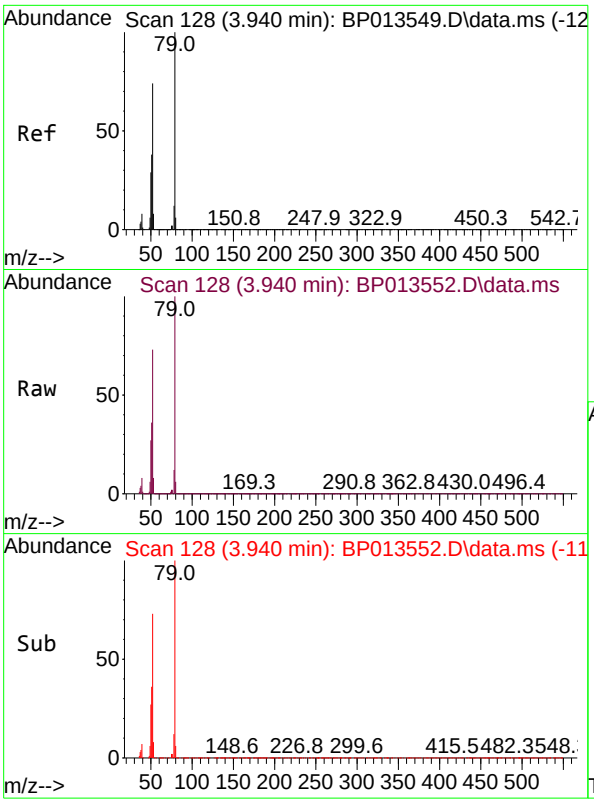


#2
1,4-Dioxane
Concen: 70.847 ng
RT: 3.528 min Scan# 58
Delta R.T. -0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion: 88 Resp: 631575

Ion	Ratio	Lower	Upper
88	100		
58	78.4	63.6	95.4
43	28.6	24.2	36.2

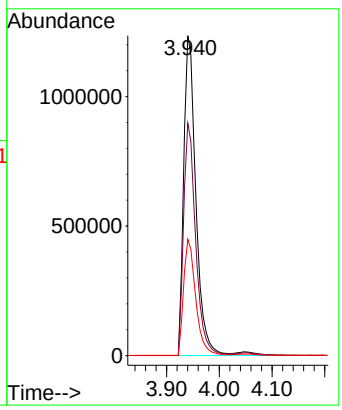




#3
Pyridine
Concen: 76.223 ng m
RT: 3.940 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion: 79 Resp: 201114

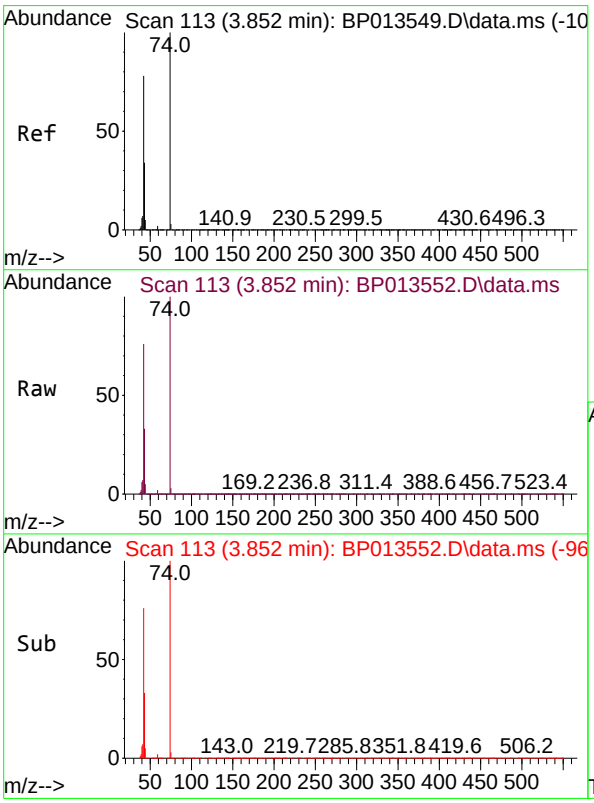
Ion	Ratio	Lower	Upper
79	100		
52	72.6	59.4	89.2
51	36.3	30.6	45.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

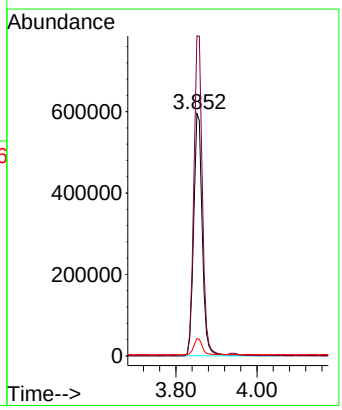
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

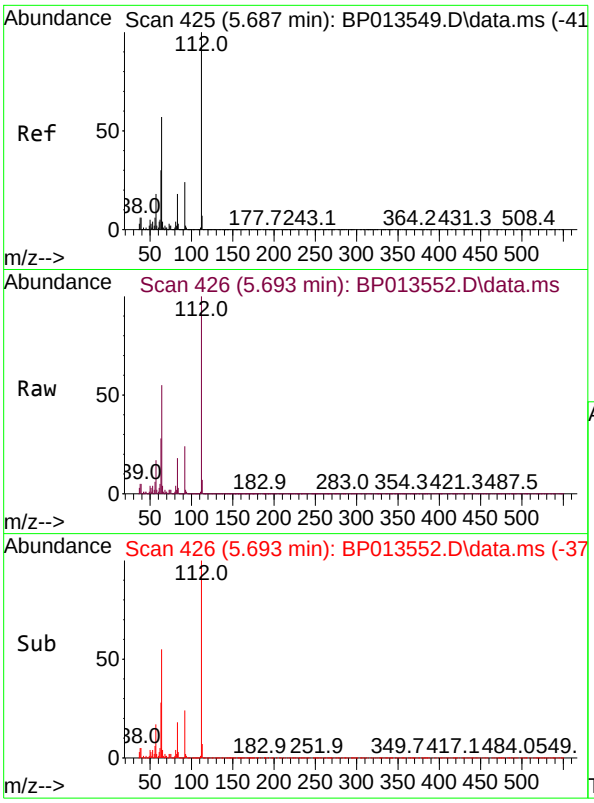


#4
n-Nitrosodimethylamine
Concen: 72.057 ng
RT: 3.852 min Scan# 113
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion: 42 Resp: 862196

Ion	Ratio	Lower	Upper
42	100		
74	132.1	102.3	153.5
44	7.1	6.2	9.2

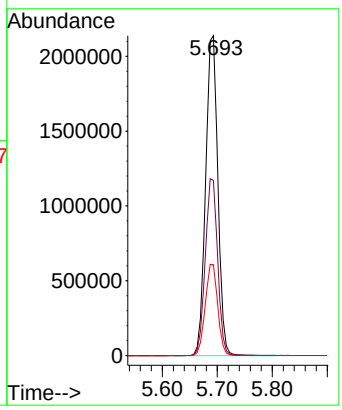




#5
2-Fluorophenol
Concen: 149.435 ng
RT: 5.693 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:112 Resp: 330454

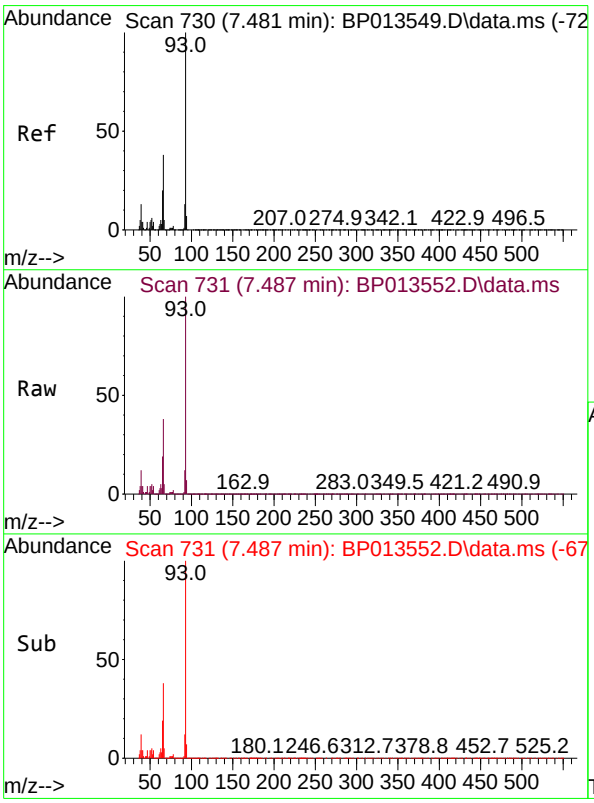
Ion	Ratio	Lower	Upper
112	100		
64	54.8	45.4	68.0
63	28.4	24.1	36.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

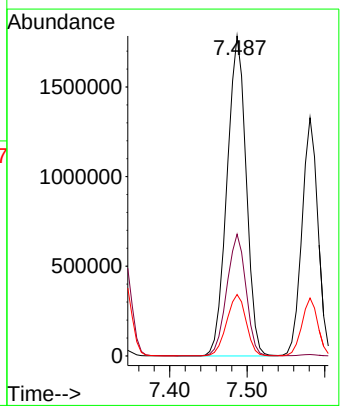
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

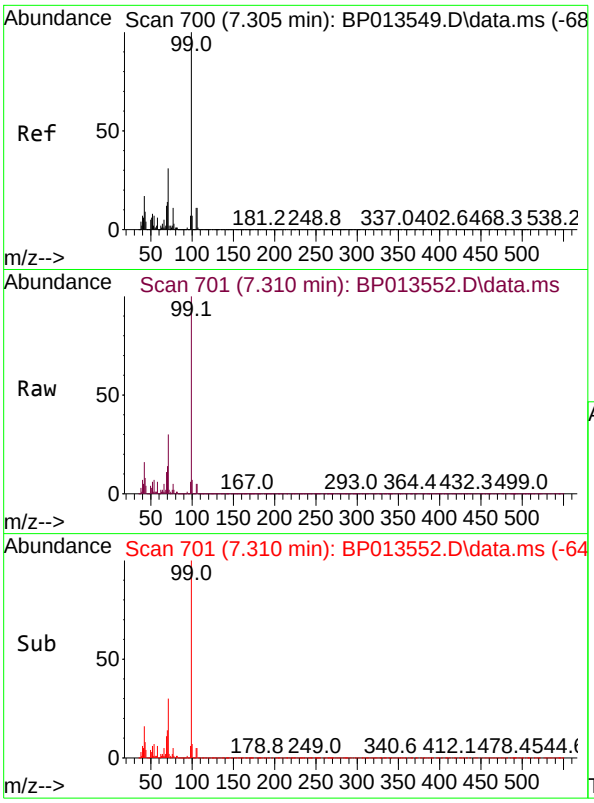


#6
Aniline
Concen: 76.827 ng
RT: 7.487 min Scan# 731
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion: 93 Resp: 3071625

Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.3	45.5
65	19.2	15.9	23.9

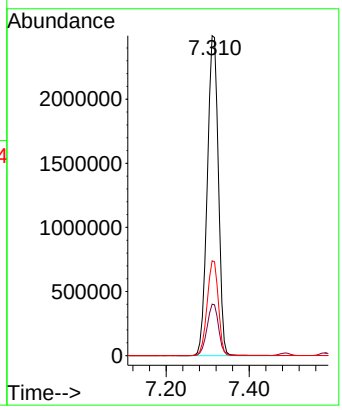




#7
Phenol-d6
Concen: 154.541 ng
RT: 7.310 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion: 99 Resp: 459945

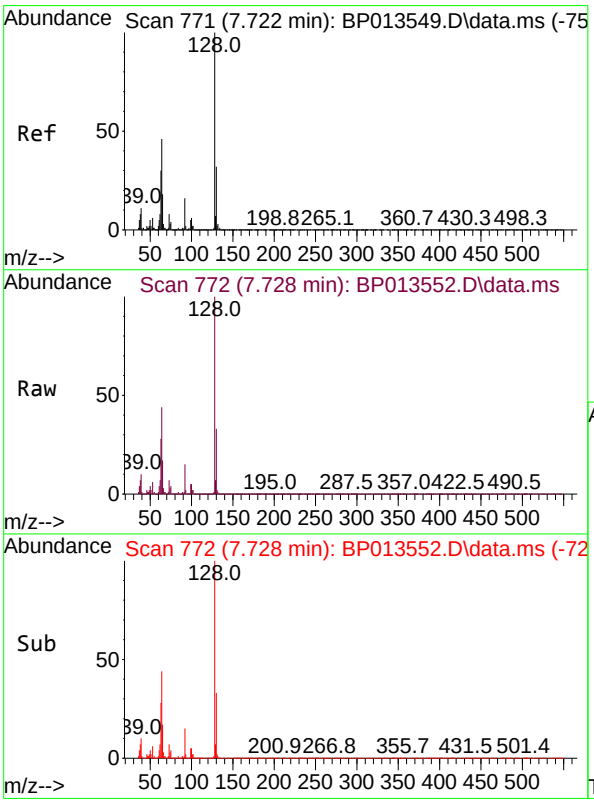
Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.0	21.0
71	29.6	24.7	37.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

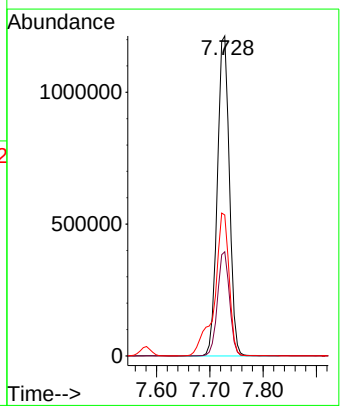
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

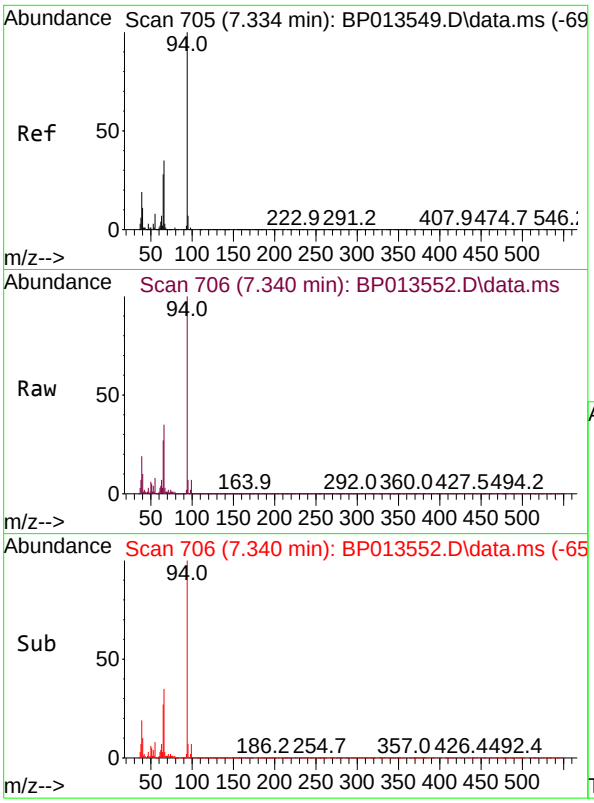


#8
2-Chlorophenol
Concen: 77.897 ng
RT: 7.728 min Scan# 772
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:128 Resp: 1900793

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.4	52.4
64	44.0	26.2	66.2

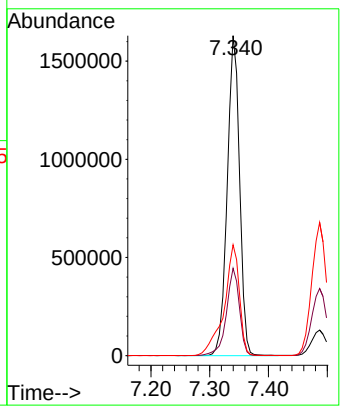




#10
Phenol
Concen: 77.008 ng
RT: 7.340 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion: 94 Resp: 237454

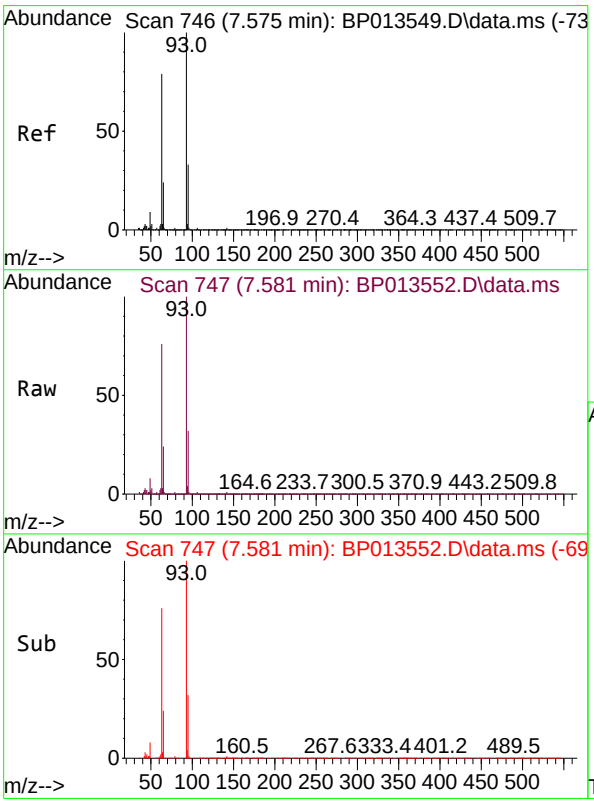
Ion	Ratio	Lower	Upper
94	100		
65	27.3	7.8	47.8
66	34.6	15.5	55.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

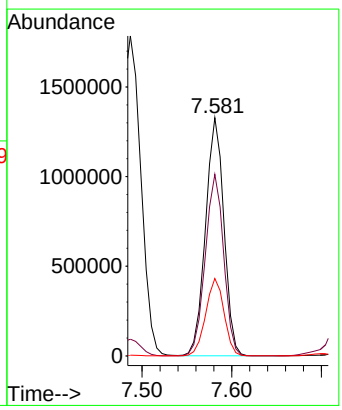
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

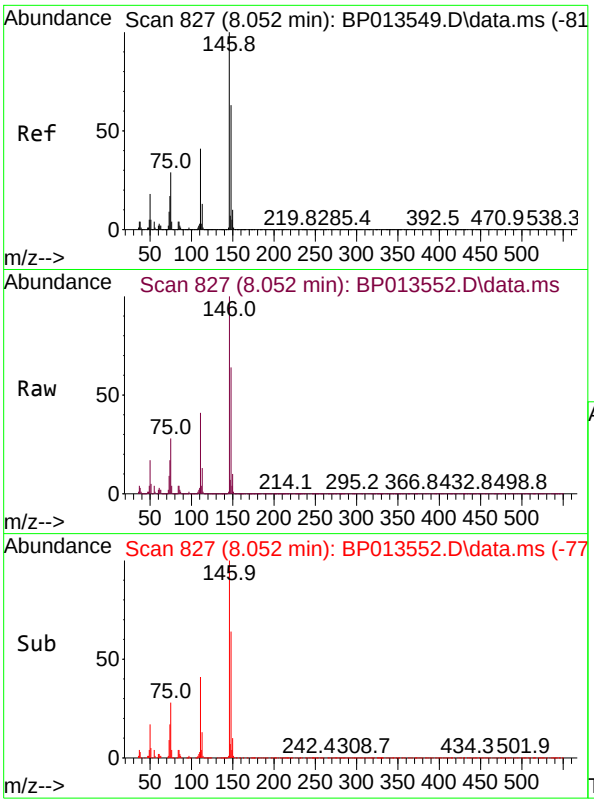


#11
bis(2-Chloroethyl)ether
Concen: 75.317 ng
RT: 7.581 min Scan# 747
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion: 93 Resp: 1898988

Ion	Ratio	Lower	Upper
93	100		
63	76.2	58.7	98.7
95	32.5	12.8	52.8

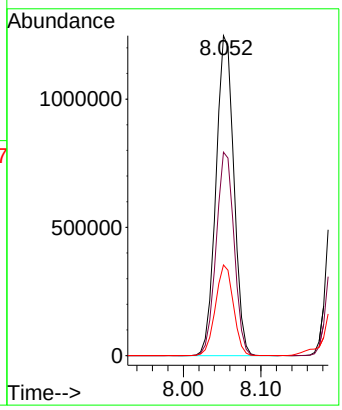




#12
1,3-Dichlorobenzene
Concen: 74.025 ng
RT: 8.052 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:146 Resp: 199754

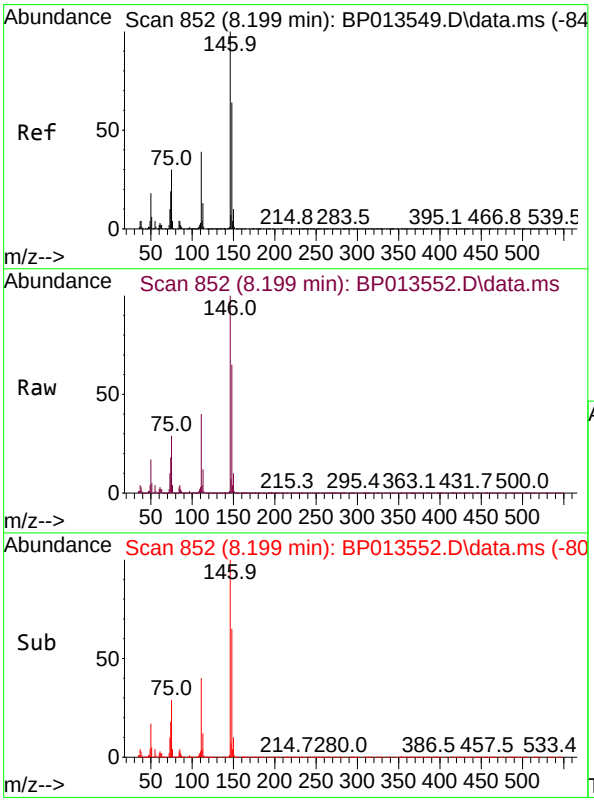
Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.7	76.1
75	28.3	23.4	35.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

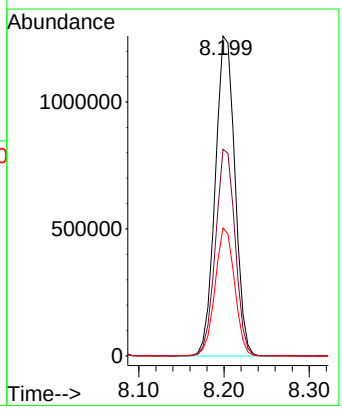
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

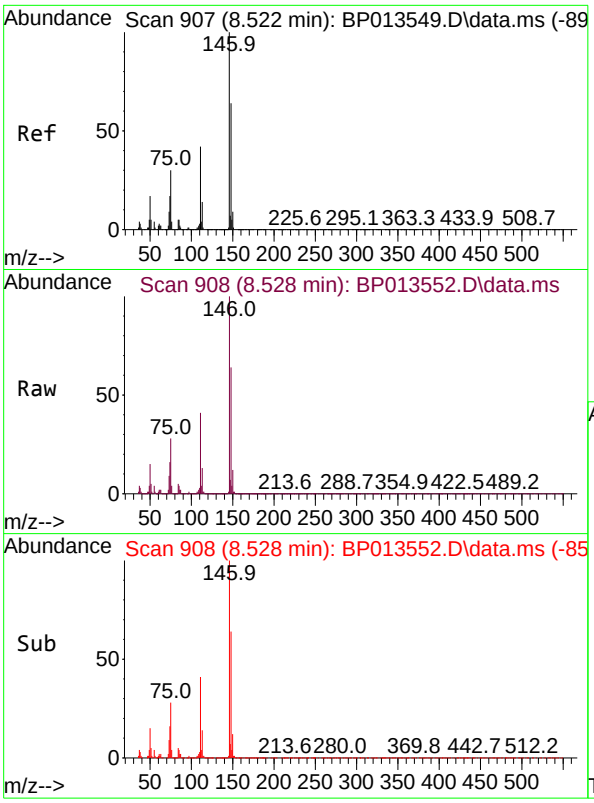


#13
1,4-Dichlorobenzene
Concen: 73.836 ng
RT: 8.199 min Scan# 852
Delta R.T. -0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:146 Resp: 2020288

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.4	77.0
111	40.0	31.4	47.2

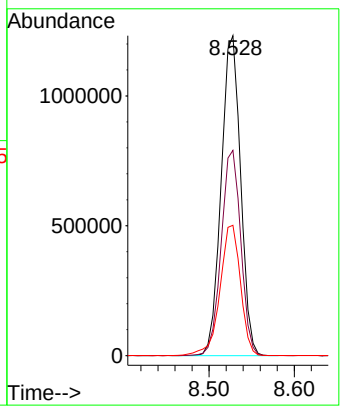




#14
1,2-Dichlorobenzene
Concen: 73.394 ng
RT: 8.528 min Scan# 90
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:146 Resp: 194452

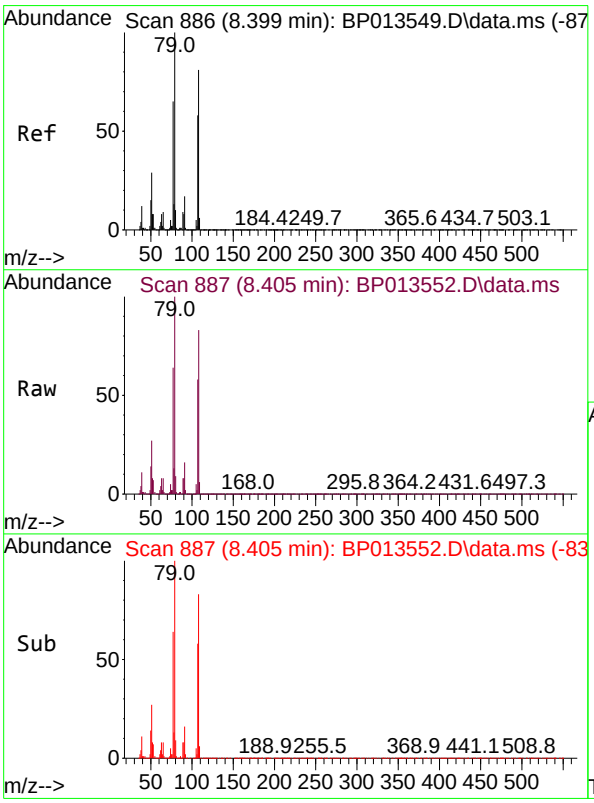
Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.8	76.2
111	40.7	33.4	50.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

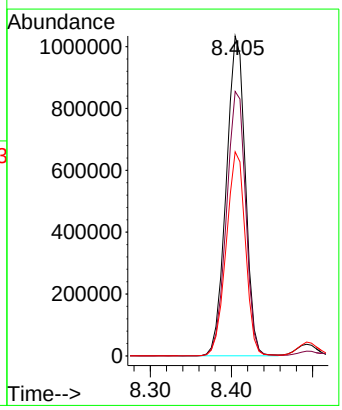
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

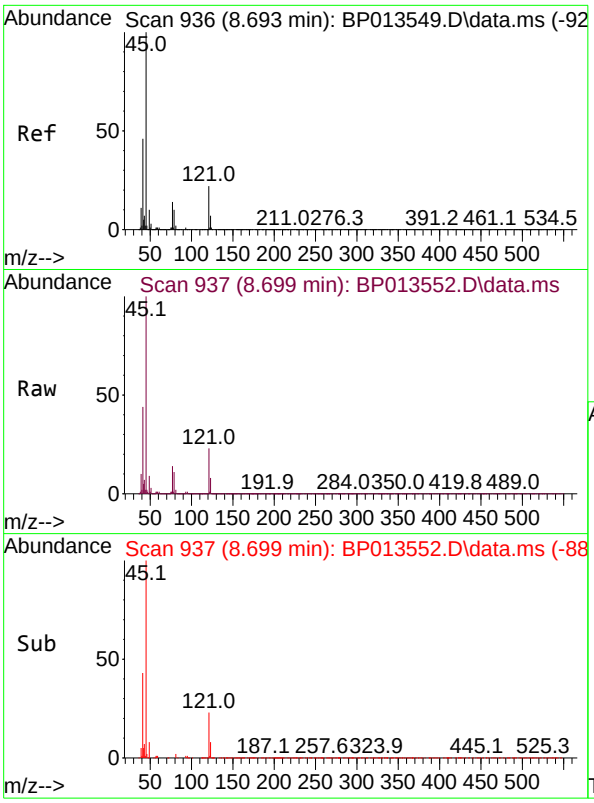


#15
Benzyl Alcohol
Concen: 79.377 ng
RT: 8.405 min Scan# 887
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion: 79 Resp: 1687874

Ion	Ratio	Lower	Upper
79	100		
108	82.6	65.2	97.8
77	63.8	52.3	78.5





#16
2,2'-oxybis(1-Chloropropane)
Concen: 73.379 ng
RT: 8.699 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

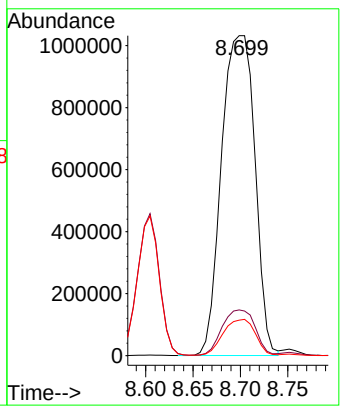
Tgt Ion: 45 Resp: 253671

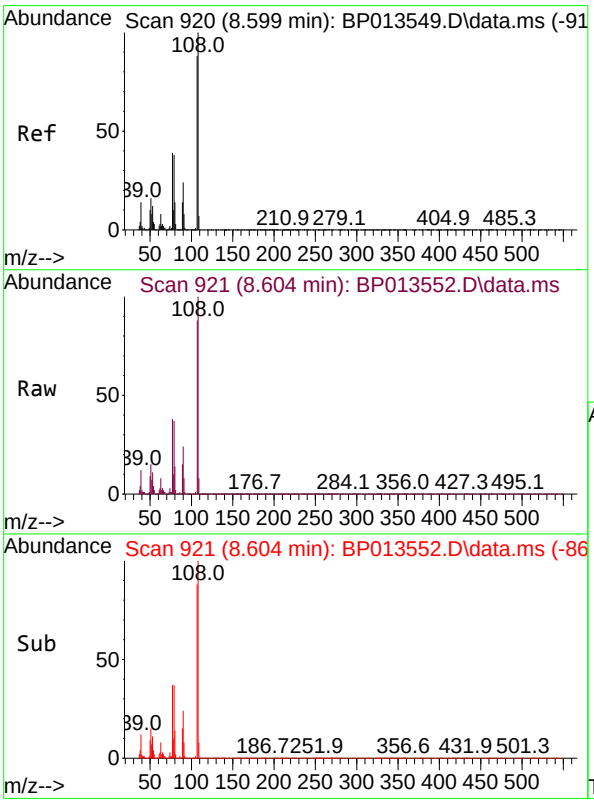
Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	34.2
79	11.1	0.0	30.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

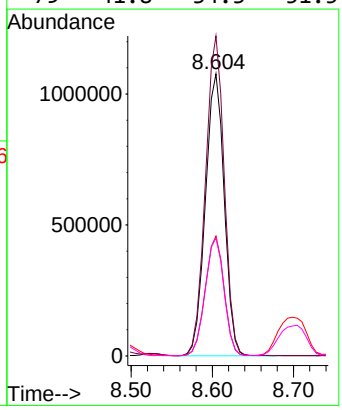


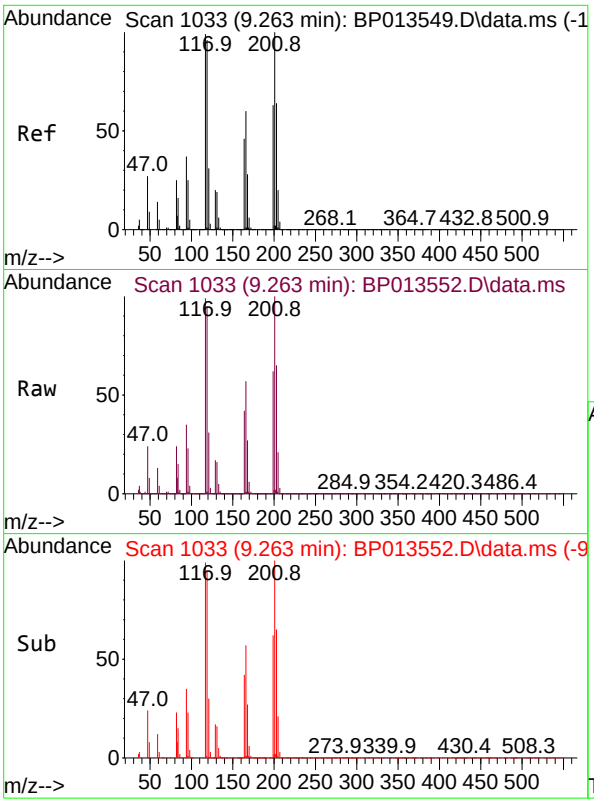


#17
2-Methylphenol
Concen: 77.573 ng
RT: 8.604 min Scan# 921
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:107 Resp: 1737172

Ion	Ratio	Lower	Upper
107	100		
108	113.5	90.5	135.7
77	42.5	35.4	53.2
79	41.8	34.3	51.5

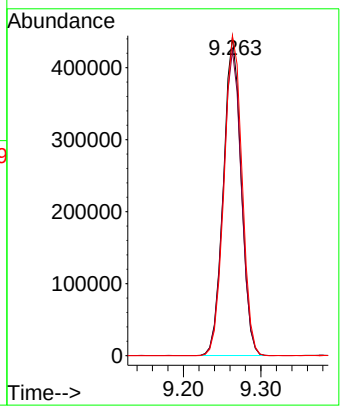




#18
Hexachloroethane
Concen: 77.317 ng
RT: 9.263 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:117 Resp: 707119

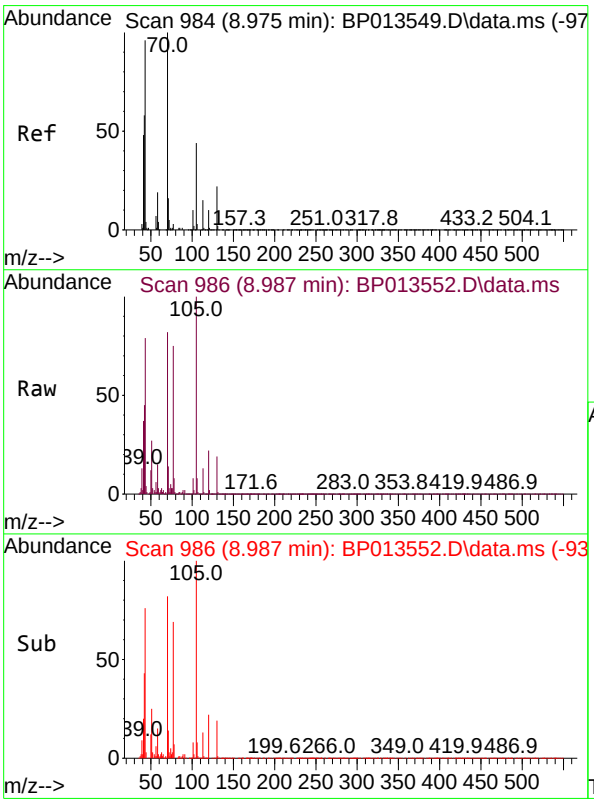
Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.0	115.6
201	100.6	80.6	120.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

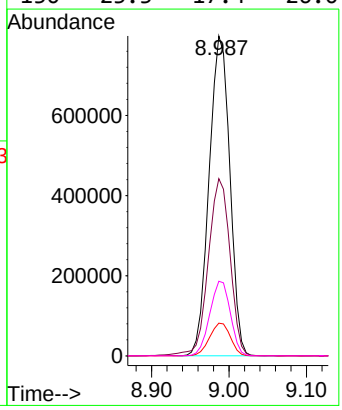
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

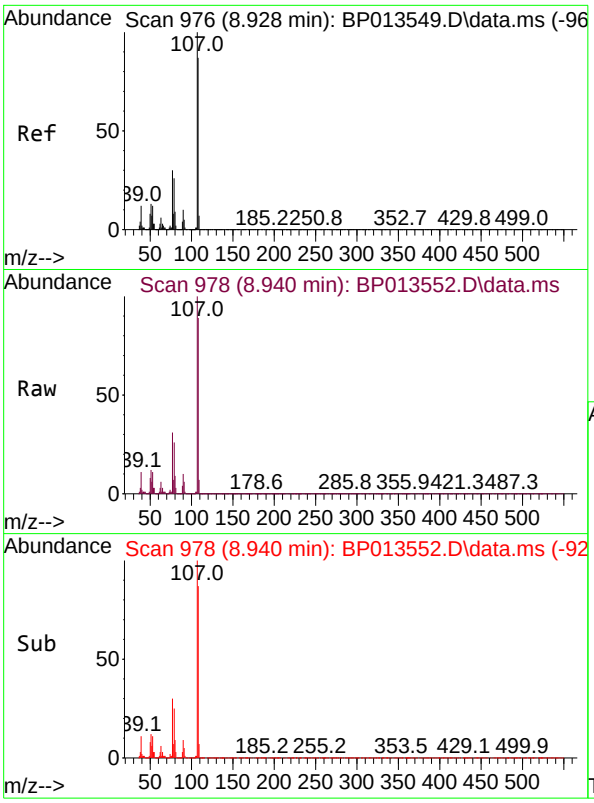


#19
n-Nitroso-di-n-propylamine
Concen: 77.335 ng
RT: 8.987 min Scan# 986
Delta R.T. 0.012 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion: 70 Resp: 1482470

Ion	Ratio	Lower	Upper
70	100		
42	55.4	47.2	70.8
101	10.2	8.0	12.0
130	23.3	17.4	26.0

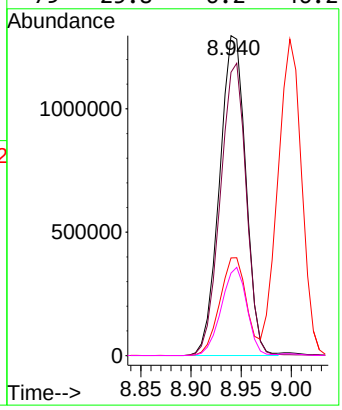




#20
3+4-Methylphenols
Concen: 80.178 ng
RT: 8.940 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:107 Resp: 236332

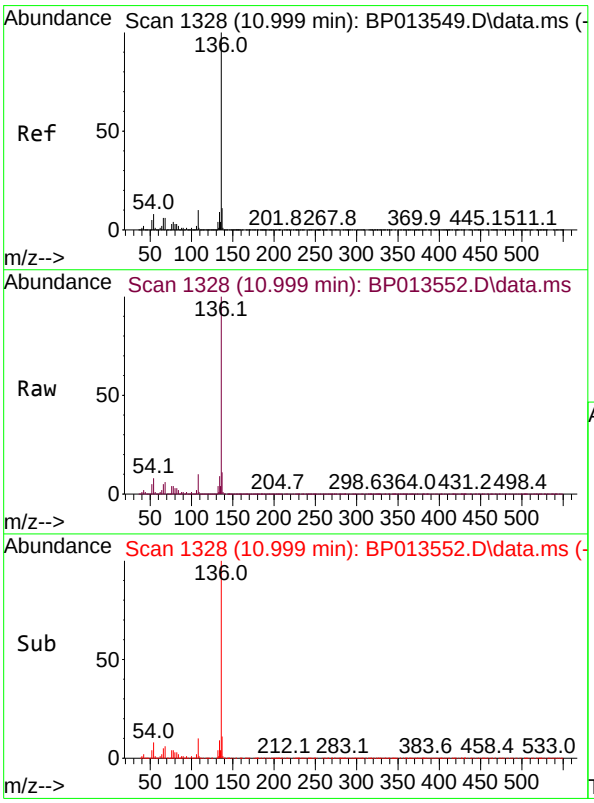
Ion	Ratio	Lower	Upper
107	100		
108	88.6	67.5	107.5
77	30.6	10.5	50.5
79	25.8	6.2	46.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

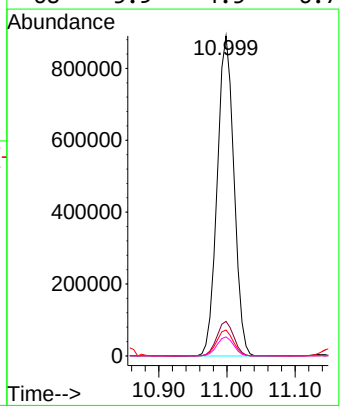
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

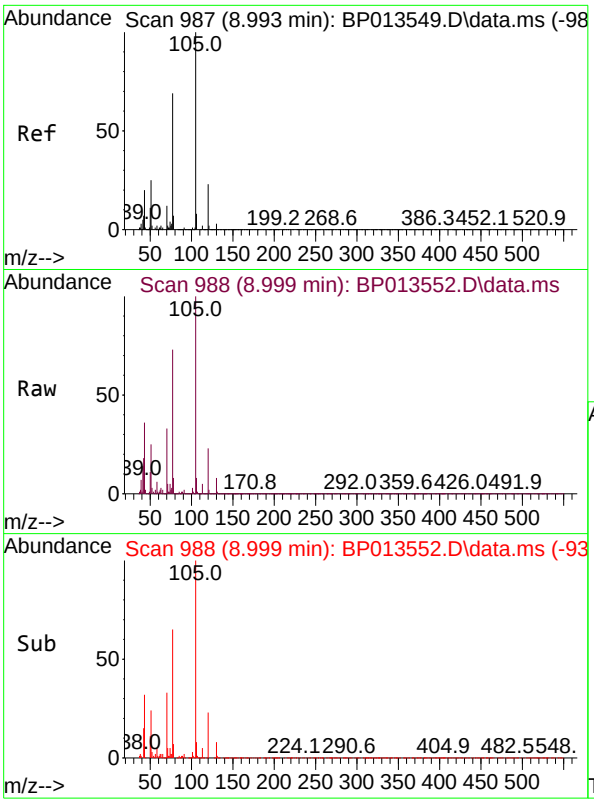


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.999 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:136 Resp: 1507887

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	8.1	6.6	9.8
68	5.9	4.5	6.7

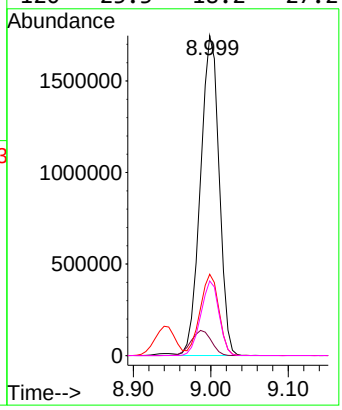




#22
Acetophenone
Concen: 75.551 ng
RT: 8.999 min Scan# 98
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:105 Resp: 292251

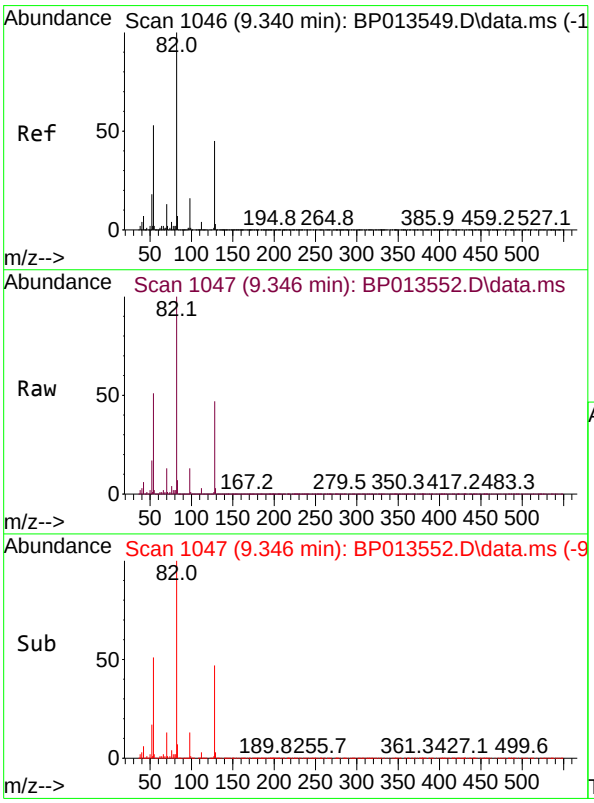
Ion	Ratio	Lower	Upper
105	100		
71	5.4	1.8	2.8#
51	25.4	21.1	31.7
120	23.3	18.2	27.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

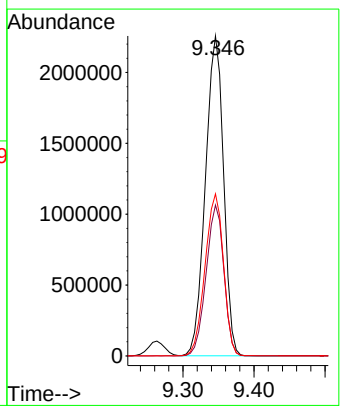
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

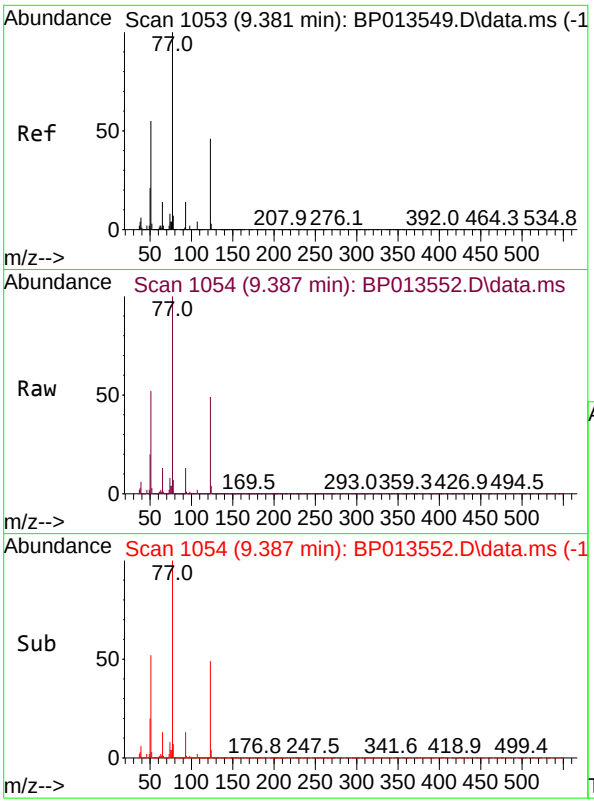


#23
Nitrobenzene-d5
Concen: 174.903 ng
RT: 9.346 min Scan# 1047
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion: 82 Resp: 3994953

Ion	Ratio	Lower	Upper
82	100		
128	47.1	35.8	53.6
54	50.6	42.6	64.0





#24
Nitrobenzene
Concen: 84.610 ng
RT: 9.387 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

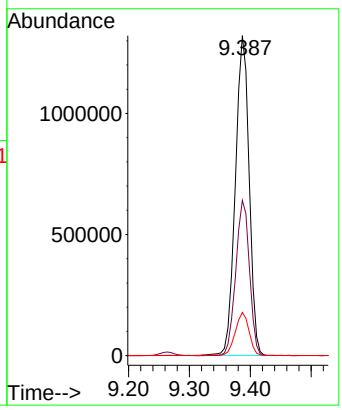
Tgt Ion: 77 Resp: 207791

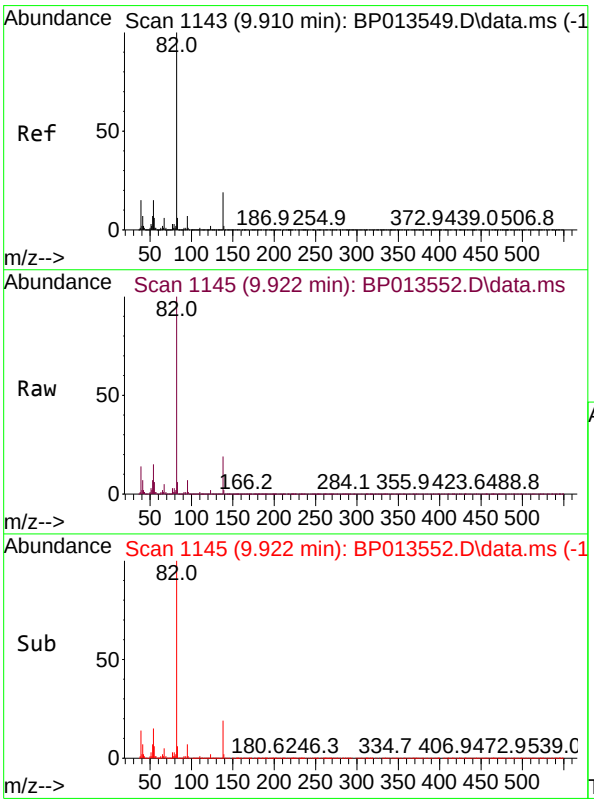
Ion	Ratio	Lower	Upper
77	100		
123	48.5	37.2	55.8
65	13.5	11.1	16.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

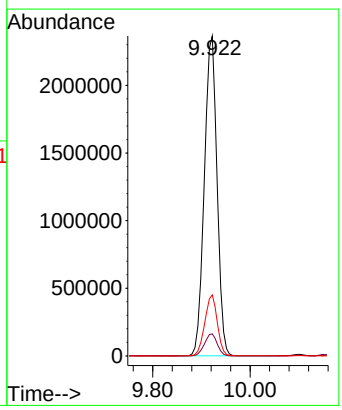


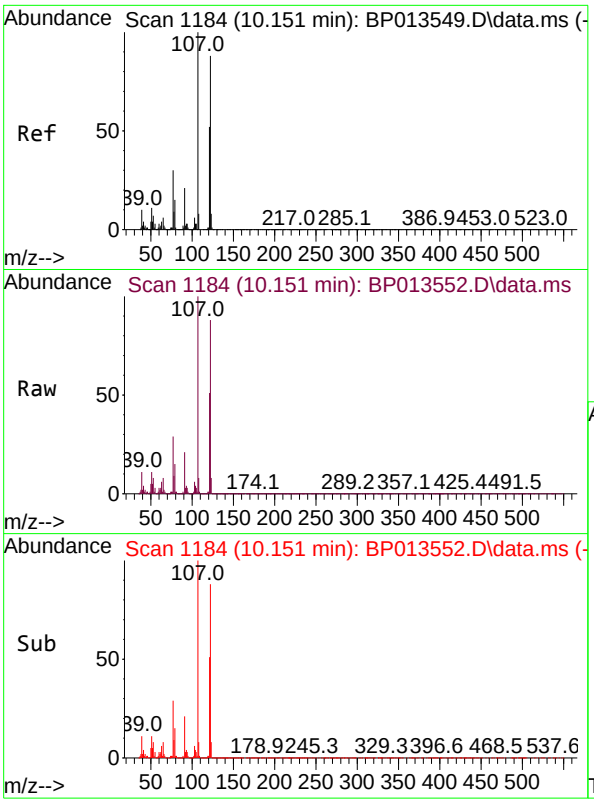


#25
Isophorone
Concen: 79.275 ng
RT: 9.922 min Scan# 1145
Delta R.T. 0.012 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion: 82 Resp: 4294878

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.8
138	19.1	15.1	22.7

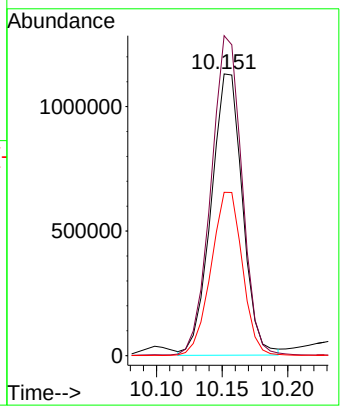




#27
2,4-Dimethylphenol
Concen: 78.842 ng
RT: 10.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:122 Resp: 188294

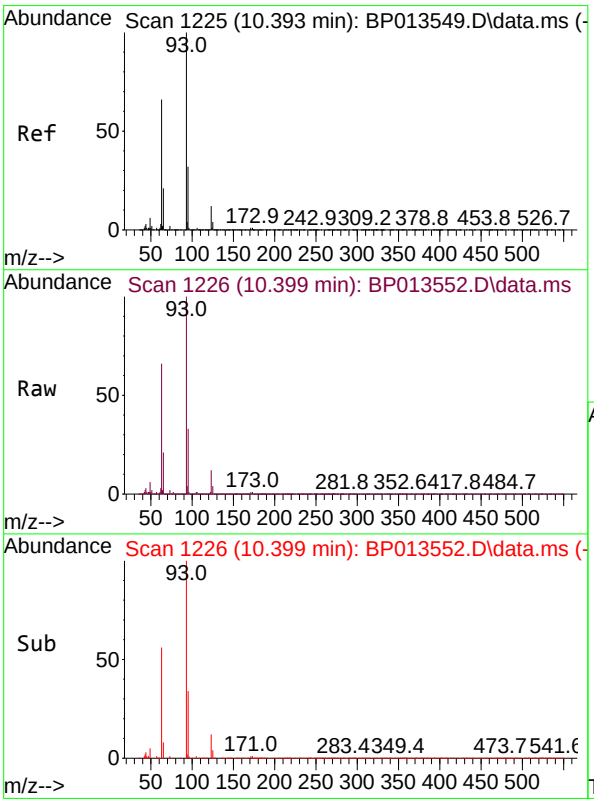
Ion	Ratio	Lower	Upper
122	100		
107	113.6	90.7	136.1
121	58.0	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

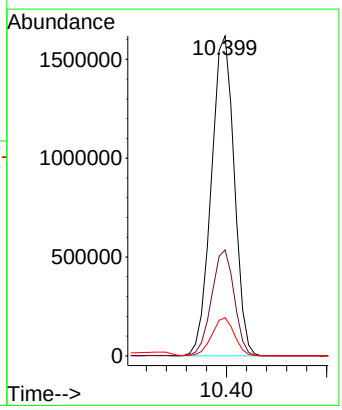
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

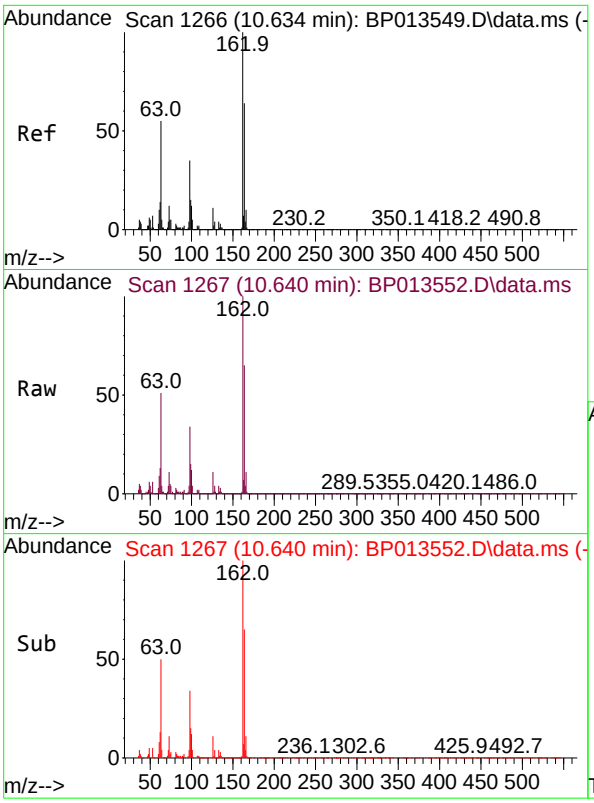


#28
bis(2-Chloroethoxy)methane
Concen: 78.783 ng
RT: 10.399 min Scan# 1226
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion: 93 Resp: 2572170

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.8	38.8
123	11.9	9.4	14.0

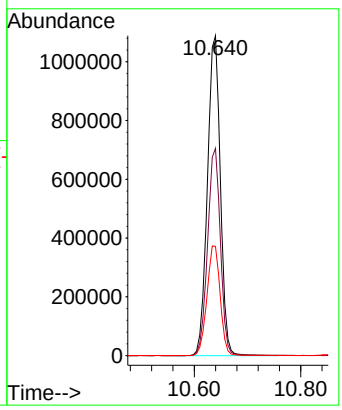




#29
2,4-Dichlorophenol
Concen: 85.383 ng
RT: 10.640 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:162 Resp: 183676

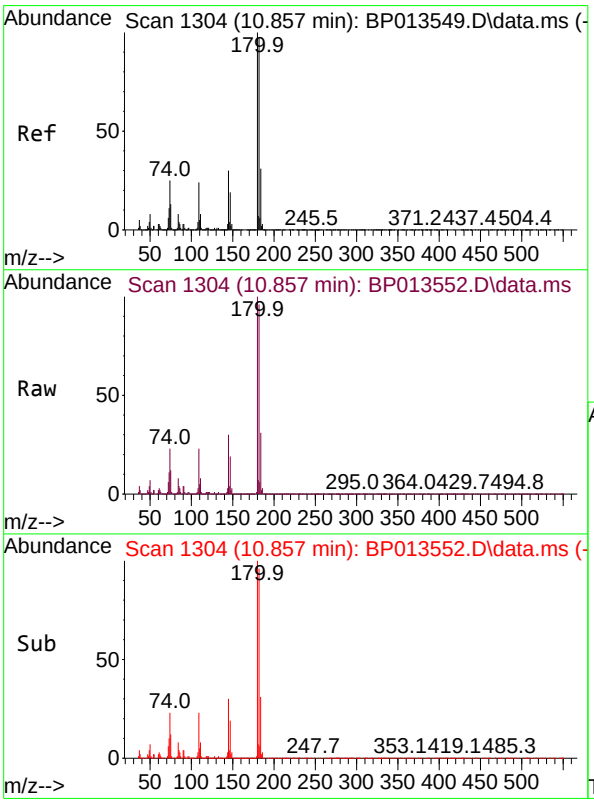
Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.3	84.3
98	34.1	15.3	55.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

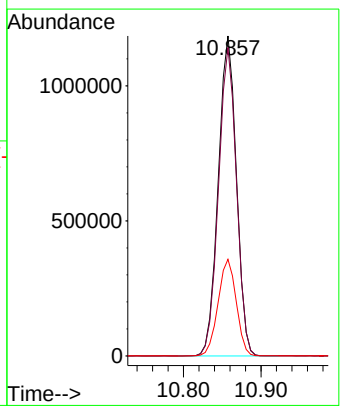
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

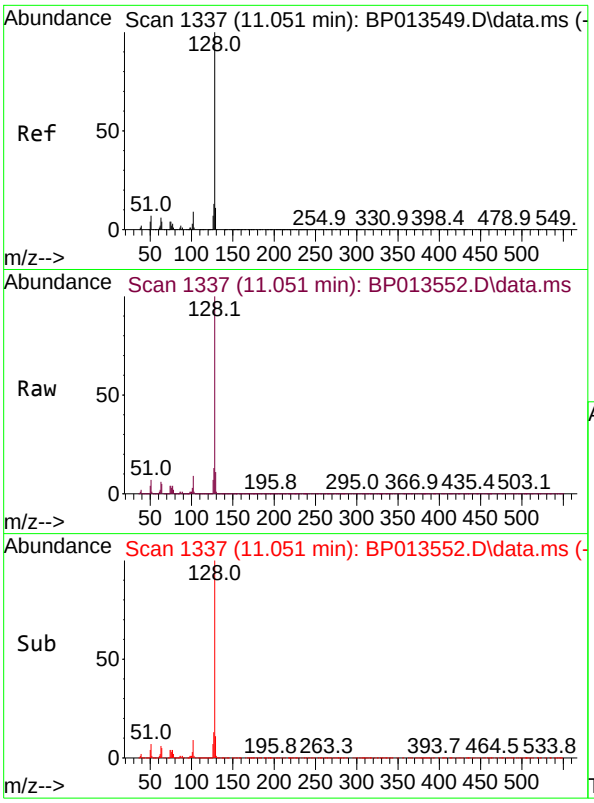


#30
1,2,4-Trichlorobenzene
Concen: 78.526 ng
RT: 10.857 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:180 Resp: 1927786

Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.9	116.9
145	30.2	24.0	36.0

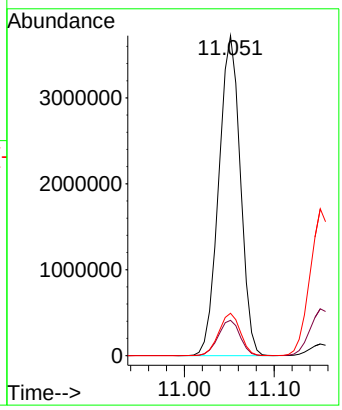




#31
Naphthalene
Concen: 77.011 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:128 Resp: 624290

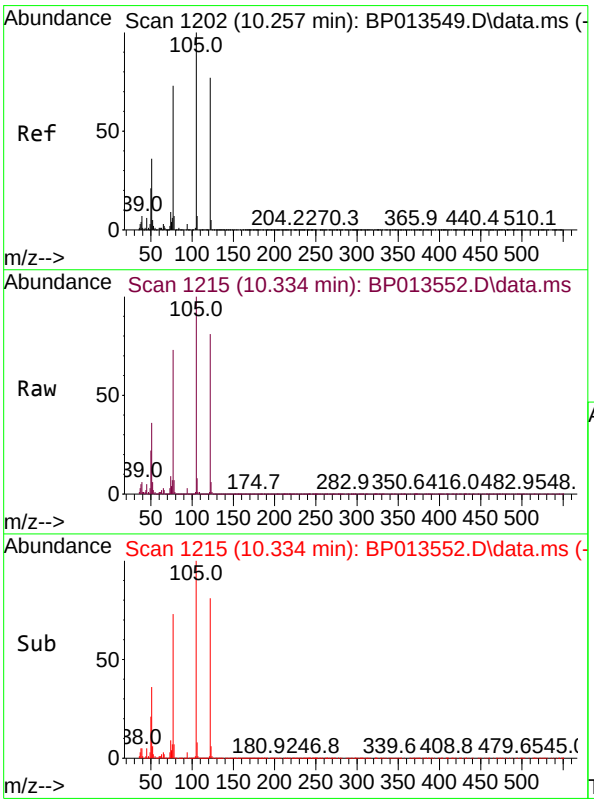
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.5	12.7
127	13.2	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

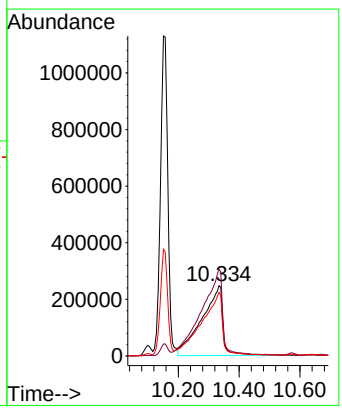
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

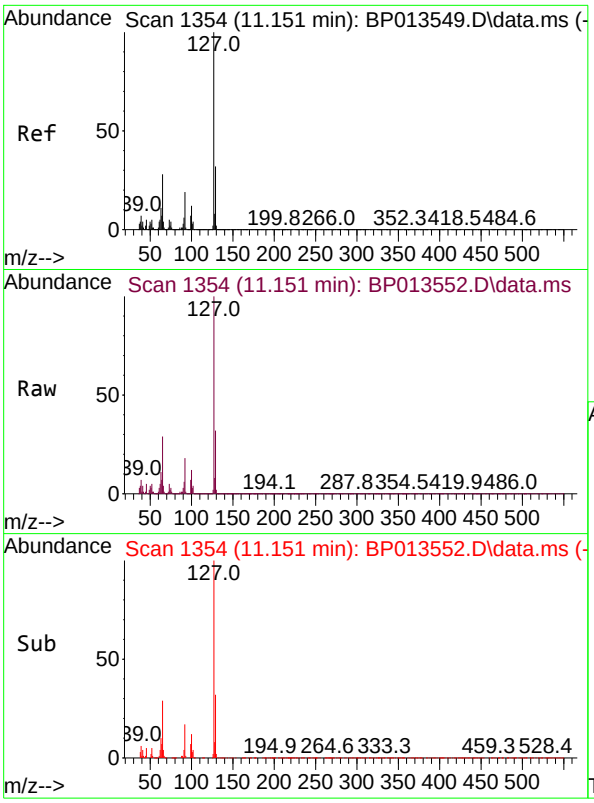


#32
Benzoic acid
Concen: 113.511 ng
RT: 10.334 min Scan# 1215
Delta R.T. 0.076 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:122 Resp: 1184849

Ion	Ratio	Lower	Upper
122	100		
105	123.5	100.5	140.5
77	90.2	70.9	110.9

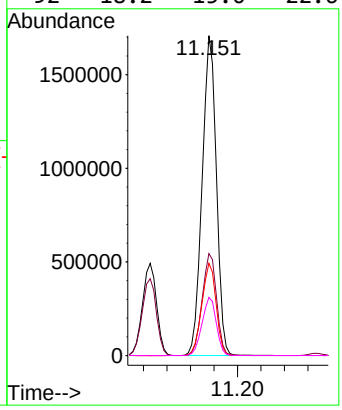




#33
4-Chloroaniline
Concen: 80.127 ng
RT: 11.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:127 Resp: 287411

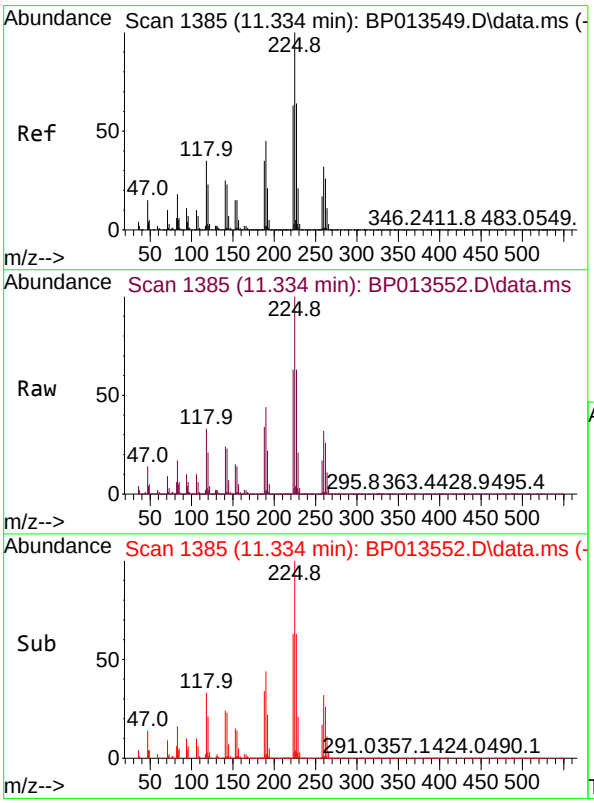
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.7	38.5
65	28.8	22.7	34.1
92	18.2	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

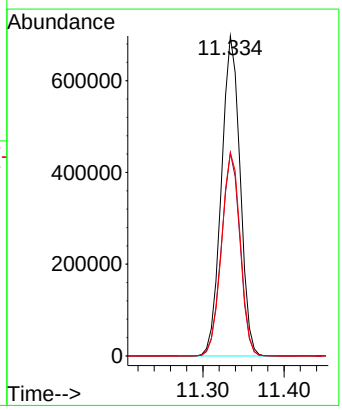
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

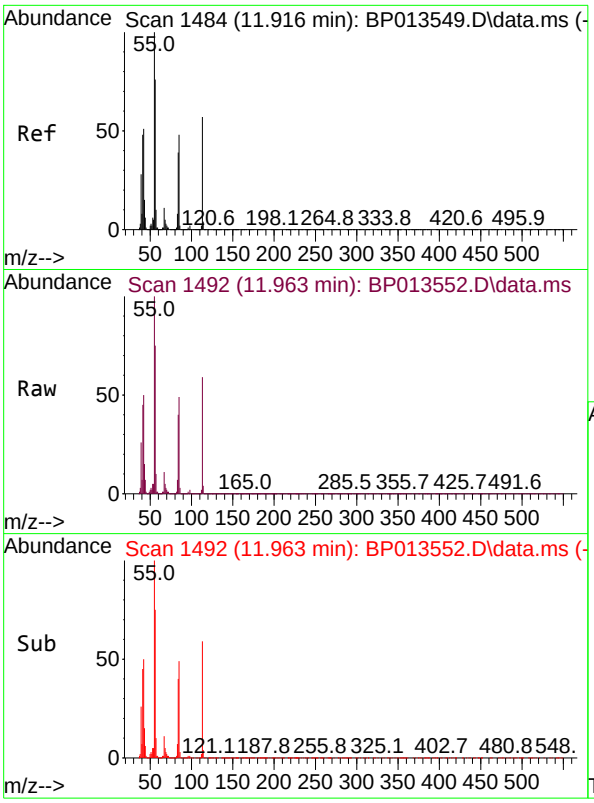


#34
Hexachlorobutadiene
Concen: 77.881 ng
RT: 11.334 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:225 Resp: 1112644

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.2	75.2
227	63.5	51.4	77.2

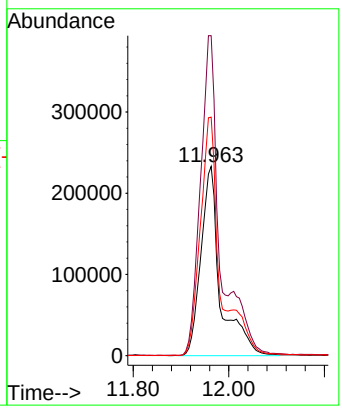




#35
Caprolactam
Concen: 95.175 ng m
RT: 11.963 min Scan# 14
Delta R.T. 0.047 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:113 Resp: 66135

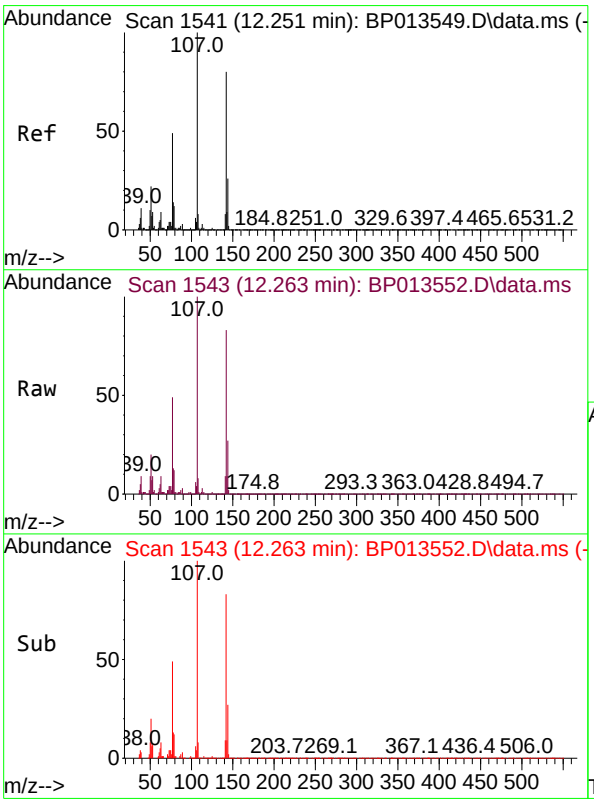
Ion	Ratio	Lower	Upper
113	100		
55	169.1	156.5	196.5
56	126.1	113.5	153.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

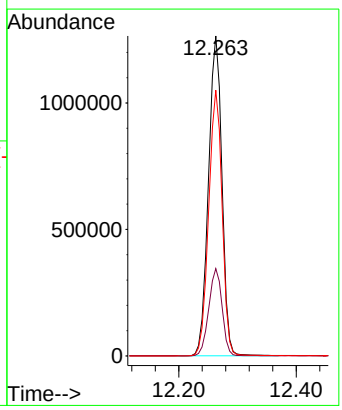
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

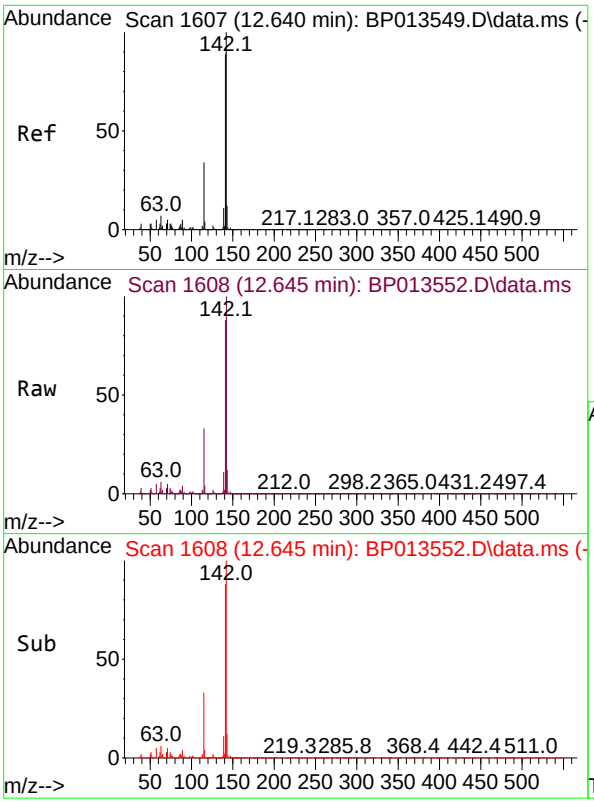


#36
4-Chloro-3-methylphenol
Concen: 86.004 ng
RT: 12.263 min Scan# 1543
Delta R.T. 0.012 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:107 Resp: 2014885

Ion	Ratio	Lower	Upper
107	100		
144	27.3	21.1	31.7
142	83.0	64.0	96.0

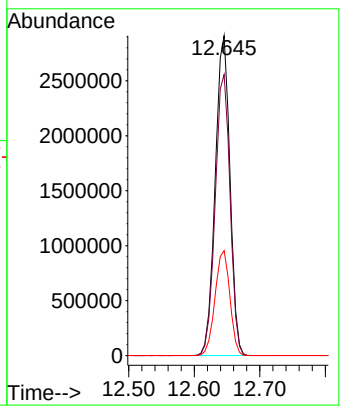




#37
2-Methylnaphthalene
Concen: 79.074 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:142 Resp: 455638

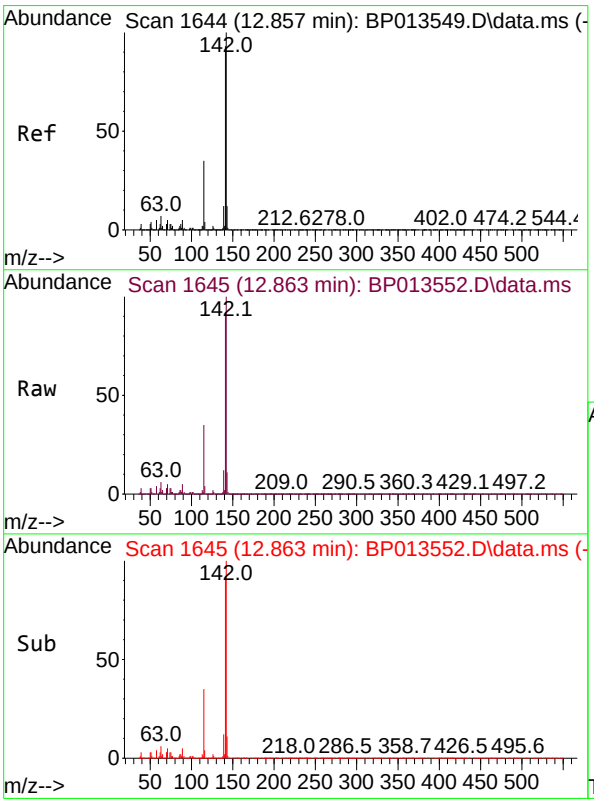
Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.4	107.2
115	32.9	27.4	41.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

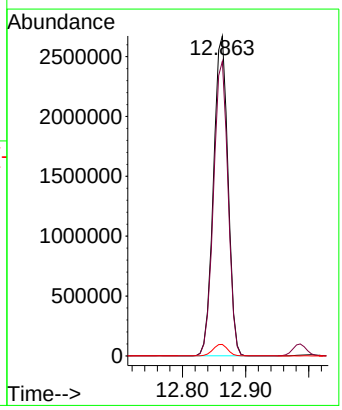
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

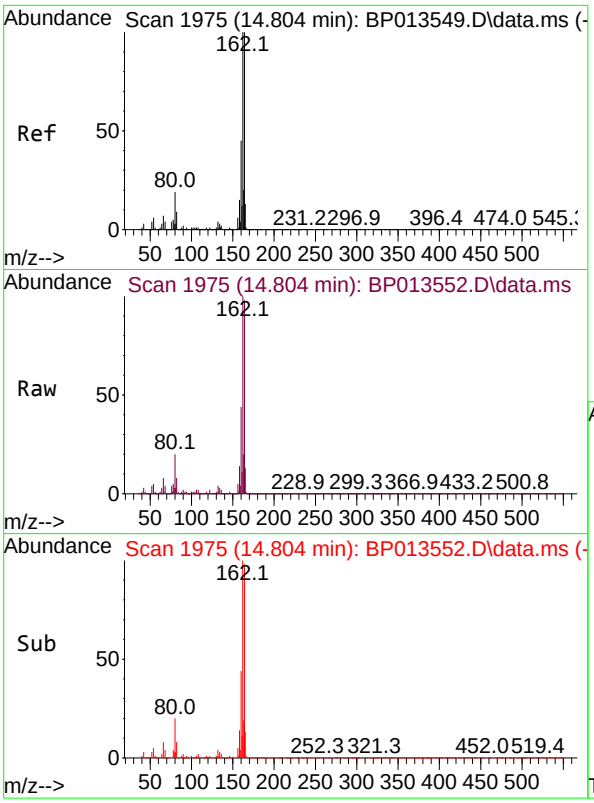


#38
1-Methylnaphthalene
Concen: 78.812 ng
RT: 12.863 min Scan# 1645
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:142 Resp: 4267198

Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.3	111.5
116	3.6	3.0	4.6

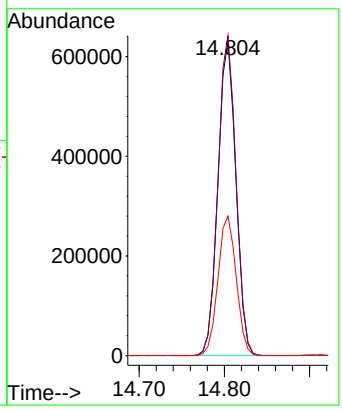




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.804 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:164 Resp: 92290

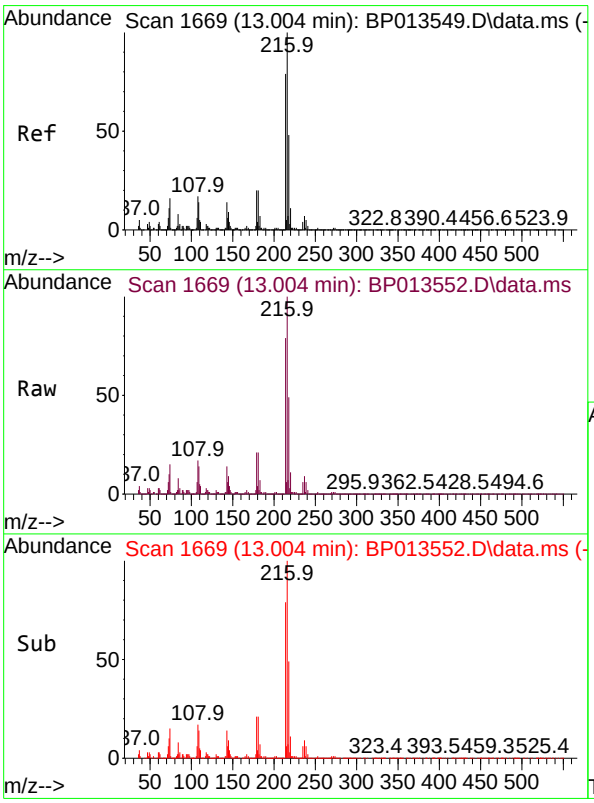
Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.1	120.1
160	44.3	35.9	53.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

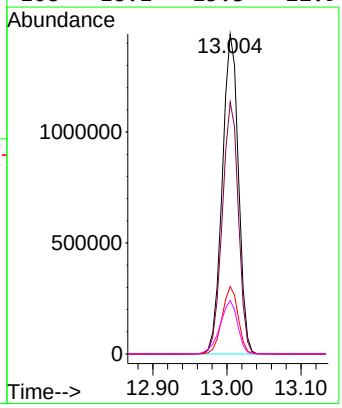
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

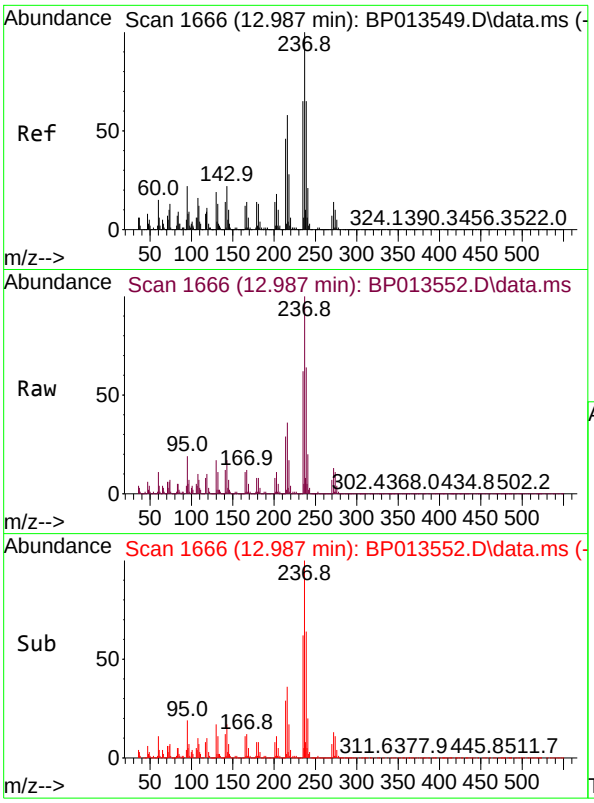


#40
1,2,4,5-Tetrachlorobenzene
Concen: 76.635 ng
RT: 13.004 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:216 Resp: 2177491

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.9	94.3
179	20.8	16.6	24.8
108	18.1	15.3	22.9





#41
Hexachlorocyclopentadiene
Concen: 87.565 ng
RT: 12.987 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

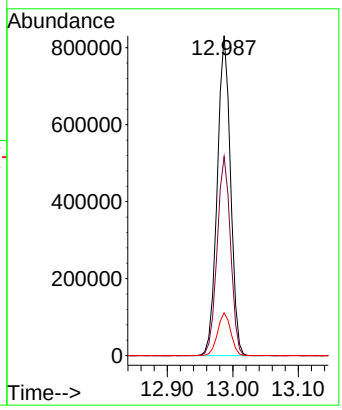
Tgt Ion:237 Resp: 117123

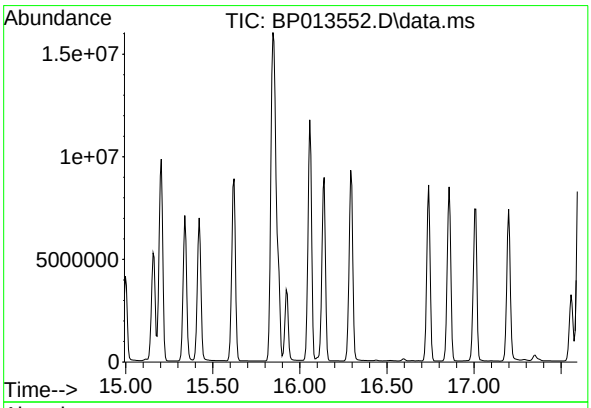
Ion	Ratio	Lower	Upper
237	100		
235	62.2	44.6	84.6
272	13.4	0.0	33.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



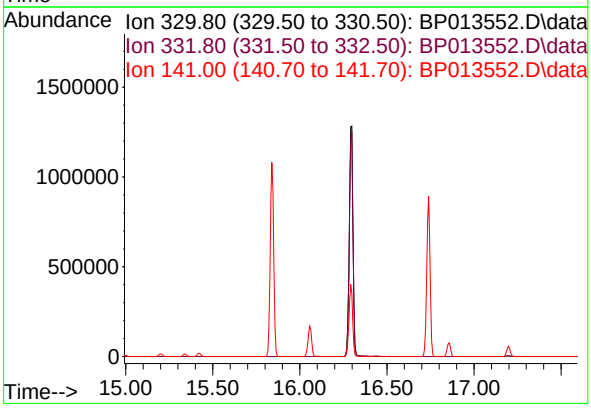


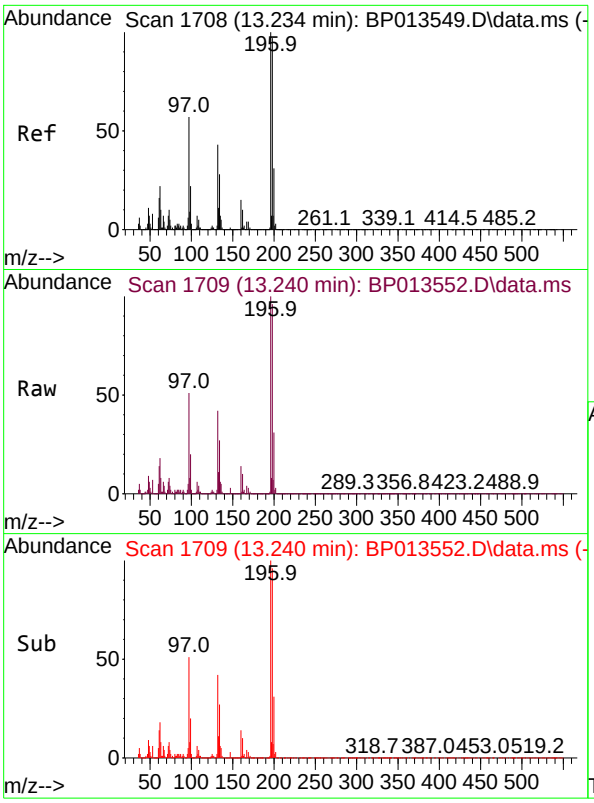
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.29 min

Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.8
141	34.5

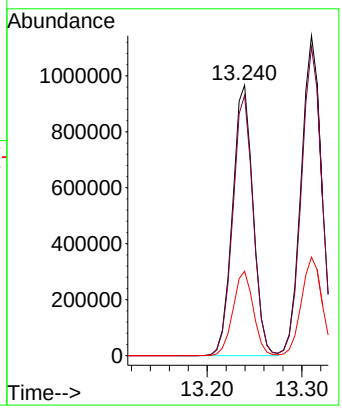




#43
2,4,6-Trichlorophenol
Concen: 87.585 ng
RT: 13.240 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:196 Resp: 145651

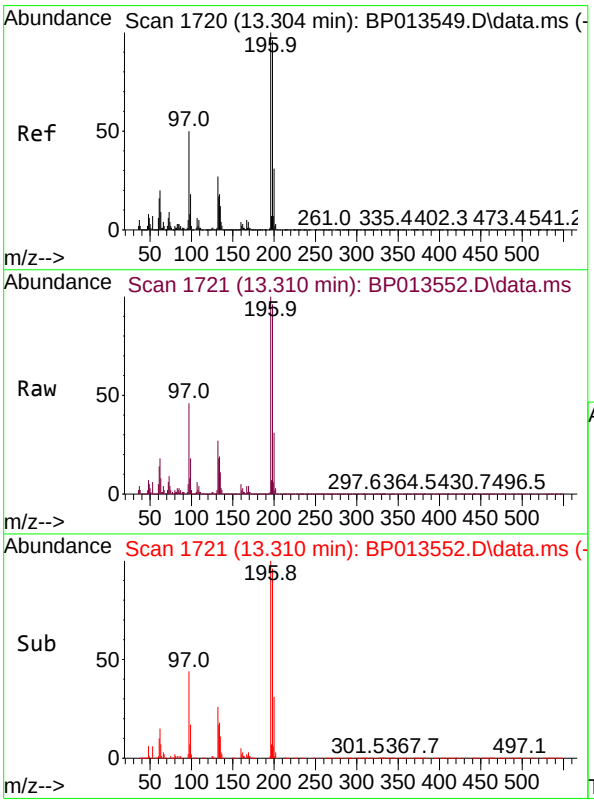
Ion	Ratio	Lower	Upper
196	100		
198	96.3	77.3	115.9
200	31.2	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

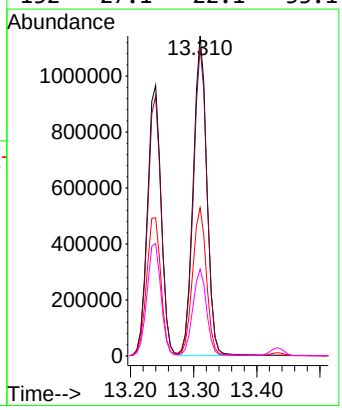
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

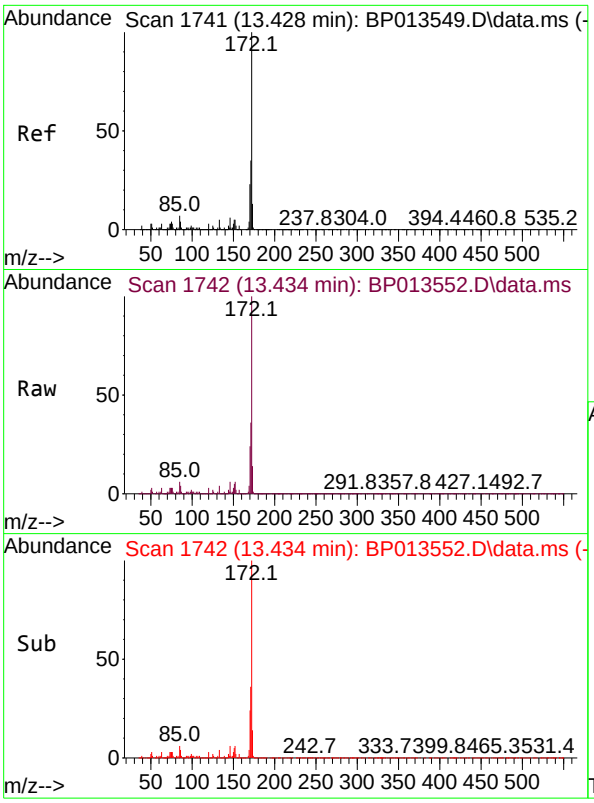


#44
2,4,5-Trichlorophenol
Concen: 87.401 ng
RT: 13.310 min Scan# 1721
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:196 Resp: 1717485

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.7	115.1
97	46.3	40.0	60.0
132	27.1	22.1	33.1

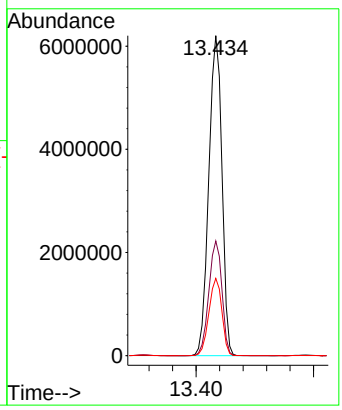




#45
2-Fluorobiphenyl
Concen: 142.934 ng
RT: 13.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:172 Resp: 961022

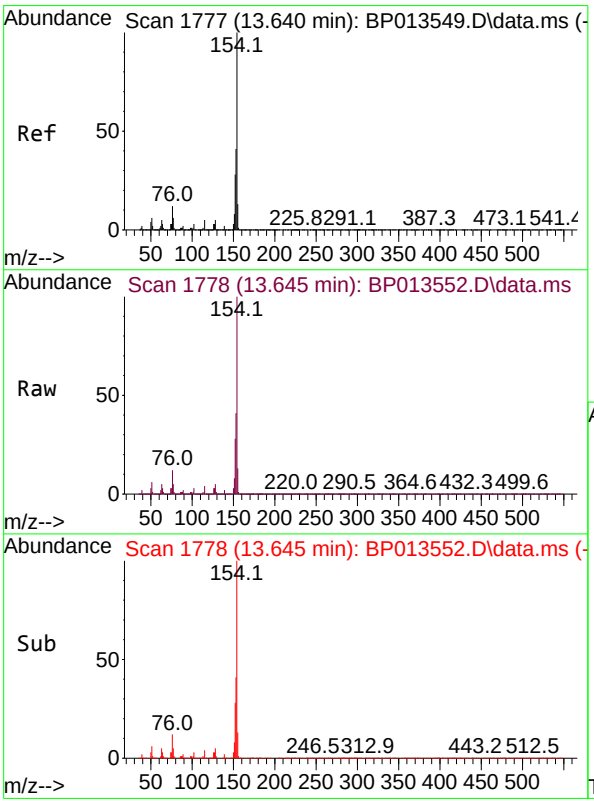
Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.8	41.8
170	24.1	18.6	27.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

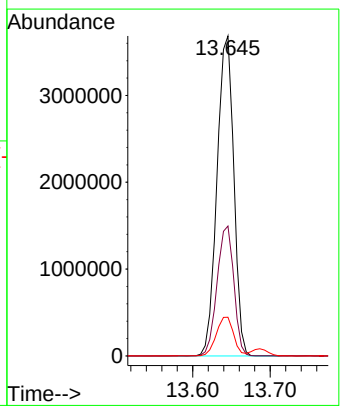
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

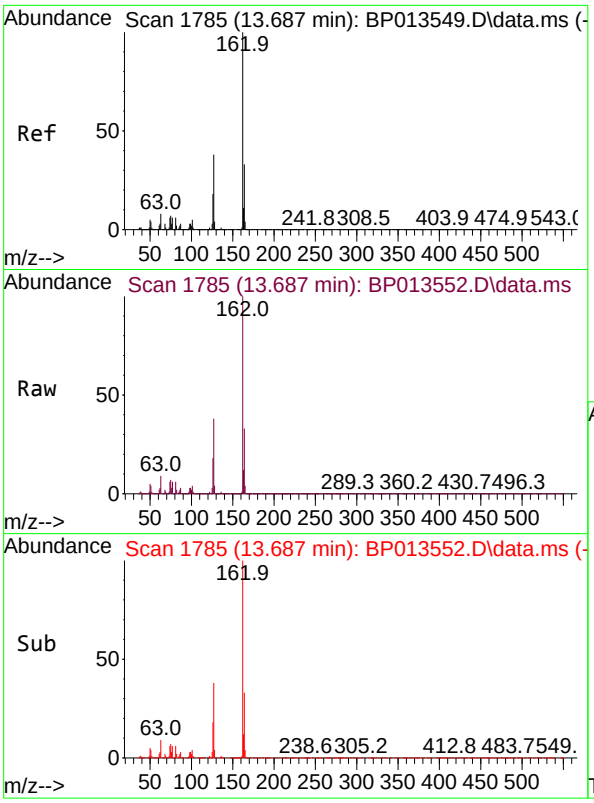


#46
1,1'-Biphenyl
Concen: 74.841 ng
RT: 13.645 min Scan# 1778
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:154 Resp: 5547165

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.5	60.5
76	12.1	0.0	32.1

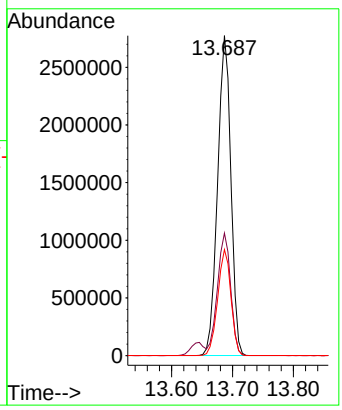




#47
2-Chloronaphthalene
Concen: 75.558 ng
RT: 13.687 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:162 Resp: 419558

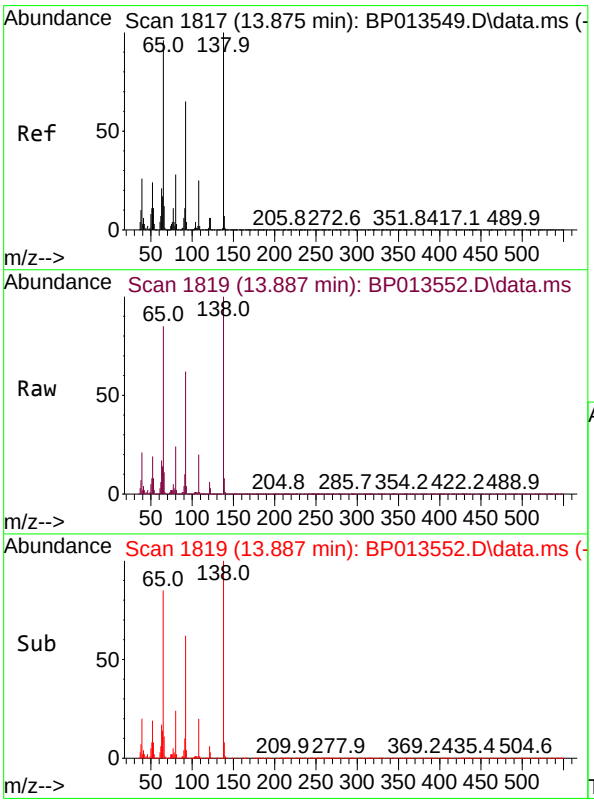
Ion	Ratio	Lower	Upper
162	100		
127	38.3	30.8	46.2
164	33.1	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

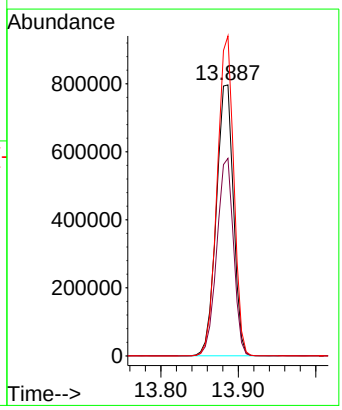
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

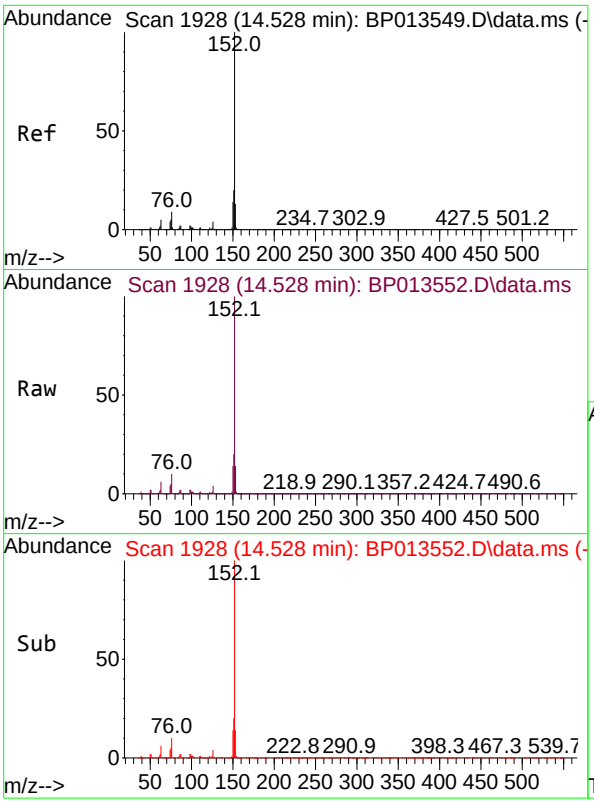


#48
2-Nitroaniline
Concen: 110.297 ng
RT: 13.887 min Scan# 1819
Delta R.T. 0.012 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion: 65 Resp: 1225426

Ion	Ratio	Lower	Upper
65	100		
92	72.9	54.1	81.1
138	118.1	83.6	125.4

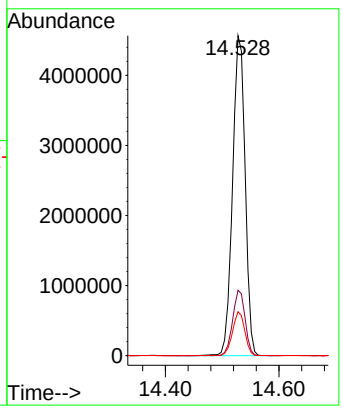




#49
Acenaphthylene
Concen: 77.344 ng
RT: 14.528 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:152 Resp: 702356

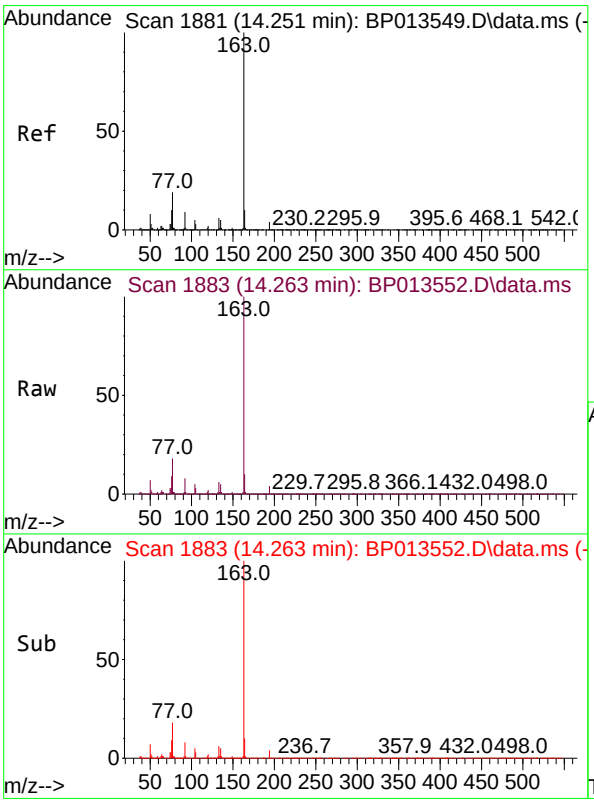
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	13.7	10.1	15.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

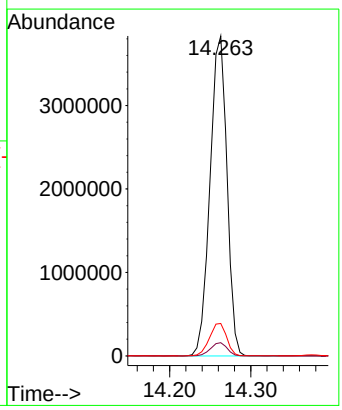
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

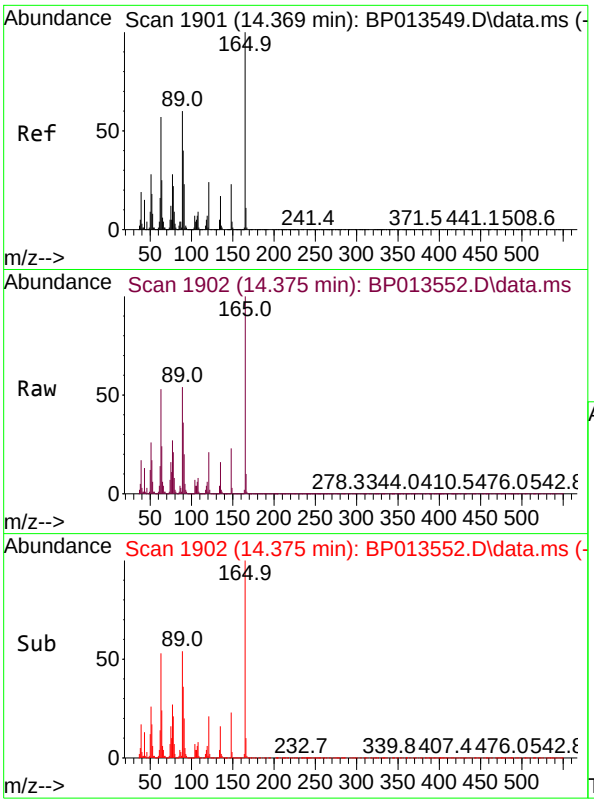


#50
Dimethylphthalate
Concen: 81.012 ng
RT: 14.263 min Scan# 1883
Delta R.T. 0.012 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:163 Resp: 5557745

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.1	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 104.970 ng
RT: 14.375 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

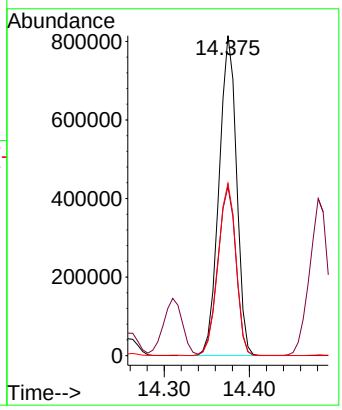
Tgt Ion:165 Resp: 116276

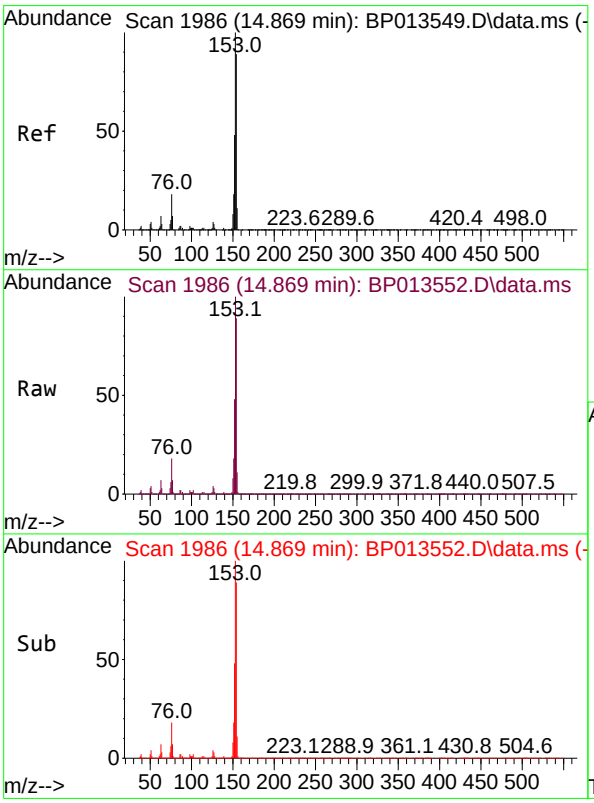
Ion	Ratio	Lower	Upper
165	100		
63	52.8	47.2	70.8
89	53.8	47.8	71.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

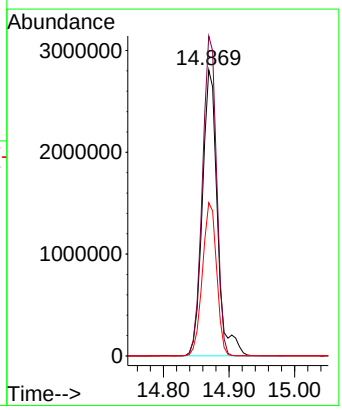


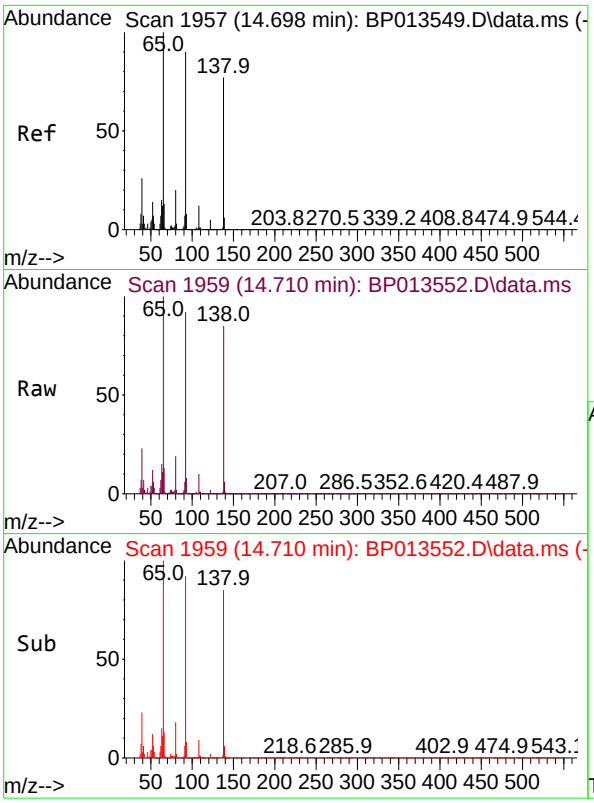


#52
Acenaphthene
Concen: 79.270 ng
RT: 14.869 min Scan# 1986
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:154 Resp: 4446596

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.4	134.0
152	53.6	42.7	64.1





#53
3-Nitroaniline
Concen: 106.514 ng
RT: 14.710 min Scan# 19
Delta R.T. 0.012 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

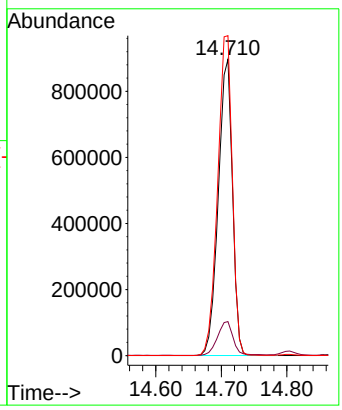
Tgt Ion:138 Resp: 135276

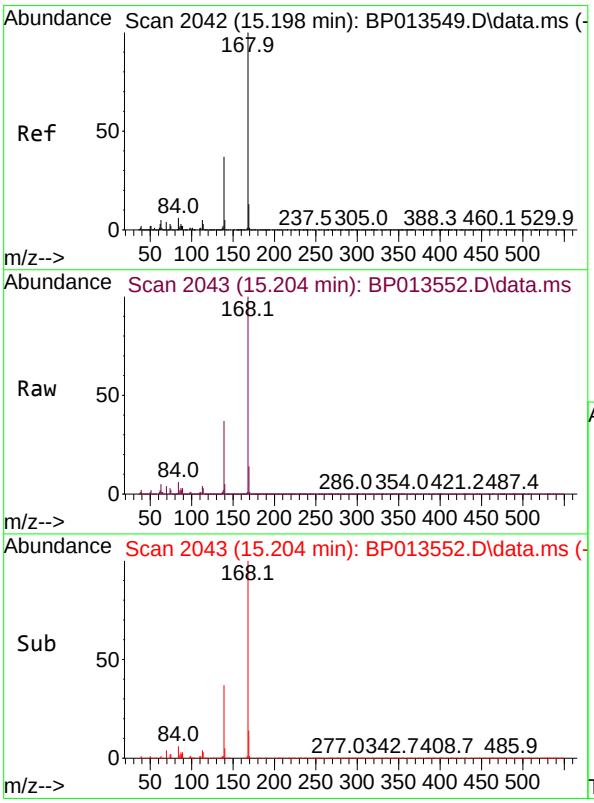
Ion	Ratio	Lower	Upper
138	100		
108	11.5	12.8	19.2#
92	108.0	93.3	139.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

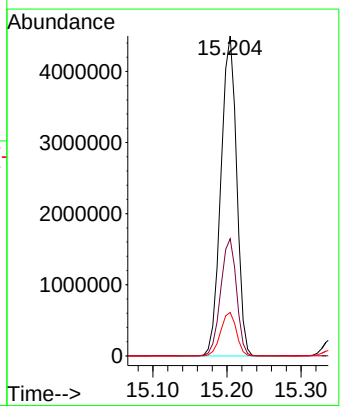


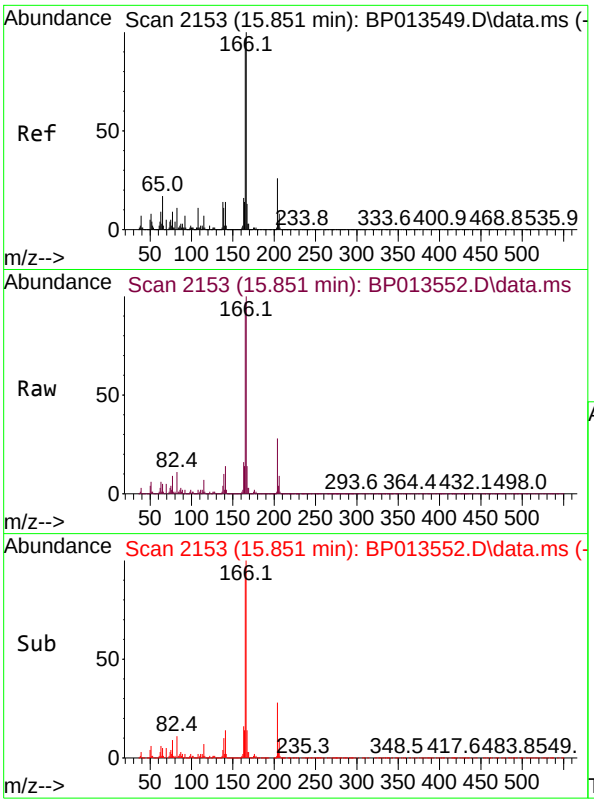


#55
Dibenzofuran
Concen: 77.116 ng
RT: 15.204 min Scan# 2043
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:168 Resp: 6633211

Ion	Ratio	Lower	Upper
168	100		
139	36.6	29.9	44.9
169	13.6	10.7	16.1





#58
Fluorene
Concen: 76.702 ng
RT: 15.851 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

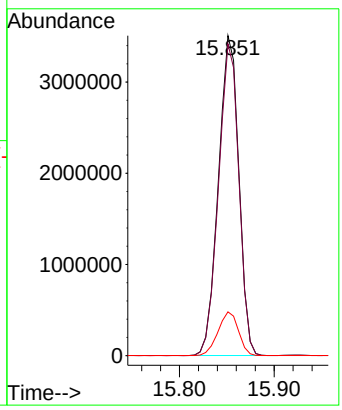
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

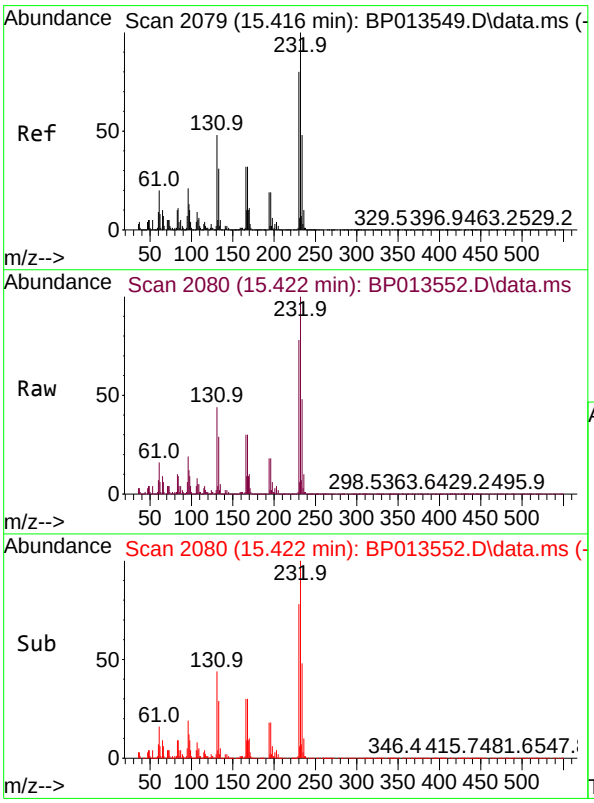
Tgt Ion:166 Resp: 524393

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.8	116.8
167	13.7	10.7	16.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

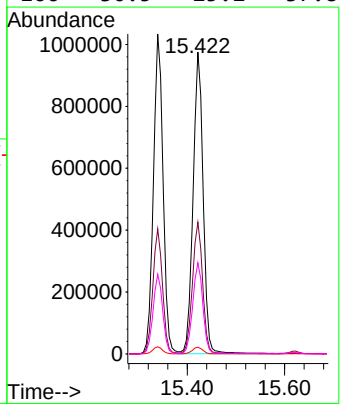


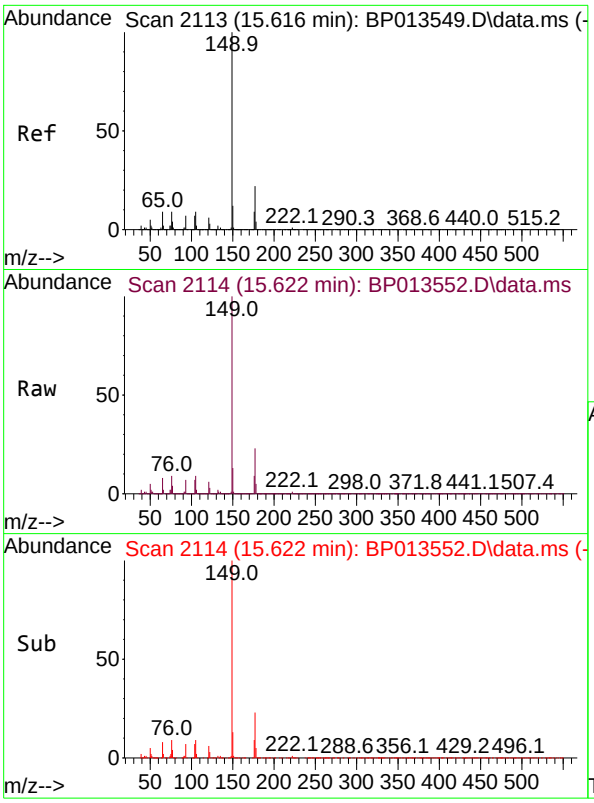


#59
2,3,4,6-Tetrachlorophenol
Concen: 92.166 ng
RT: 15.422 min Scan# 2080
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:232 Resp: 1390673

Ion	Ratio	Lower	Upper
232	100		
131	44.0	37.1	55.7
130	2.3	1.9	2.9
166	30.5	25.2	37.8





#60
Diethylphthalate
Concen: 83.499 ng
RT: 15.622 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

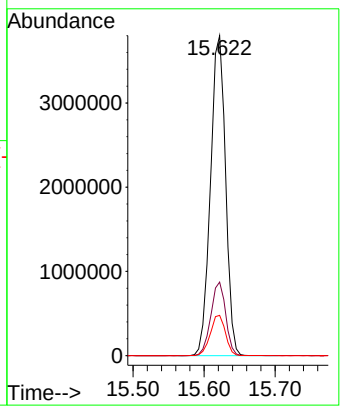
Tgt Ion:149 Resp: 559485

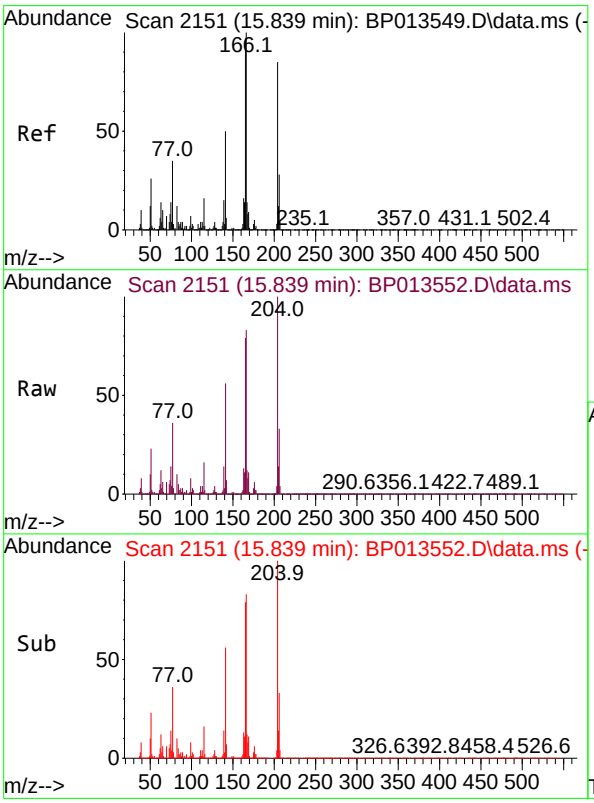
Ion	Ratio	Lower	Upper
149	100		
177	23.0	17.8	26.6
150	12.6	9.8	14.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

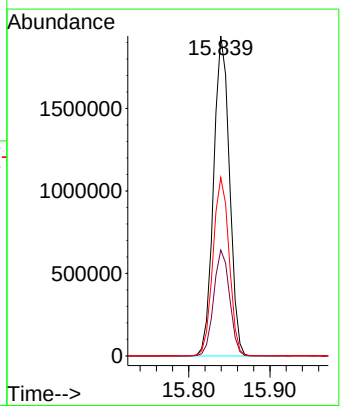


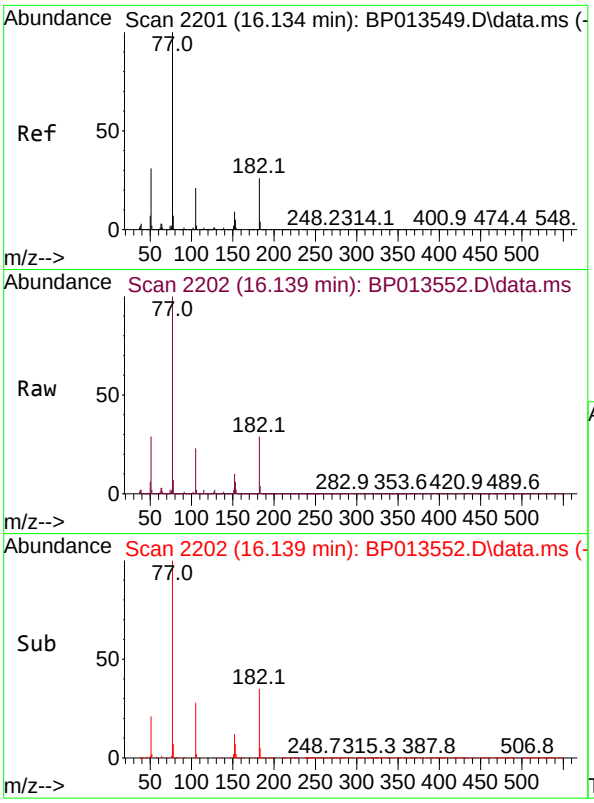


#61
4-Chlorophenyl-phenylether
Concen: 78.446 ng
RT: 15.839 min Scan# 2151
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:204 Resp: 2637118

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.6	39.8
141	55.7	47.0	70.4

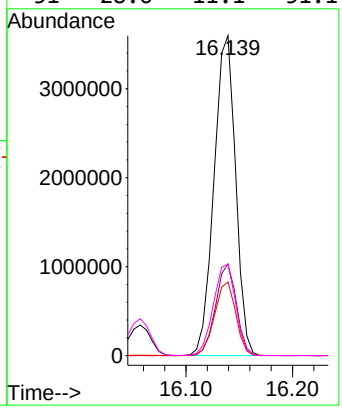




#63
Azobenzene
Concen: 77.842 ng
RT: 16.139 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion: 77 Resp: 506822

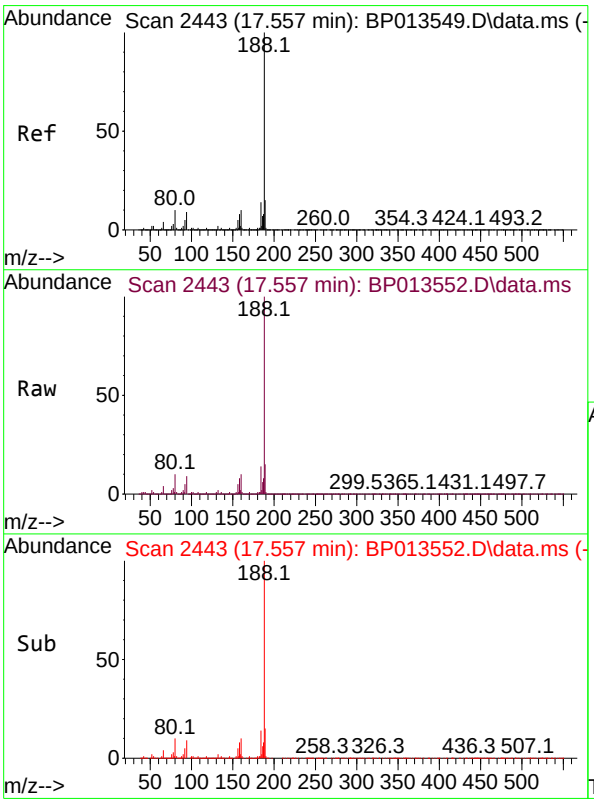
Ion	Ratio	Lower	Upper
77	100		
182	28.6	5.5	45.5
105	23.0	1.4	41.4
51	28.6	11.1	51.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

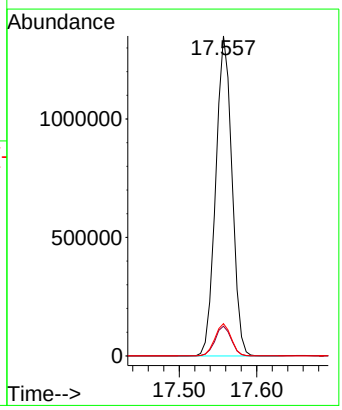
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

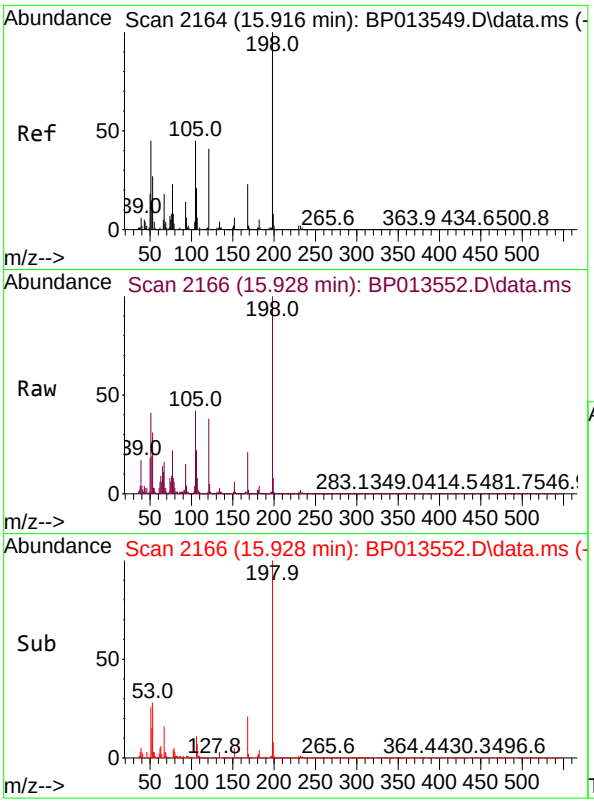


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.557 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:188 Resp: 1967034

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.2	10.8
80	10.1	8.2	12.2





#65
4,6-Dinitro-2-methylphenol
Concen: 123.907 ng
RT: 15.928 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

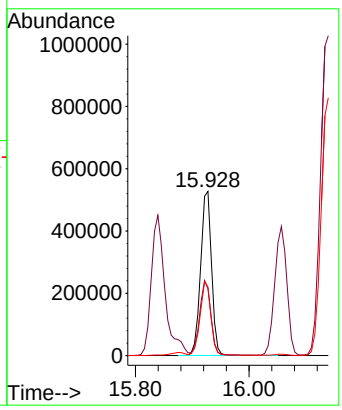
Tgt Ion:198 Resp: 70439

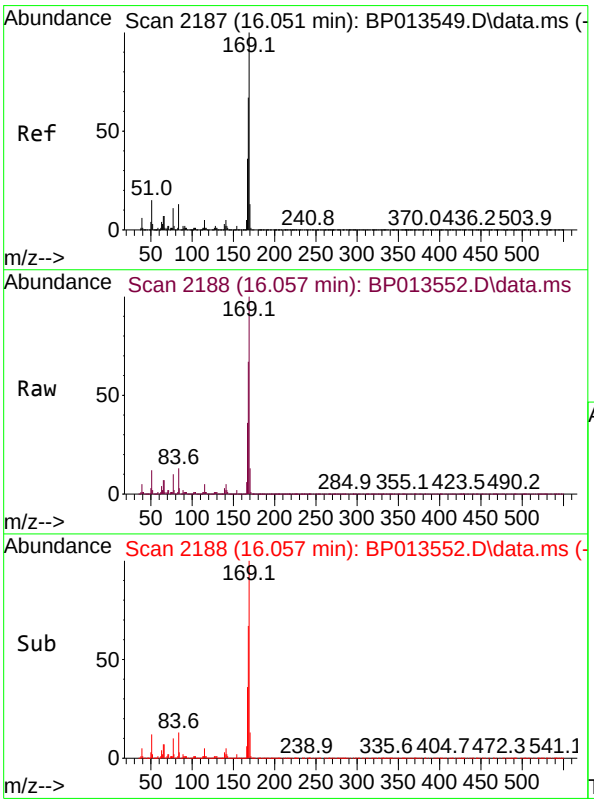
Ion	Ratio	Lower	Upper
198	100		
51	40.8	30.4	70.4
105	41.8	26.4	66.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

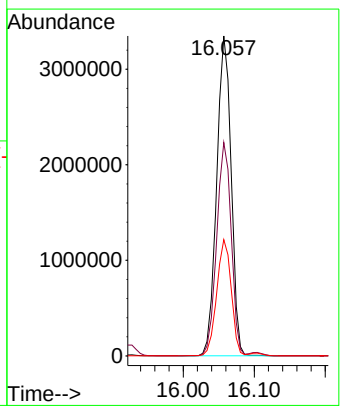


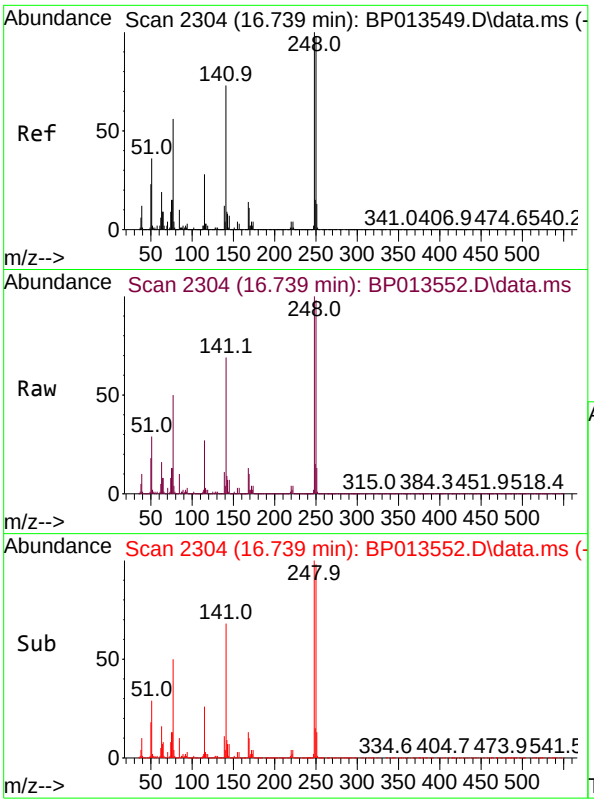


#66
n-Nitrosodiphenylamine
Concen: 74.130 ng
RT: 16.057 min Scan# 2188
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:169 Resp: 4755224

Ion	Ratio	Lower	Upper
169	100		
168	66.7	54.0	81.0
167	36.3	29.0	43.6

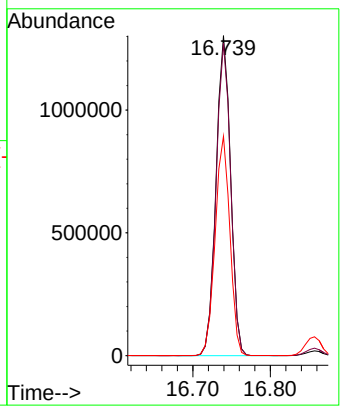




#67
4-Bromophenyl-phenylether
Concen: 78.133 ng
RT: 16.739 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:248 Resp: 170242

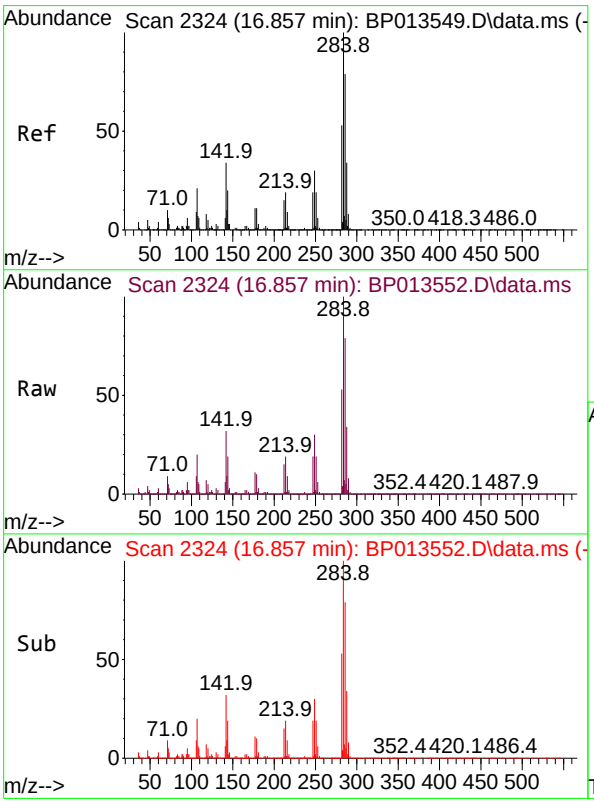
Ion	Ratio	Lower	Upper
248	100		
250	97.6	78.1	117.1
141	68.5	58.1	87.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

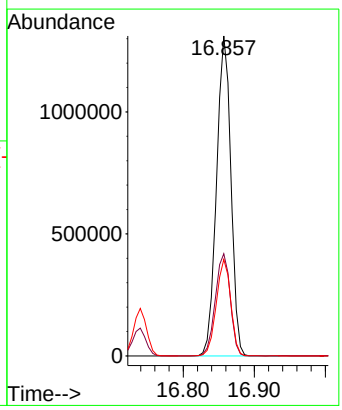
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

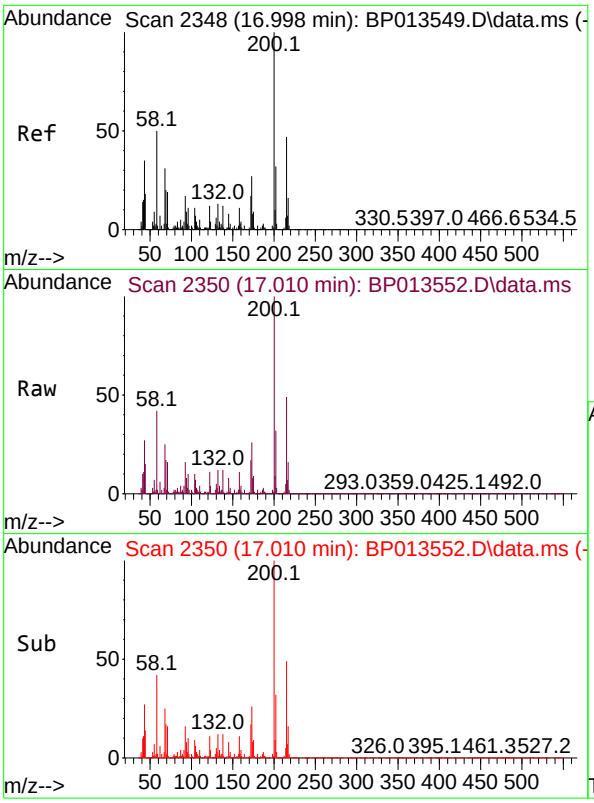


#68
Hexachlorobenzene
Concen: 78.454 ng
RT: 16.857 min Scan# 2324
Delta R.T. -0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:284 Resp: 1846450

Ion	Ratio	Lower	Upper
284	100		
142	31.9	27.3	40.9
249	30.1	24.0	36.0

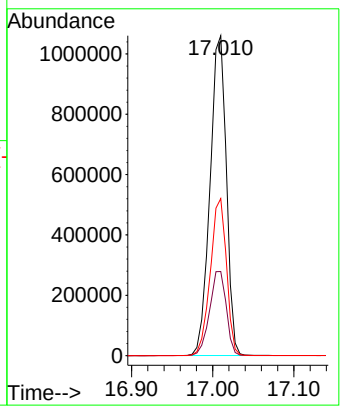




#69
Atrazine
Concen: 80.832 ng
RT: 17.010 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:200 Resp: 148358

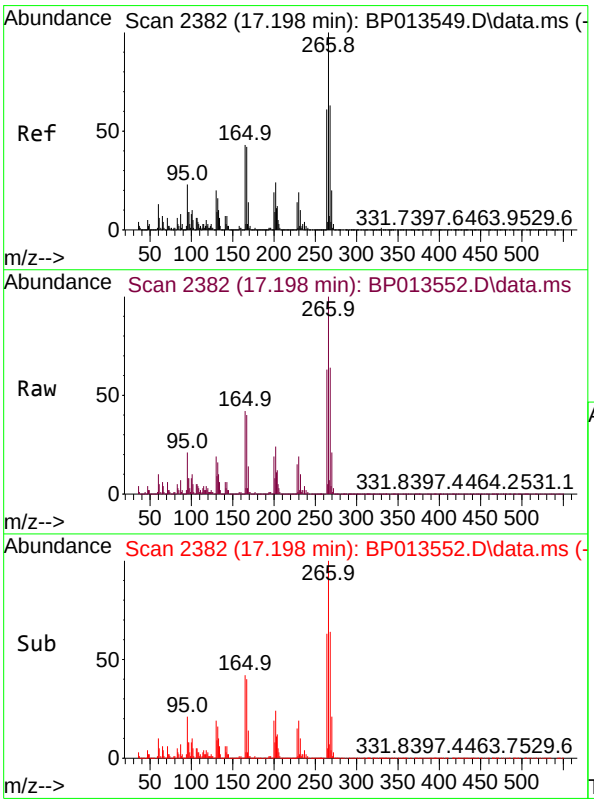
Ion	Ratio	Lower	Upper
200	100		
173	26.3	7.2	47.2
215	49.1	27.3	67.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

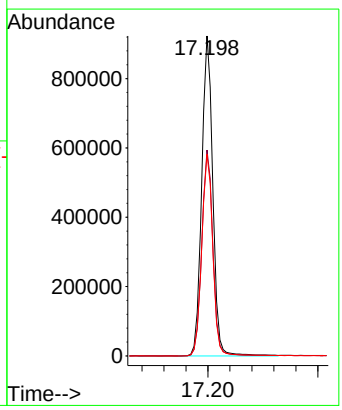
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

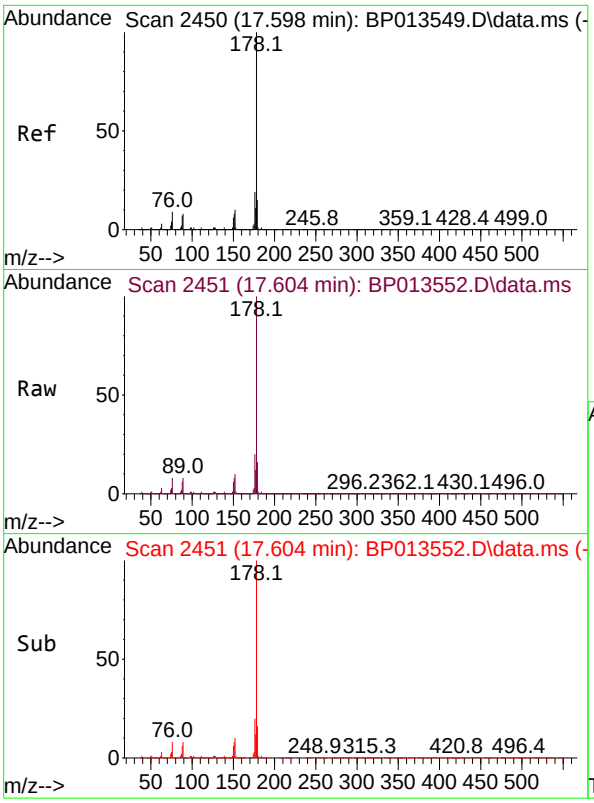


#70
Pentachlorophenol
Concen: 93.737 ng
RT: 17.198 min Scan# 2382
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:266 Resp: 1284864

Ion	Ratio	Lower	Upper
266	100		
268	64.4	50.7	76.1
264	63.0	48.9	73.3

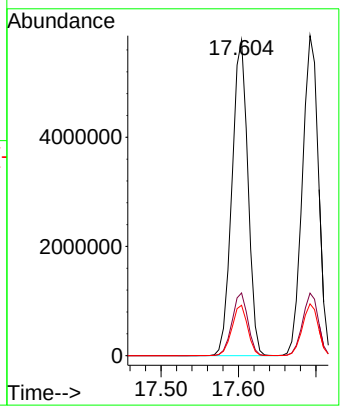




#71
Phenanthrene
Concen: 75.690 ng
RT: 17.604 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:178 Resp: 828376

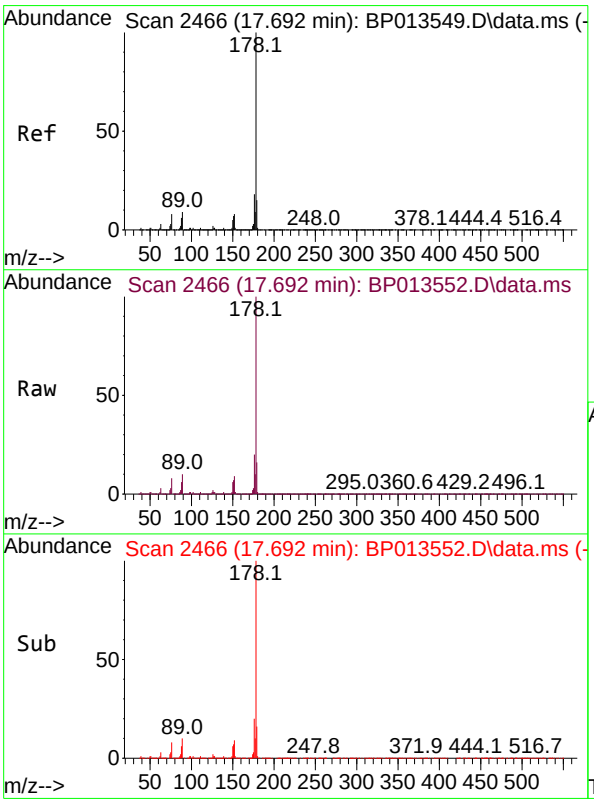
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	15.9	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

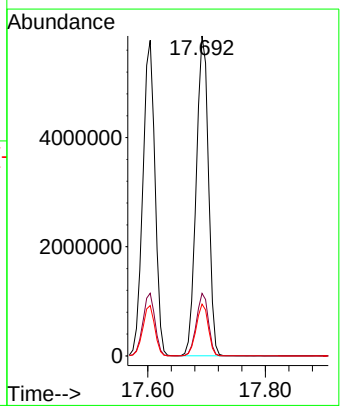
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

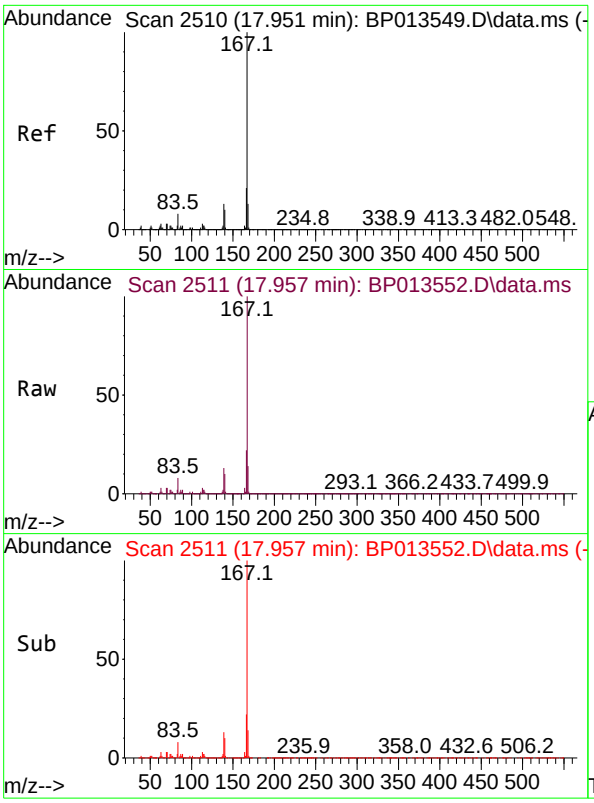


#72
Anthracene
Concen: 76.168 ng
RT: 17.692 min Scan# 2466
Delta R.T. -0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:178 Resp: 8460641

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.6	22.0
179	16.2	12.3	18.5

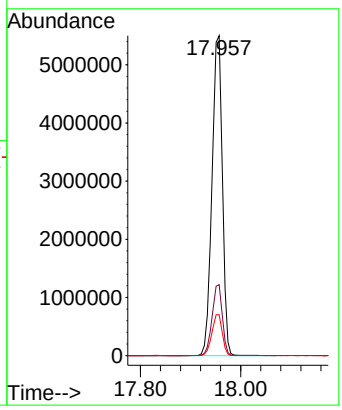




#73
Carbazole
Concen: 79.000 ng
RT: 17.957 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:167 Resp: 788604

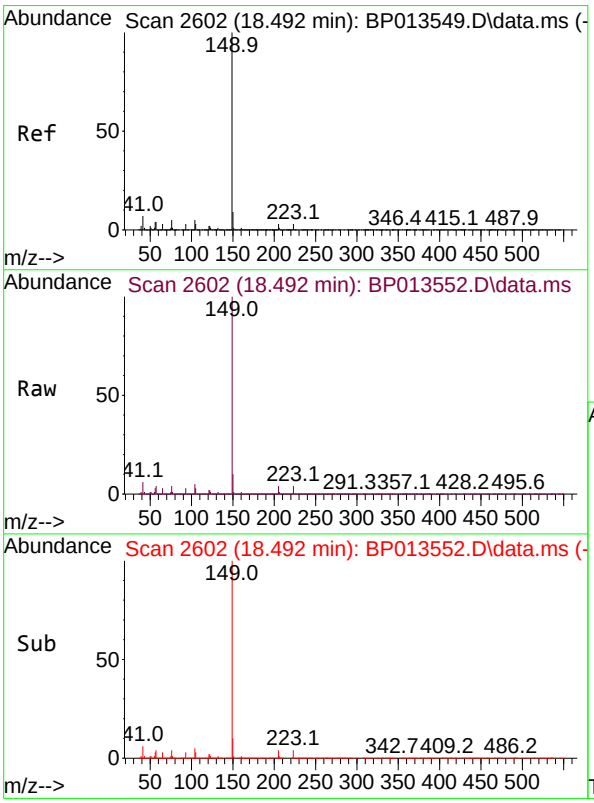
Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.2	25.8
139	12.8	10.3	15.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

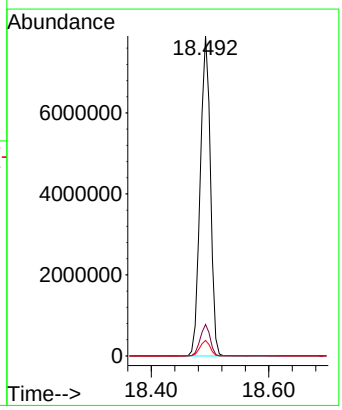
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

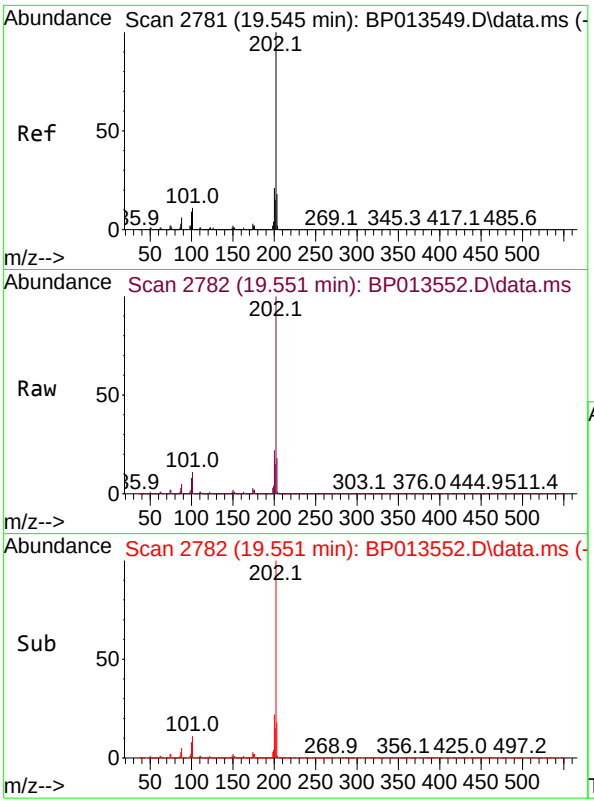


#74
Di-n-butylphthalate
Concen: 85.247 ng
RT: 18.492 min Scan# 2602
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:149 Resp: 9471020

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.4	11.0
104	4.8	3.9	5.9

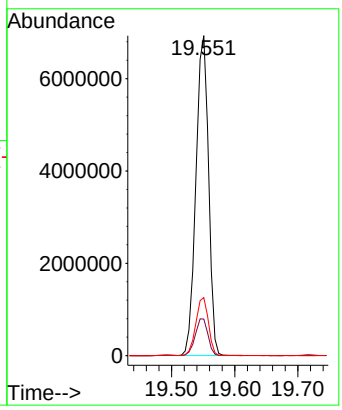




#75
Fluoranthene
Concen: 82.762 ng
RT: 19.551 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:202 Resp: 963219

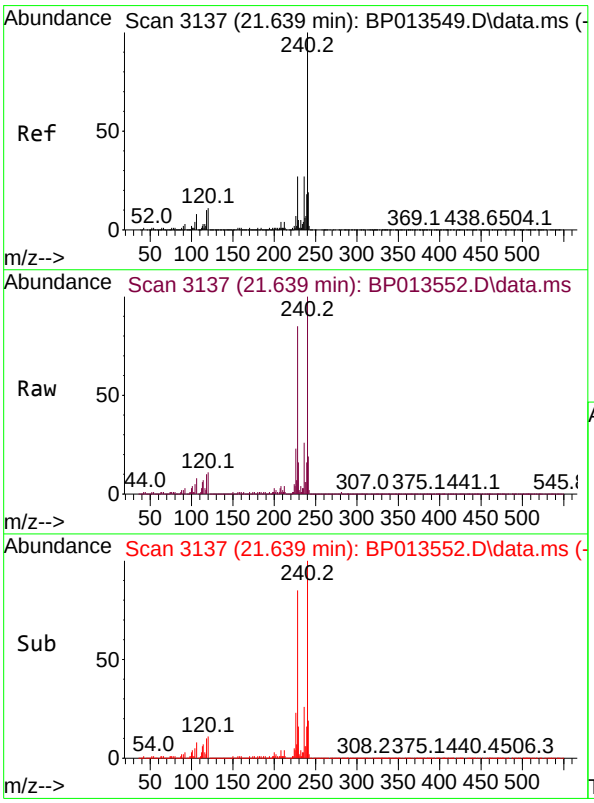
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	18.1	0.0	37.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

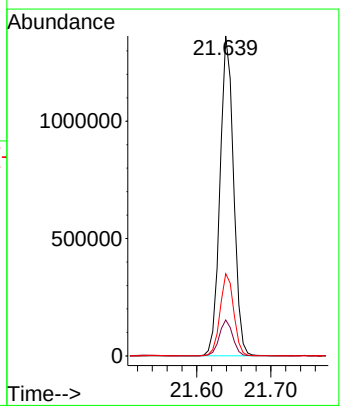
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

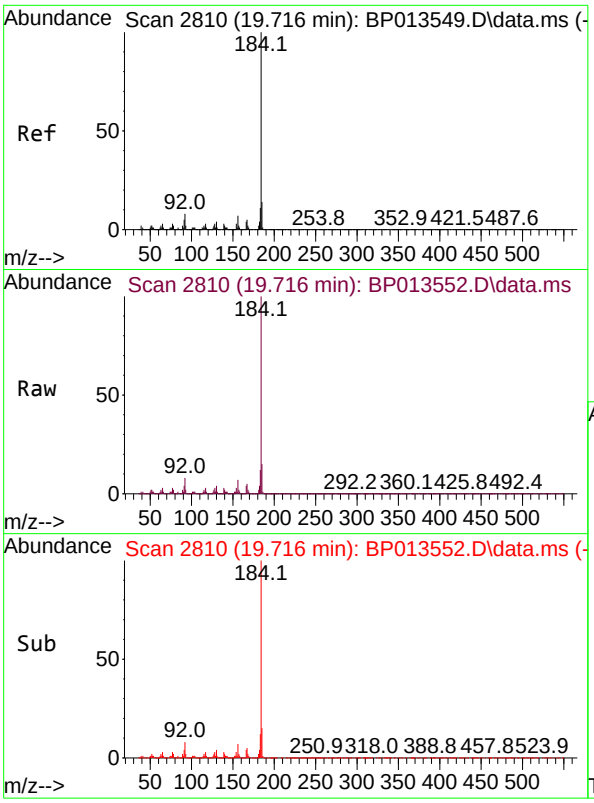


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:240 Resp: 1733912

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.6	13.0
236	25.7	21.3	31.9

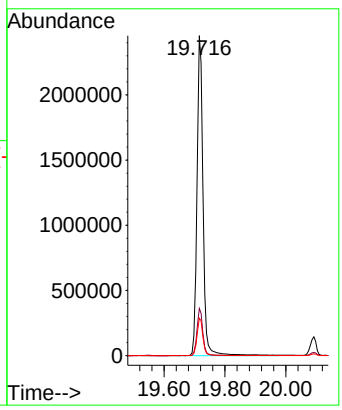




#77
Benzidine
Concen: 77.546 ng
RT: 19.716 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:184 Resp: 338168

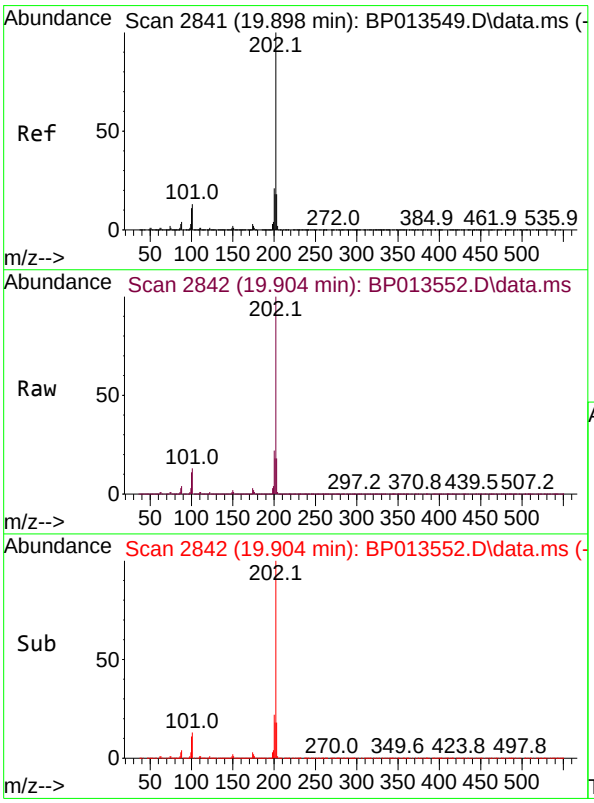
Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	11.7	9.0	13.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

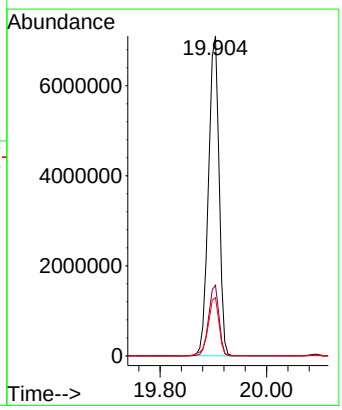
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

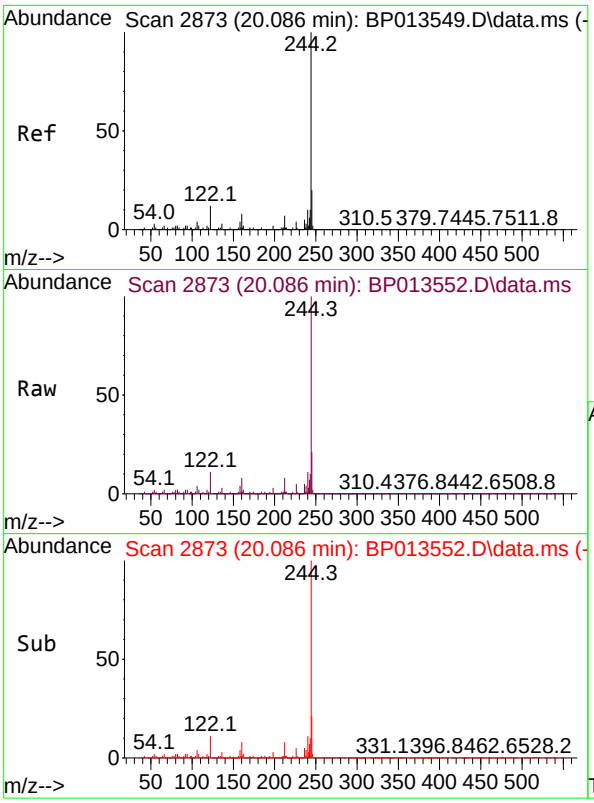


#78
Pyrene
Concen: 74.191 ng
RT: 19.904 min Scan# 2842
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:202 Resp: 9836233

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.0	25.6
203	18.2	14.2	21.2

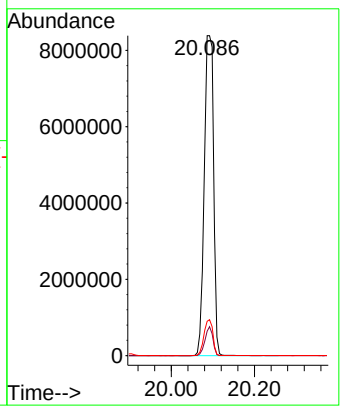




#79
Terphenyl-d14
Concen: 135.339 ng
RT: 20.086 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:244 Resp:1304428

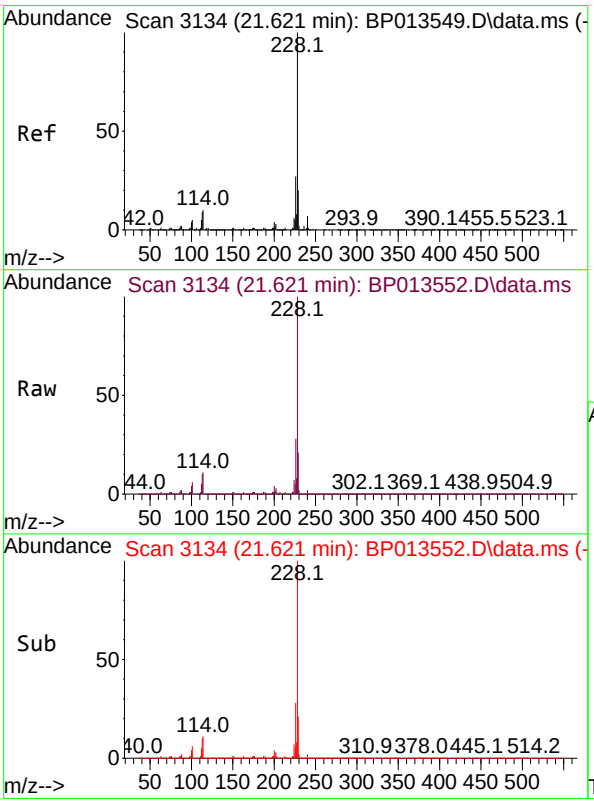
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.4	8.2
122	10.7	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

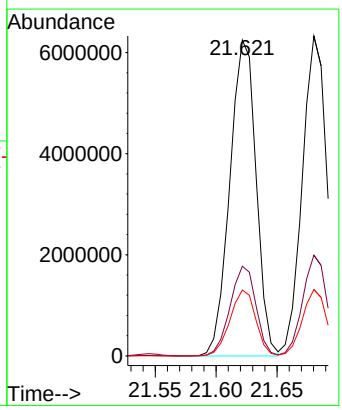
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

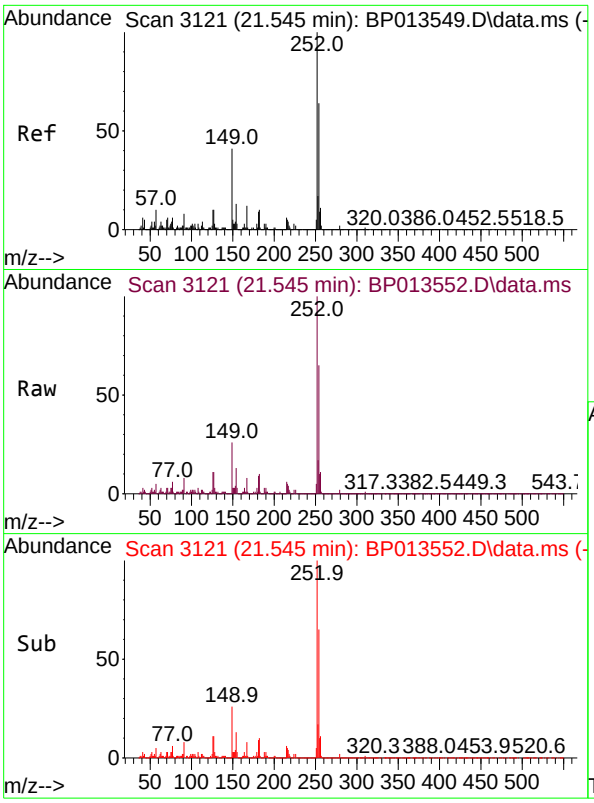


#81
Benzo(a)anthracene
Concen: 77.785 ng
RT: 21.621 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:228 Resp: 9396042

Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.8	32.8
229	20.8	15.8	23.6





#82
3,3'-Dichlorobenzidine
Concen: 83.120 ng
RT: 21.545 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

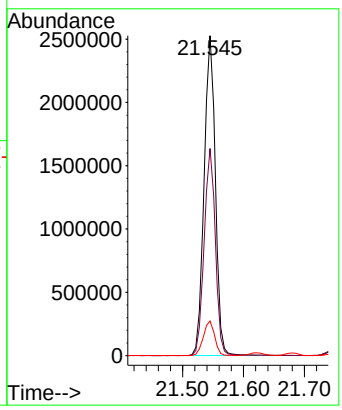
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

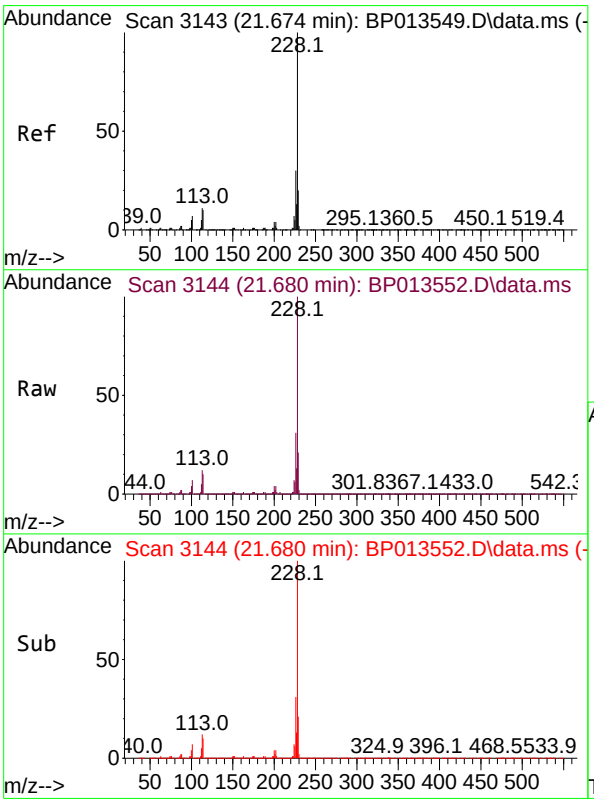
Tgt Ion:252 Resp: 323505

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.4	77.0
126	10.8	8.3	12.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

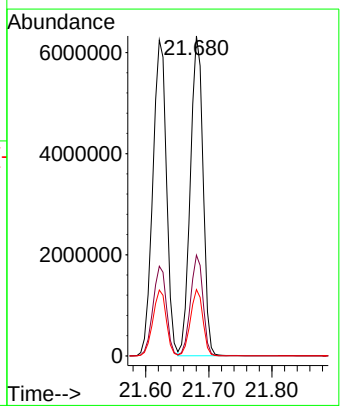


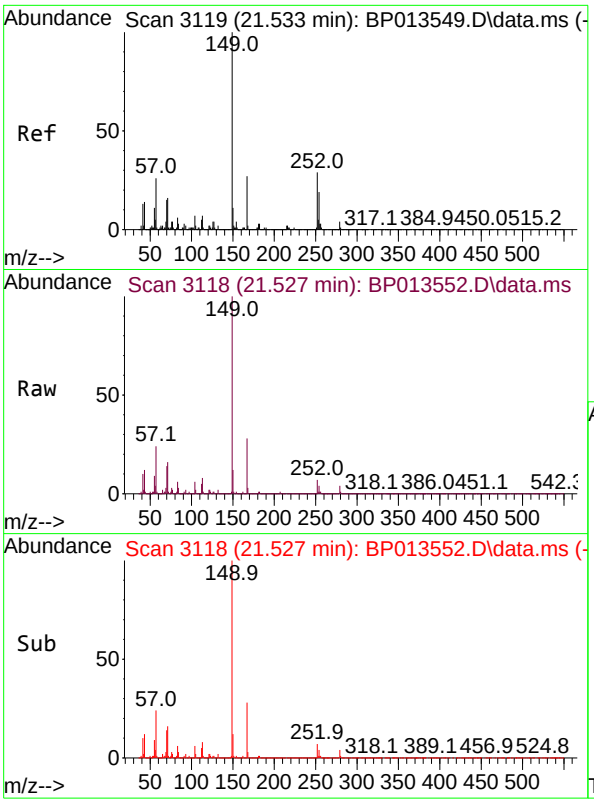


#83
Chrysene
Concen: 76.541 ng
RT: 21.680 min Scan# 3144
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:228 Resp: 8843193

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.1	36.1
229	20.7	16.2	24.2





#84
Bis(2-ethylhexyl)phthalate
Concen: 90.450 ng
RT: 21.527 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

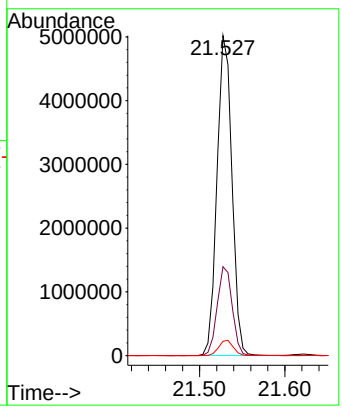
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

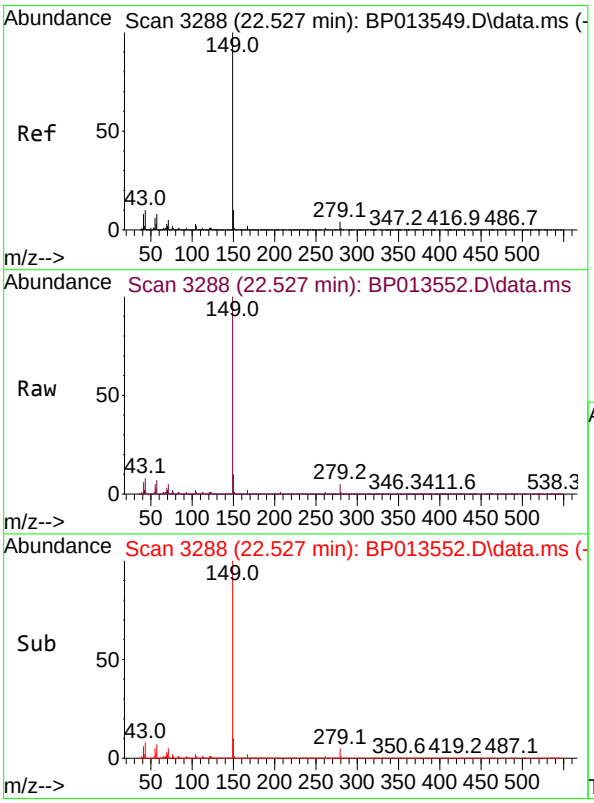
Tgt Ion:149 Resp: 611052

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.0	33.0
279	4.5	3.5	5.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

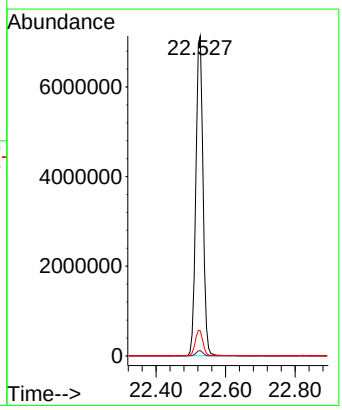


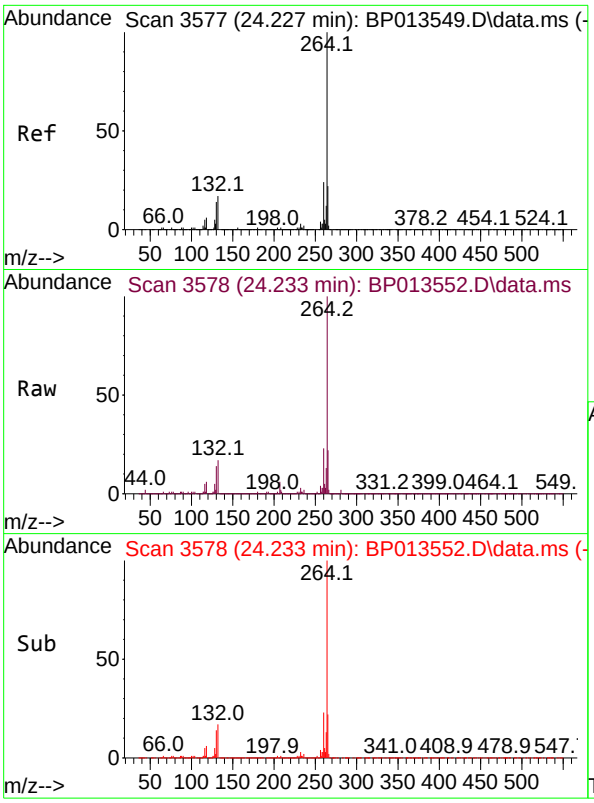


#85
Di-n-octyl phthalate
Concen: 93.714 ng
RT: 22.527 min Scan# 3288
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:149 Resp:10207016

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.5	8.2	12.4

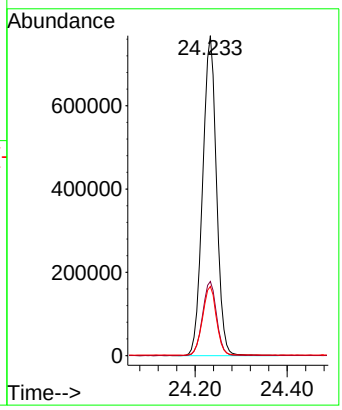




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.233 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:264 Resp: 159251

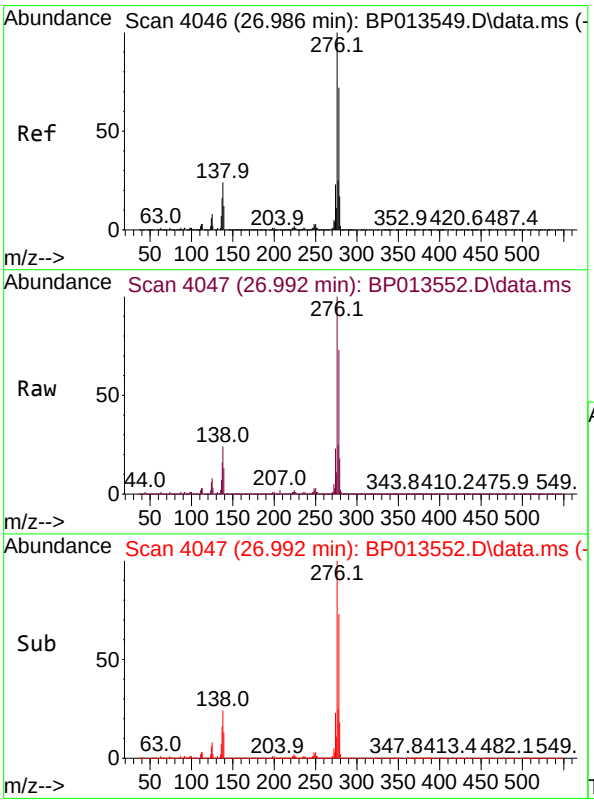
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.8	28.2
265	21.7	17.4	26.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

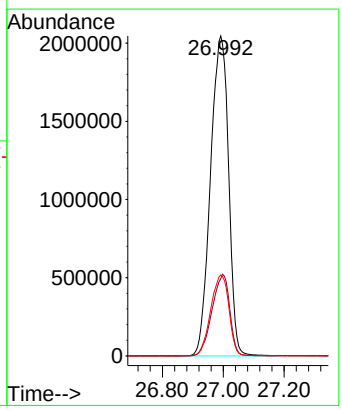
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

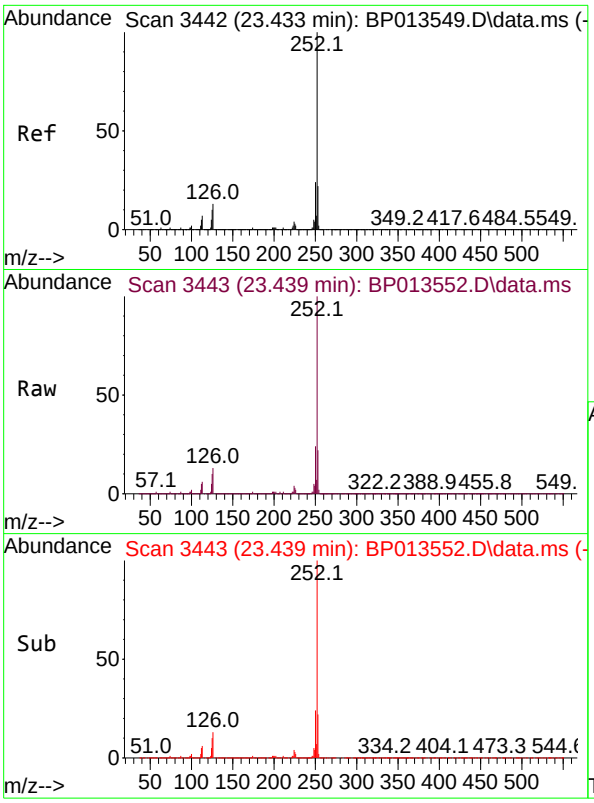


#87
Indeno(1,2,3-cd)pyrene
Concen: 71.886 ng
RT: 26.992 min Scan# 4047
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:276 Resp: 8432334

Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.8	29.6
277	25.5	20.2	30.4

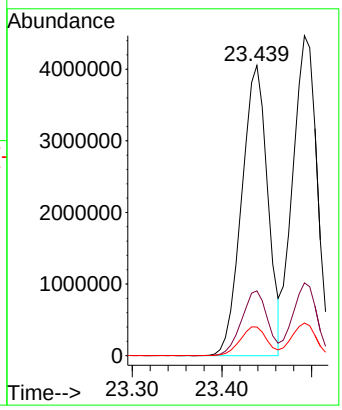




#88
Benzo(b)fluoranthene
Concen: 83.448 ng
RT: 23.439 min Scan# 34
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:252 Resp: 817515

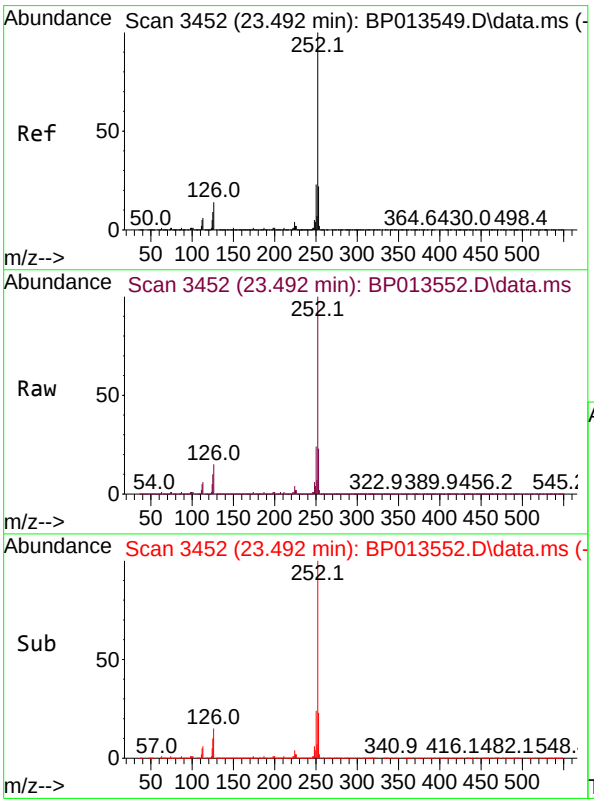
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	9.8	8.0	12.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

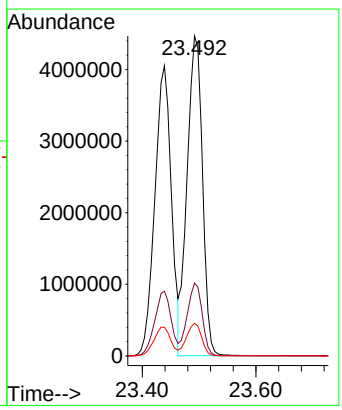
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

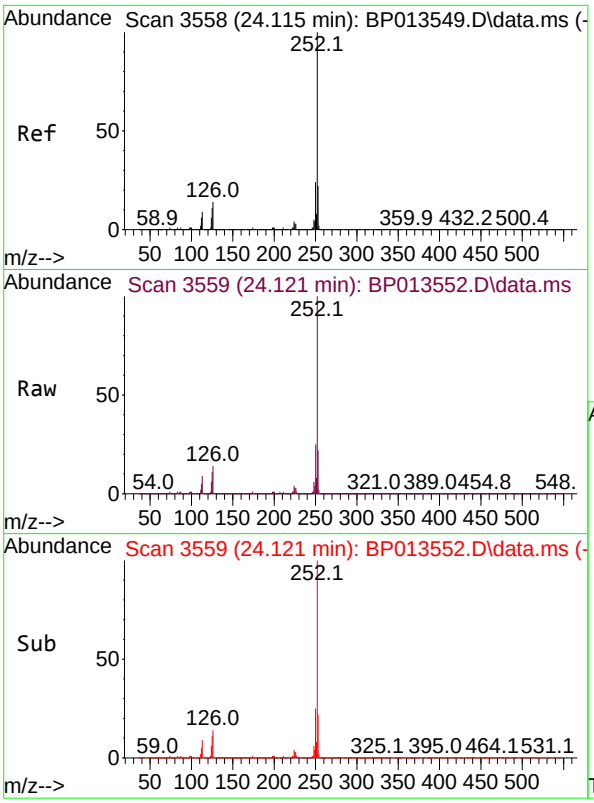


#89
Benzo(k)fluoranthene
Concen: 83.776 ng
RT: 23.492 min Scan# 3452
Delta R.T. 0.000 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:252 Resp: 8371090

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	10.2	7.5	11.3

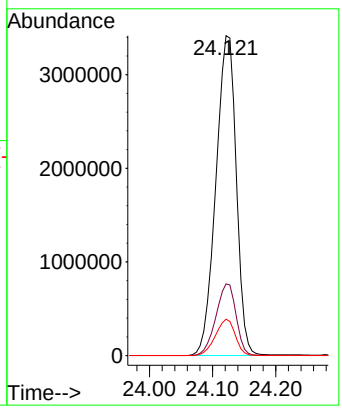




#90
Benzo(a)pyrene
Concen: 80.737 ng
RT: 24.121 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:252 Resp: 767273

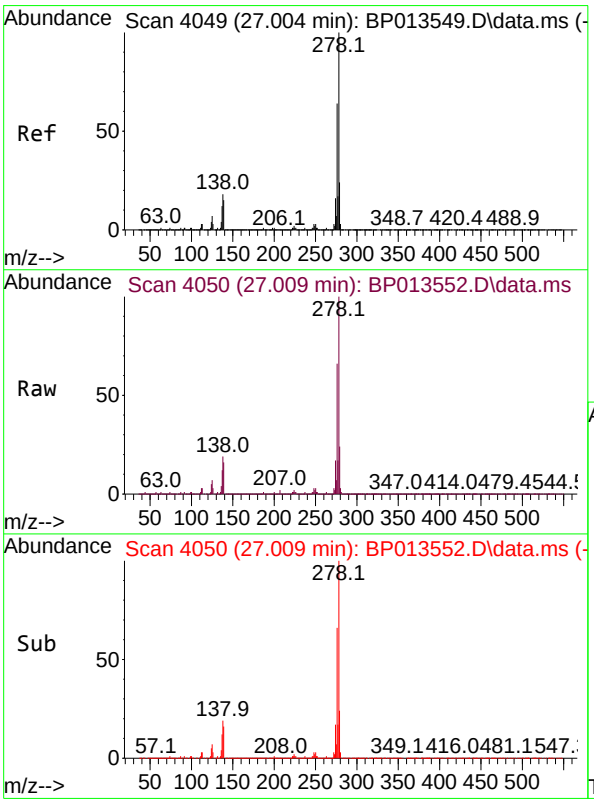
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	11.4	8.9	13.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

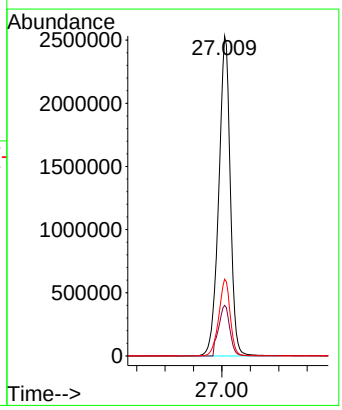
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

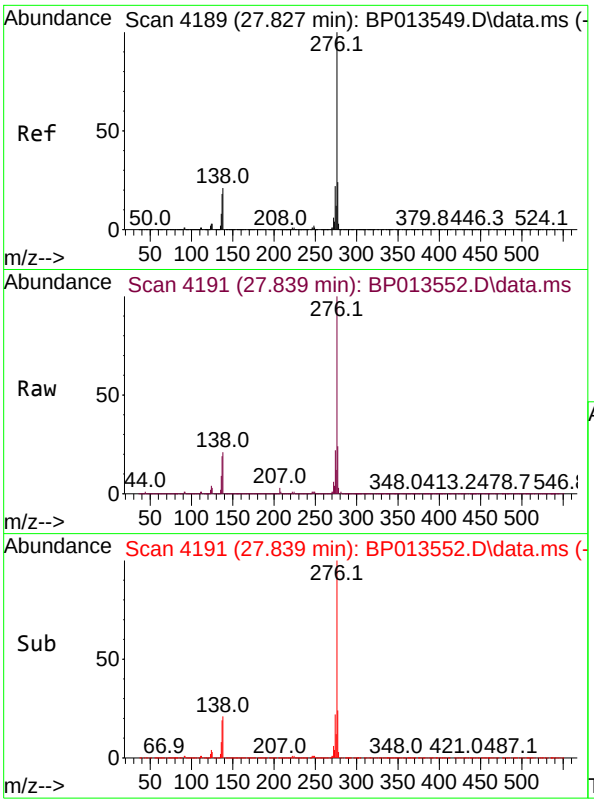


#91
Dibenzo(a,h)anthracene
Concen: 72.402 ng
RT: 27.009 min Scan# 4050
Delta R.T. 0.006 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:278 Resp: 7123652

Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.3	18.5
279	24.0	19.0	28.6

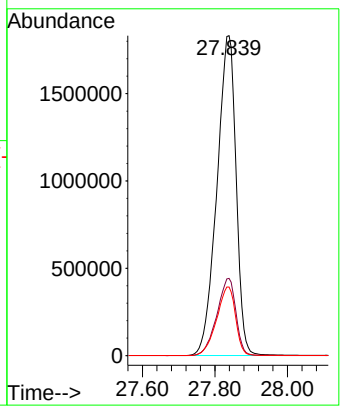




#92
Benzo(g,h,i)perylene
Concen: 57.359 ng
RT: 27.839 min Scan# 41
Delta R.T. 0.012 min
Lab File: BP013552.D
Acq: 23 Jan 2023 16:01

Tgt Ion:276 Resp: 672825

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.6
138	21.4	16.6	25.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013553.D
Acq On : 23 Jan 2023 18:39
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Quant Time: Jan 24 04:46:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 04:44:15 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.169	152	307884	20.000	ng		0.00
21) Naphthalene-d8	10.998	136	1268184	20.000	ng		0.00
39) Acenaphthene-d10	14.804	164	742399	20.000	ng		0.00
64) Phenanthrene-d10	17.557	188	1433898	20.000	ng		0.00
76) Chrysene-d12	21.633	240	1015368	20.000	ng		0.00
86) Perylene-d12	24.227	264	1066225	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.693	112	1367397	76.095	ng		0.00
7) Phenol-d6	7.304	99	1863102	77.036	ng		0.00
23) Nitrobenzene-d5	9.340	82	1587028	82.614	ng		0.00
42) 2,4,6-Tribromophenol	16.292	330	606126	81.396	ng		0.00
45) 2-Fluorobiphenyl	13.433	172	3997051	73.903	ng		0.00
79) Terphenyl-d14	20.086	244	4371237	77.448	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.534	88	272995	37.685	ng		97
3) Pyridine	3.940	79	804534	37.411	ng		99
4) n-Nitrosodimethylamine	3.852	42	360645	37.091	ng		98
6) Aniline	7.481	93	1243239	38.267	ng		99
8) 2-Chlorophenol	7.722	128	778318	39.252	ng		100
9) Benzaldehyde	7.293	77	528971	34.538	ng		99
10) Phenol	7.334	94	961786	38.384	ng		99
11) bis(2-Chloroethyl)ether	7.581	93	775792	37.865	ng		100
12) 1,3-Dichlorobenzene	8.057	146	826890	37.709	ng		98
13) 1,4-Dichlorobenzene	8.204	146	839331	37.749	ng		99
14) 1,2-Dichlorobenzene	8.528	146	815583	37.882	ng		99
15) Benzyl Alcohol	8.404	79	670831	38.823	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.704	45	1071046	38.176	ng		98
17) 2-Methylphenol	8.604	107	697658	38.338	ng		99
18) Hexachloroethane	9.263	117	291834	39.268	ng		98
19) n-Nitroso-di-n-propyla...	8.981	70	603321	38.731	ng		99
20) 3+4-Methylphenols	8.934	107	938013	39.161	ng		98
22) Acetophenone	8.998	105	1204423	37.021	ng	#	100
24) Nitrobenzene	9.381	77	834008	40.379	ng		98
25) Isophorone	9.910	82	1671680	36.688	ng		99
26) 2-Nitrophenol	10.098	139	295785	42.146	ng		99
27) 2,4-Dimethylphenol	10.151	122	749604	38.110	ng		99
28) bis(2-Chloroethoxy)met...	10.392	93	1028419	37.453	ng		100
29) 2,4-Dichlorophenol	10.634	162	707699	39.116	ng		100
30) 1,2,4-Trichlorobenzene	10.857	180	765047	37.053	ng		99
31) Naphthalene	11.051	128	2546353	37.348	ng		99
32) Benzoic acid	10.269	122	344121	40.030	ng		96
33) 4-Chloroaniline	11.151	127	1121210	37.166	ng		99
34) Hexachlorobutadiene	11.334	225	449944	37.447	ng		99
35) Caprolactam	11.922	113	221138	37.701	ng		97
36) 4-Chloro-3-methylphenol	12.257	107	754003	38.267	ng		97
37) 2-Methylnaphthalene	12.645	142	1809077	37.330	ng		99
38) 1-Methylnaphthalene	12.863	142	1691617	37.148	ng		100
40) 1,2,4,5-Tetrachloroben...	13.004	216	854510	37.386	ng		100
41) Hexachlorocyclopentadiene	12.986	237	428491	37.871	ng		97
43) 2,4,6-Trichlorophenol	13.239	196	537312	40.167	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013553.D
Acq On : 23 Jan 2023 18:39
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Quant Time: Jan 24 04:46:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 04:44:15 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.304	196	629795	39.842	ng	99
46) 1,1'-Biphenyl	13.639	154	2201142	36.918	ng	99
47) 2-Chloronaphthalene	13.686	162	1644062	36.807	ng	100
48) 2-Nitroaniline	13.880	65	413324	38.427	ng	95
49) Acenaphthylene	14.527	152	2712057	37.127	ng	99
50) Dimethylphthalate	14.251	163	2047265	37.097	ng	100
51) 2,6-Dinitrotoluene	14.369	165	403482	38.557	ng	96
52) Acenaphthene	14.869	154	1670309	37.017	ng	99
53) 3-Nitroaniline	14.698	138	445177	37.428	ng	96
54) 2,4-Dinitrophenol	14.898	184	111953	43.064	ng	95
55) Dibenzofuran	15.198	168	2546417	36.802	ng	100
56) 4-Nitrophenol	14.986	139	333310	38.535	ng	97
57) 2,4-Dinitrotoluene	15.151	165	492524	39.531	ng	96
58) Fluorene	15.851	166	1999752	36.362	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.422	232	477233	39.318	ng	99
60) Diethylphthalate	15.616	149	1976649	36.672	ng	100
61) 4-Chlorophenyl-phenyle...	15.839	204	987451	36.516	ng	100
62) 4-Nitroaniline	15.863	138	442006	38.280	ng	96
63) Azobenzene	16.133	77	1883157	35.955	ng	99
65) 4,6-Dinitro-2-methylph...	15.916	198	175879	42.678	ng	95
66) n-Nitrosodiphenylamine	16.051	169	1723086	36.849	ng	99
67) 4-Bromophenyl-phenylether	16.739	248	577260	36.344	ng	99
68) Hexachlorobenzene	16.857	284	624311	36.389	ng	99
69) Atrazine	17.004	200	508797	38.029	ng	98
70) Pentachlorophenol	17.198	266	381726	36.445	ng	98
71) Phenanthrene	17.598	178	2873356	36.016	ng	100
72) Anthracene	17.692	178	2909016	35.926	ng	100
73) Carbazole	17.951	167	2567345	35.281	ng	100
74) Di-n-butylphthalate	18.492	149	2910043	35.932	ng	100
75) Fluoranthene	19.545	202	2901574	34.200	ng	100
77) Benzidine	19.715	184	1022006	40.020	ng	99
78) Pyrene	19.898	202	2965108	38.191	ng	99
80) Butylbenzylphthalate	20.757	149	979852	39.639	ng	97
81) Benzo(a)anthracene	21.615	228	2572877	36.372	ng	100
82) 3,3'-Dichlorobenzidine	21.539	252	827540	36.309	ng	98
83) Chrysene	21.674	228	2467330	36.468	ng	100
84) Bis(2-ethylhexyl)phtha...	21.527	149	1415865	35.790	ng	100
85) Di-n-octyl phthalate	22.521	149	2216483	34.751	ng	99
87) Indeno(1,2,3-cd)pyrene	26.974	276	3030533	38.588	ng	100
88) Benzo(b)fluoranthene	23.433	252	2413730	36.800	ng	99
89) Benzo(k)fluoranthene	23.486	252	2511264	37.537	ng	99
90) Benzo(a)pyrene	24.109	252	2365278	37.174	ng	99
91) Dibenzo(a,h)anthracene	27.003	278	2559504	38.854	ng	100
92) Benzo(g,h,i)perylene	27.821	276	2491107	38.741	ng	100

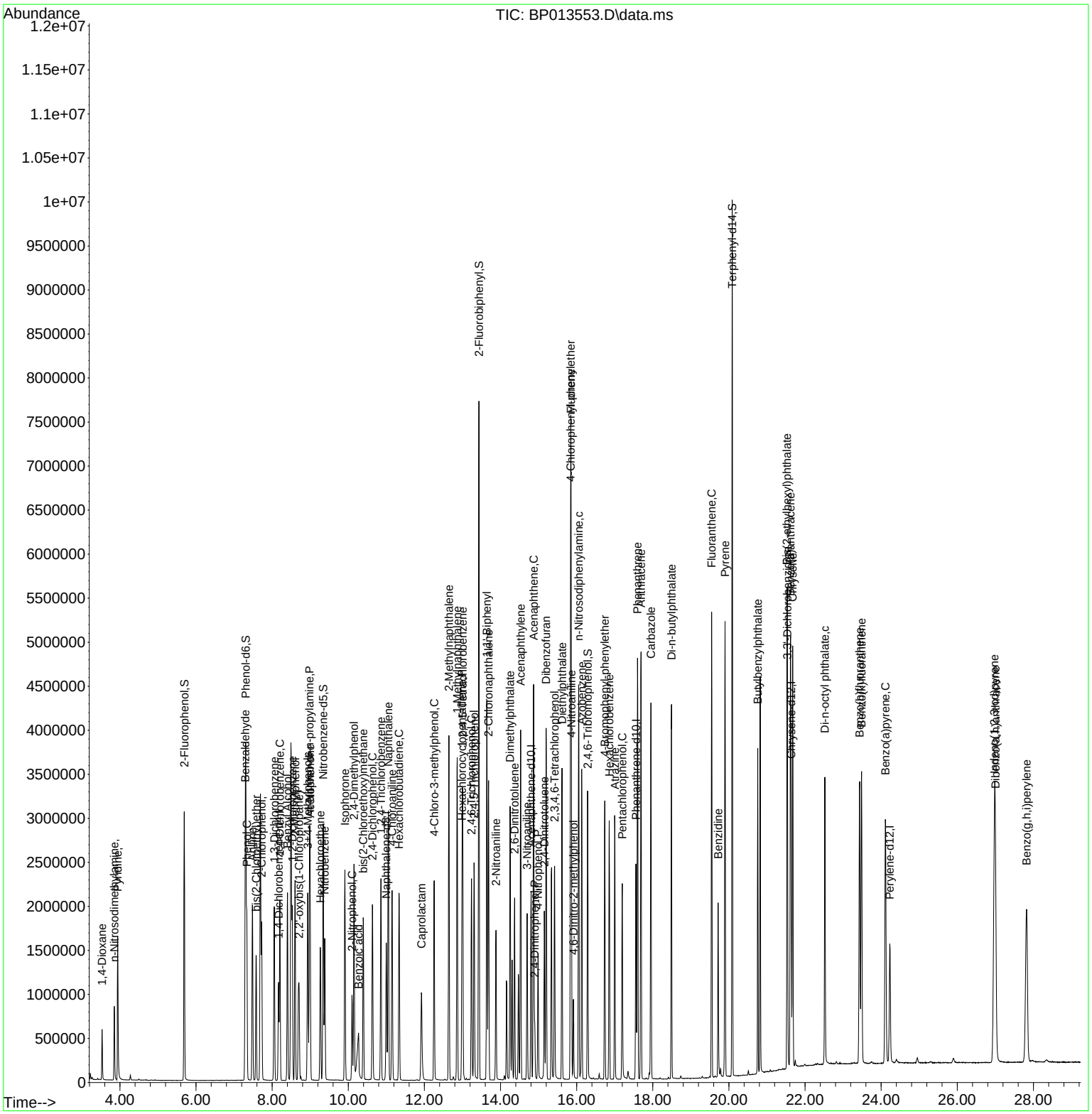
(#) = qualifier out of range (m) = manual integration (+) = signals summed

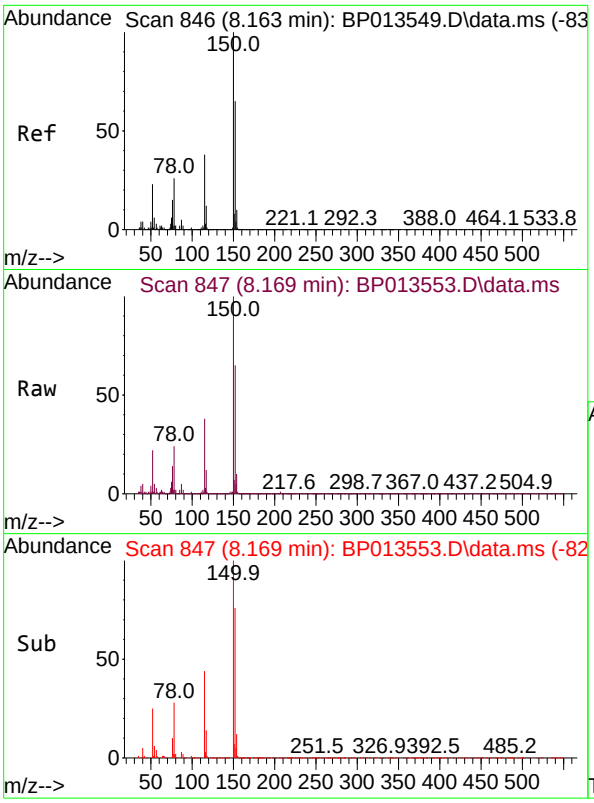
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013553.D
Acq On : 23 Jan 2023 18:39
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Quant Time: Jan 24 04:46:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 04:44:15 2023
Response via : Initial Calibration



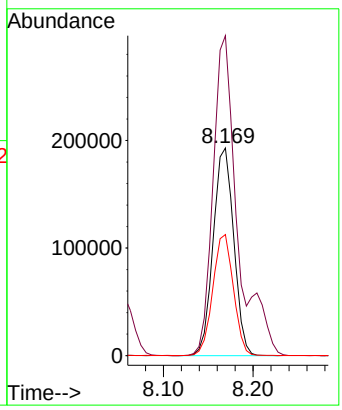


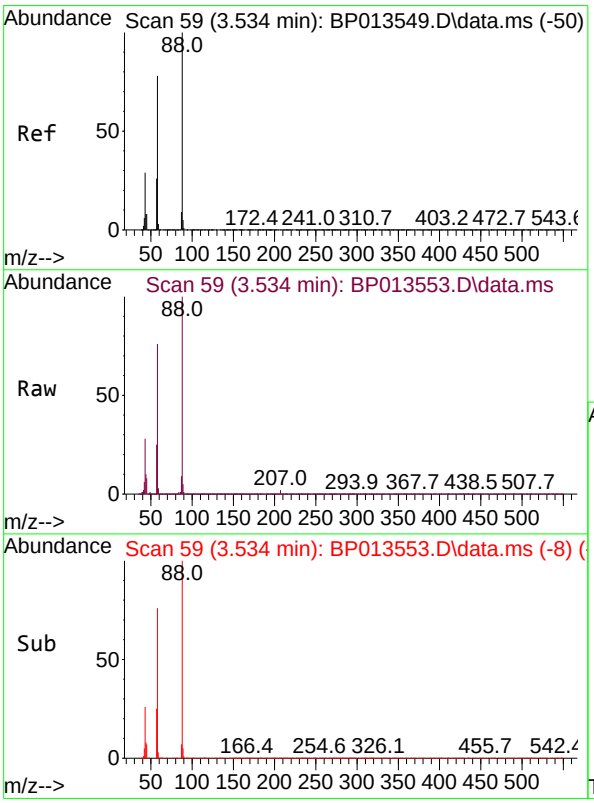
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.169 min Scan# 84
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:152 Resp: 307884

Ion	Ratio	Lower	Upper
152	100		
150	154.1	122.4	183.6
115	58.3	46.1	69.1

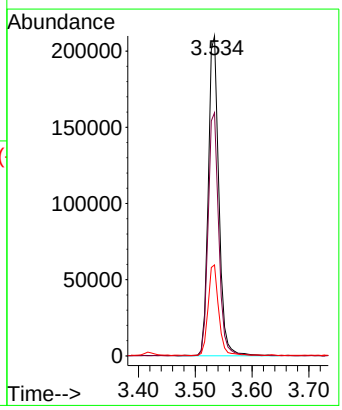


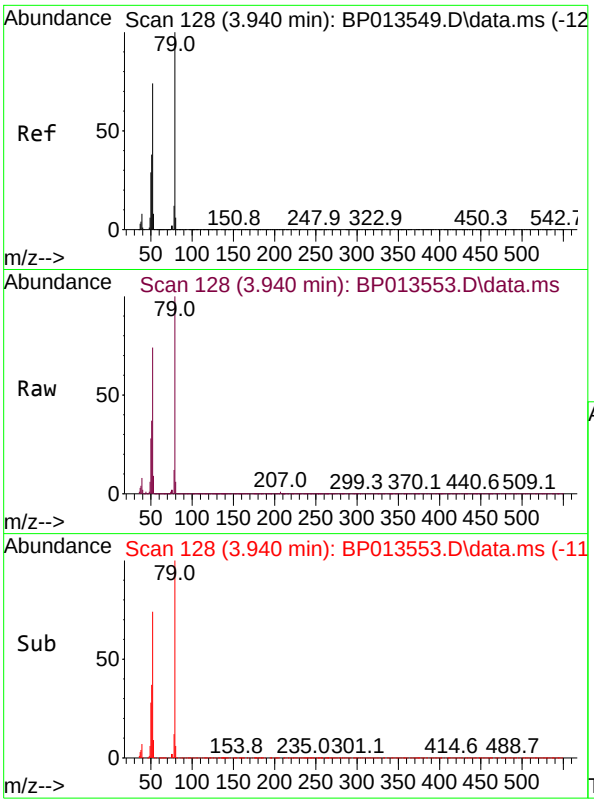


#2
1,4-Dioxane
Concen: 37.685 ng
RT: 3.534 min Scan# 59
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 88 Resp: 272995

Ion	Ratio	Lower	Upper
88	100		
58	76.5	63.6	95.4
43	28.4	24.2	36.2



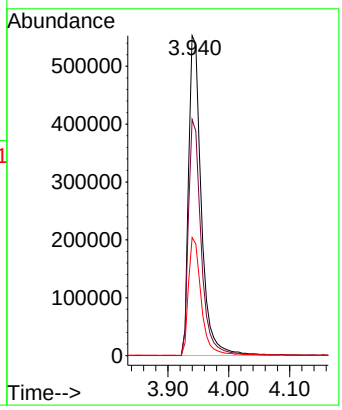


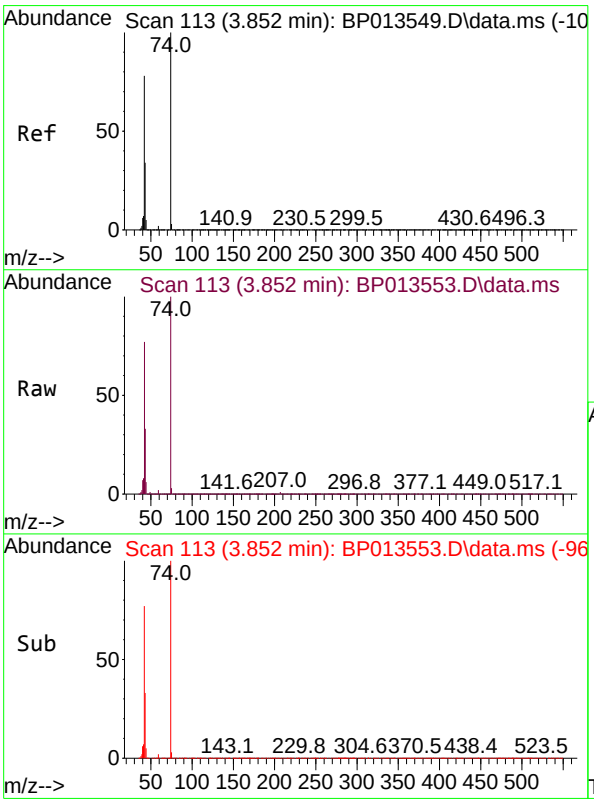
#3
Pyridine
Concen: 37.411 ng
RT: 3.940 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion: 79 Resp: 804534

Ion	Ratio	Lower	Upper
79	100		
52	73.8	59.4	89.2
51	36.9	30.6	45.8

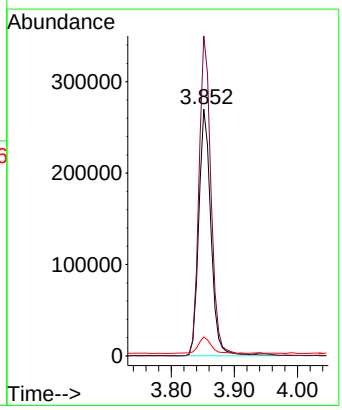


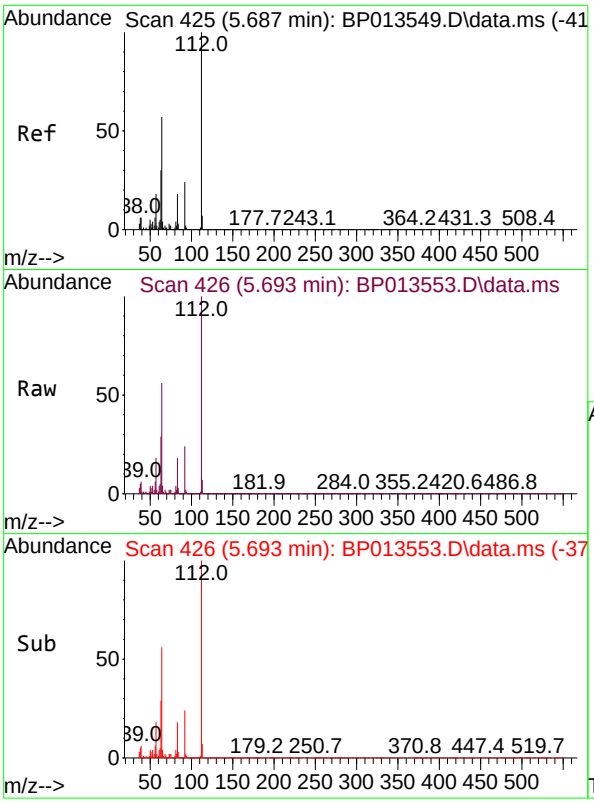


#4
n-Nitrosodimethylamine
Concen: 37.091 ng
RT: 3.852 min Scan# 113
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 42 Resp: 360645

Ion	Ratio	Lower	Upper
42	100		
74	129.7	102.3	153.5
44	7.6	6.2	9.2



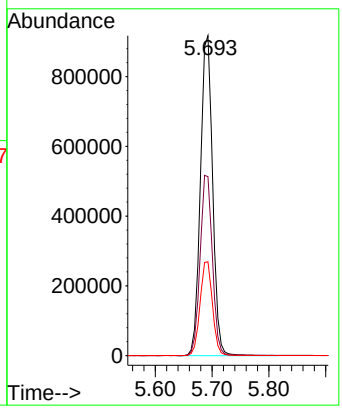


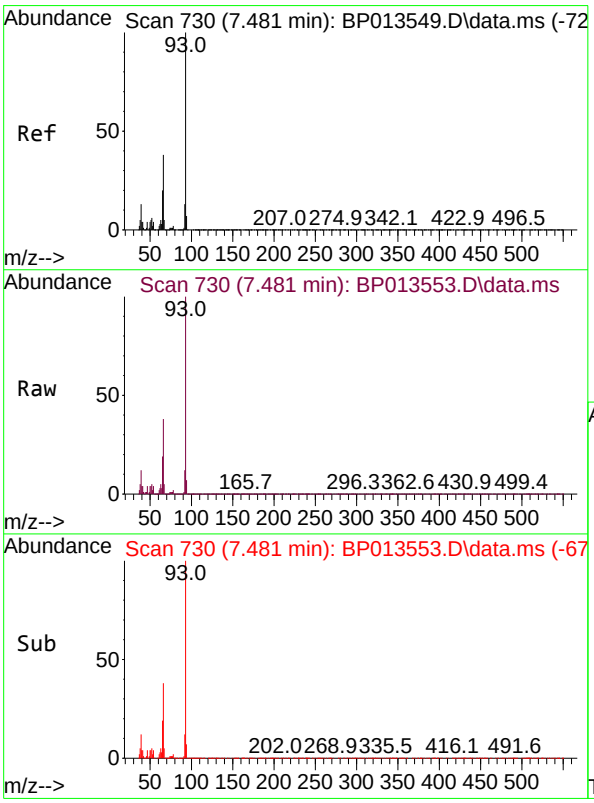
#5
2-Fluorophenol
Concen: 76.095 ng
RT: 5.693 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:112 Resp: 1367397

Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.4	68.0
63	29.3	24.1	36.1

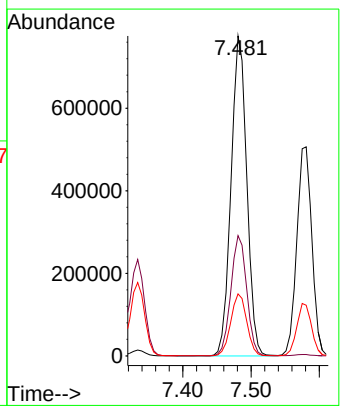


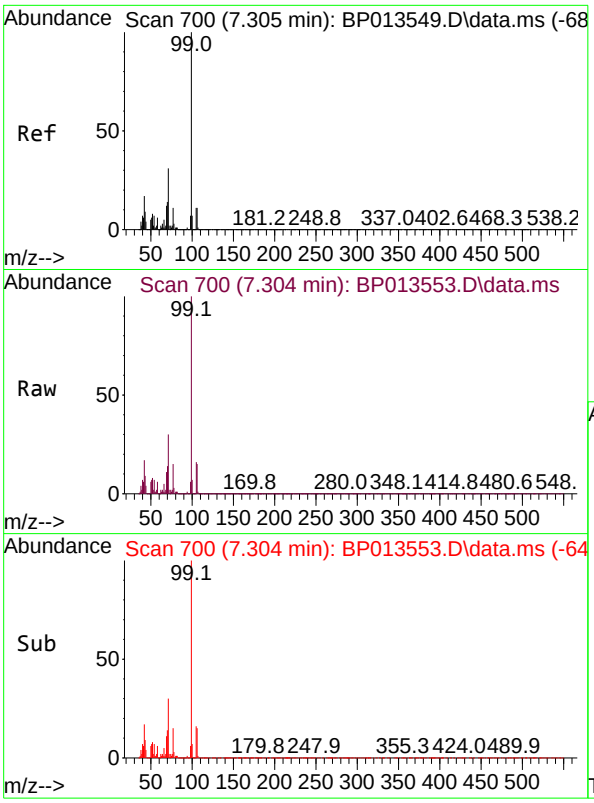


#6
Aniline
Concen: 38.267 ng
RT: 7.481 min Scan# 730
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 93 Resp: 1243239

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.3	45.5
65	19.4	15.9	23.9



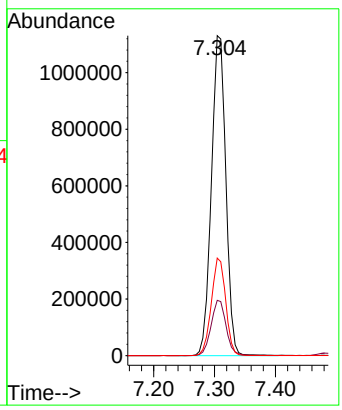


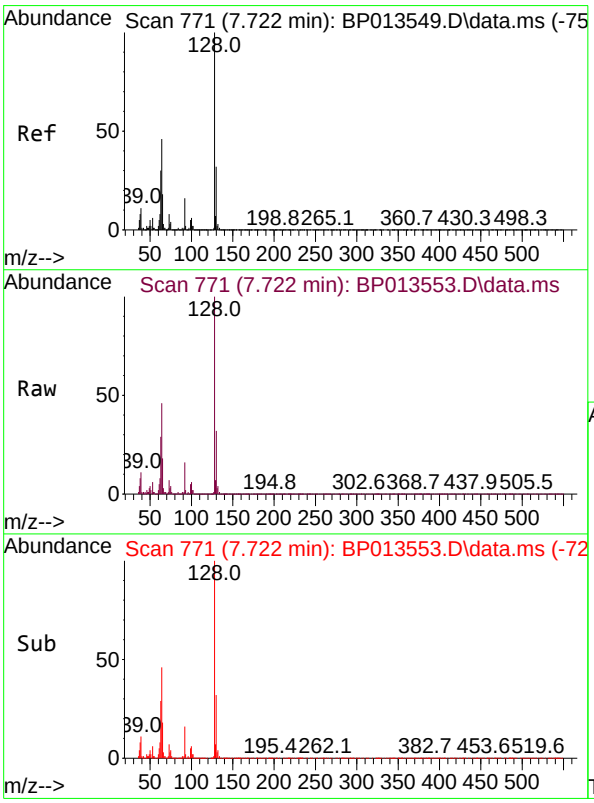
#7
Phenol-d6
Concen: 77.036 ng
RT: 7.304 min Scan# 70
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion: 99 Resp: 1863102

Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.0	21.0
71	30.5	24.7	37.1

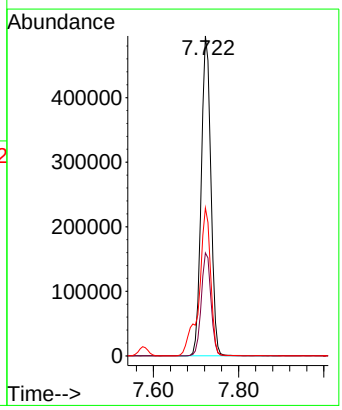


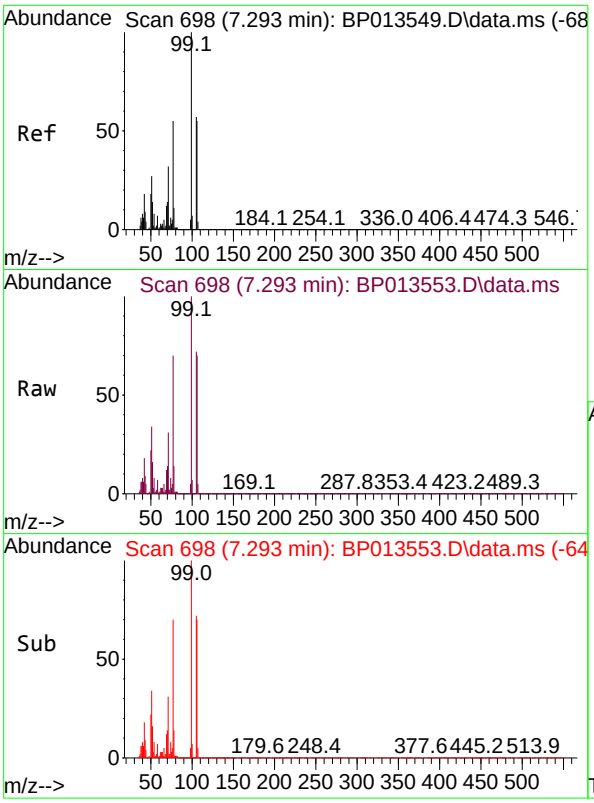


#8
2-Chlorophenol
Concen: 39.252 ng
RT: 7.722 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:128 Resp: 778318

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.4	52.4
64	46.2	26.2	66.2



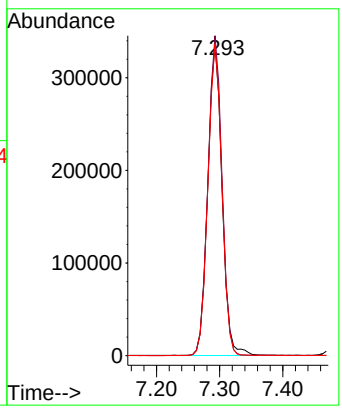


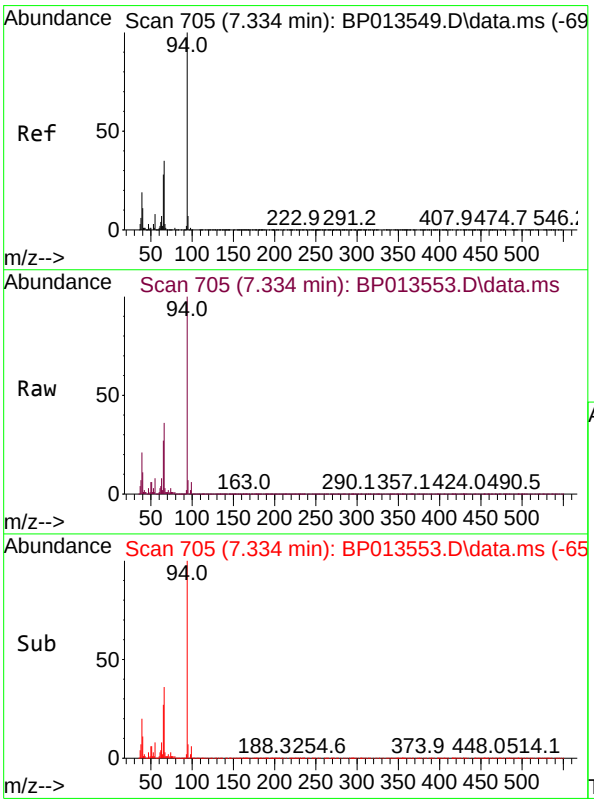
#9
Benzaldehyde
Concen: 34.538 ng
RT: 7.293 min Scan# 69
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion: 77 Resp: 528971

Ion	Ratio	Lower	Upper
77	100		
105	102.8	82.6	122.6
106	100.0	78.9	118.9

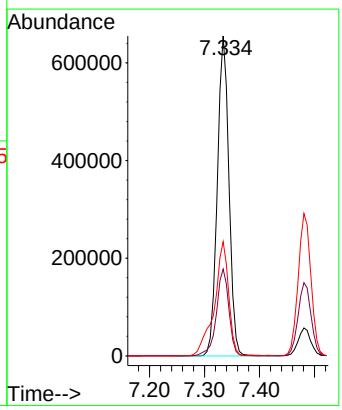


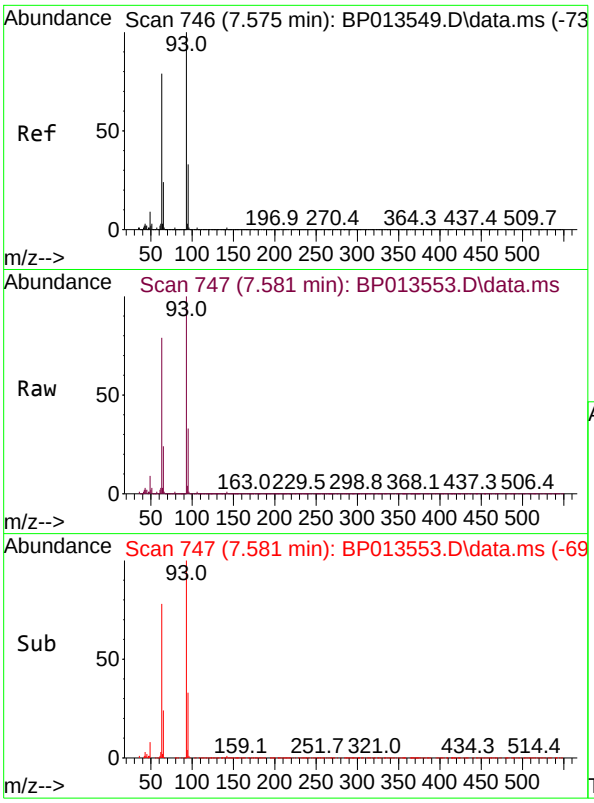


#10
Phenol
Concen: 38.384 ng
RT: 7.334 min Scan# 705
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 94 Resp: 961786

Ion	Ratio	Lower	Upper
94	100		
65	27.2	7.8	47.8
66	35.7	15.5	55.5



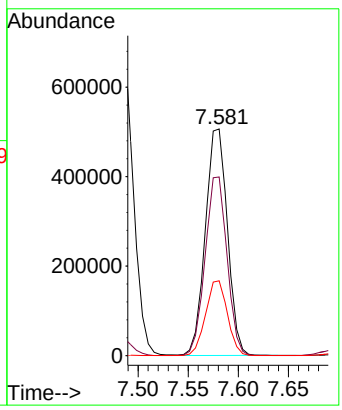


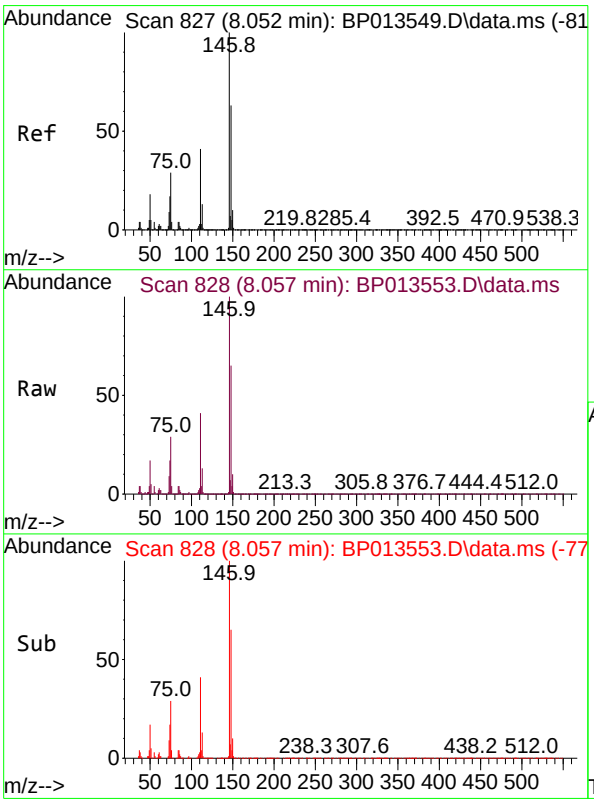
#11
bis(2-Chloroethyl)ether
Concen: 37.865 ng
RT: 7.581 min Scan# 74
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion: 93 Resp: 775792

Ion	Ratio	Lower	Upper
93	100		
63	78.9	58.7	98.7
95	33.0	12.8	52.8

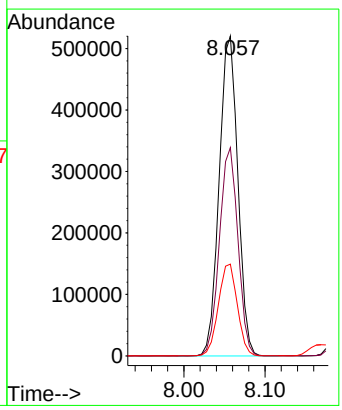


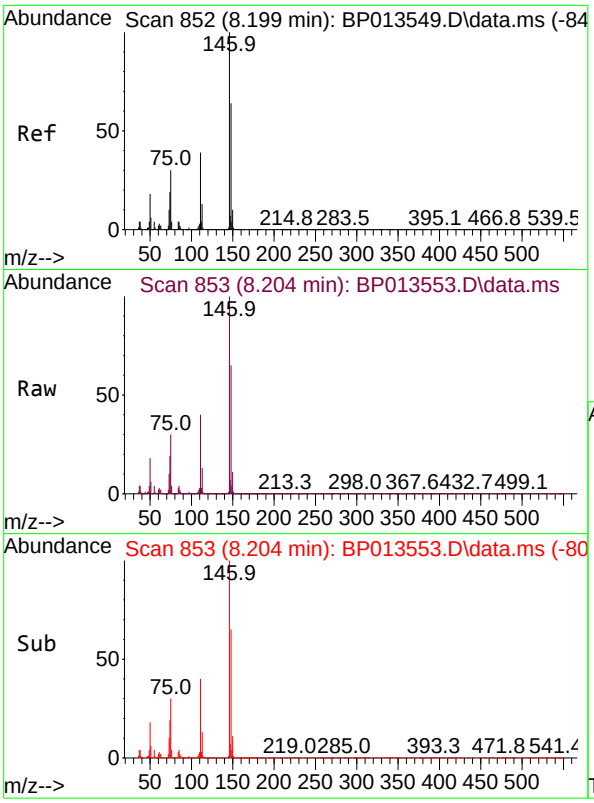


#12
1,3-Dichlorobenzene
Concen: 37.709 ng
RT: 8.057 min Scan# 828
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:146 Resp: 826890

Ion	Ratio	Lower	Upper
146	100		
148	65.1	50.7	76.1
75	28.7	23.4	35.2



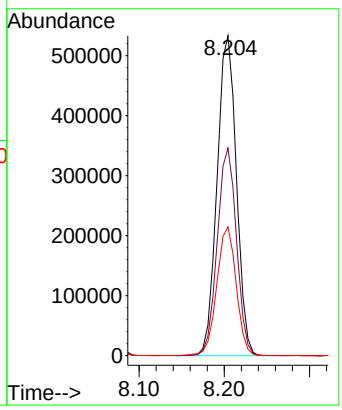


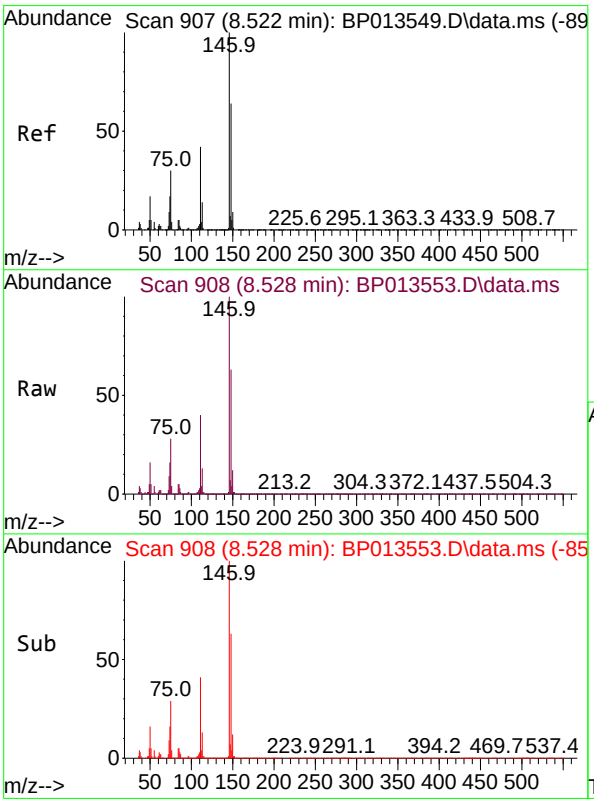
#13
1,4-Dichlorobenzene
Concen: 37.749 ng
RT: 8.204 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:146 Resp: 839331

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.4	77.0
111	40.2	31.4	47.2

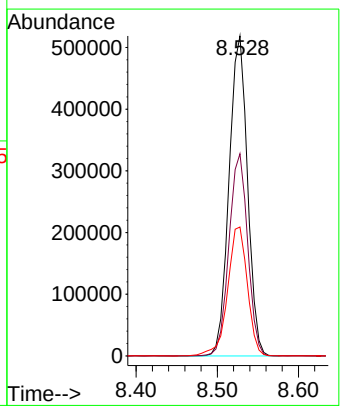


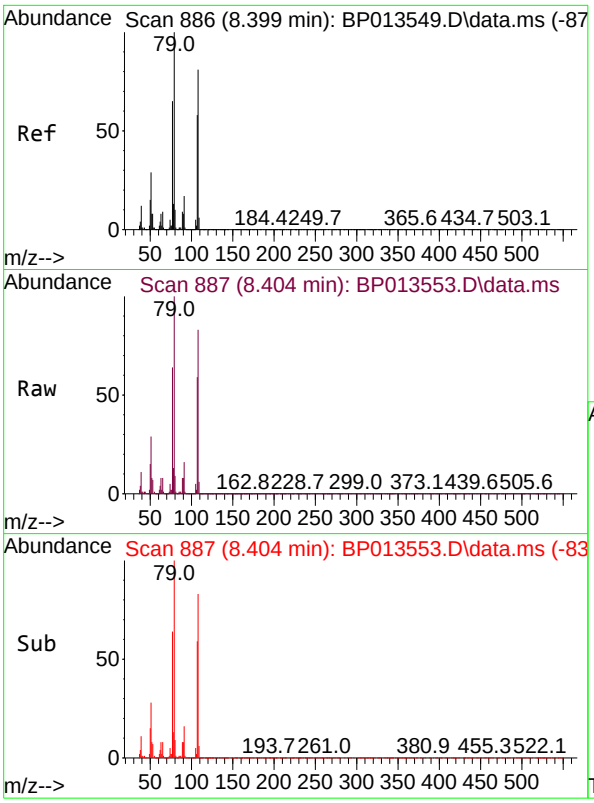


#14
1,2-Dichlorobenzene
Concen: 37.882 ng
RT: 8.528 min Scan# 908
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:146 Resp: 815583

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.8	76.2
111	40.3	33.4	50.2



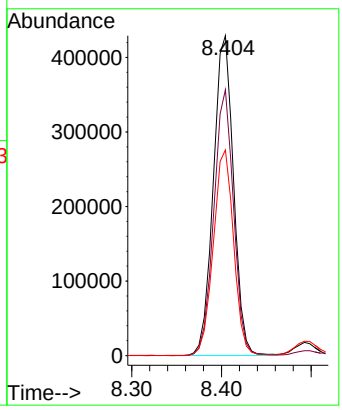


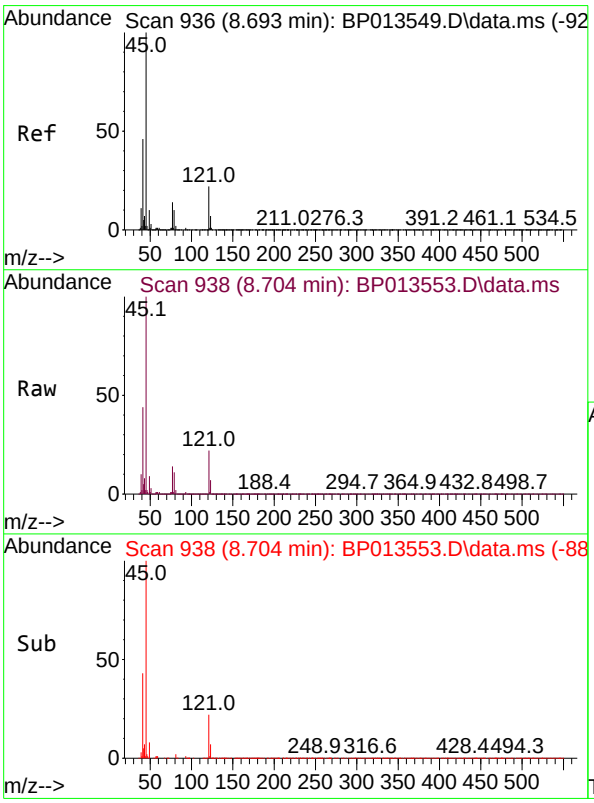
#15
Benzyl Alcohol
Concen: 38.823 ng
RT: 8.404 min Scan# 88
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion: 79 Resp: 670831

Ion	Ratio	Lower	Upper
79	100		
108	83.1	65.2	97.8
77	64.3	52.3	78.5

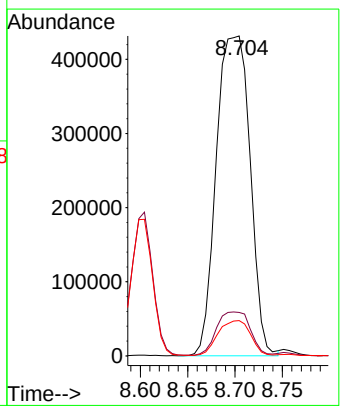


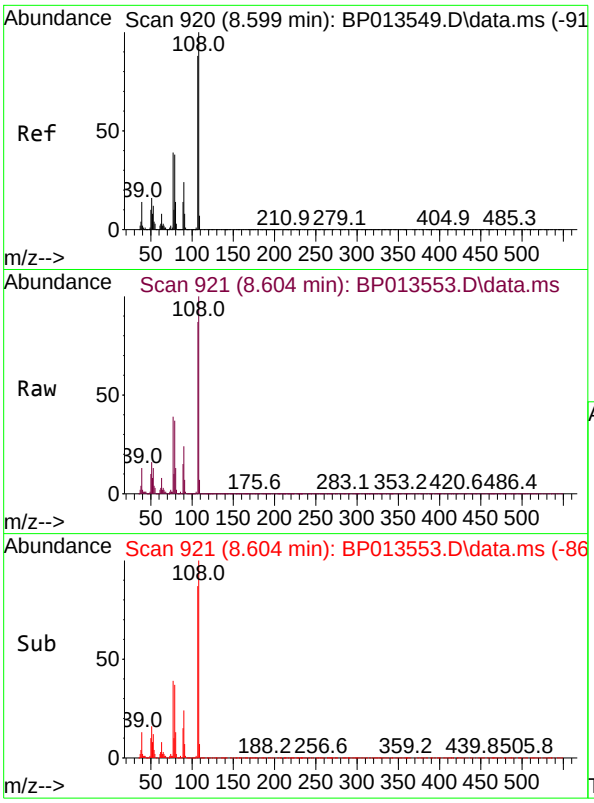


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.176 ng
RT: 8.704 min Scan# 938
Delta R.T. 0.012 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 45 Resp: 1071046

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	34.2
79	11.0	0.0	30.4



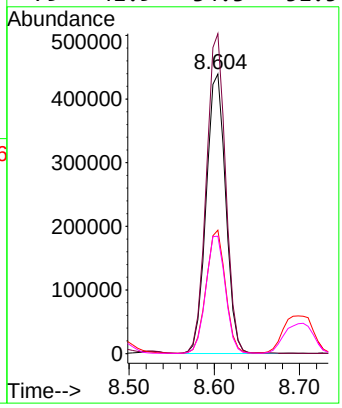


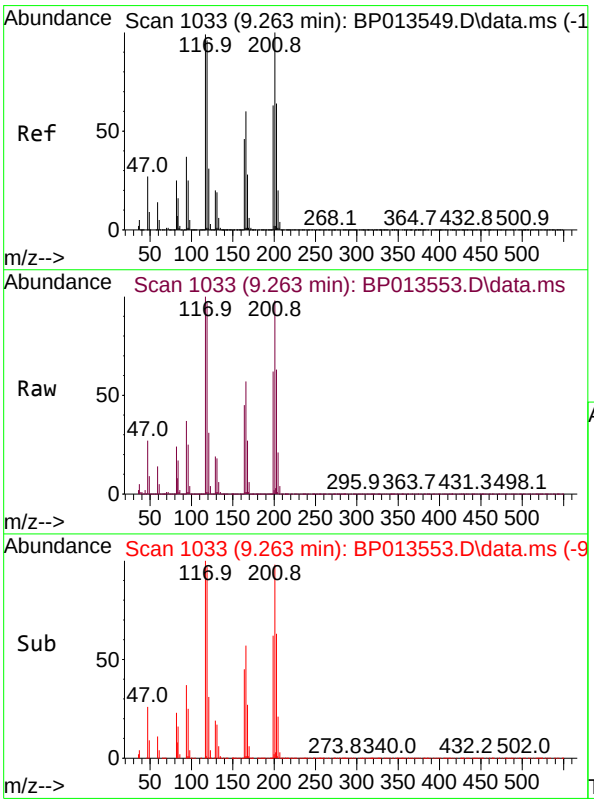
#17
2-Methylphenol
Concen: 38.338 ng
RT: 8.604 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:107 Resp: 697658

Ion	Ratio	Lower	Upper
107	100		
108	114.4	90.5	135.7
77	44.1	35.4	53.2
79	41.9	34.3	51.5

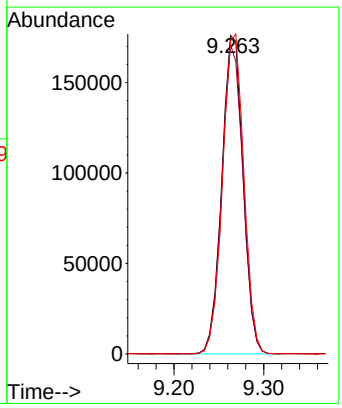


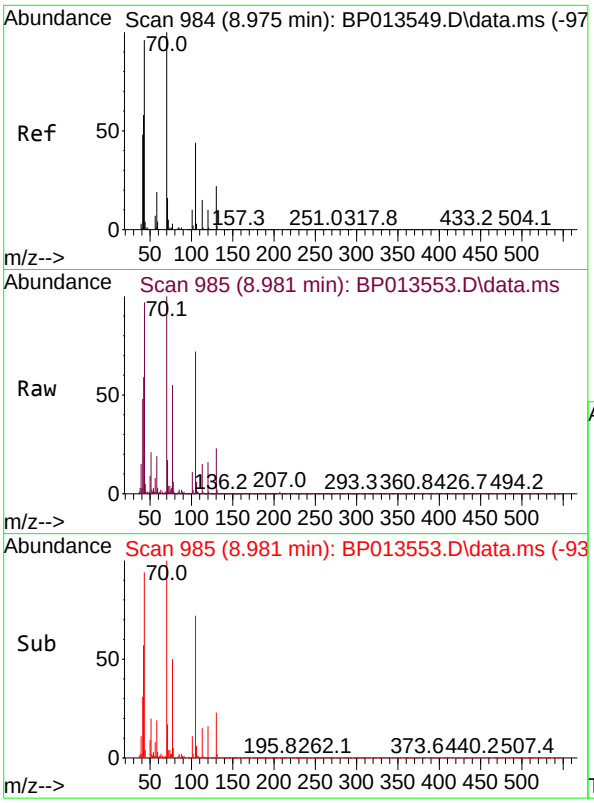


#18
Hexachloroethane
Concen: 39.268 ng
RT: 9.263 min Scan# 1033
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:117 Resp: 291834

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.0	115.6
201	98.3	80.6	120.8



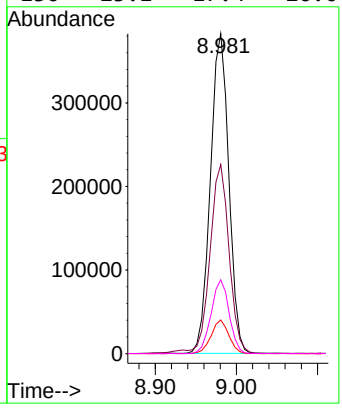


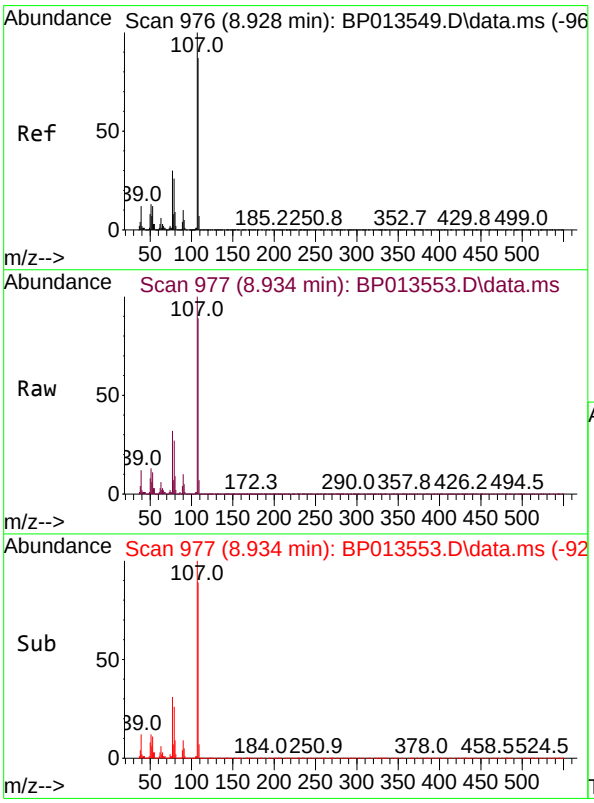
#19
n-Nitroso-di-n-propylamine
Concen: 38.731 ng
RT: 8.981 min Scan# 98
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion: 70 Resp: 603321

Ion	Ratio	Lower	Upper
70	100		
42	59.1	47.2	70.8
101	10.5	8.0	12.0
130	23.1	17.4	26.0

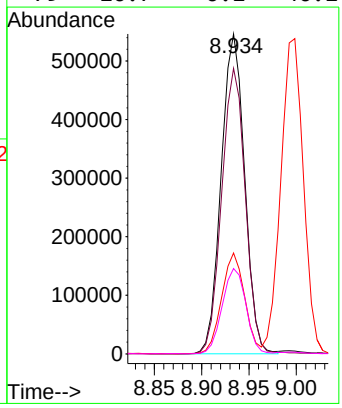


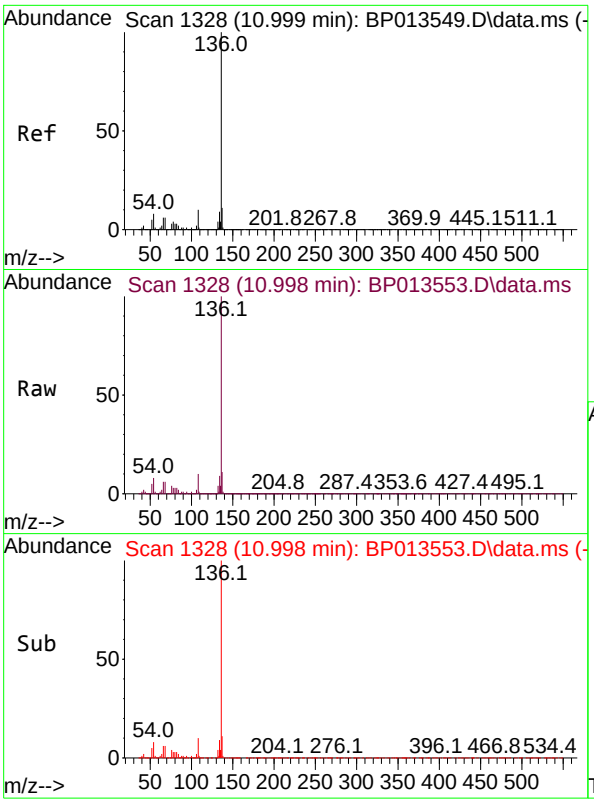


#20
3+4-Methylphenols
Concen: 39.161 ng
RT: 8.934 min Scan# 977
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:107 Resp: 938013

Ion	Ratio	Lower	Upper
107	100		
108	89.2	67.5	107.5
77	31.5	10.5	50.5
79	26.7	6.2	46.2



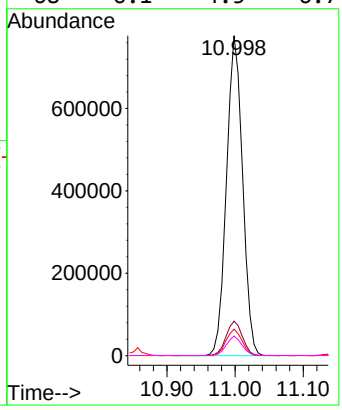


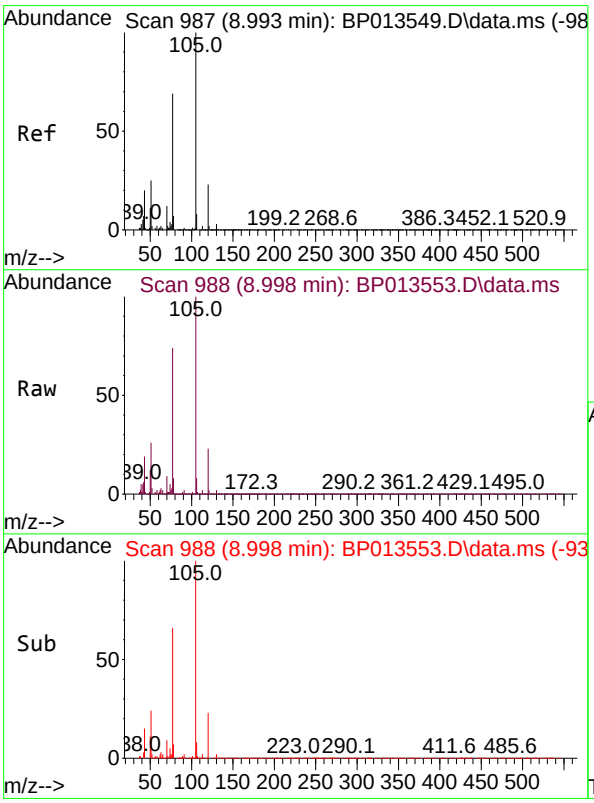
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.998 min Scan# 1
Delta R.T. -0.001 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:136 Resp: 1268184

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	8.3	6.6	9.8
68	6.1	4.5	6.7

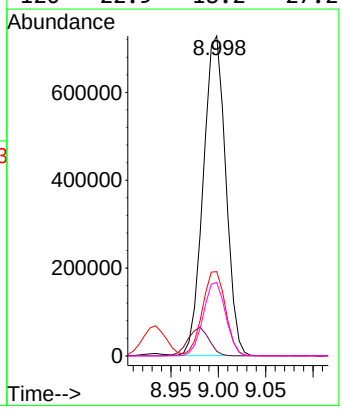


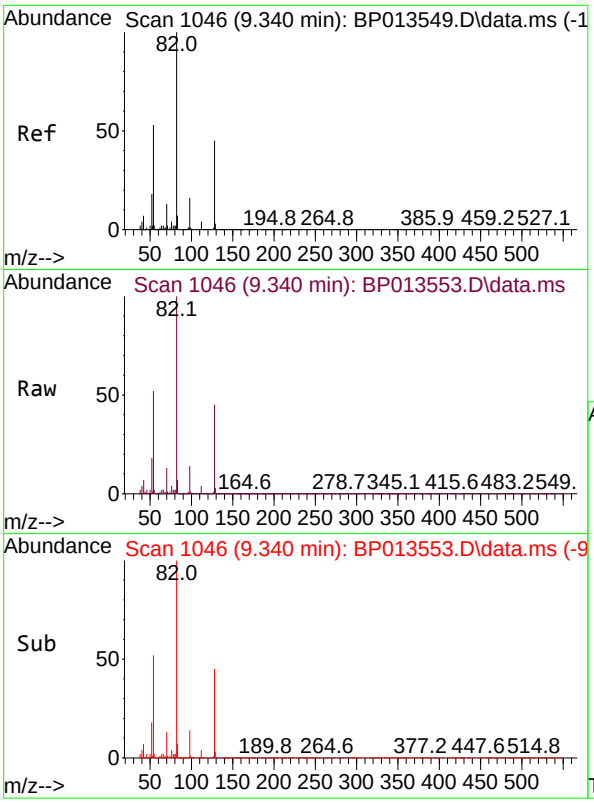


#22
Acetophenone
Concen: 37.021 ng
RT: 8.998 min Scan# 988
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:105 Resp: 1204423

Ion	Ratio	Lower	Upper
105	100		
71	1.4	1.8	2.8#
51	26.4	21.1	31.7
120	22.9	18.2	27.2



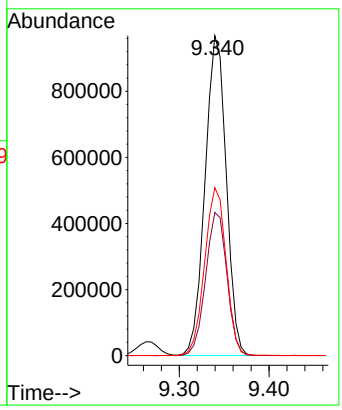


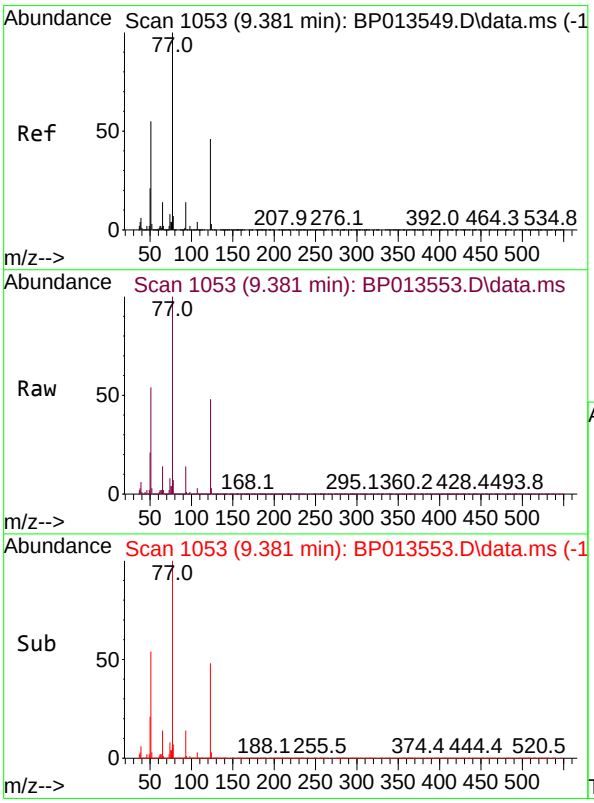
#23
Nitrobenzene-d5
Concen: 82.614 ng
RT: 9.340 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion: 82 Resp: 1587028

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.8	53.6
54	52.5	42.6	64.0

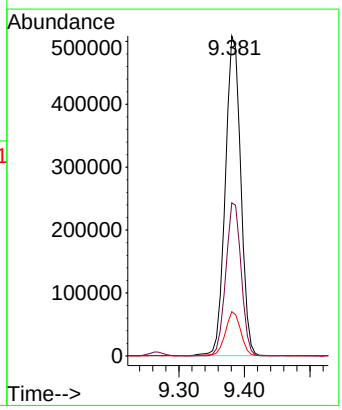


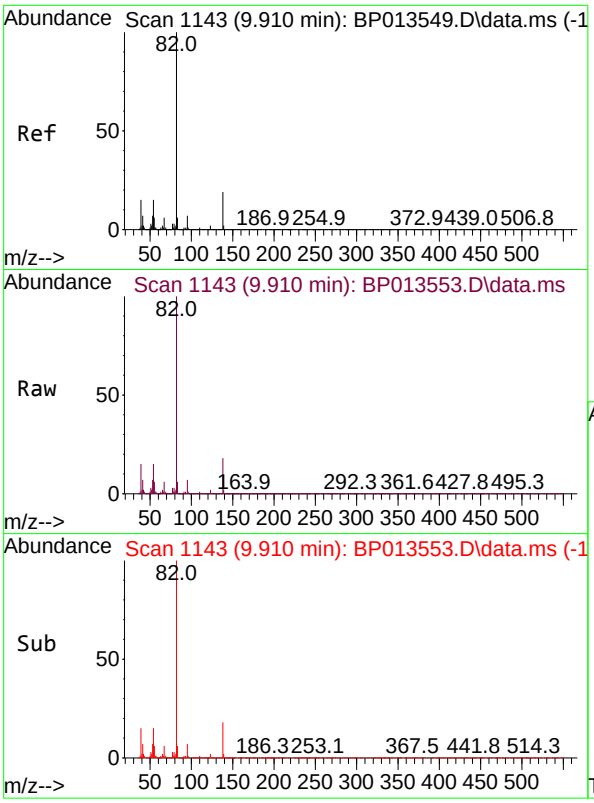


#24
Nitrobenzene
Concen: 40.379 ng
RT: 9.381 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 77 Resp: 834008

Ion	Ratio	Lower	Upper
77	100		
123	47.8	37.2	55.8
65	13.8	11.1	16.7



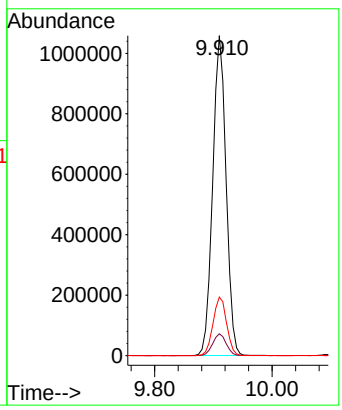


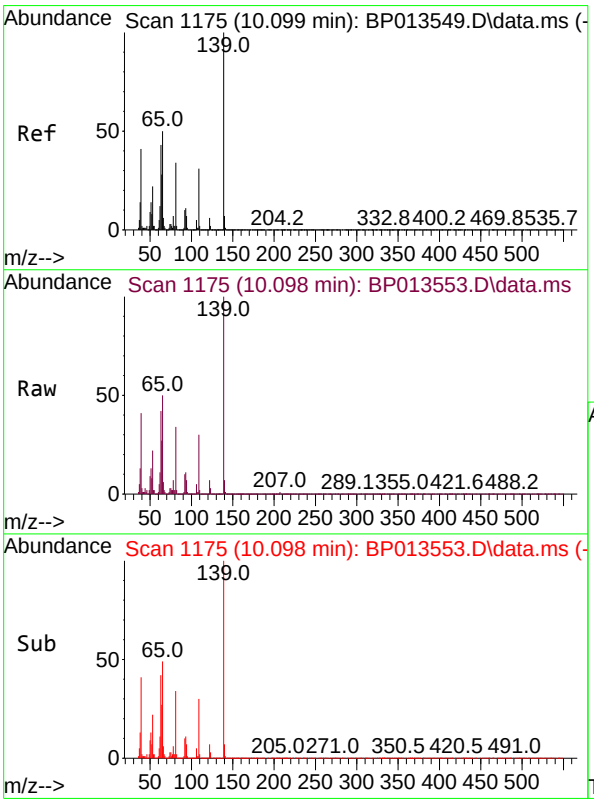
#25
Isophorone
Concen: 36.688 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion: 82 Resp: 1671680

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.8	8.8
138	18.3	15.1	22.7

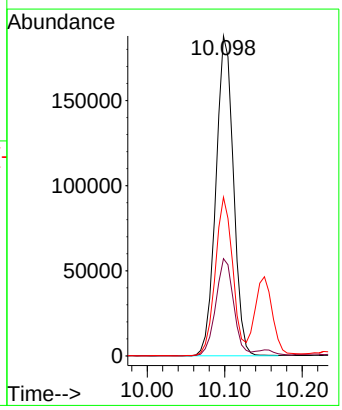


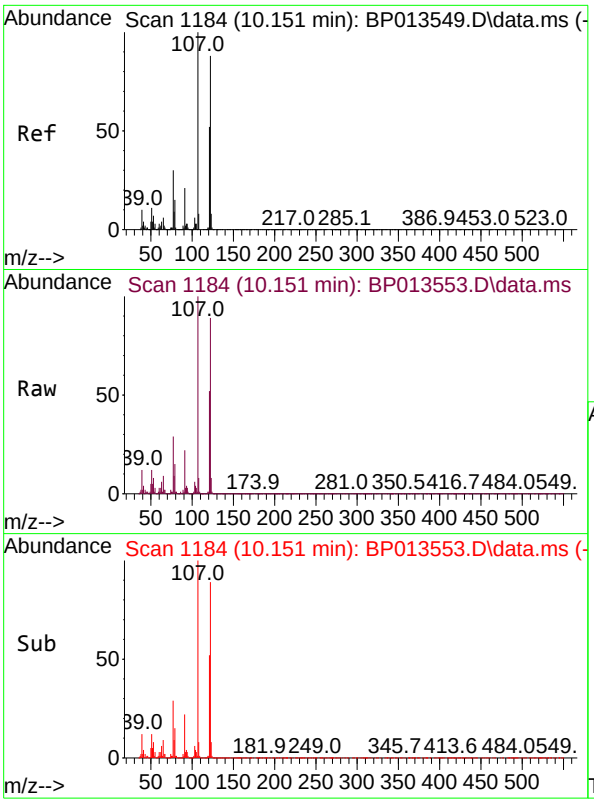


#26
2-Nitrophenol
Concen: 42.146 ng
RT: 10.098 min Scan# 1175
Delta R.T. -0.001 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:139 Resp: 295785

Ion	Ratio	Lower	Upper
139	100		
109	30.4	25.1	37.7
65	49.6	40.1	60.1



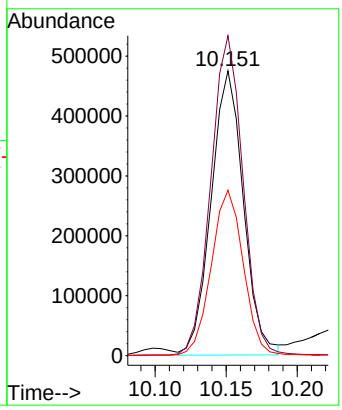


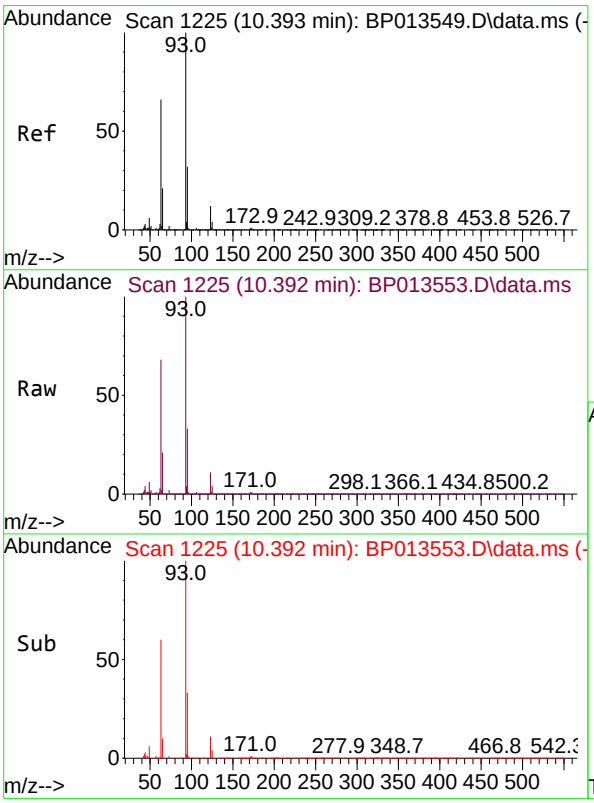
#27
2,4-Dimethylphenol
Concen: 38.110 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:122 Resp: 749604

Ion	Ratio	Lower	Upper
122	100		
107	112.4	90.7	136.1
121	58.1	47.0	70.4

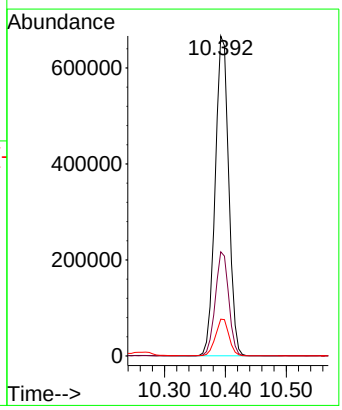


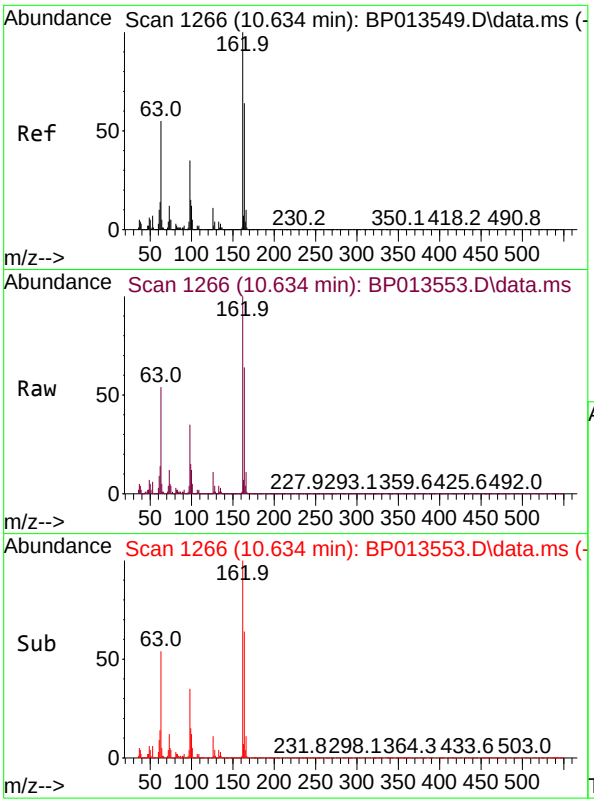


#28
bis(2-Chloroethoxy)methane
Concen: 37.453 ng
RT: 10.392 min Scan# 1225
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 93 Resp: 1028419

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	11.5	9.4	14.0



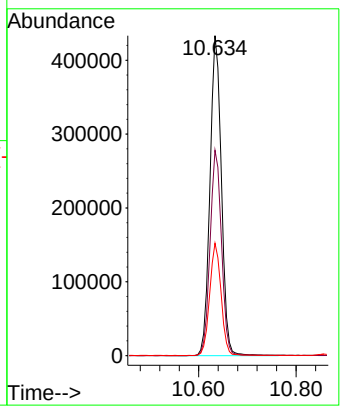


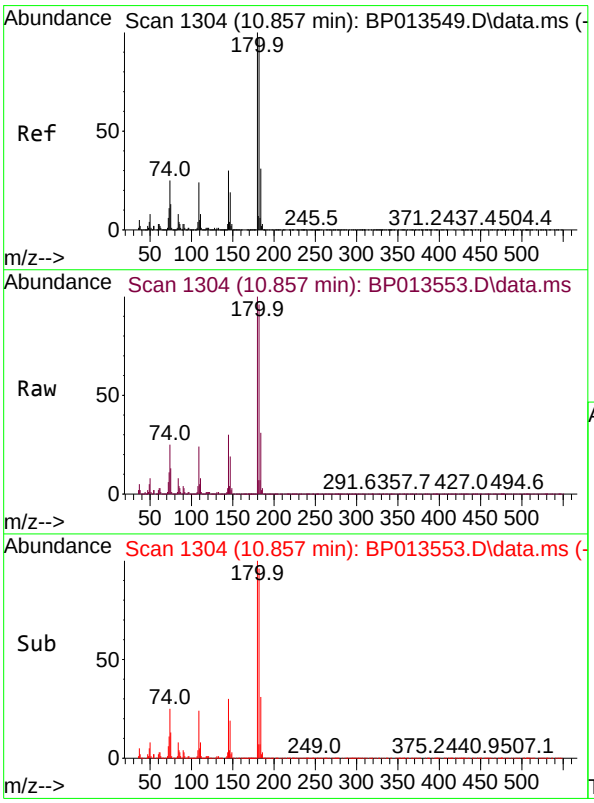
#29
2,4-Dichlorophenol
Concen: 39.116 ng
RT: 10.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:162 Resp: 707699

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.3	84.3
98	35.1	15.3	55.3

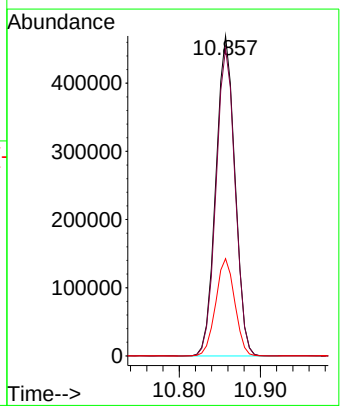


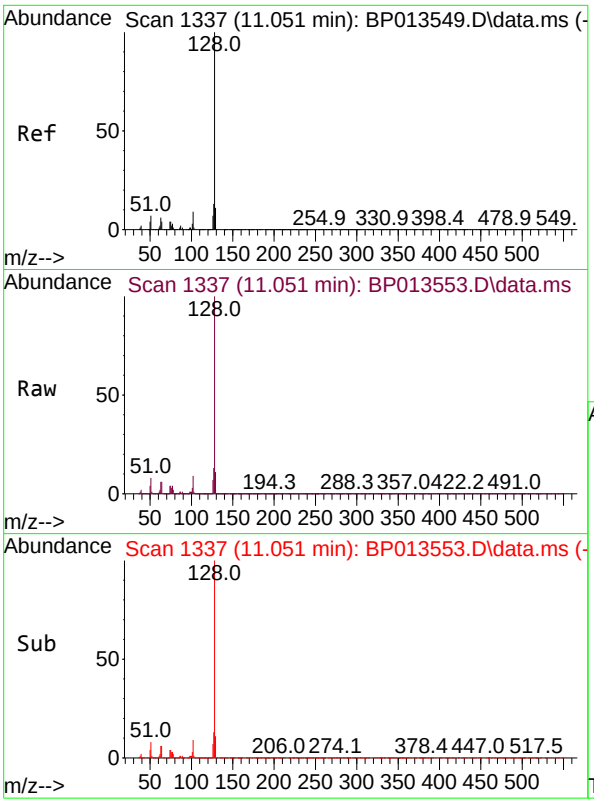


#30
1,2,4-Trichlorobenzene
Concen: 37.053 ng
RT: 10.857 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:180 Resp: 765047

Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.9	116.9
145	30.4	24.0	36.0



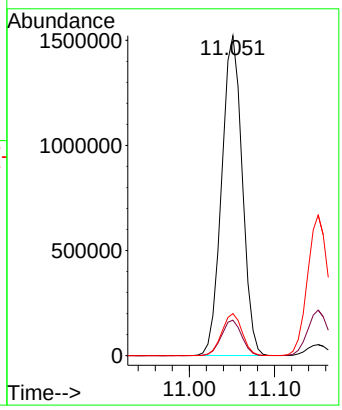


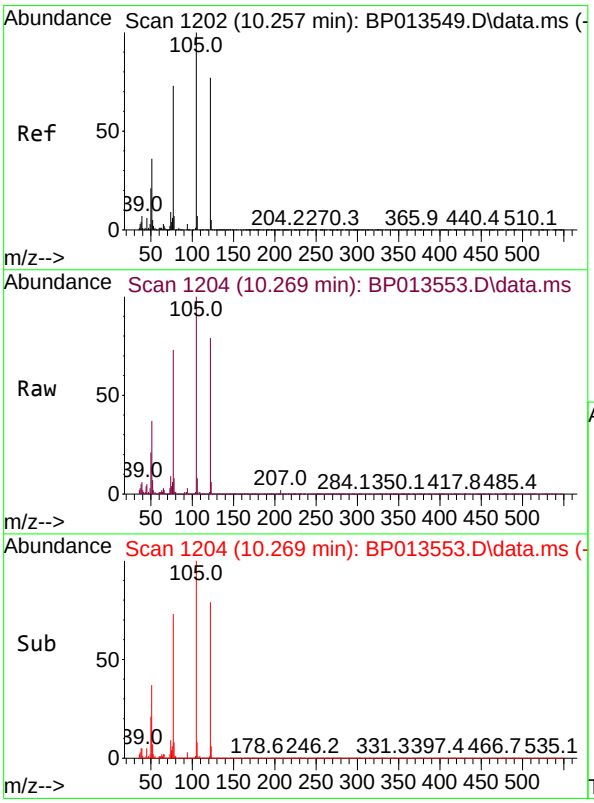
#31
Naphthalene
Concen: 37.348 ng
RT: 11.051 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:128 Resp: 2546353

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.5	12.7
127	13.2	10.6	16.0

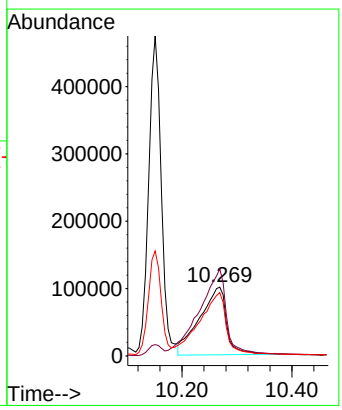


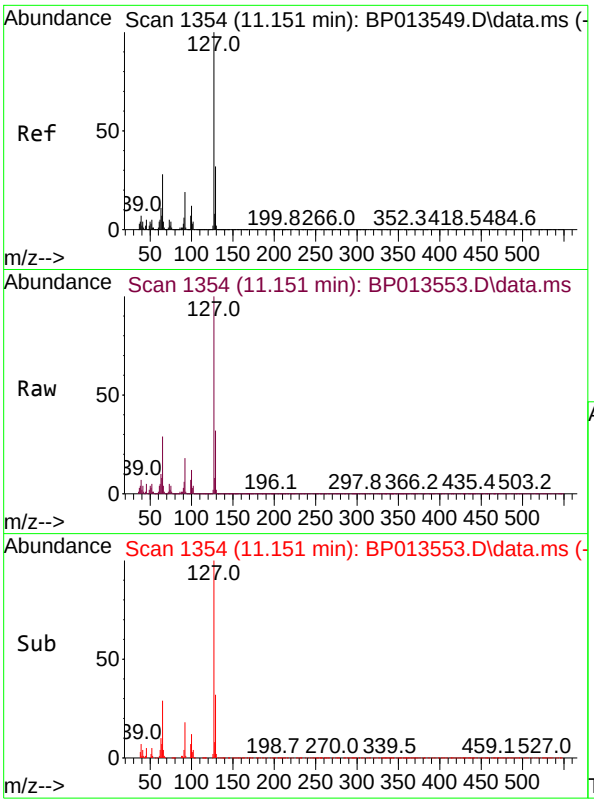


#32
Benzoic acid
Concen: 40.030 ng
RT: 10.269 min Scan# 1204
Delta R.T. 0.012 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:122 Resp: 344121

Ion	Ratio	Lower	Upper
122	100		
105	126.6	100.5	140.5
77	92.0	70.9	110.9



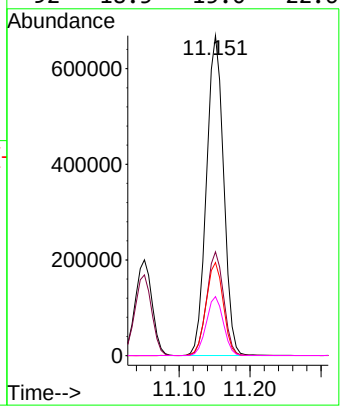


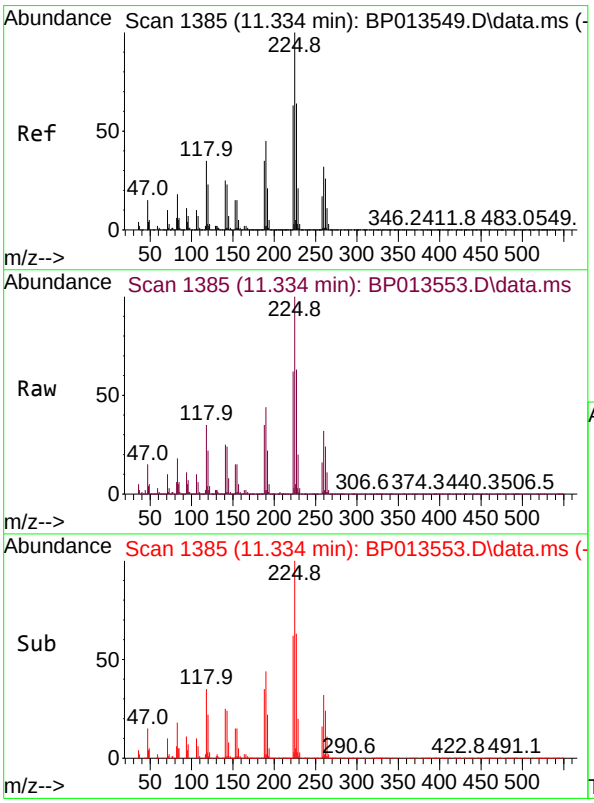
#33
4-Chloroaniline
Concen: 37.166 ng
RT: 11.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:127 Resp: 1121210

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.7	38.5
65	29.1	22.7	34.1
92	18.5	15.0	22.6

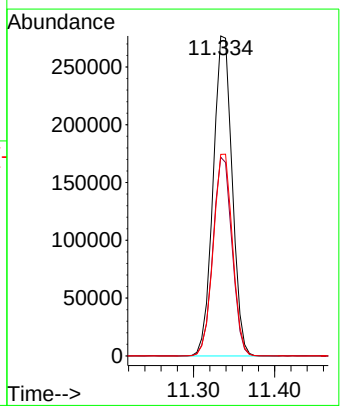


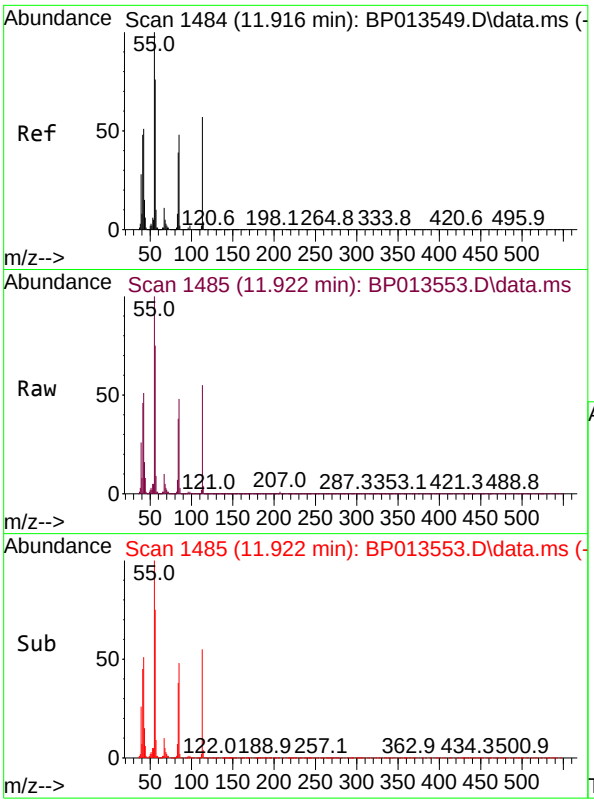


#34
Hexachlorobutadiene
Concen: 37.447 ng
RT: 11.334 min Scan# 1385
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:225 Resp: 449944

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.2	75.2
227	63.0	51.4	77.2



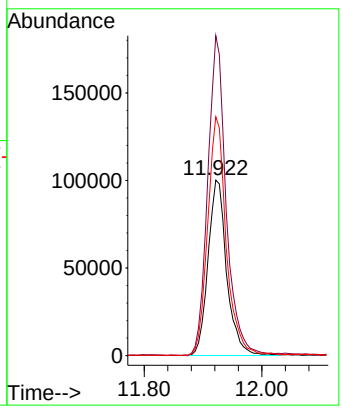


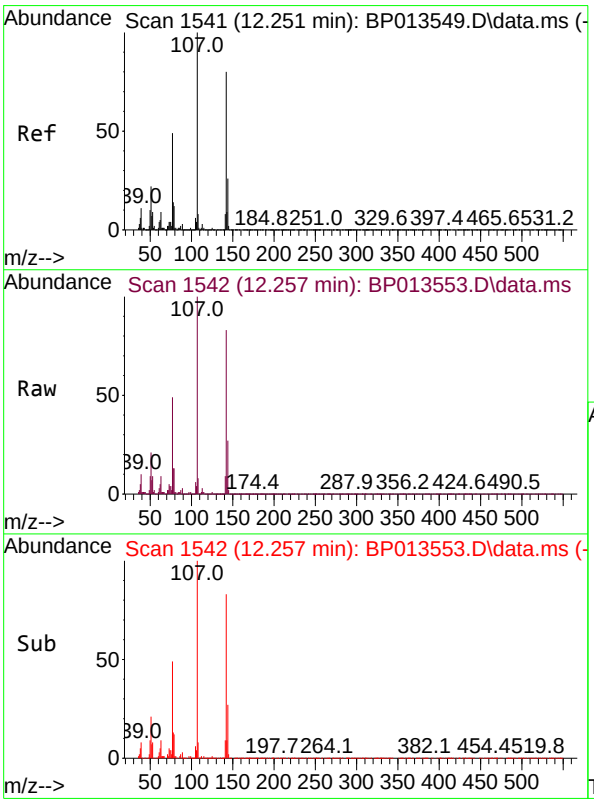
#35
Caprolactam
Concen: 37.701 ng
RT: 11.922 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:113 Resp: 221138

Ion	Ratio	Lower	Upper
113	100		
55	182.4	156.5	196.5
56	136.1	113.5	153.5

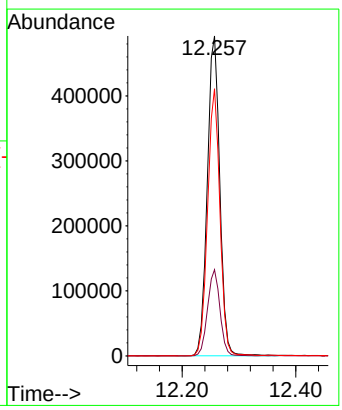


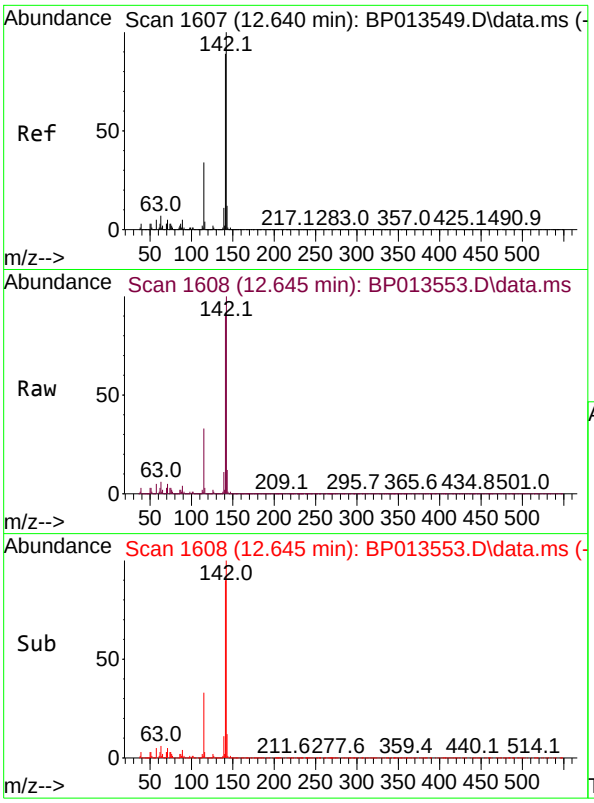


#36
4-Chloro-3-methylphenol
Concen: 38.267 ng
RT: 12.257 min Scan# 1542
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:107 Resp: 754003

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.1	31.7
142	83.5	64.0	96.0



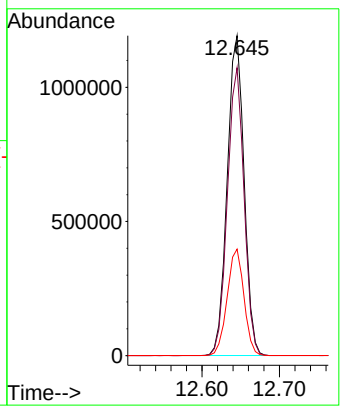


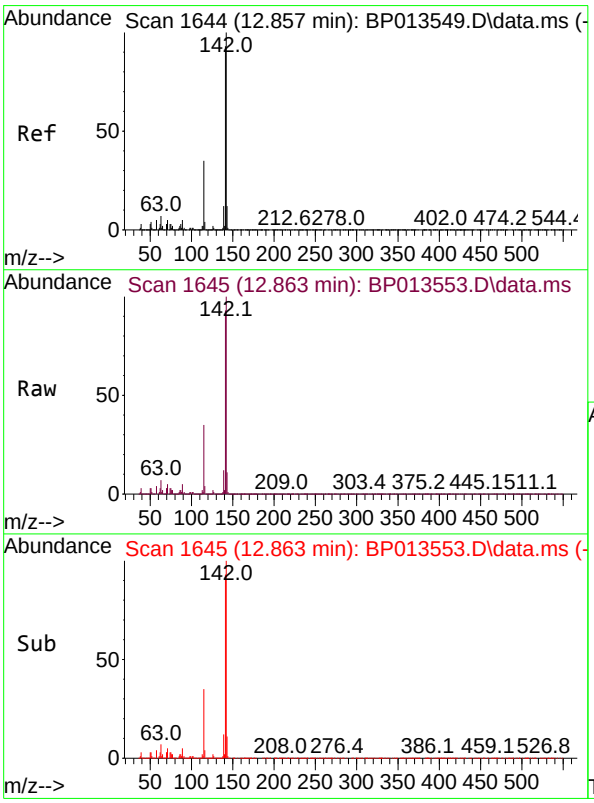
#37
2-Methylnaphthalene
Concen: 37.330 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:142 Resp: 1809077

Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.4	107.2
115	33.3	27.4	41.2

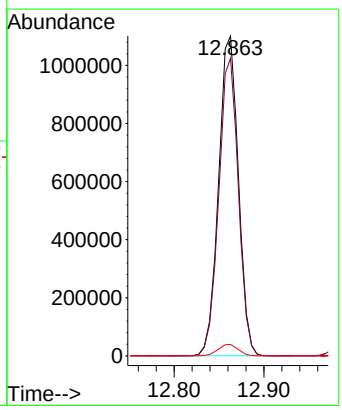


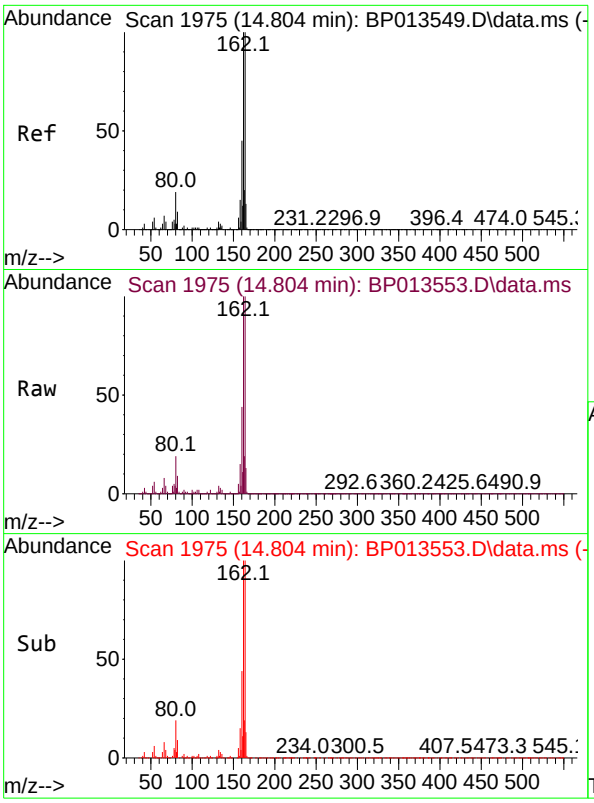


#38
1-Methylnaphthalene
Concen: 37.148 ng
RT: 12.863 min Scan# 1645
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:142 Resp: 1691617

Ion	Ratio	Lower	Upper
142	100		
141	93.0	74.3	111.5
116	3.6	3.0	4.6



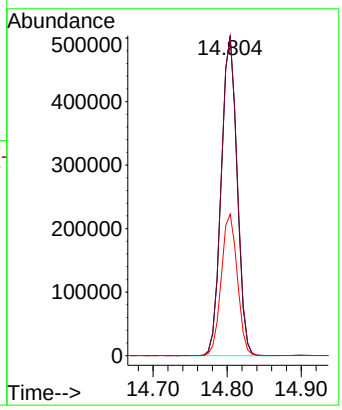


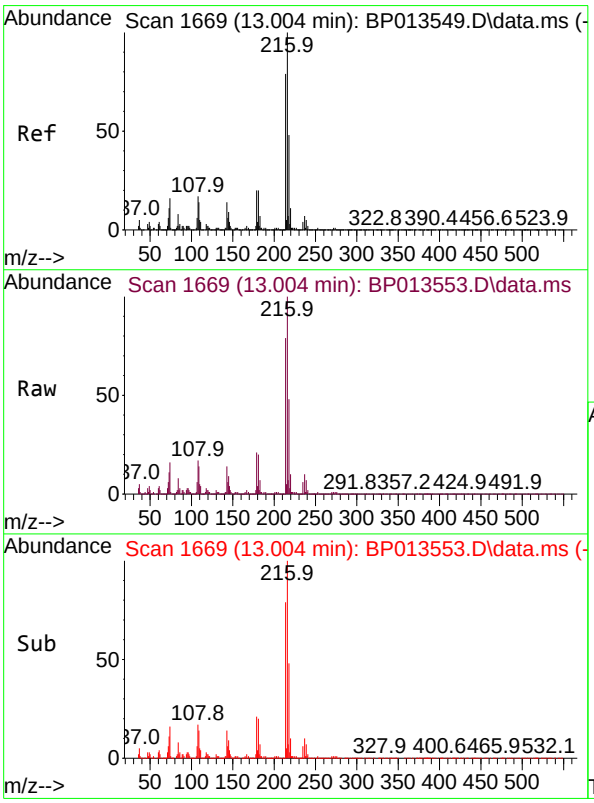
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.804 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:164 Resp: 742399

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.1	120.1
160	44.2	35.9	53.9

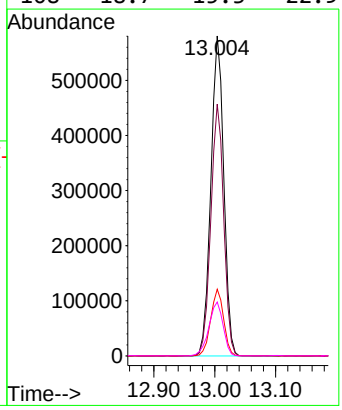


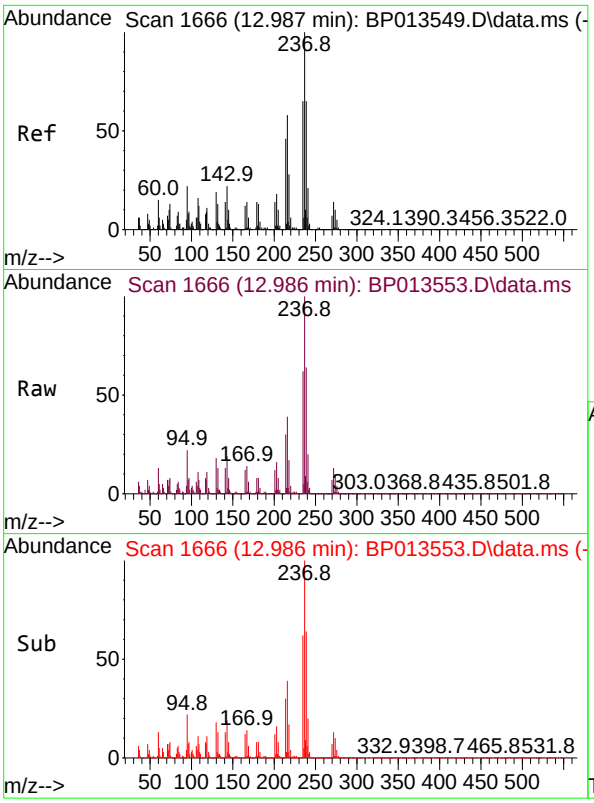


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.386 ng
RT: 13.004 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:216 Resp: 854510

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.9	94.3
179	20.9	16.6	24.8
108	18.7	15.3	22.9



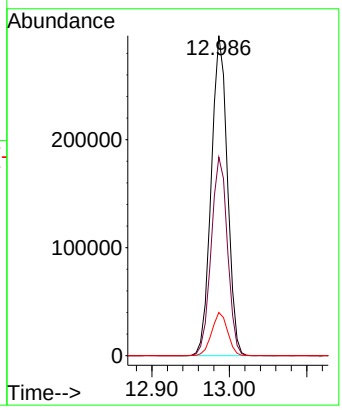


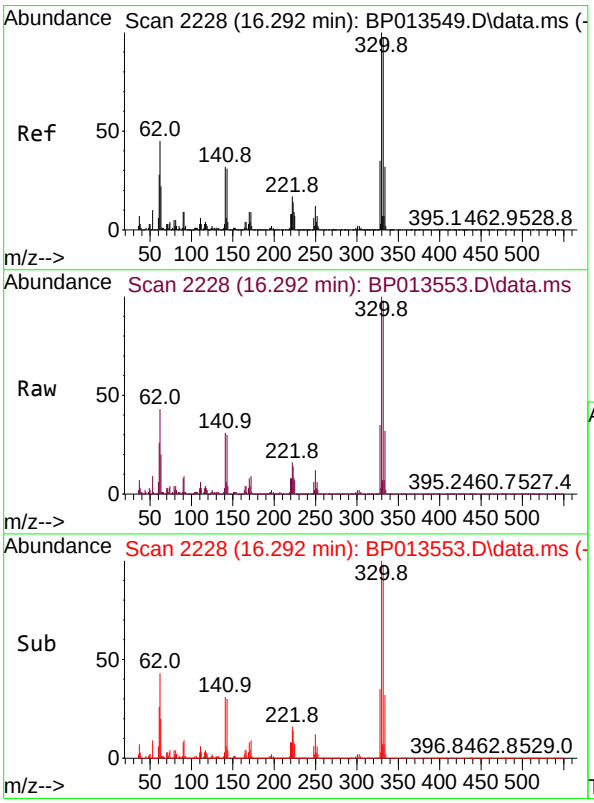
#41
Hexachlorocyclopentadiene
Concen: 37.871 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.001 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:237 Resp: 428491

Ion	Ratio	Lower	Upper
237	100		
235	62.0	44.6	84.6
272	13.5	0.0	33.9

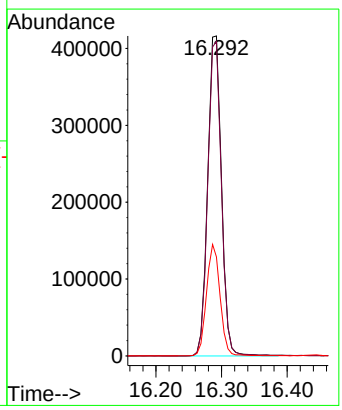


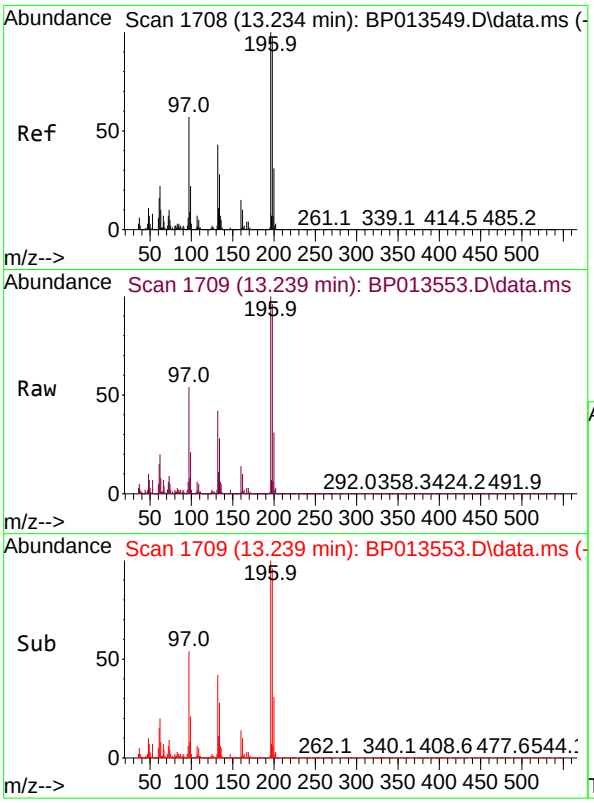


#42
2,4,6-Tribromophenol
Concen: 81.396 ng
RT: 16.292 min Scan# 2228
Delta R.T. 0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:330 Resp: 606126

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.2
141	34.3	27.6	41.4



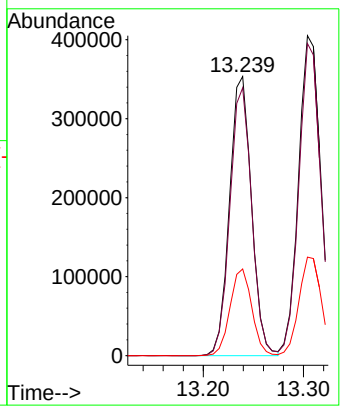


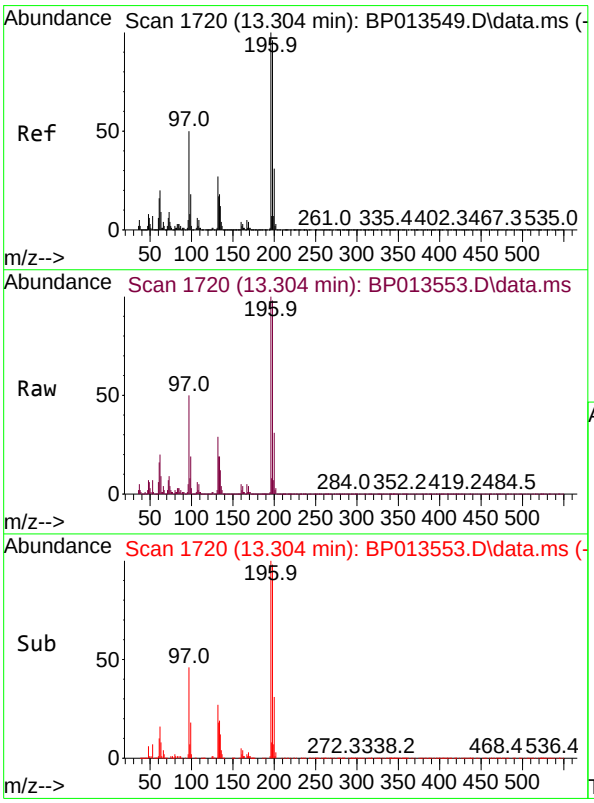
#43
2,4,6-Trichlorophenol
Concen: 40.167 ng
RT: 13.239 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:196 Resp: 537312

Ion	Ratio	Lower	Upper
196	100		
198	95.9	77.3	115.9
200	31.0	24.6	36.8

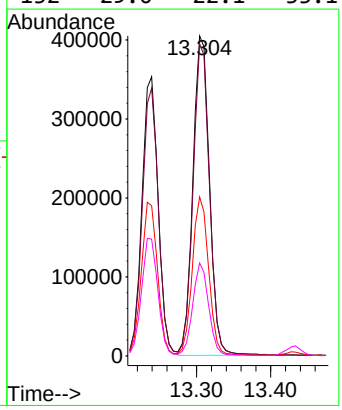


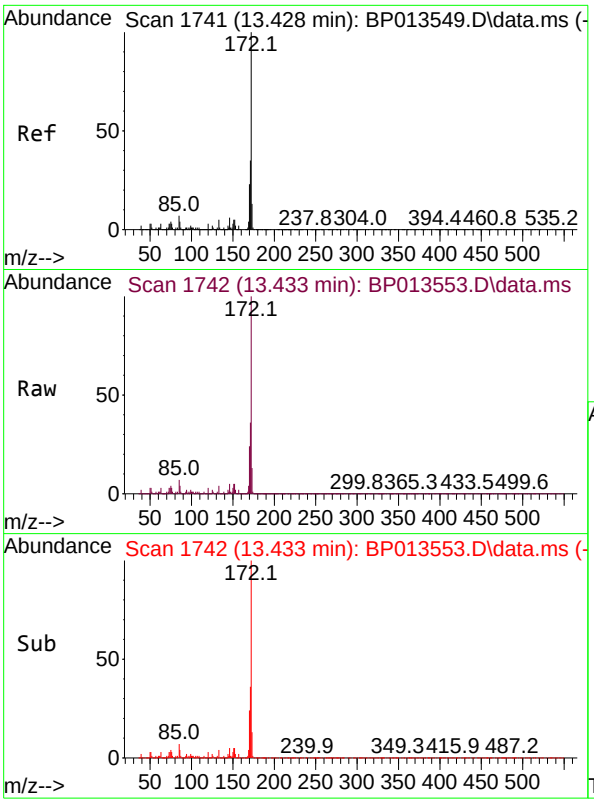


#44
2,4,5-Trichlorophenol
Concen: 39.842 ng
RT: 13.304 min Scan# 1720
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:196 Resp: 629795

Ion	Ratio	Lower	Upper
196	100		
198	97.5	76.7	115.1
97	49.7	40.0	60.0
132	29.0	22.1	33.1



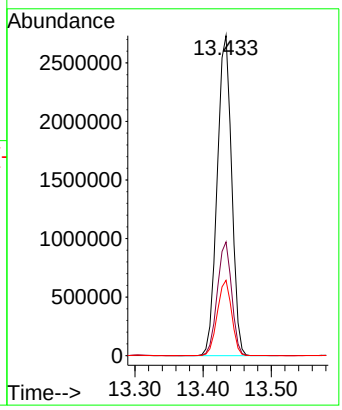


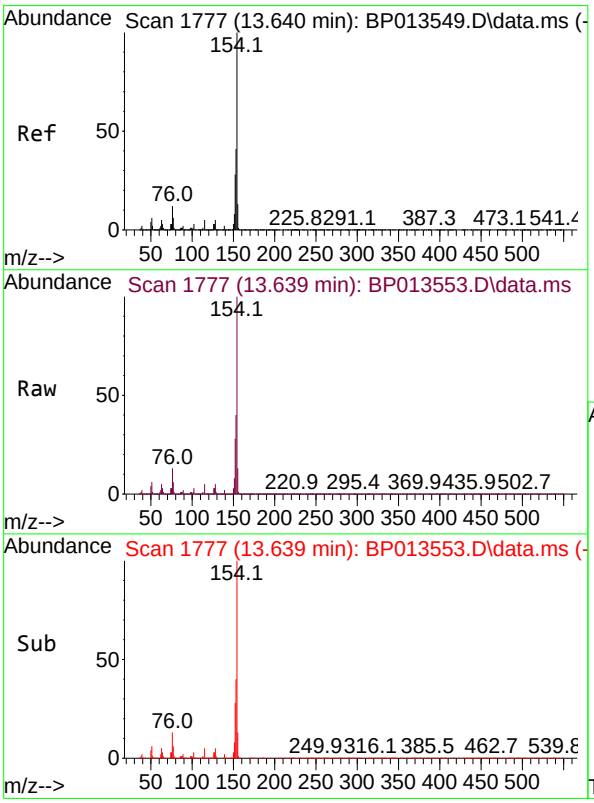
#45
2-Fluorobiphenyl
Concen: 73.903 ng
RT: 13.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:172 Resp: 3997051

Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.8	41.8
170	23.5	18.6	27.8

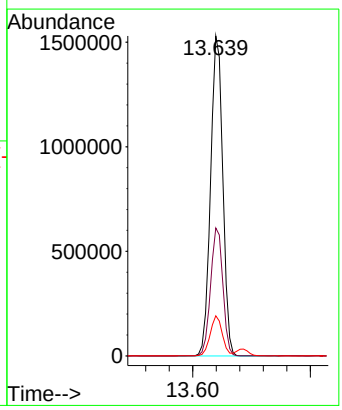


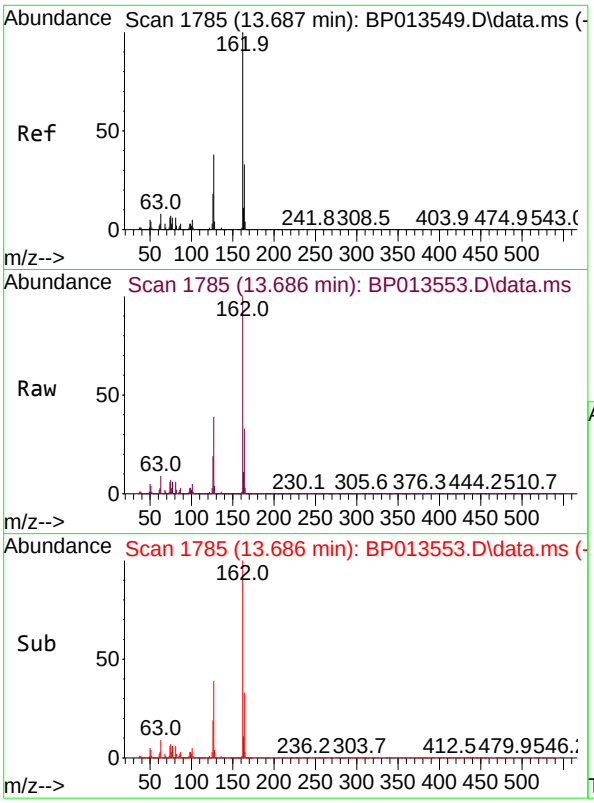


#46
1,1'-Biphenyl
Concen: 36.918 ng
RT: 13.639 min Scan# 1777
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:154 Resp: 2201142

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.5	60.5
76	12.5	0.0	32.1



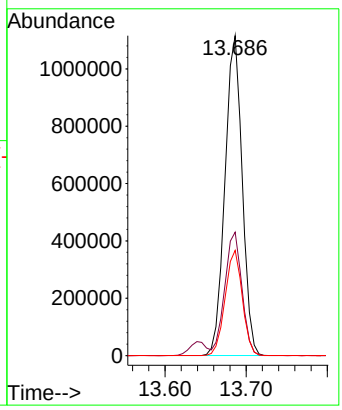


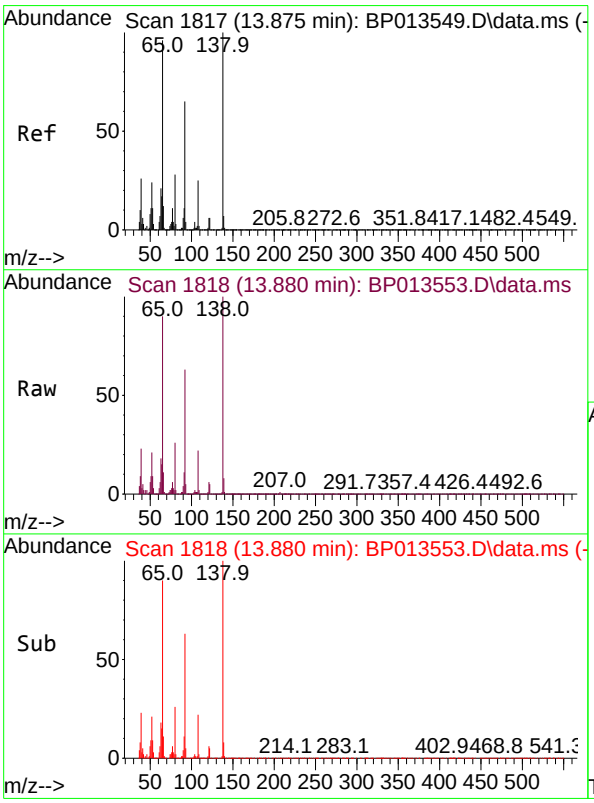
#47
2-Chloronaphthalene
Concen: 36.807 ng
RT: 13.686 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:162 Resp: 1644062

Ion	Ratio	Lower	Upper
162	100		
127	38.6	30.8	46.2
164	32.9	26.2	39.2

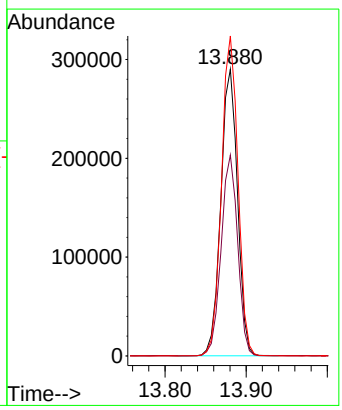


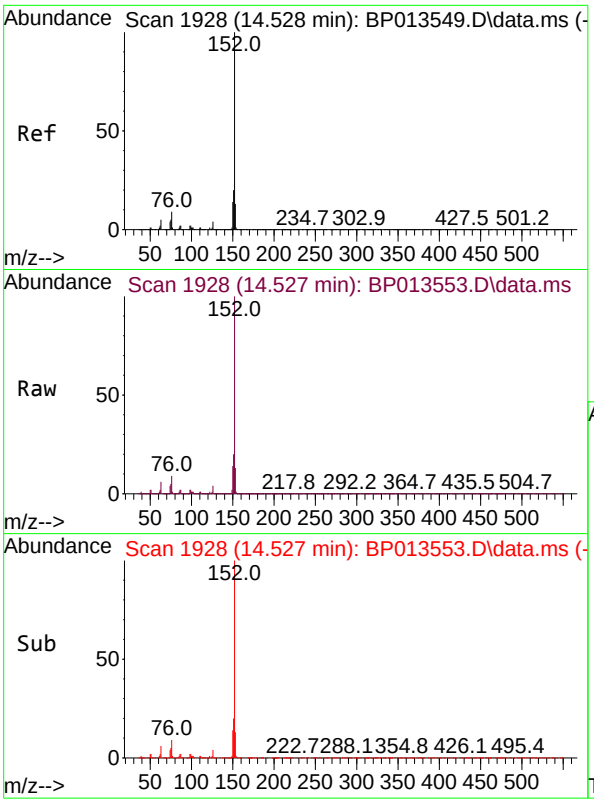


#48
2-Nitroaniline
Concen: 38.427 ng
RT: 13.880 min Scan# 1818
Delta R.T. 0.005 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 65 Resp: 413324

Ion	Ratio	Lower	Upper
65	100		
92	70.1	54.1	81.1
138	111.6	83.6	125.4



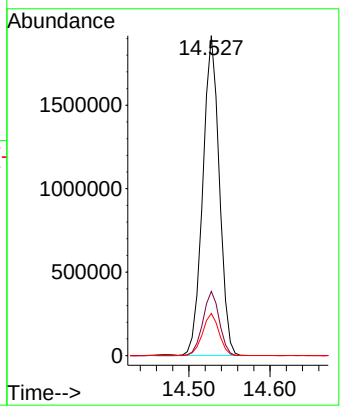


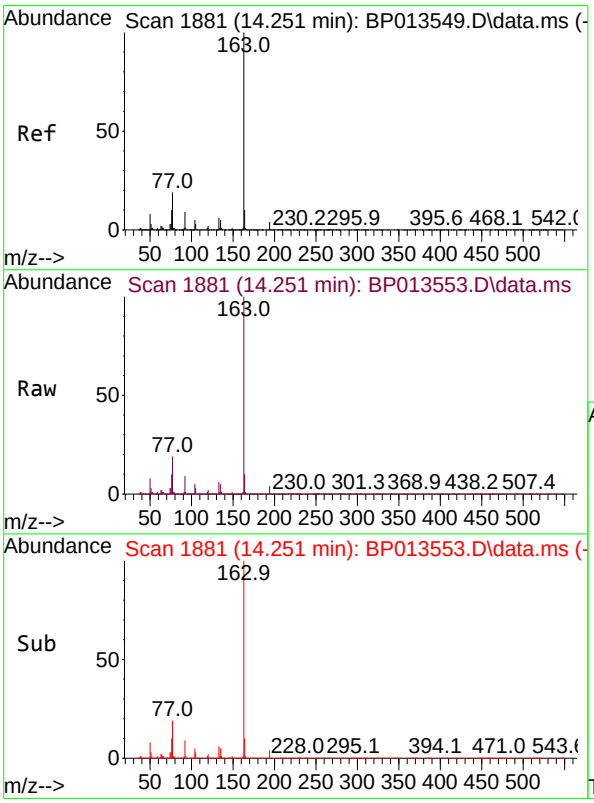
#49
Acenaphthylene
Concen: 37.127 ng
RT: 14.527 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:152 Resp: 2712057

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	13.2	10.1	15.1

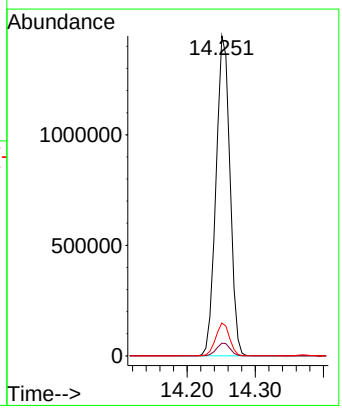


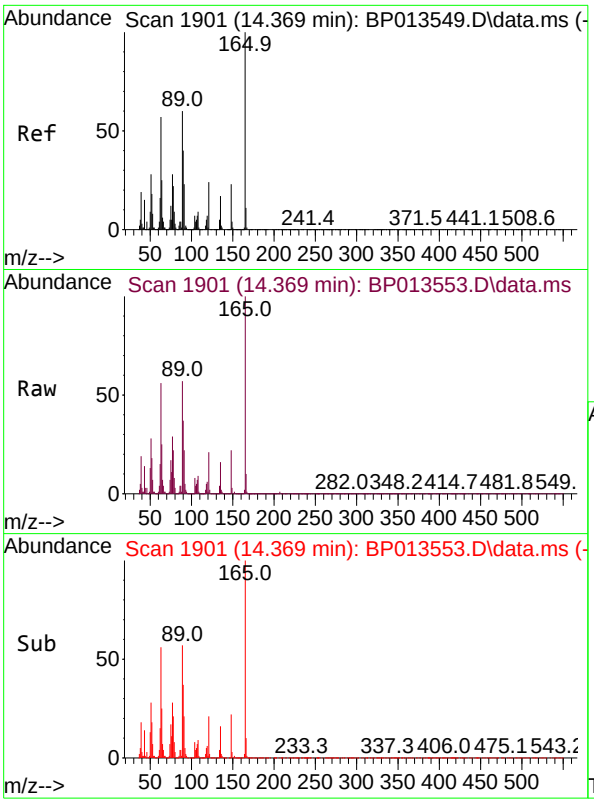


#50
Dimethylphthalate
Concen: 37.097 ng
RT: 14.251 min Scan# 1881
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:163 Resp: 2047265

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.3	8.1	12.1



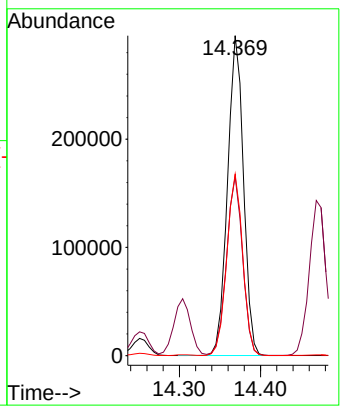


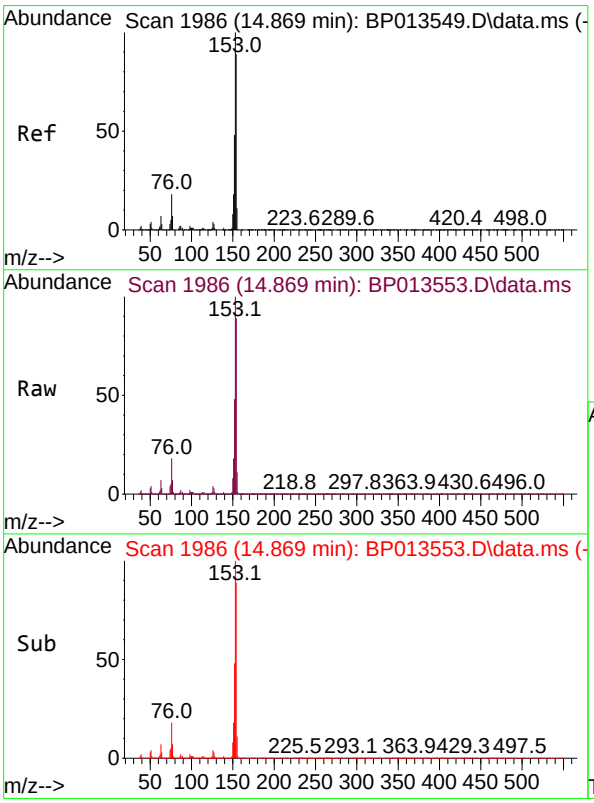
#51
2,6-Dinitrotoluene
Concen: 38.557 ng
RT: 14.369 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:165 Resp: 403482

Ion	Ratio	Lower	Upper
165	100		
63	56.0	47.2	70.8
89	56.7	47.8	71.6

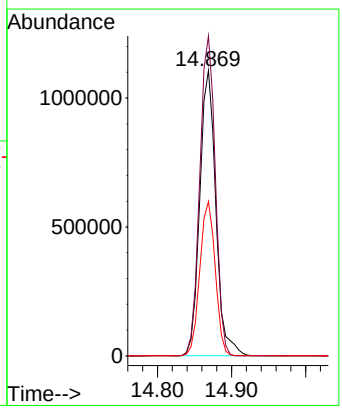


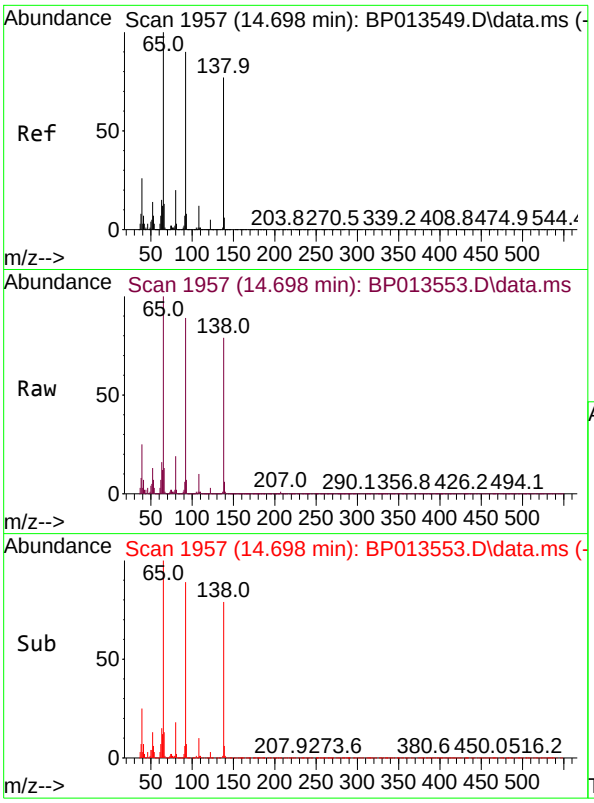


#52
Acenaphthene
Concen: 37.017 ng
RT: 14.869 min Scan# 1986
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:154 Resp: 1670309

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.4	134.0
152	54.1	42.7	64.1



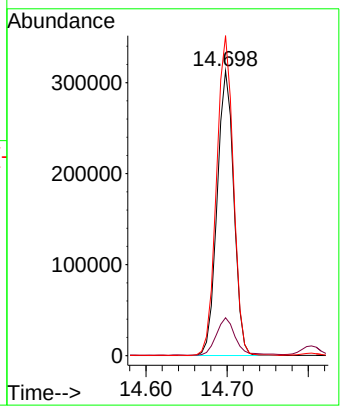


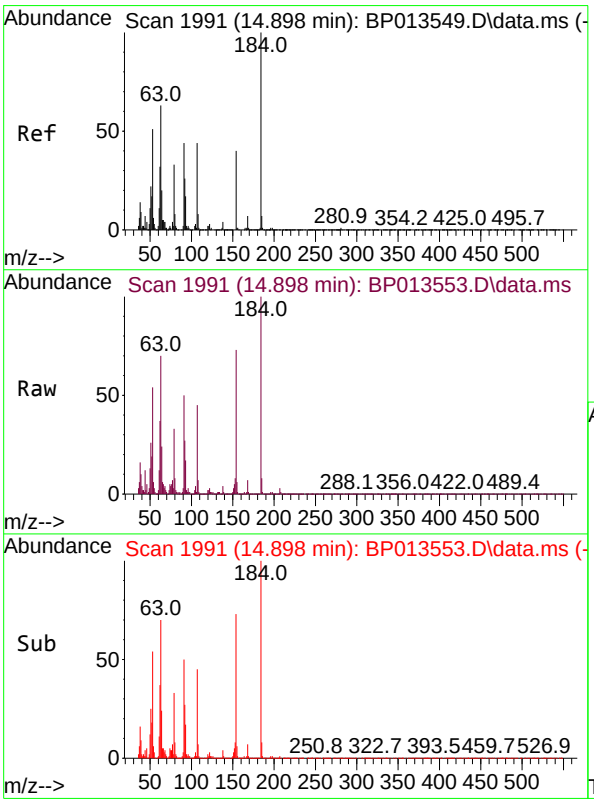
#53
3-Nitroaniline
Concen: 37.428 ng
RT: 14.698 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:138 Resp: 445177

Ion	Ratio	Lower	Upper
138	100		
108	13.3	12.8	19.2
92	112.4	93.3	139.9

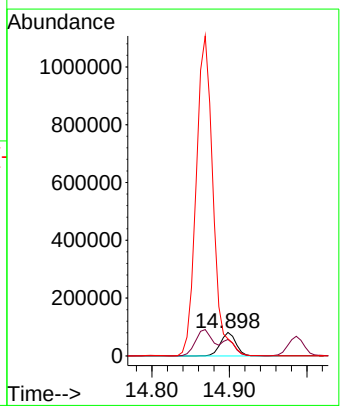


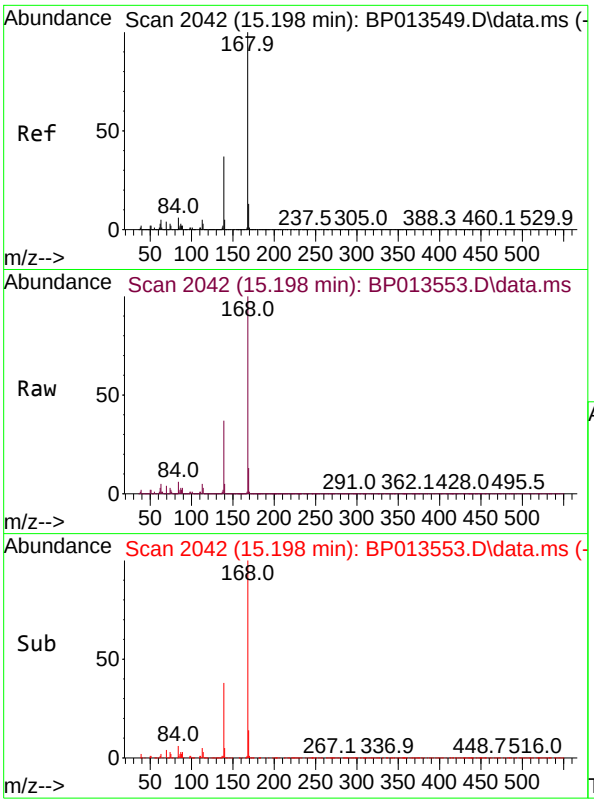


#54
2,4-Dinitrophenol
Concen: 43.064 ng
RT: 14.898 min Scan# 1991
Delta R.T. 0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:184 Resp: 111953

Ion	Ratio	Lower	Upper
184	100		
63	70.0	53.2	79.8
154	73.2	54.4	81.6



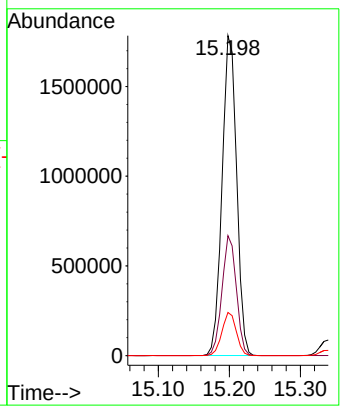


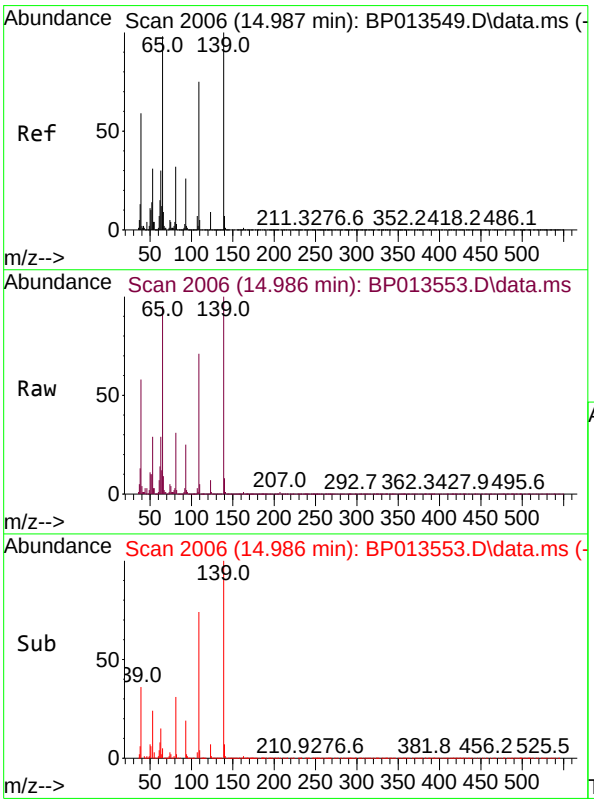
#55
Dibenzofuran
Concen: 36.802 ng
RT: 15.198 min Scan# 20
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:168 Resp: 2546417

Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.9	44.9
169	13.5	10.7	16.1

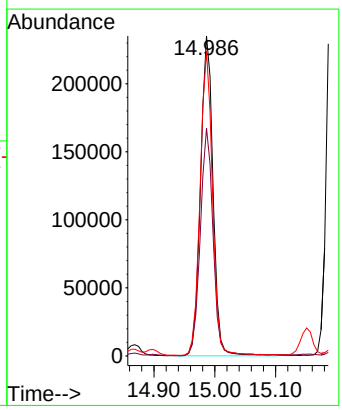


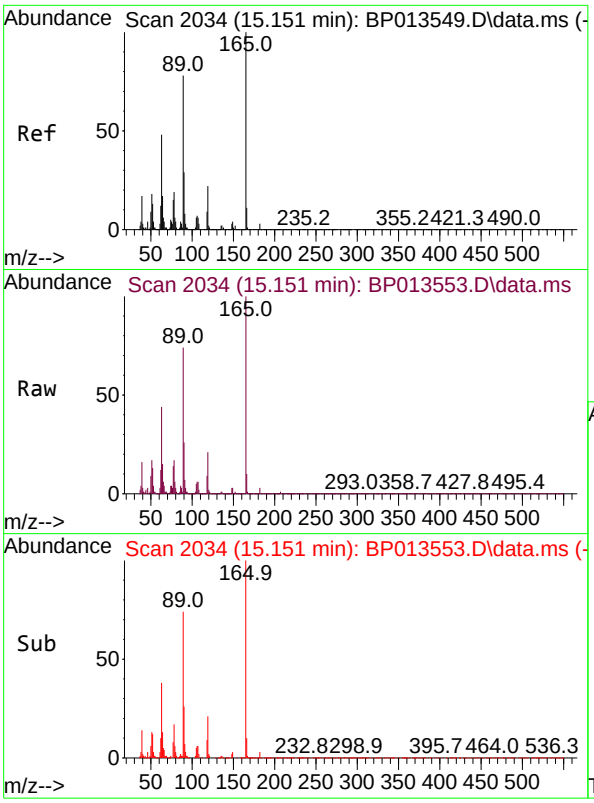


#56
4-Nitrophenol
Concen: 38.535 ng
RT: 14.986 min Scan# 2006
Delta R.T. -0.001 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:139 Resp: 333310

Ion	Ratio	Lower	Upper
139	100		
109	71.2	55.0	95.0
65	95.3	77.7	117.7



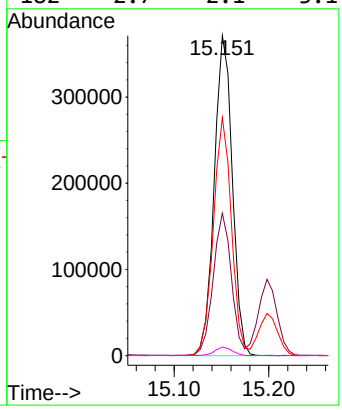


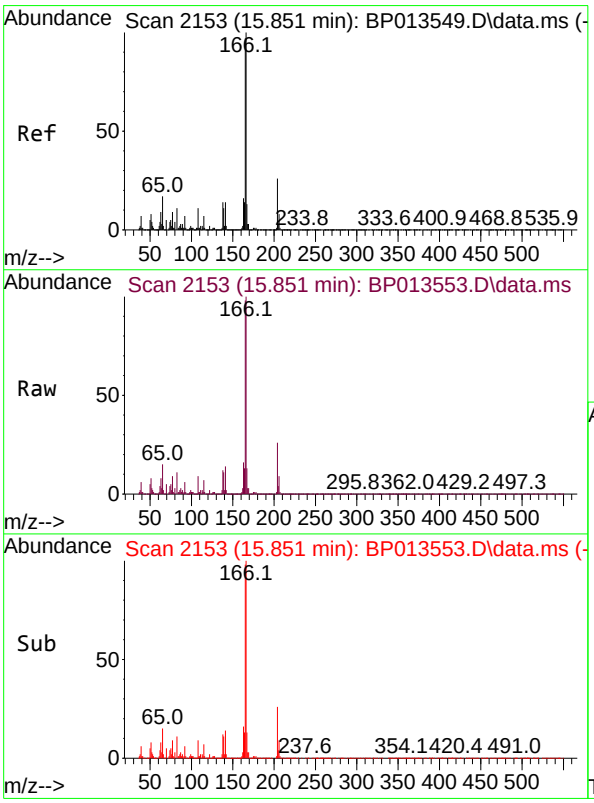
#57
2,4-Dinitrotoluene
Concen: 39.531 ng
RT: 15.151 min Scan# 20
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:165 Resp: 492524

Ion	Ratio	Lower	Upper
165	100		
63	44.5	38.3	57.5
89	74.3	62.1	93.1
182	2.7	2.1	3.1

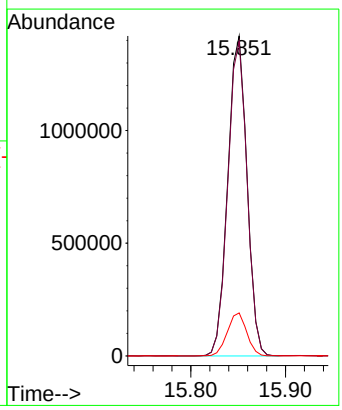


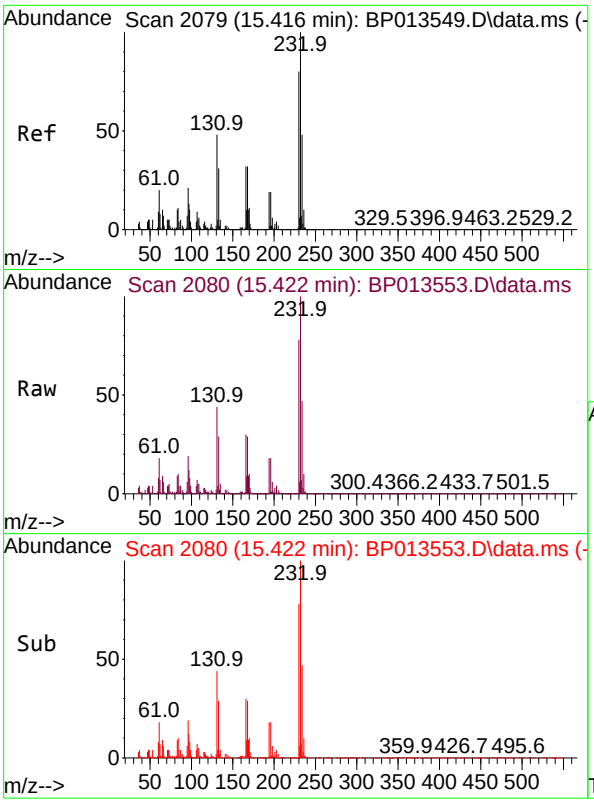


#58
Fluorene
Concen: 36.362 ng
RT: 15.851 min Scan# 2153
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:166 Resp: 1999752

Ion	Ratio	Lower	Upper
166	100		
165	98.3	77.8	116.8
167	13.4	10.7	16.1



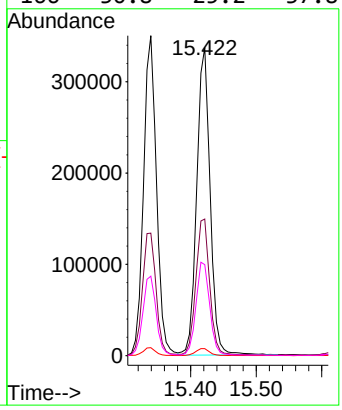


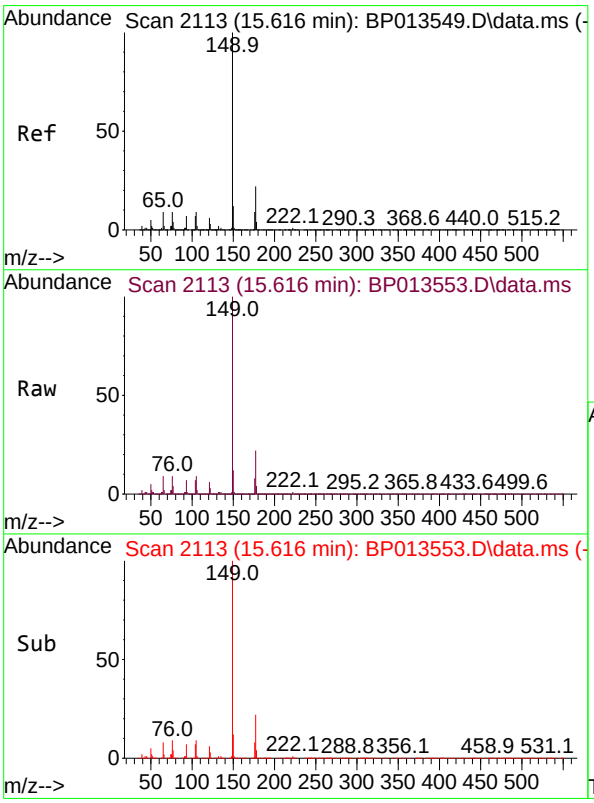
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.318 ng
RT: 15.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:232 Resp: 477233

Ion	Ratio	Lower	Upper
232	100		
131	45.8	37.1	55.7
130	2.4	1.9	2.9
166	30.8	25.2	37.8

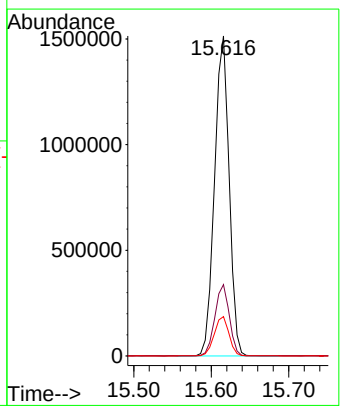


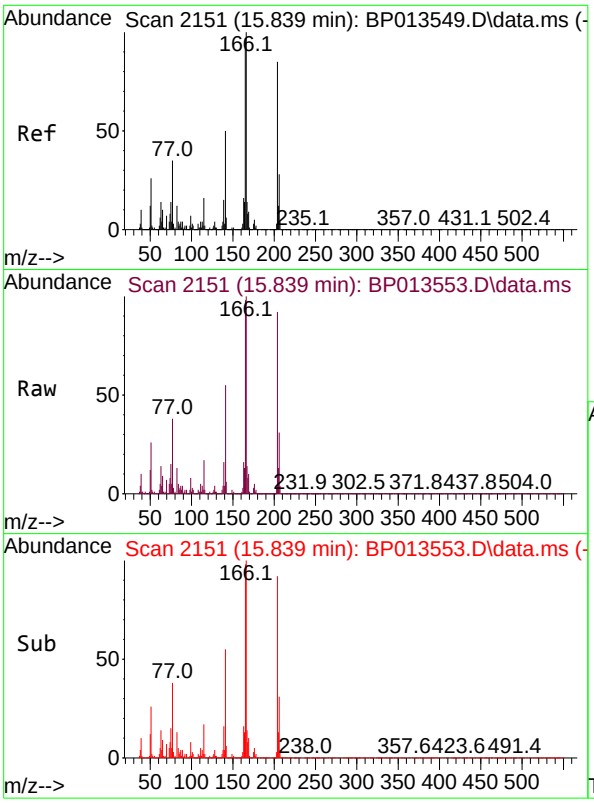


#60
Diethylphthalate
Concen: 36.672 ng
RT: 15.616 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:149 Resp: 1976649

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.6
150	12.3	9.8	14.6



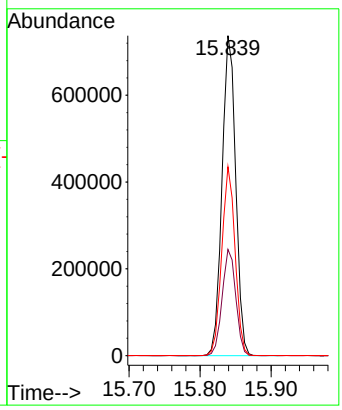


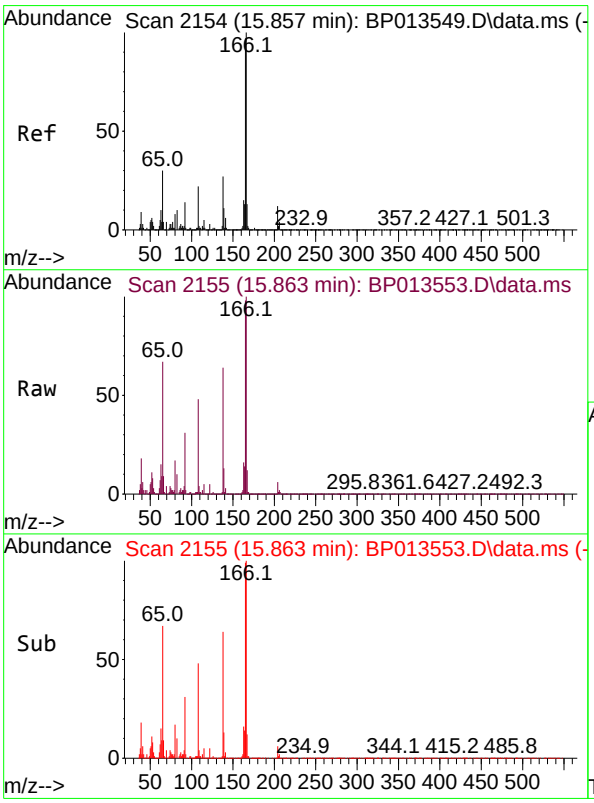
#61
4-Chlorophenyl-phenylether
Concen: 36.516 ng
RT: 15.839 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:204 Resp: 987451

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.6	39.8
141	59.0	47.0	70.4

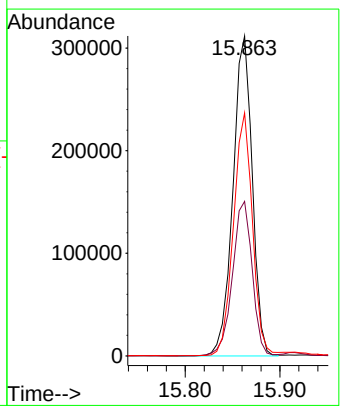


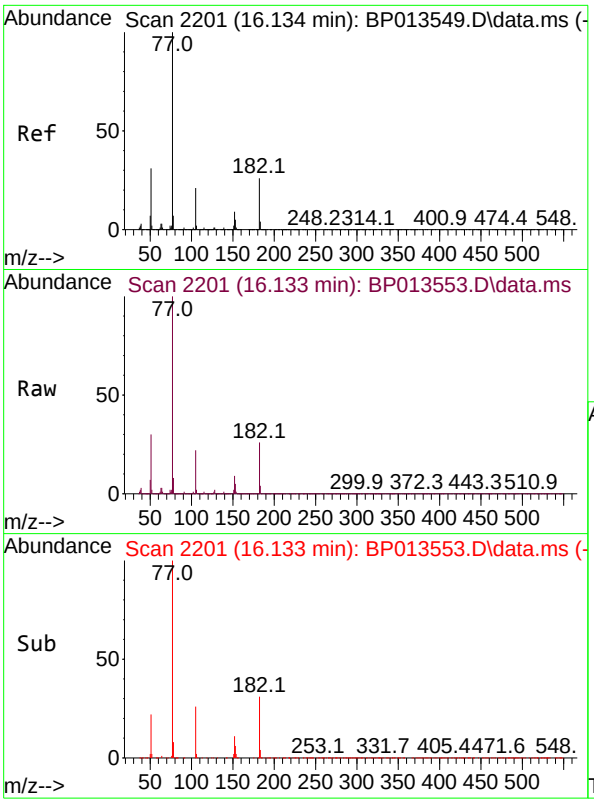


#62
4-Nitroaniline
Concen: 38.280 ng
RT: 15.863 min Scan# 2155
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:138 Resp: 442006

Ion	Ratio	Lower	Upper
138	100		
92	48.3	32.3	72.3
108	75.9	59.2	99.2



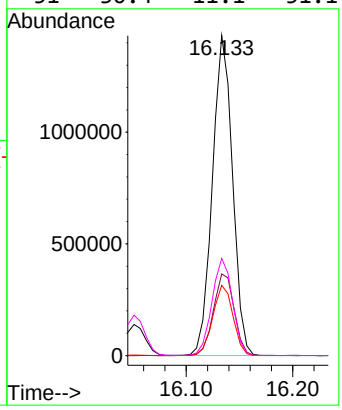


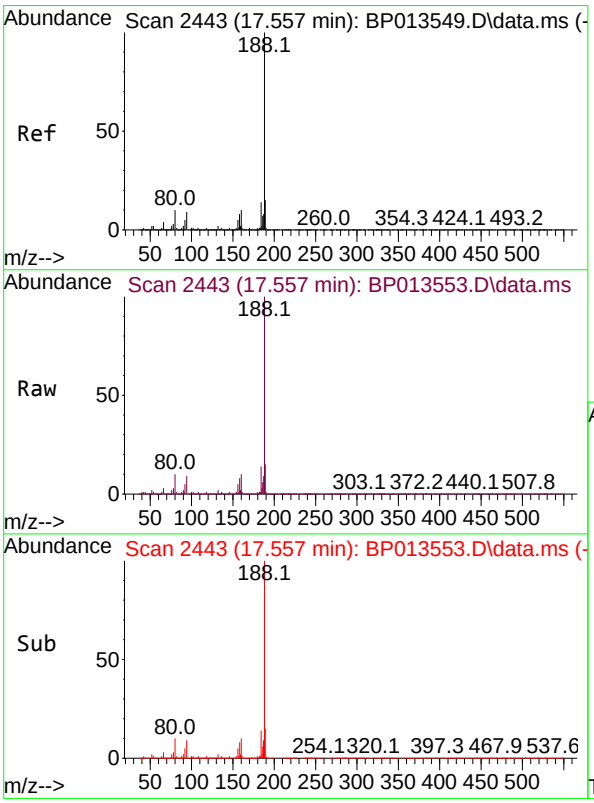
#63
Azobenzene
Concen: 35.955 ng
RT: 16.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion: 77 Resp: 1883157

Ion	Ratio	Lower	Upper
77	100		
182	25.5	5.5	45.5
105	22.0	1.4	41.4
51	30.4	11.1	51.1

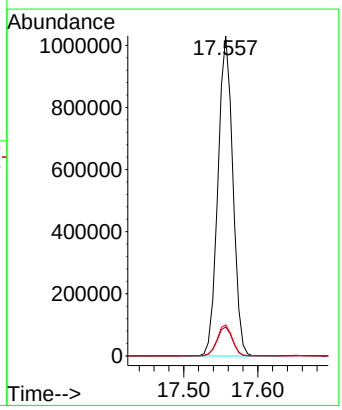


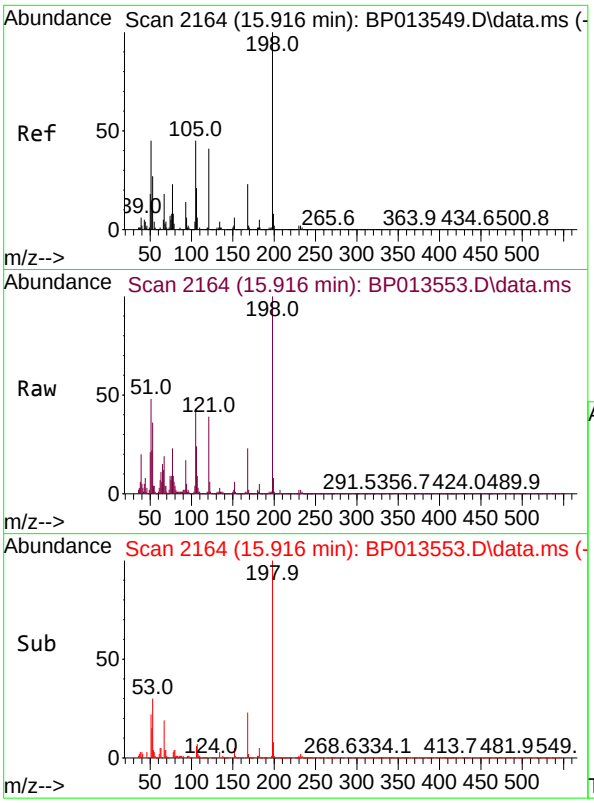


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.557 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:188 Resp: 1433898

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	9.7	8.2	12.2



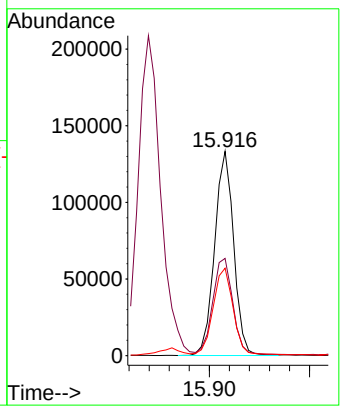


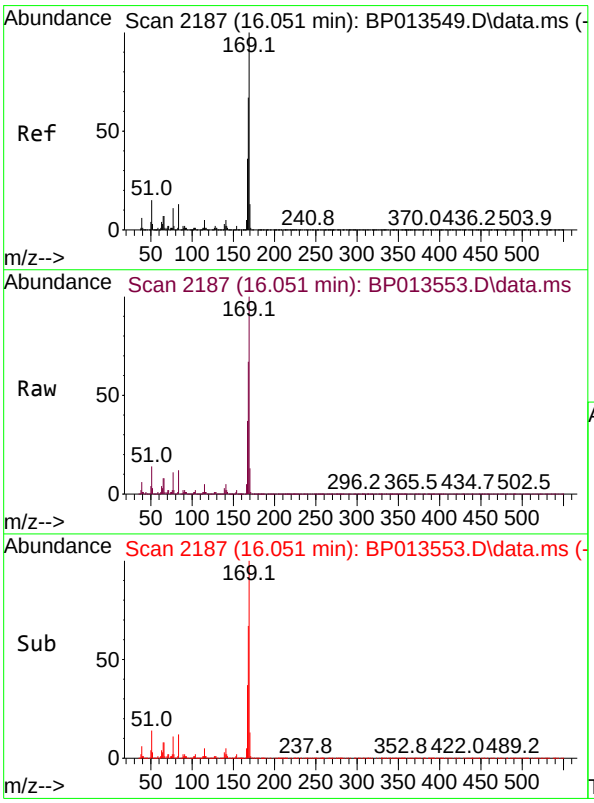
#65
4,6-Dinitro-2-methylphenol
Concen: 42.678 ng
RT: 15.916 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:198 Resp: 175879

Ion	Ratio	Lower	Upper
198	100		
51	47.6	30.4	70.4
105	42.9	26.4	66.4

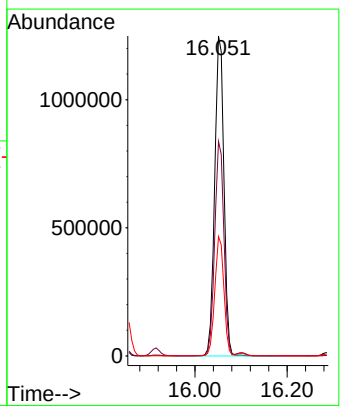


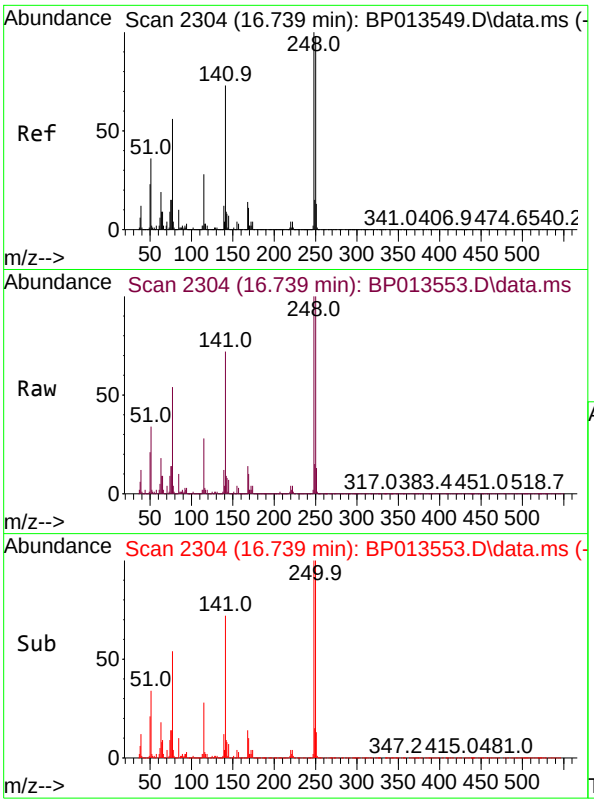


#66
n-Nitrosodiphenylamine
Concen: 36.849 ng
RT: 16.051 min Scan# 2187
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:169 Resp: 1723086

Ion	Ratio	Lower	Upper
169	100		
168	67.0	54.0	81.0
167	37.3	29.0	43.6



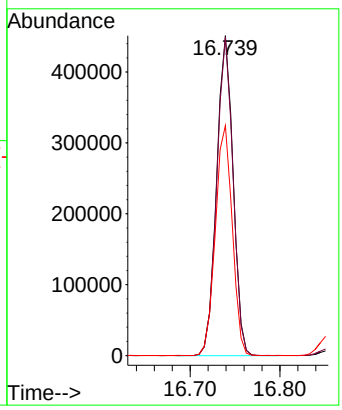


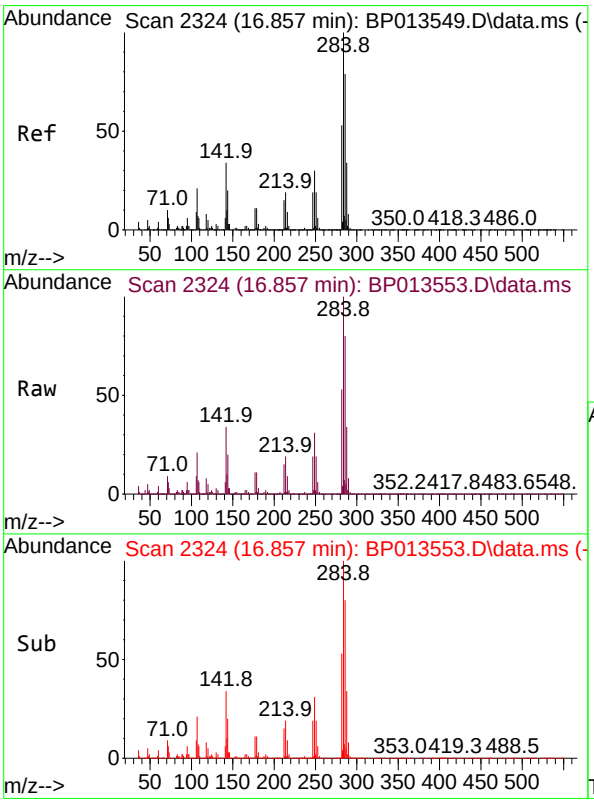
#67
4-Bromophenyl-phenylether
Concen: 36.344 ng
RT: 16.739 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:248 Resp: 577260

Ion	Ratio	Lower	Upper
248	100		
250	99.5	78.1	117.1
141	71.9	58.1	87.1

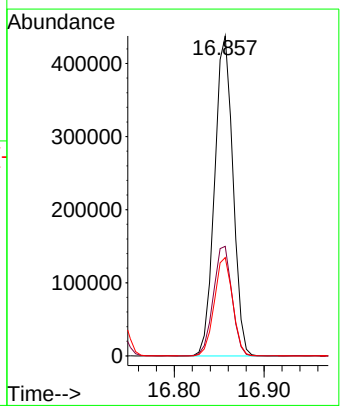


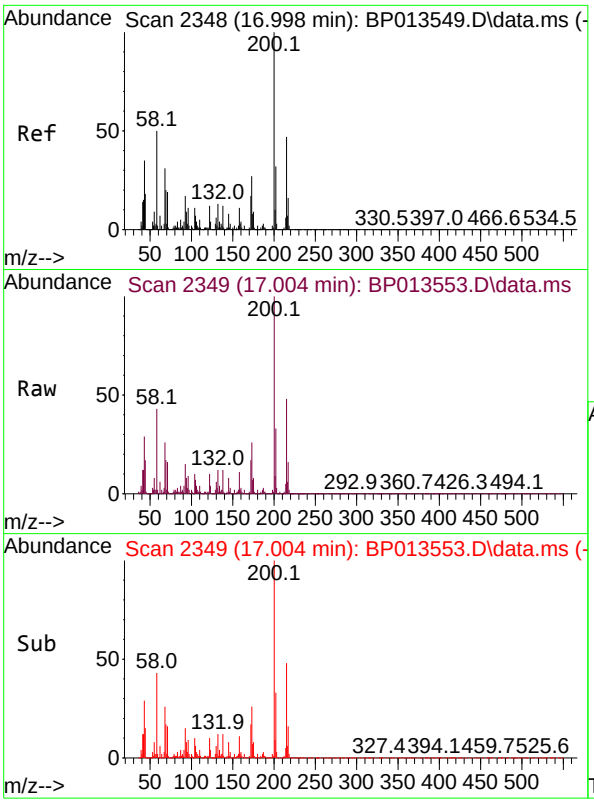


#68
Hexachlorobenzene
Concen: 36.389 ng
RT: 16.857 min Scan# 2324
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:284 Resp: 624311

Ion	Ratio	Lower	Upper
284	100		
142	34.2	27.3	40.9
249	30.7	24.0	36.0



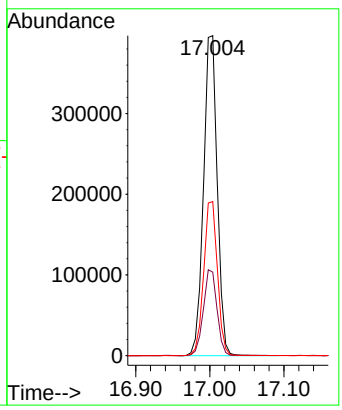


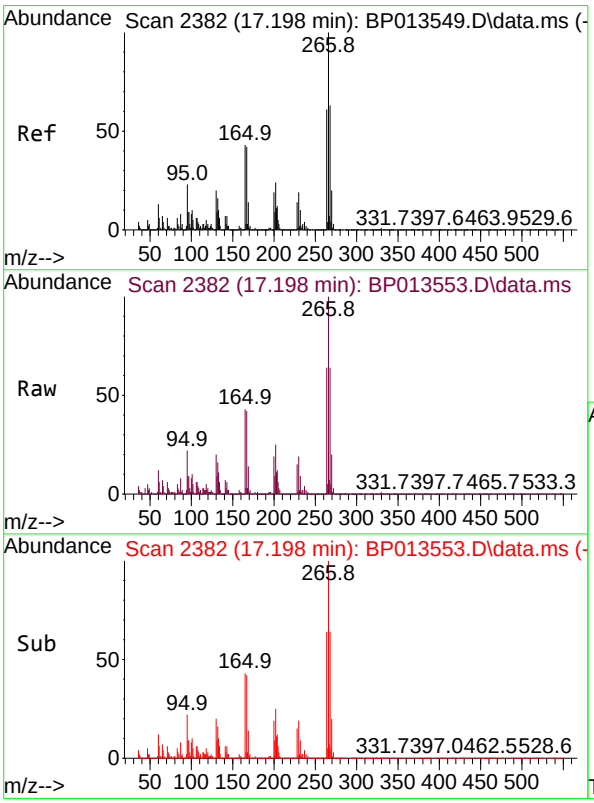
#69
Atrazine
Concen: 38.029 ng
RT: 17.004 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:200 Resp: 508797

Ion	Ratio	Lower	Upper
200	100		
173	26.1	7.2	47.2
215	48.1	27.3	67.3

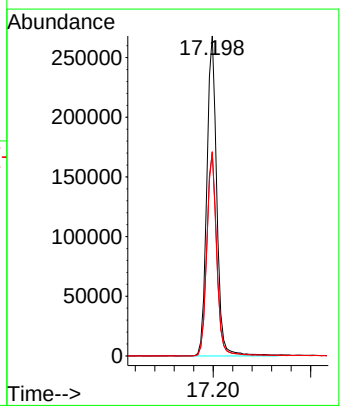


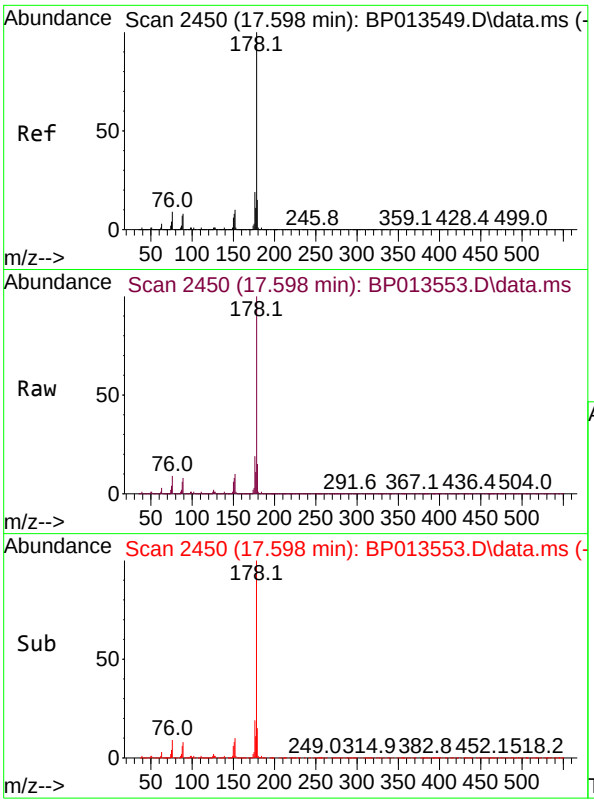


#70
Pentachlorophenol
Concen: 36.445 ng
RT: 17.198 min Scan# 2382
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:266 Resp: 381726

Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.7	76.1
264	63.8	48.9	73.3



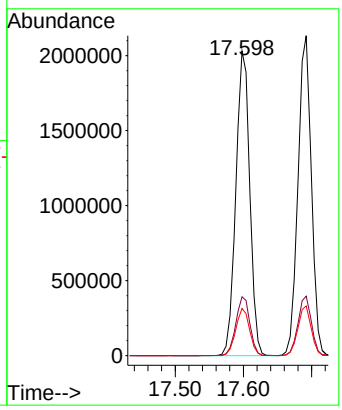


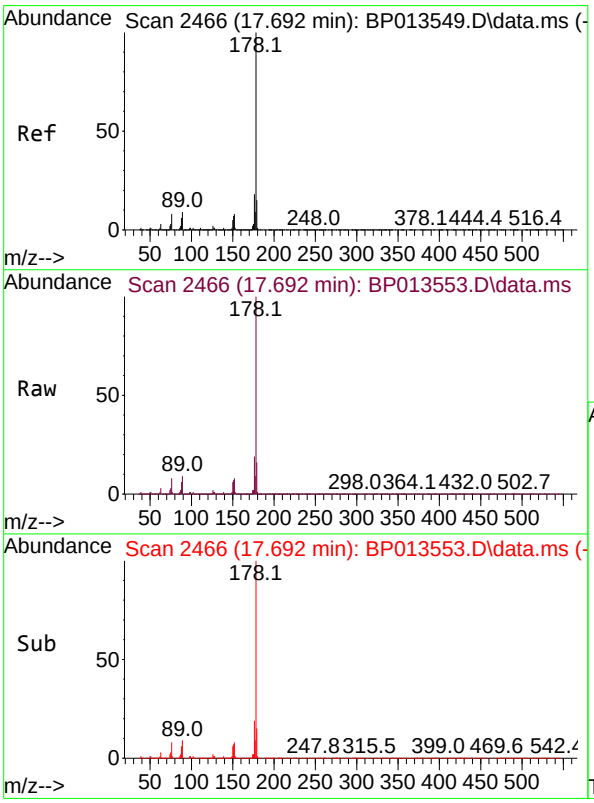
#71
Phenanthrene
Concen: 36.016 ng
RT: 17.598 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:178 Resp: 2873356

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.5	12.2	18.4

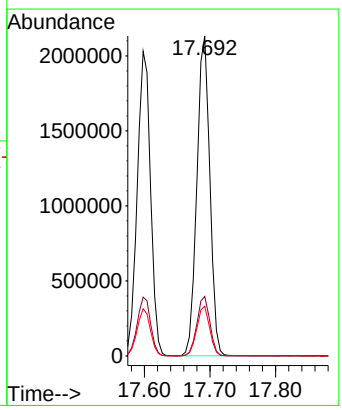


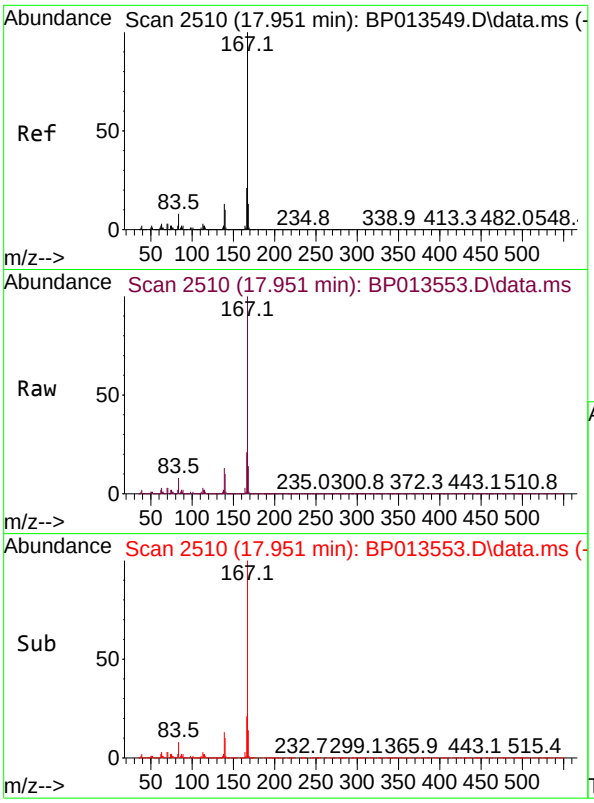


#72
Anthracene
Concen: 35.926 ng
RT: 17.692 min Scan# 2466
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:178 Resp: 2909016

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.5	12.3	18.5



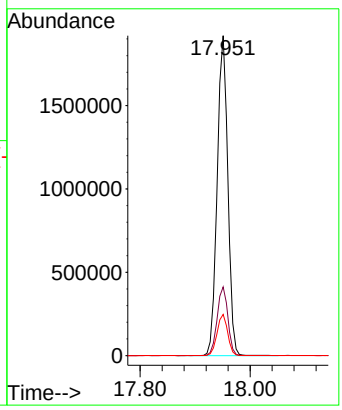


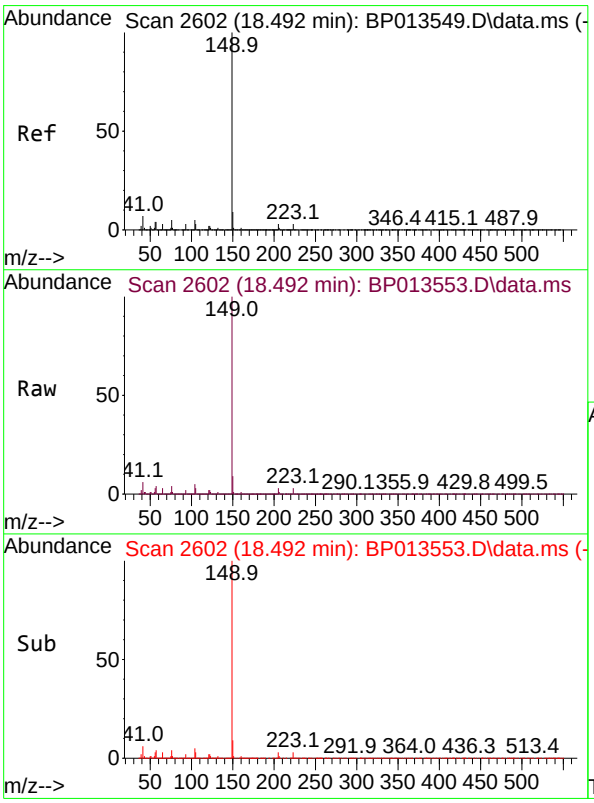
#73
Carbazole
Concen: 35.281 ng
RT: 17.951 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:167 Resp: 2567345

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.9	10.3	15.5

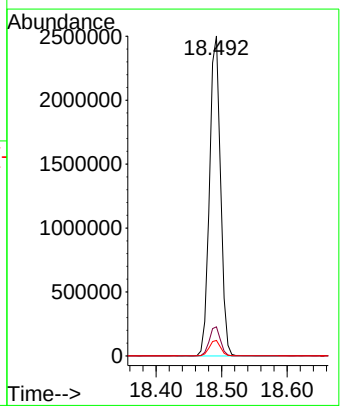


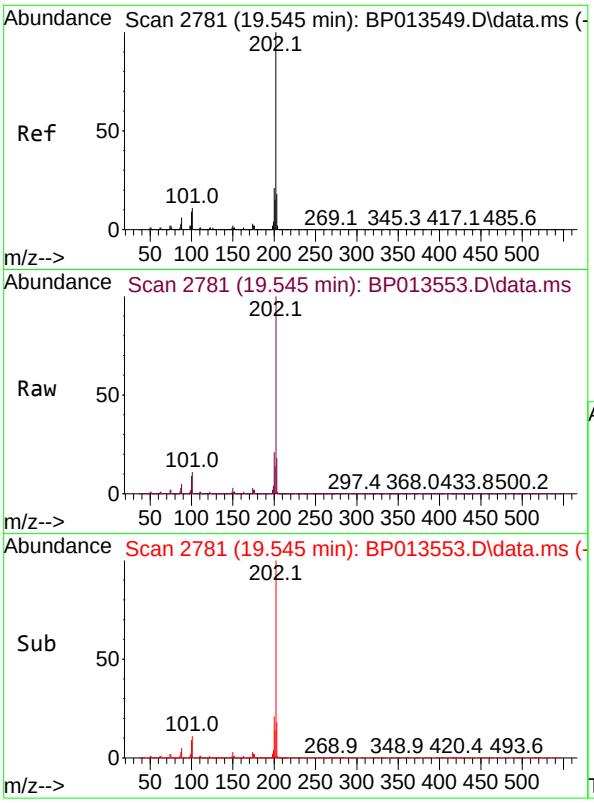


#74
Di-n-butylphthalate
Concen: 35.932 ng
RT: 18.492 min Scan# 2602
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:149 Resp: 2910043

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.8	3.9	5.9



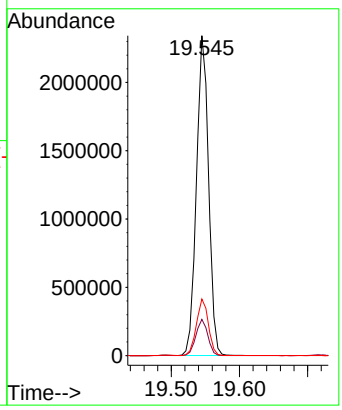


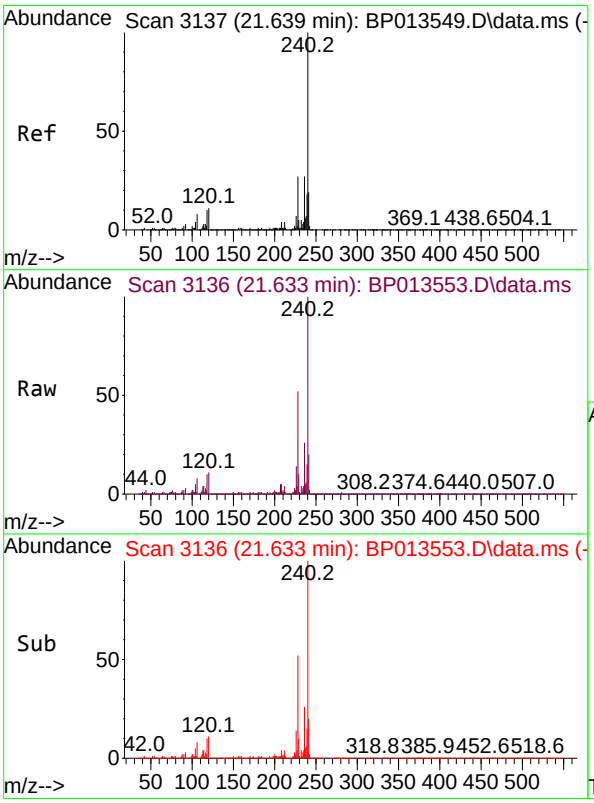
#75
Fluoranthene
Concen: 34.200 ng
RT: 19.545 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:202 Resp: 2901574

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.4
203	17.7	0.0	37.9

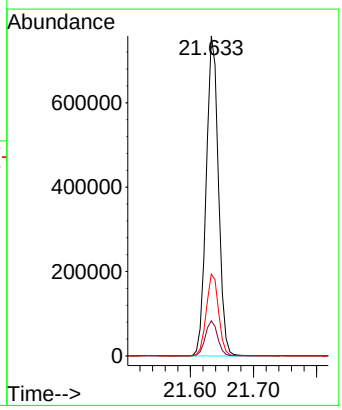


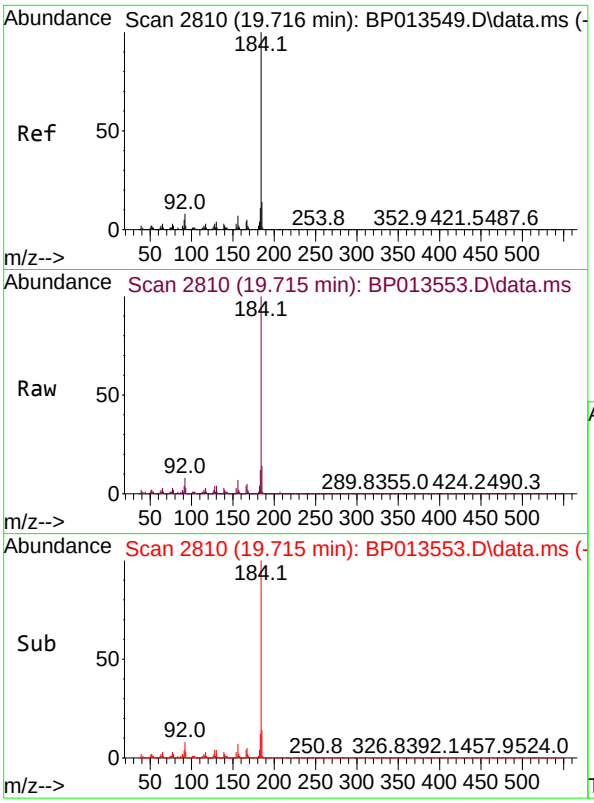


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3136
Delta R.T. -0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:240 Resp: 1015368

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.6	13.0
236	25.6	21.3	31.9



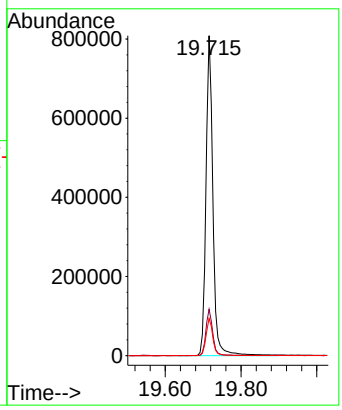


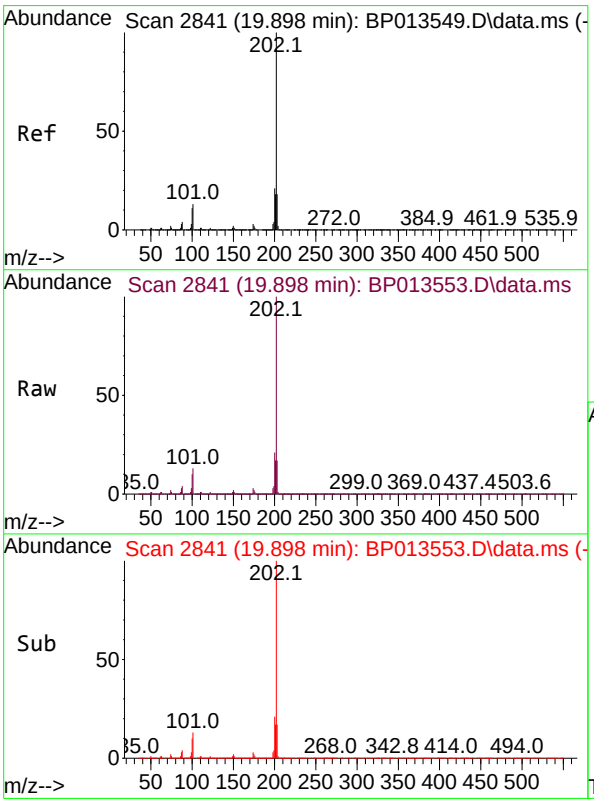
#77
Benzidine
Concen: 40.020 ng
RT: 19.715 min Scan# 28
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:184 Resp: 1022006

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.5	17.3
183	11.6	9.0	13.6

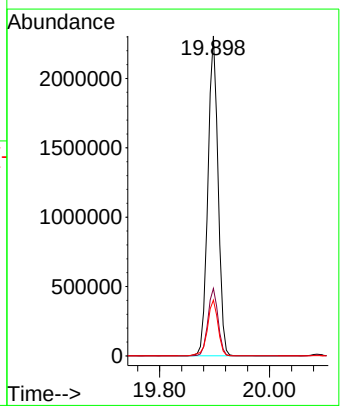


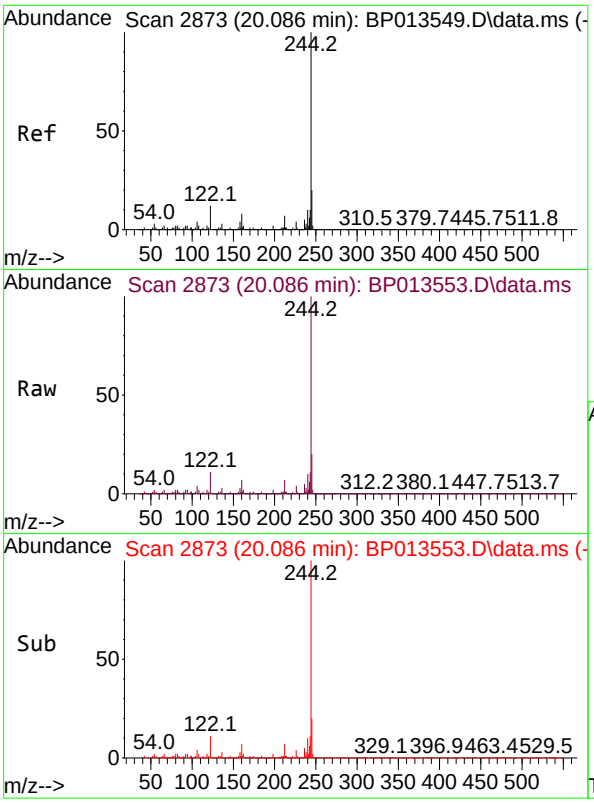


#78
Pyrene
Concen: 38.191 ng
RT: 19.898 min Scan# 2841
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:202 Resp: 2965108

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.6
203	17.5	14.2	21.2



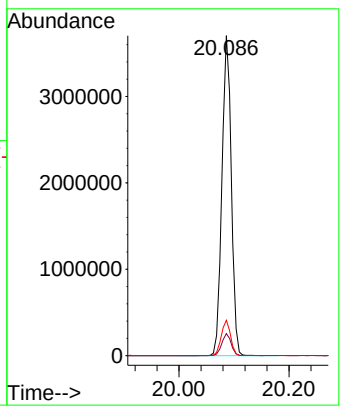


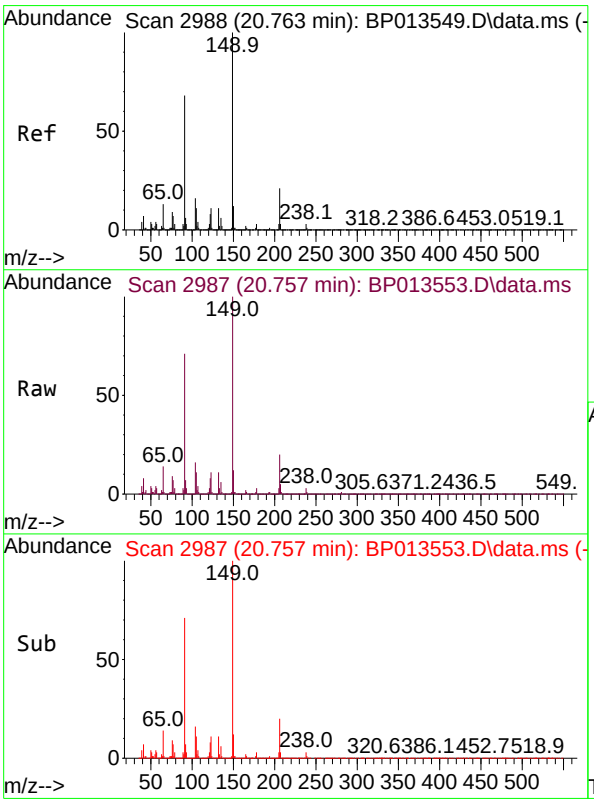
#79
Terphenyl-d14
Concen: 77.448 ng
RT: 20.086 min Scan# 28
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:244 Resp: 4371237

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	11.0	9.2	13.8

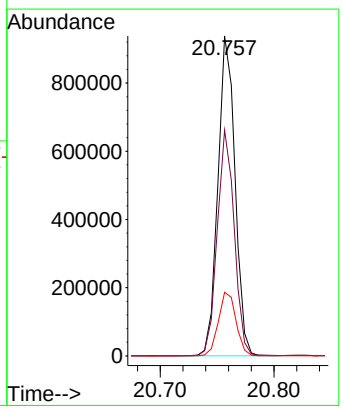


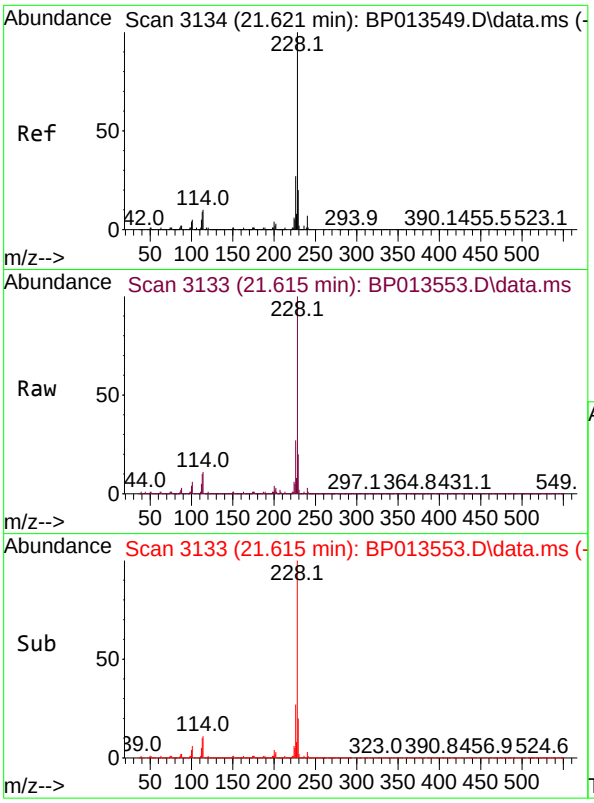


#80
Butylbenzylphthalate
Concen: 39.639 ng
RT: 20.757 min Scan# 2987
Delta R.T. -0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:149 Resp: 979852

Ion	Ratio	Lower	Upper
149	100		
91	70.6	54.6	81.8
206	19.9	16.7	25.1



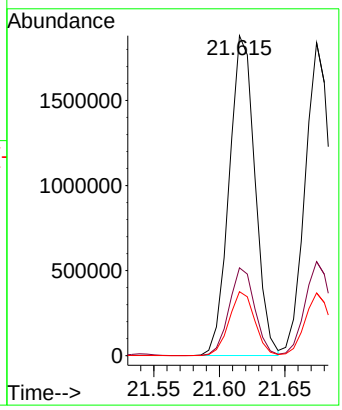


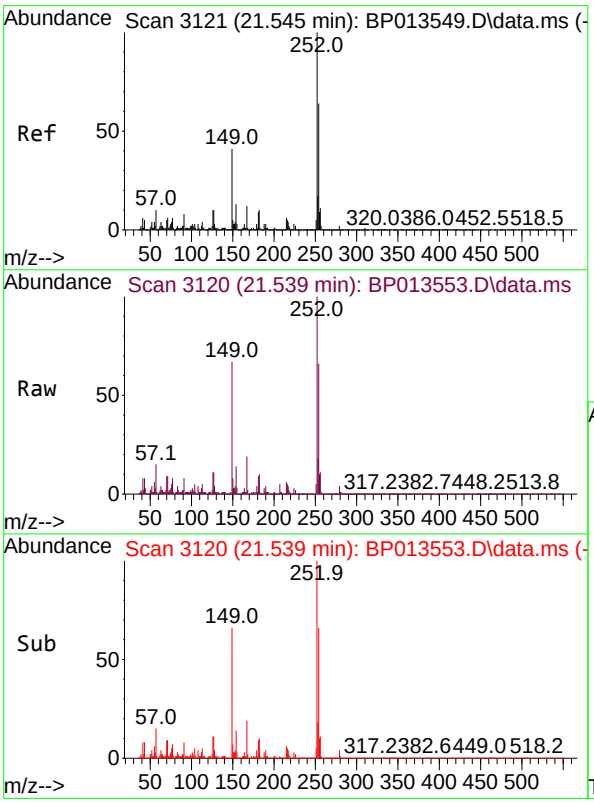
#81
Benzo(a)anthracene
Concen: 36.372 ng
RT: 21.615 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:228 Resp: 2572877

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	20.0	15.8	23.6

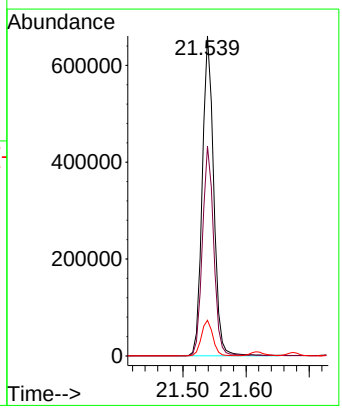


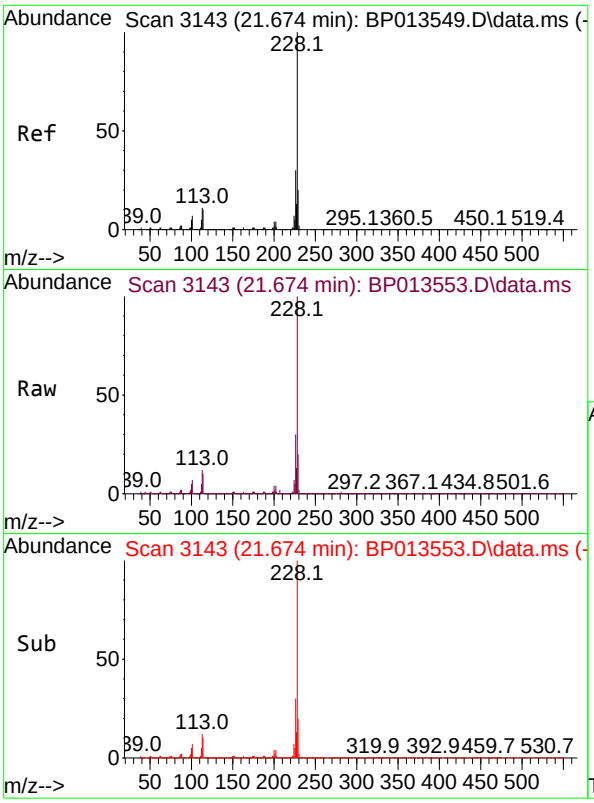


#82
3,3'-Dichlorobenzidine
Concen: 36.309 ng
RT: 21.539 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:252 Resp: 827540

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.4	77.0
126	11.1	8.3	12.5



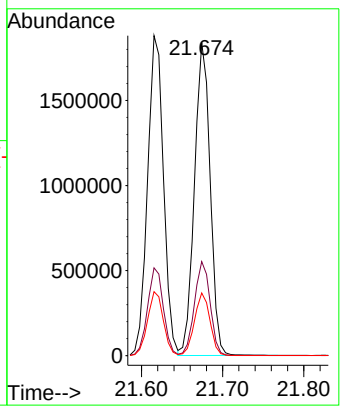


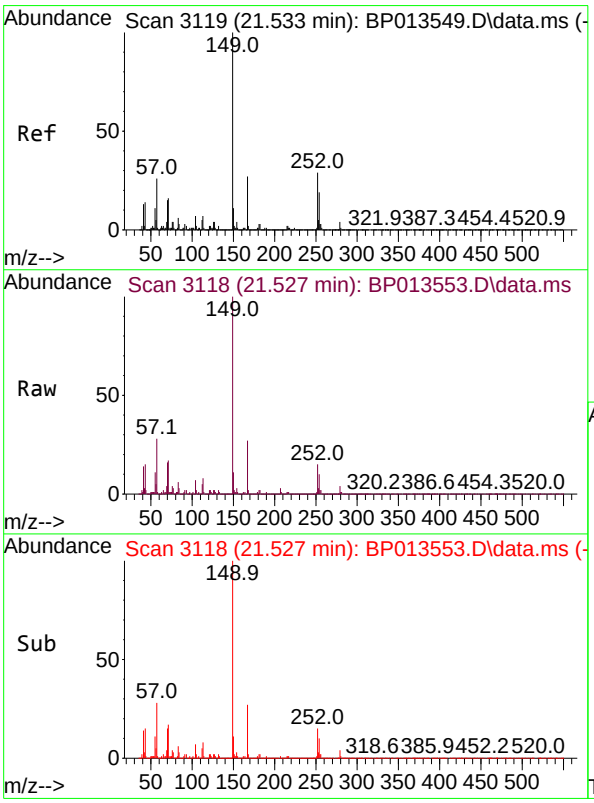
#83
Chrysene
Concen: 36.468 ng
RT: 21.674 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:228 Resp: 2467330

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.1	36.1
229	20.0	16.2	24.2

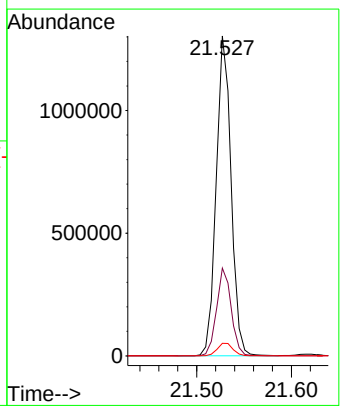


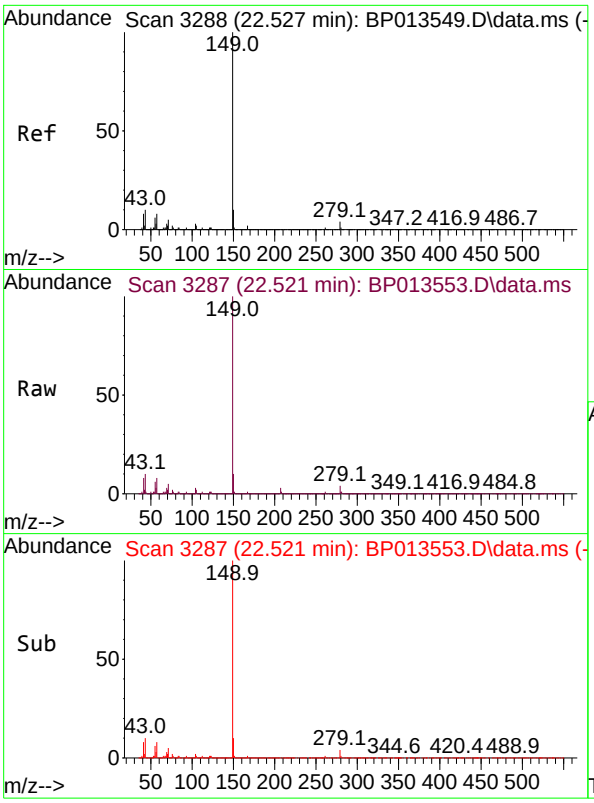


#84
Bis(2-ethylhexyl)phthalate
Concen: 35.790 ng
RT: 21.527 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:149 Resp: 1415865

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.0	33.0
279	3.9	3.5	5.3



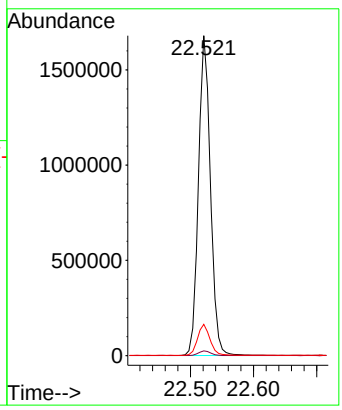


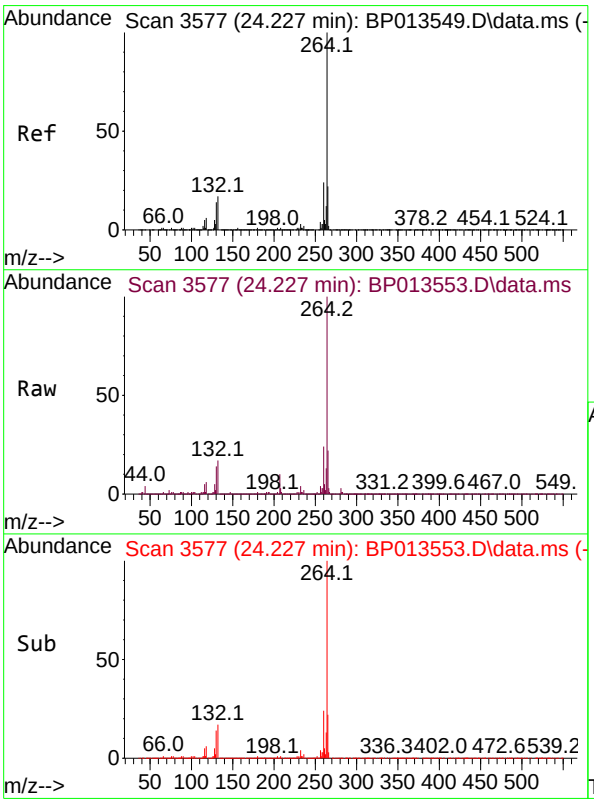
#85
Di-n-octyl phthalate
Concen: 34.751 ng
RT: 22.521 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:149 Resp: 2216483

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.0	8.2	12.4

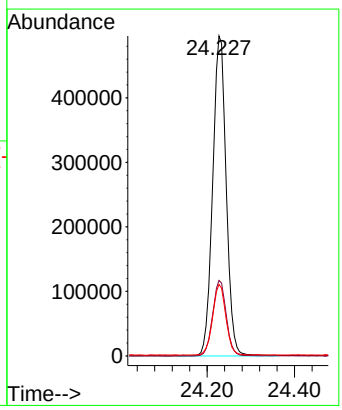


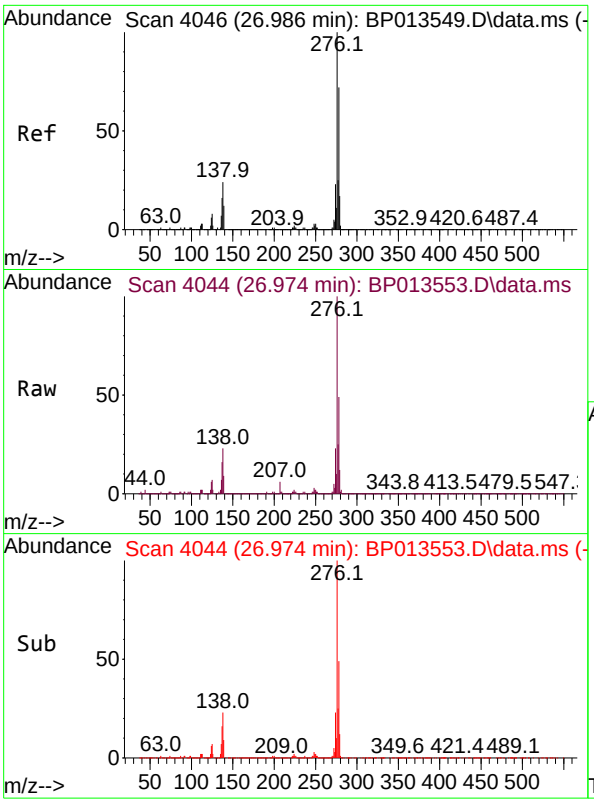


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.227 min Scan# 3577
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:264 Resp: 1066225

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	22.3	17.4	26.2



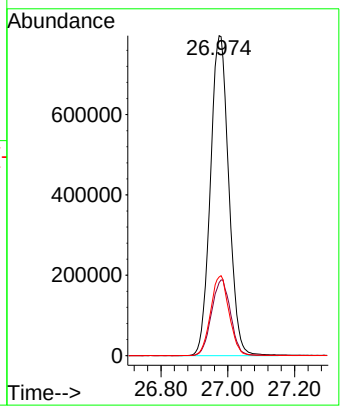


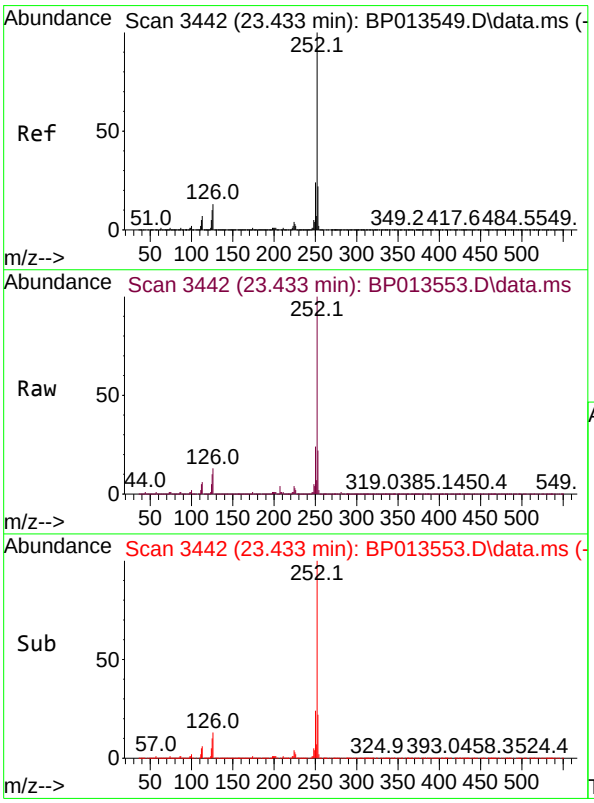
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.588 ng
RT: 26.974 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:276 Resp: 3030533

Ion	Ratio	Lower	Upper
276	100		
138	24.5	19.8	29.6
277	25.1	20.2	30.4

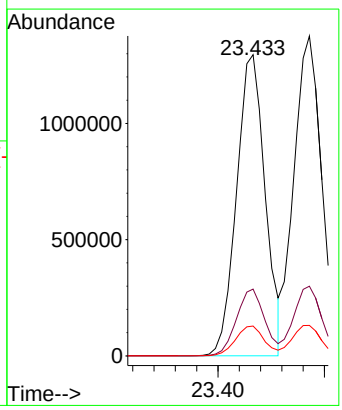


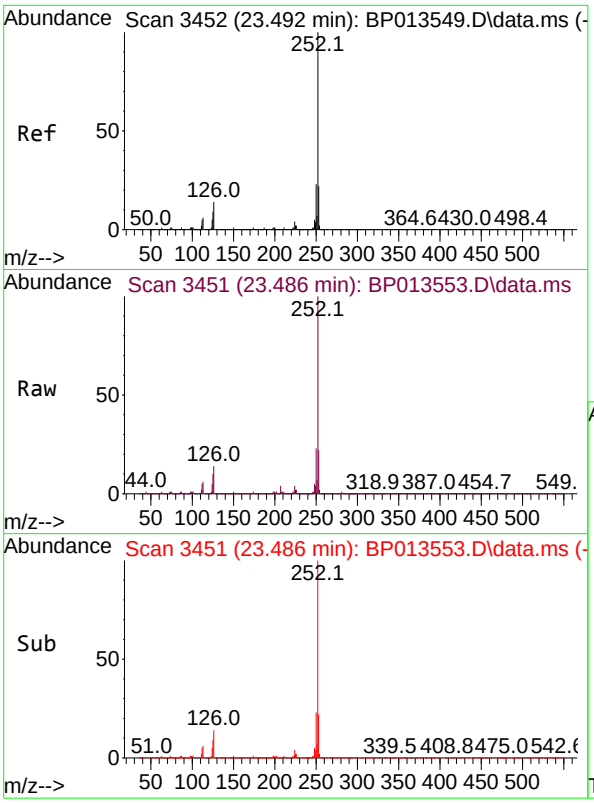


#88
Benzo(b)fluoranthene
Concen: 36.800 ng
RT: 23.433 min Scan# 3442
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:252 Resp: 2413730

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	9.9	8.0	12.0



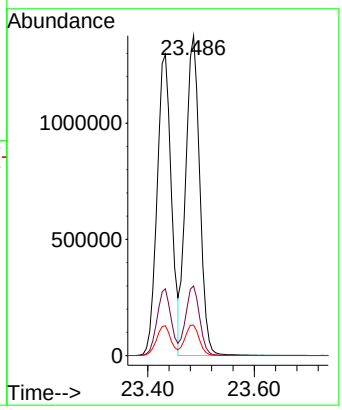


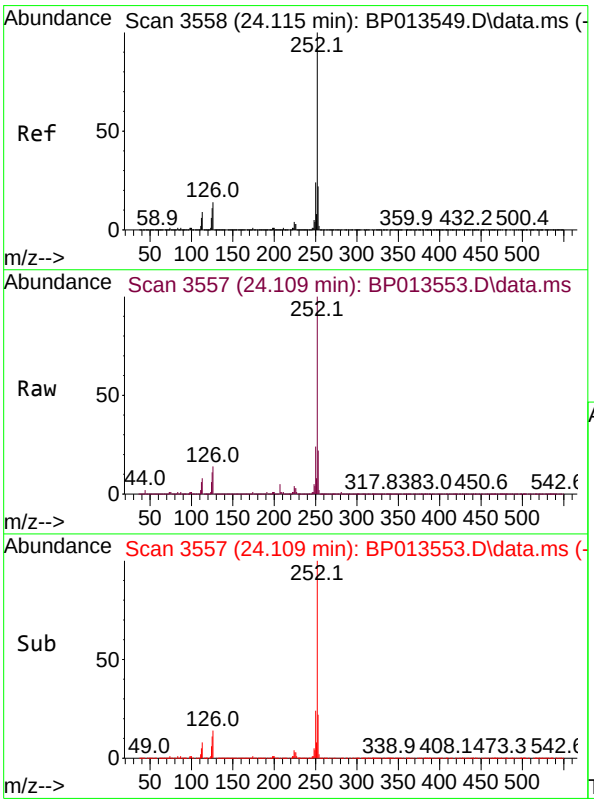
#89
Benzo(k)fluoranthene
Concen: 37.537 ng
RT: 23.486 min Scan# 34
Delta R.T. -0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:252 Resp: 2511264

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.5	7.5	11.3

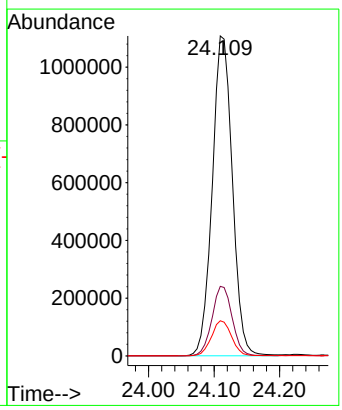


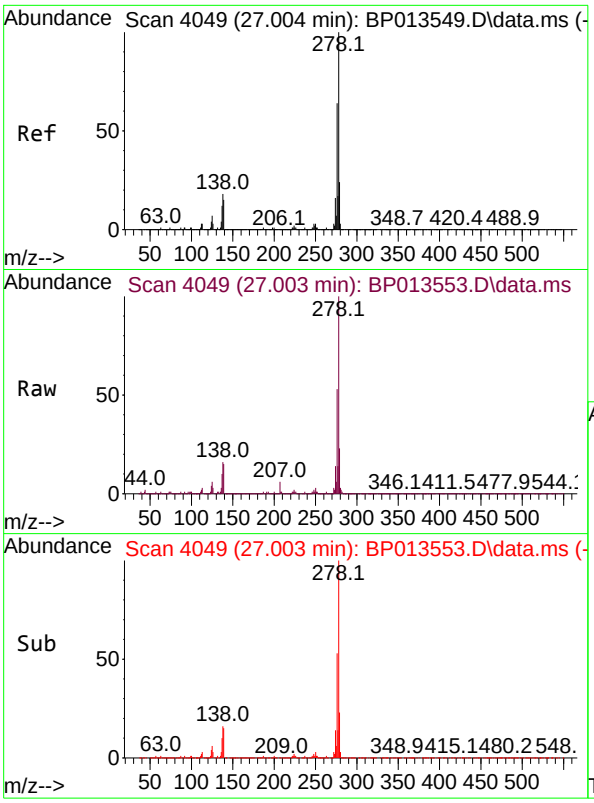


#90
Benzo(a)pyrene
Concen: 37.174 ng
RT: 24.109 min Scan# 3557
Delta R.T. -0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:252 Resp: 2365278

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	11.0	8.9	13.3



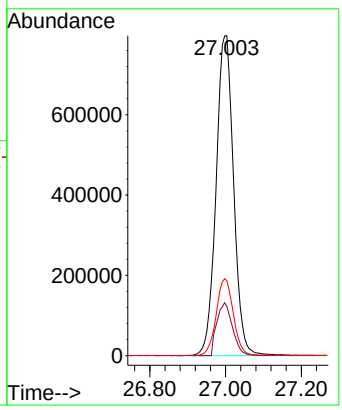


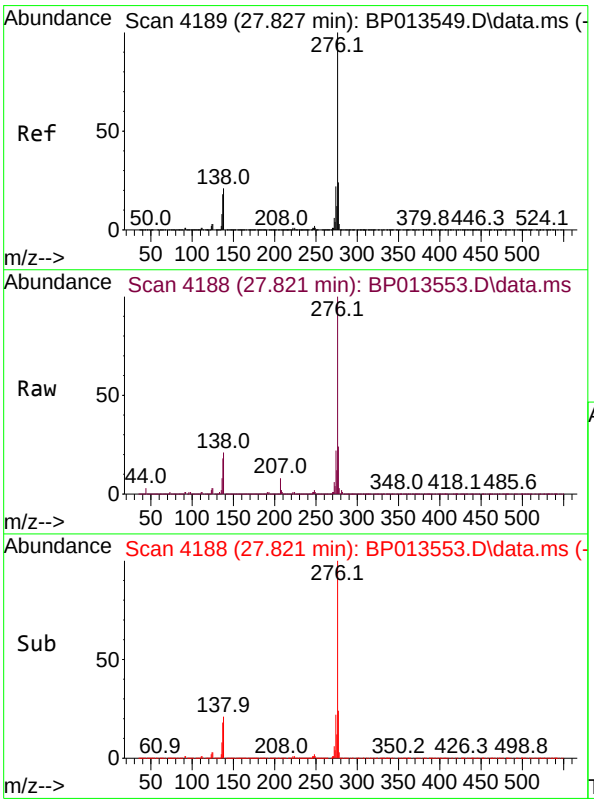
#91
Dibenzo(a,h)anthracene
Concen: 38.854 ng
RT: 27.003 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Tgt Ion:278 Resp: 2559504

Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.3	18.5
279	23.4	19.0	28.6

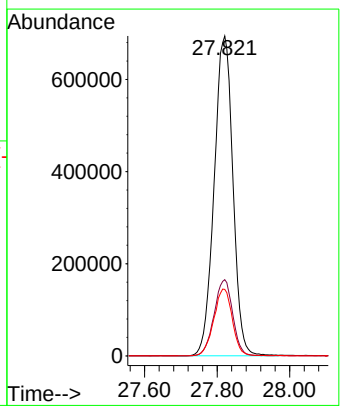




#92
Benzo(g,h,i)perylene
Concen: 38.741 ng
RT: 27.821 min Scan# 4188
Delta R.T. -0.006 min
Lab File: BP013553.D
Acq: 23 Jan 2023 18:39

Tgt Ion:276 Resp: 2491107

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	20.8	16.6	25.0



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013553.D
Acq On : 23 Jan 2023 18:39
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Quant Time: Jan 24 04:46:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 04:44:15 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	115	0.00
2		1,4-Dioxane	0.471	0.443	5.9	103	0.00
3		Pyridine	1.397	1.307	6.4	102	0.00
4		n-Nitrosodimethylamine	0.632	0.586	7.3	102	0.00
5	S	2-Fluorophenol	1.167	1.110	4.9	104	0.00
6		Aniline	2.110	2.019	4.3	107	0.00
7	S	Phenol-d6	1.571	1.513	3.7	107	0.00
8		2-Chlorophenol	1.288	1.264	1.9	109	0.00
9		Benzaldehyde	0.995	0.859	13.7	108	0.00
10	C	Phenol	1.628	1.562	4.1	107	0.00
11		bis(2-Chloroethyl)ether	1.331	1.260	5.3	107	0.00
12		1,3-Dichlorobenzene	1.424	1.343	5.7	105	0.00
13	C	1,4-Dichlorobenzene	1.444	1.363	5.6	105	0.00
14		1,2-Dichlorobenzene	1.399	1.324	5.4	106	0.00
15		Benzyl Alcohol	1.122	1.089	2.9	110	0.00
16		2,2'-oxybis(1-Chloropropane	1.822	1.739	4.6	109	0.01
17		2-Methylphenol	1.182	1.133	4.1	108	0.00
18		Hexachloroethane	0.483	0.474	1.9	108	0.00
19	P	n-Nitroso-di-n-propylamine	1.012	0.980	3.2	110	0.00
20		3+4-Methylphenols	1.556	1.523	2.1	111	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	122	0.00
22		Acetophenone	0.513	0.475	7.4	109	0.00
23	S	Nitrobenzene-d5	0.303	0.313	-3.3	115	0.00
24		Nitrobenzene	0.326	0.329	-0.9	114	0.00
25		Isophorone	0.719	0.659	8.3	112	0.00
26	C	2-Nitrophenol	0.094	0.117	-24.5#	134	0.00
27		2,4-Dimethylphenol	0.310	0.296	4.5	112	0.00
28		bis(2-Chloroethoxy)methane	0.433	0.405	6.5	112	0.00
29	C	2,4-Dichlorophenol	0.285	0.279	2.1	114	0.00
30		1,2,4-Trichlorobenzene	0.326	0.302	7.4	110	0.00
31		Naphthalene	1.075	1.004	6.6	110	0.00
32		Benzoic acid	0.138	0.136	1.4	127	0.01
33		4-Chloroaniline	0.476	0.442	7.1	112	0.00
34	C	Hexachlorobutadiene	0.189	0.177	6.3	109	0.00
35		Caprolactam	0.093	0.087	6.5	117	0.00
36	C	4-Chloro-3-methylphenol	0.311	0.297	4.5	115	0.00
37		2-Methylnaphthalene	0.764	0.713	6.7	113	0.00
38		1-Methylnaphthalene	0.718	0.667	7.1	113	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	129	0.00
40		1,2,4,5-Tetrachlorobenzene	0.616	0.576	6.5	114	0.00
41	P	Hexachlorocyclopentadiene	0.290	0.289	0.3	123	0.00
42	S	2,4,6-Tribromophenol	0.201	0.204	-1.5	123	0.00
43	C	2,4,6-Trichlorophenol	0.360	0.362	-0.6	122	0.00
44		2,4,5-Trichlorophenol	0.426	0.424	0.5	121	0.00
45	S	2-Fluorobiphenyl	1.457	1.346	7.6	113	0.00
46		1,1'-Biphenyl	1.606	1.482	7.7	114	0.00
47		2-Chloronaphthalene	1.203	1.107	8.0	114	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013553.D
Acq On : 23 Jan 2023 18:39
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Quant Time: Jan 24 04:46:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 04:44:15 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.241	0.278	-15.4	136	0.00
49		Acenaphthylene	1.968	1.827	7.2	115	0.00
50		Dimethylphthalate	1.487	1.379	7.3	118	0.00
51		2,6-Dinitrotoluene	0.240	0.272	-13.3	132	0.00
52	C	Acenaphthene	1.216	1.125	7.5	116	0.00
53		3-Nitroaniline	0.275	0.300	-9.1	128	0.00
54	P	2,4-Dinitrophenol	0.058	0.075	-29.3#	150#	0.00
55		Dibenzofuran	1.864	1.715	8.0	116	0.00
56	P	4-Nitrophenol	0.212	0.224	-5.7	126	0.00
57		2,4-Dinitrotoluene	0.266	0.332	-24.8	137	0.00
58		Fluorene	1.482	1.347	9.1	115	0.00
59		2,3,4,6-Tetrachlorophenol	0.327	0.321	1.8	123	0.00
60		Diethylphthalate	1.452	1.331	8.3	118	0.00
61		4-Chlorophenyl-phenylether	0.729	0.665	8.8	116	0.00
62		4-Nitroaniline	0.265	0.298	-12.5	123	0.00
63		Azobenzene	1.411	1.268	10.1	115	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	130	0.00
65		4,6-Dinitro-2-methylphenol	0.058	0.061	-5.2	150#	0.00
66	c	n-Nitrosodiphenylamine	0.652	0.601	7.8	116	0.00
67		4-Bromophenyl-phenylether	0.222	0.201	9.5	116	0.00
68		Hexachlorobenzene	0.239	0.218	8.8	117	0.00
69		Atrazine	0.187	0.177	5.3	116	0.00
70	C	Pentachlorophenol	0.139	0.133	4.3	121	0.00
71		Phenanthrene	1.113	1.002	10.0	114	0.00
72		Anthracene	1.129	1.014	10.2	112	0.00
73		Carbazole	1.015	0.895	11.8	109	0.00
74		Di-n-butylphthalate	1.130	1.015	10.2	112	0.00
75	C	Fluoranthene	1.183	1.012	14.5	105	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	105	0.00
77		Benzidine	0.503	0.503	0.0	100	0.00
78		Pyrene	1.529	1.460	4.5	103	0.00
79	S	Terphenyl-d14	1.112	1.076	3.2	101	0.00
80		Butylbenzylphthalate	0.487	0.483	0.8	96	0.00
81		Benzo(a)anthracene	1.393	1.267	9.0	93	0.00
82		3,3'-Dichlorobenzidine	0.449	0.408	9.1	89	0.00
83		Chrysene	1.333	1.215	8.9	92	0.00
84		Bis(2-ethylhexyl)phthalate	0.779	0.697	10.5	90	0.00
85	c	Di-n-octyl phthalate	1.256	1.091	13.1	84	0.00
86	I	Perylene-d12	1.000	1.000	0.0	97	0.00
87		Indeno(1,2,3-cd)pyrene	1.473	1.421	3.5	87	-0.01
88		Benzo(b)fluoranthene	1.230	1.132	8.0	86	0.00
89		Benzo(k)fluoranthene	1.255	1.178	6.1	90	0.00
90	C	Benzo(a)pyrene	1.194	1.109	7.1	87	0.00
91		Dibenzo(a,h)anthracene	1.236	1.200	2.9	87	0.00
92		Benzo(g,h,i)perylene	1.206	1.168	3.2	87	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013553.D
Acq On : 23 Jan 2023 18:39
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Quant Time: Jan 24 04:46:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 04:44:15 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013553.D
Acq On : 23 Jan 2023 18:39
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Quant Time: Jan 24 04:46:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 04:44:15 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	115	0.00
2		1,4-Dioxane	40.000	37.685	5.8	103	0.00
3		Pyridine	40.000	37.411	6.5	102	0.00
4		n-Nitrosodimethylamine	40.000	37.091	7.3	102	0.00
5	S	2-Fluorophenol	80.000	76.095	4.9	104	0.00
6		Aniline	40.000	38.267	4.3	107	0.00
7	S	Phenol-d6	80.000	77.036	3.7	107	0.00
8		2-Chlorophenol	40.000	39.252	1.9	109	0.00
9		Benzaldehyde	40.000	34.538	13.7	108	0.00
10	C	Phenol	40.000	38.384	4.0	107	0.00
11		bis(2-Chloroethyl)ether	40.000	37.865	5.3	107	0.00
12		1,3-Dichlorobenzene	40.000	37.709	5.7	105	0.00
13	C	1,4-Dichlorobenzene	40.000	37.749	5.6	105	0.00
14		1,2-Dichlorobenzene	40.000	37.882	5.3	106	0.00
15		Benzyl Alcohol	40.000	38.823	2.9	110	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.176	4.6	109	0.01
17		2-Methylphenol	40.000	38.338	4.2	108	0.00
18		Hexachloroethane	40.000	39.268	1.8	108	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.731	3.2	110	0.00
20		3+4-Methylphenols	40.000	39.161	2.1	111	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	122	0.00
22		Acetophenone	40.000	37.021	7.4	109	0.00
23	S	Nitrobenzene-d5	80.000	82.614	-3.3	115	0.00
24		Nitrobenzene	40.000	40.379	-0.9	114	0.00
25		Isophorone	40.000	36.688	8.3	112	0.00
26	C	2-Nitrophenol	40.000	42.146	-5.4	134	0.00
27		2,4-Dimethylphenol	40.000	38.110	4.7	112	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.453	6.4	112	0.00
29	C	2,4-Dichlorophenol	40.000	39.116	2.2	114	0.00
30		1,2,4-Trichlorobenzene	40.000	37.053	7.4	110	0.00
31		Naphthalene	40.000	37.348	6.6	110	0.00
32		Benzoic acid	40.000	40.030	-0.1	127	0.01
33		4-Chloroaniline	40.000	37.166	7.1	112	0.00
34	C	Hexachlorobutadiene	40.000	37.447	6.4	109	0.00
35		Caprolactam	40.000	37.701	5.7	117	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.267	4.3	115	0.00
37		2-Methylnaphthalene	40.000	37.330	6.7	113	0.00
38		1-Methylnaphthalene	40.000	37.148	7.1	113	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	129	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.386	6.5	114	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.871	5.3	123	0.00
42	S	2,4,6-Tribromophenol	80.000	81.396	-1.7	123	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.167	-0.4	122	0.00
44		2,4,5-Trichlorophenol	40.000	39.842	0.4	121	0.00
45	S	2-Fluorobiphenyl	80.000	73.903	7.6	113	0.00
46		1,1'-Biphenyl	40.000	36.918	7.7	114	0.00
47		2-Chloronaphthalene	40.000	36.807	8.0	114	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013553.D
Acq On : 23 Jan 2023 18:39
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Quant Time: Jan 24 04:46:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 04:44:15 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.427	3.9	136	0.00
49		Acenaphthylene	40.000	37.127	7.2	115	0.00
50		Dimethylphthalate	40.000	37.097	7.3	118	0.00
51		2,6-Dinitrotoluene	40.000	38.557	3.6	132	0.00
52	C	Acenaphthene	40.000	37.017	7.5	116	0.00
53		3-Nitroaniline	40.000	37.428	6.4	128	0.00
54	P	2,4-Dinitrophenol	40.000	43.064	-7.7	150	0.00
55		Dibenzofuran	40.000	36.802	8.0	116	0.00
56	P	4-Nitrophenol	40.000	38.535	3.7	126	0.00
57		2,4-Dinitrotoluene	40.000	39.531	1.2	137	0.00
58		Fluorene	40.000	36.362	9.1	115	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.318	1.7	123	0.00
60		Diethylphthalate	40.000	36.672	8.3	118	0.00
61		4-Chlorophenyl-phenylether	40.000	36.516	8.7	116	0.00
62		4-Nitroaniline	40.000	38.280	4.3	123	0.00
63		Azobenzene	40.000	35.955	10.1	115	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	130	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.678	-6.7	150	0.00
66	c	n-Nitrosodiphenylamine	40.000	36.849	7.9	116	0.00
67		4-Bromophenyl-phenylether	40.000	36.344	9.1	116	0.00
68		Hexachlorobenzene	40.000	36.389	9.0	117	0.00
69		Atrazine	40.000	38.029	4.9	116	0.00
70	C	Pentachlorophenol	40.000	36.445	8.9	121	0.00
71		Phenanthrene	40.000	36.016	10.0	114	0.00
72		Anthracene	40.000	35.926	10.2	112	0.00
73		Carbazole	40.000	35.281	11.8	109	0.00
74		Di-n-butylphthalate	40.000	35.932	10.2	112	0.00
75	C	Fluoranthene	40.000	34.200	14.5	105	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	105	0.00
77		Benzidine	40.000	40.020	-0.1	100	0.00
78		Pyrene	40.000	38.191	4.5	103	0.00
79	S	Terphenyl-d14	80.000	77.448	3.2	101	0.00
80		Butylbenzylphthalate	40.000	39.639	0.9	96	0.00
81		Benzo(a)anthracene	40.000	36.372	9.1	93	0.00
82		3,3'-Dichlorobenzidine	40.000	36.309	9.2	89	0.00
83		Chrysene	40.000	36.468	8.8	92	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	35.790	10.5	90	0.00
85	c	Di-n-octyl phthalate	40.000	34.751	13.1	84	0.00
86	I	Perylene-d12	20.000	20.000	0.0	97	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.588	3.5	87	-0.01
88		Benzo(b)fluoranthene	40.000	36.800	8.0	86	0.00
89		Benzo(k)fluoranthene	40.000	37.537	6.2	90	0.00
90	C	Benzo(a)pyrene	40.000	37.174	7.1	87	0.00
91		Dibenzo(a,h)anthracene	40.000	38.854	2.9	87	0.00
92		Benzo(g,h,i)perylene	40.000	38.741	3.1	87	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013553.D
Acq On : 23 Jan 2023 18:39
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP012323

Quant Time: Jan 24 04:46:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 04:44:15 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_P Calibration Date(s): 01/31/2023 01/31/2023

Calibration Time(s): 11:21 15:56

LAB FILE ID: RRF2.5 = BP013669.D RRF005 = BP013670.D RRF010 = BP013671.D
RRF020 = BP013672.D RRF040 = BP013673.D RRF050 = BP013674.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.265	1.187	1.186	1.213	1.160	1.170	5.7
Benzaldehyde		1.148	1.020	0.949	0.840	0.747	0.895	19.9
Phenol-d6		1.648	1.553	1.571	1.610	1.589	1.559	4.4
Phenol		1.684	1.624	1.644	1.685	1.679	1.628	3.9
bis(2-Chloroethyl)ether		1.389	1.317	1.310	1.328	1.316	1.301	4.6
2-Chlorophenol		1.283	1.244	1.252	1.271	1.250	1.232	4.2
2-Methylphenol		1.152	1.112	1.159	1.188	1.203	1.141	4.2
2,2-oxybis(1-Chloropropane)		1.631	1.535	1.545	1.557	1.547	1.519	5.4
Acetophenone		0.530	0.508	0.529	0.531	0.540	0.522	3.1
3+4-Methylphenols		1.528	1.513	1.576	1.621	1.660	1.557	4.1
n-Nitroso-di-n-propylamine	0.859	0.984	0.973	1.003	1.033	1.073	0.978	6.5
Nitrobenzene-d5		0.290	0.302	0.339	0.360	0.383	0.344	10.4
Hexachloroethane		0.485	0.461	0.460	0.467	0.471	0.463	3.0
Nitrobenzene		0.331	0.337	0.372	0.387	0.409	0.373	7.9
Isophorone		0.746	0.730	0.764	0.778	0.814	0.762	3.8
2-Nitrophenol		0.121	0.129	0.147	0.163	0.180	0.156	15.3
2,4-Dimethylphenol		0.296	0.296	0.308	0.317	0.324	0.308	3.5
bis(2-Chloroethoxy)methane		0.465	0.450	0.461	0.456	0.477	0.457	3.1
2,4-Dichlorophenol		0.318	0.319	0.334	0.341	0.356	0.335	4.3
Naphthalene		1.097	1.040	1.066	1.060	1.077	1.052	3.3
4-Chloroaniline		0.450	0.445	0.464	0.472	0.492	0.462	3.6
Hexachlorobutadiene		0.242	0.232	0.234	0.233	0.240	0.236	2.2
Caprolactam		0.103	0.099	0.107	0.112	0.123	0.110	7.1
4-Chloro-3-methylphenol		0.328	0.324	0.352	0.358	0.387	0.352	6.0
2-Methylnaphthalene		0.808	0.762	0.801	0.792	0.824	0.791	3.0
Hexachlorocyclopentadiene			0.240	0.274	0.311	0.335	0.312	14.9
2,4,6-Trichlorophenol		0.409	0.410	0.450	0.466	0.478	0.450	6.4
2-Fluorobiphenyl		1.473	1.429	1.477	1.458	1.438	1.429	3.9
2,4,5-Trichlorophenol		0.480	0.476	0.527	0.543	0.562	0.526	6.6
1,1-Biphenyl		1.545	1.486	1.551	1.539	1.535	1.513	2.9
2-Chloronaphthalene		1.181	1.143	1.198	1.191	1.188	1.170	2.6
2-Nitroaniline		0.164	0.179	0.227	0.267	0.303	0.250	24.2
Dimethylphthalate		1.558	1.482	1.571	1.570	1.609	1.547	2.9
Acenaphthylene		1.892	1.815	1.924	1.922	1.938	1.887	2.7
2,6-Dinitrotoluene		0.167	0.208	0.274	0.306	0.332	0.276	23.5
3-Nitroaniline		0.204	0.247	0.297	0.327	0.352	0.302	18.6

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_P Calibration Date(s): 01/31/2023 01/31/2023

Calibration Time(s): 11:21 15:56

LAB FILE ID: RRF2.5 = BP013669.D RRF005 = BP013670.D RRF010 = BP013671.D
RRF020 = BP013672.D RRF040 = BP013673.D RRF050 = BP013674.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Acenaphthene		1.225	1.184	1.210	1.225	1.246	1.215	2.0
2,4-Dinitrophenol			0.102	0.131	0.169	0.201	0.168	25.9
4-Nitrophenol			0.211	0.249	0.276	0.300	0.268	12.2
Dibenzofuran		1.959	1.911	1.935	1.903	1.926	1.901	2.9
2,4-Dinitrotoluene		0.214	0.262	0.342	0.400	0.446	0.363	25.8
Diethylphthalate		1.499	1.450	1.496	1.494	1.544	1.483	2.6
4-Chlorophenyl-phenylether		0.844	0.807	0.812	0.813	0.831	0.813	2.7
Fluorene		1.549	1.492	1.547	1.505	1.506	1.492	3.8
4-Nitroaniline		0.195	0.236	0.298	0.329	0.352	0.299	20.5
4,6-Dinitro-2-methylphenol			0.069	0.088	0.107	0.120	0.104	20.9
n-Nitrosodiphenylamine		0.597	0.602	0.591	0.584	0.581	0.582	3.4
2,4,6-Tribromophenol		0.273	0.279	0.295	0.306	0.323	0.300	6.2
4-Bromophenyl-phenylether		0.224	0.221	0.230	0.230	0.238	0.229	2.5
Hexachlorobenzene		0.259	0.247	0.252	0.251	0.259	0.254	1.9
Atrazine		0.184	0.188	0.195	0.201	0.194	0.189	4.1
Pentachlorophenol		0.162	0.168	0.185	0.195	0.203	0.187	8.9
Phenanthrene		1.125	1.080	1.097	1.075	1.071	1.072	3.6
Anthracene		1.102	1.080	1.101	1.101	1.095	1.082	2.8
Carbazole		0.990	1.002	1.006	0.999	0.994	0.983	3.2
Di-n-butylphthalate		1.044	1.055	1.085	1.097	1.117	1.075	2.7
Fluoranthene		1.358	1.328	1.355	1.346	1.356	1.335	2.5
Pyrene		1.361	1.313	1.355	1.378	1.373	1.346	2.5
Terphenyl-d14		1.050	1.020	1.043	1.034	1.021	1.007	5.5
Butylbenzylphthalate		0.321	0.321	0.347	0.378	0.403	0.367	10.1
3,3-Dichlorobenzidine		0.398	0.405	0.447	0.463	0.465	0.439	6.1
Benzo(a)anthracene		1.414	1.353	1.399	1.417	1.421	1.389	2.6
Chrysene		1.370	1.311	1.336	1.342	1.334	1.324	2.9
Bis(2-ethylhexyl)phthalate		0.584	0.576	0.608	0.643	0.666	0.625	5.7
Di-n-octyl phthalate		1.069	1.047	1.108	1.173	1.220	1.142	5.9
Benzo(b)fluoranthene		1.187	1.140	1.231	1.201	1.262	1.202	3.5
Benzo(k)fluoranthene		1.243	1.138	1.216	1.248	1.208	1.204	3.2
Benzo(a)pyrene		1.194	1.153	1.199	1.207	1.223	1.193	2.1
Indeno(1,2,3-cd)pyrene		1.562	1.482	1.517	1.530	1.549	1.521	2.1
Dibenzo(a,h)anthracene		1.290	1.236	1.263	1.274	1.288	1.263	2.2
Benzo(g,h,i)perylene		1.297	1.221	1.249	1.258	1.274	1.254	2.2
1,2,4,5-Tetrachlorobenzene		0.659	0.652	0.685	0.695	0.702	0.683	3.0

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_P Calibration Date(s): 01/31/2023 01/31/2023

Calibration Time(s): 11:21 15:56

LAB FILE ID: RRF2.5 = BP013669.D RRF005 = BP013670.D RRF010 = BP013671.D
RRF020 = BP013672.D RRF040 = BP013673.D RRF050 = BP013674.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
1,4-Dioxane		0.540	0.526	0.508	0.501	0.486	0.495	7.3
2,3,4,6-Tetrachlorophenol		0.430	0.428	0.453	0.466	0.489	0.458	4.9

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP013123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Feb 01 03:43:48 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BP013669.D 5 =BP013670.D 10 =BP013671.D 20 =BP013672.D 40 =BP013673.D 50 =BP013674.D 60 =BP013675.D 80 =BP0136
76.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.540	0.526	0.508	0.501	0.486	0.470	0.433	0.495	7.29
3)		Pyridine		1.486	1.425	1.438	1.500	1.456	1.353	1.317	1.425	4.73
4)		n-Nitrosodimet...		0.524	0.509	0.519	0.526	0.518	0.497	0.485	0.511	3.02
5)	S	2-Fluorophenol		1.265	1.187	1.186	1.213	1.160	1.117	1.060	1.170	5.68
6)		Aniline		2.056	2.015	2.068	2.094	2.105	1.949	1.937	2.032	3.32
7)	S	Phenol-d6		1.648	1.553	1.571	1.610	1.589	1.488	1.452	1.559	4.39
8)		2-Chlorophenol		1.283	1.244	1.252	1.271	1.250	1.181	1.141	1.232	4.17
9)		Benzaldehyde		1.148	1.020	0.949	0.840	0.747	0.668		0.895	19.92
10)	C	Phenol		1.684	1.624	1.644	1.685	1.679	1.554	1.528	1.628	3.94
11)		bis(2-Chloroet...		1.389	1.317	1.310	1.328	1.316	1.236	1.210	1.301	4.60
12)		1,3-Dichlorobe...		1.501	1.431	1.411	1.420	1.373	1.314	1.263	1.387	5.70
13)	C	1,4-Dichlorobe...		1.503	1.432	1.439	1.437	1.399	1.338	1.279	1.404	5.28
14)		1,2-Dichlorobe...		1.461	1.362	1.370	1.383	1.353	1.270	1.205	1.343	6.16
15)		Benzyl Alcohol		1.054	1.042	1.087	1.151	1.194	1.101	1.097	1.104	4.82
16)		2,2'-oxybis(1-...		1.631	1.535	1.545	1.557	1.547	1.428	1.390	1.519	5.41
17)		2-Methylphenol		1.152	1.112	1.159	1.188	1.203	1.098	1.075	1.141	4.18
18)		Hexachloroethane		0.485	0.461	0.460	0.467	0.471	0.458	0.439	0.463	3.02
19)	P	n-Nitroso-di-n...	0.859	0.984	0.973	1.003	1.033	1.073	0.957	0.942	0.978	6.54
20)		3+4-Methylphenols		1.528	1.513	1.576	1.621	1.660	1.502	1.496	1.557	4.11
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.530	0.508	0.529	0.531	0.540	0.522	0.492	0.522	3.13
23)	S	Nitrobenzene-d5		0.290	0.302	0.339	0.360	0.383	0.377	0.357	0.344	10.38
24)		Nitrobenzene		0.331	0.337	0.372	0.387	0.409	0.400	0.374	0.373	7.94
25)		Isophorone		0.746	0.730	0.764	0.778	0.814	0.767	0.736	0.762	3.78
26)	C	2-Nitrophenol		0.121	0.129	0.147	0.163	0.180	0.176	0.176	0.156	15.31
27)		2,4-Dimethylph...		0.296	0.296	0.308	0.317	0.324	0.311	0.300	0.308	3.47
28)		bis(2-Chloroet...		0.465	0.450	0.461	0.456	0.477	0.457	0.431	0.457	3.11
29)	C	2,4-Dichloroph...		0.318	0.319	0.334	0.341	0.356	0.347	0.328	0.335	4.28
30)		1,2,4-Trichlor...		0.382	0.367	0.373	0.372	0.380	0.374	0.353	0.371	2.56
31)		Naphthalene		1.097	1.040	1.066	1.060	1.077	1.033	0.989	1.052	3.33
32)		Benzoic acid			0.170	0.207	0.232	0.260	0.250	0.253	0.229	15.14
33)		4-Chloroaniline		0.450	0.445	0.464	0.472	0.492	0.464	0.447	0.462	3.59
34)	C	Hexachlorobuta...		0.242	0.232	0.234	0.233	0.240	0.241	0.228	0.236	2.17
35)		Caprolactam		0.103	0.099	0.107	0.112	0.123	0.113	0.113	0.110	7.07
36)	C	4-Chloro-3-met...		0.328	0.324	0.352	0.358	0.387	0.361	0.355	0.352	5.97
37)		2-Methylnaphth...		0.808	0.762	0.801	0.792	0.824	0.788	0.759	0.791	2.98
38)		1-Methylnaphth...		0.757	0.723	0.753	0.743	0.775	0.738	0.710	0.743	2.94

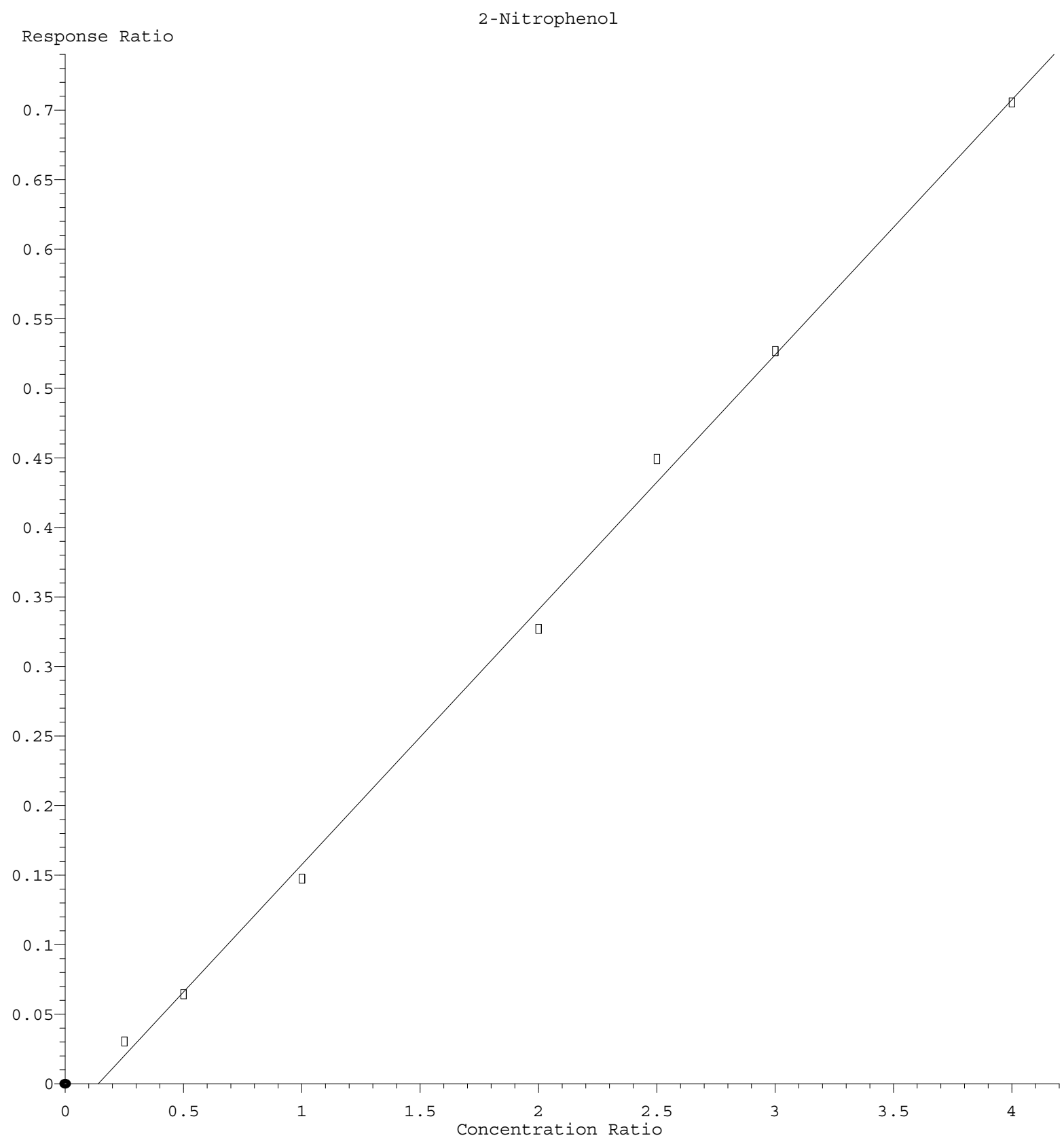
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP013123.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.659	0.652	0.685	0.695	0.702	0.705	0.681	0.683	3.03
41)	P	Hexachlorocycl...		0.240	0.274	0.311	0.335	0.353	0.357	0.312	14.91
42)	S	2,4,6-Tribromo...	0.273	0.279	0.295	0.306	0.323	0.313	0.311	0.300	6.16
43)	C	2,4,6-Trichlor...	0.409	0.410	0.450	0.466	0.478	0.473	0.462	0.450	6.43
44)		2,4,5-Trichlor...	0.480	0.476	0.527	0.543	0.562	0.553	0.543	0.526	6.60
45)	S	2-Fluorobiphenyl	1.473	1.429	1.477	1.458	1.438	1.414	1.316	1.429	3.85
46)		1,1'-Biphenyl	1.545	1.486	1.551	1.539	1.535	1.509	1.430	1.513	2.88
47)		2-Chloronaphth...	1.181	1.143	1.198	1.191	1.188	1.173	1.115	1.170	2.56
48)		2-Nitroaniline	0.164	0.179	0.227	0.267	0.303	0.300	0.309	0.250	24.21
49)		Acenaphthylene	1.892	1.815	1.924	1.922	1.938	1.901	1.815	1.887	2.71
50)		Dimethylphthalate	1.558	1.482	1.571	1.570	1.609	1.542	1.496	1.547	2.87
51)		2,6-Dinitrotol...	0.167	0.208	0.274	0.306	0.332	0.324	0.325	0.276	23.48
52)	C	Acenaphthene	1.225	1.184	1.210	1.225	1.246	1.231	1.181	1.215	2.01
53)		3-Nitroaniline	0.204	0.247	0.297	0.327	0.352	0.343	0.340	0.302	18.60
54)	P	2,4-Dinitrophenol		0.102	0.131	0.169	0.201	0.197	0.210	0.168	25.88
55)		Dibenzofuran	1.959	1.911	1.935	1.903	1.926	1.884	1.789	1.901	2.88
56)	P	4-Nitrophenol		0.211	0.249	0.276	0.300	0.287	0.286	0.268	12.20
57)		2,4-Dinitrotol...	0.214	0.262	0.342	0.400	0.446	0.436	0.441	0.363	25.76
58)		Fluorene	1.549	1.492	1.547	1.505	1.506	1.463	1.384	1.492	3.78
59)		2,3,4,6-Tetrac...	0.430	0.428	0.453	0.466	0.489	0.472	0.465	0.458	4.85
60)		Diethylphthalate	1.499	1.450	1.496	1.494	1.544	1.473	1.425	1.483	2.59
61)		4-Chlorophenyl...	0.844	0.807	0.812	0.813	0.831	0.807	0.776	0.813	2.65
62)		4-Nitroaniline	0.195	0.236	0.298	0.329	0.352	0.343	0.344	0.299	20.47
63)		Azobenzene	1.344	1.335	1.411	1.395	1.421	1.372	1.311	1.370	3.03
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.069	0.088	0.107	0.120	0.119	0.124	0.104	20.90
66)	c	n-Nitrosodiphe...	0.597	0.602	0.591	0.584	0.581	0.575	0.543	0.582	3.37
67)		4-Bromophenyl-...	0.224	0.221	0.230	0.230	0.238	0.234	0.228	0.229	2.52
68)		Hexachlorobenzene	0.259	0.247	0.252	0.251	0.259	0.257	0.250	0.254	1.90
69)		Atrazine	0.184	0.188	0.195	0.201	0.194	0.187	0.178	0.189	4.12
70)	C	Pentachlorophenol	0.162	0.168	0.185	0.195	0.203	0.200	0.198	0.187	8.87
71)		Phenanthrene	1.125	1.080	1.097	1.075	1.071	1.058	0.998	1.072	3.64
72)		Anthracene	1.102	1.080	1.101	1.101	1.095	1.080	1.017	1.082	2.80
73)		Carbazole	0.990	1.002	1.006	0.999	0.994	0.972	0.917	0.983	3.17
74)		Di-n-butylphth...	1.044	1.055	1.085	1.097	1.117	1.091	1.039	1.075	2.74
75)	C	Fluoranthene	1.358	1.328	1.355	1.346	1.356	1.337	1.262	1.335	2.53
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.446	0.468	0.411	0.471	0.421	0.392	0.415	0.432	6.98
78)		Pyrene	1.361	1.313	1.355	1.378	1.373	1.355	1.284	1.346	2.55
79)	S	Terphenyl-d14	1.050	1.020	1.043	1.034	1.021	0.995	0.887	1.007	5.55
80)		Butylbenzylpht...	0.321	0.321	0.347	0.378	0.403	0.398	0.403	0.367	10.08
81)		Benzo(a)anthra...	1.414	1.353	1.399	1.417	1.421	1.394	1.326	1.389	2.60
82)		3,3'-Dichlorob...	0.398	0.405	0.447	0.463	0.465	0.452	0.443	0.439	6.10
83)		Chrysene	1.370	1.311	1.336	1.342	1.334	1.324	1.247	1.324	2.90
84)		Bis(2-ethylhex...	0.584	0.576	0.608	0.643	0.666	0.653	0.647	0.625	5.71
85)	c	Di-n-octyl pht...	1.069	1.047	1.108	1.173	1.220	1.198	1.180	1.142	5.88

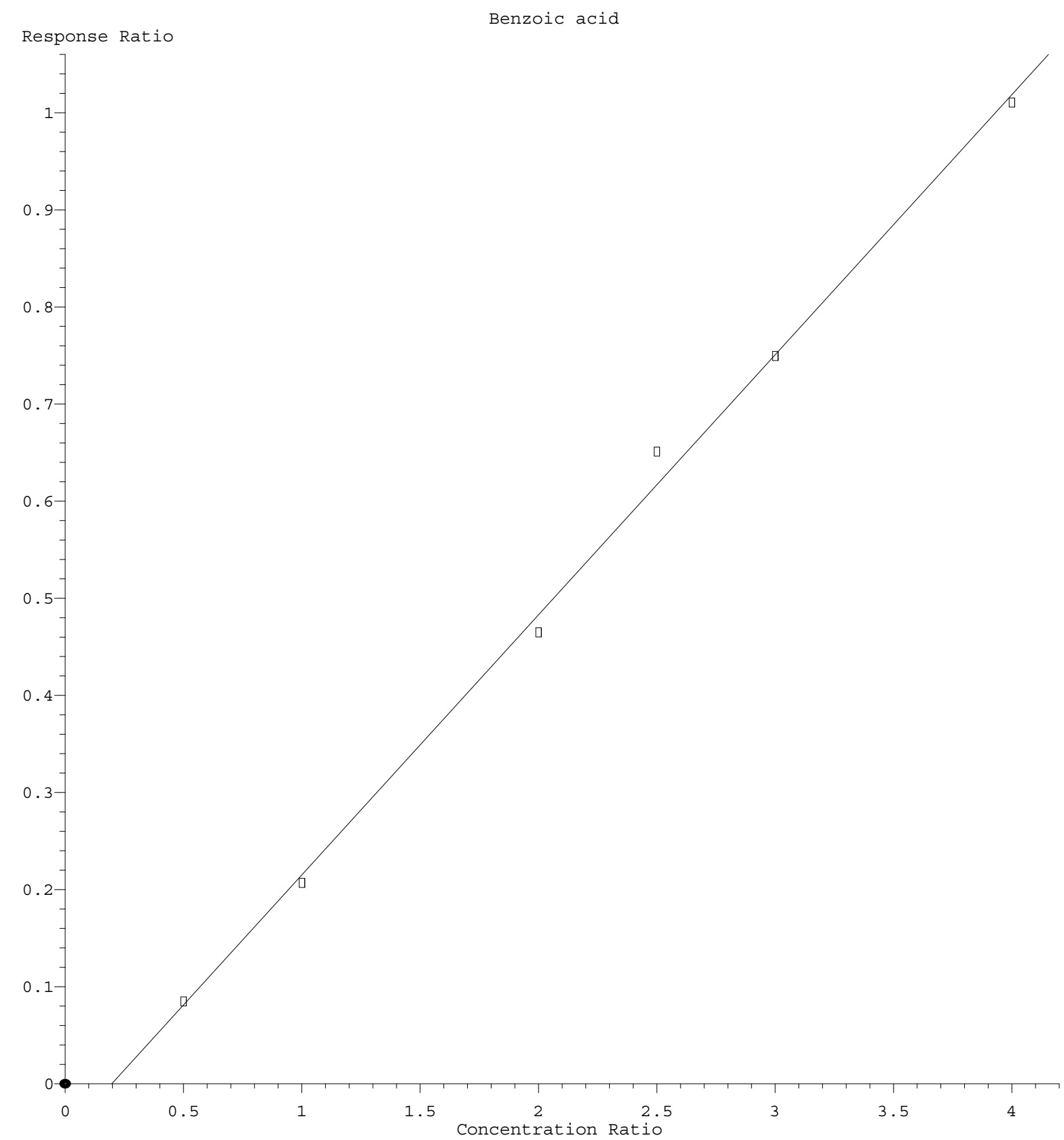
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP013123.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.562	1.482	1.517	1.530	1.549	1.531	1.476	1.521	2.11
88)		Benzo(b)fluora...	1.187	1.140	1.231	1.201	1.262	1.228	1.165	1.202	3.47
89)		Benzo(k)fluora...	1.243	1.138	1.216	1.248	1.208	1.200	1.174	1.204	3.19
90)	C	Benzo(a)pyrene	1.194	1.153	1.199	1.207	1.223	1.208	1.168	1.193	2.06
91)		Dibenzo(a,h)an...	1.290	1.236	1.263	1.274	1.288	1.271	1.215	1.263	2.18
92)		Benzo(g,h,i)pe...	1.297	1.221	1.249	1.258	1.274	1.258	1.221	1.254	2.19

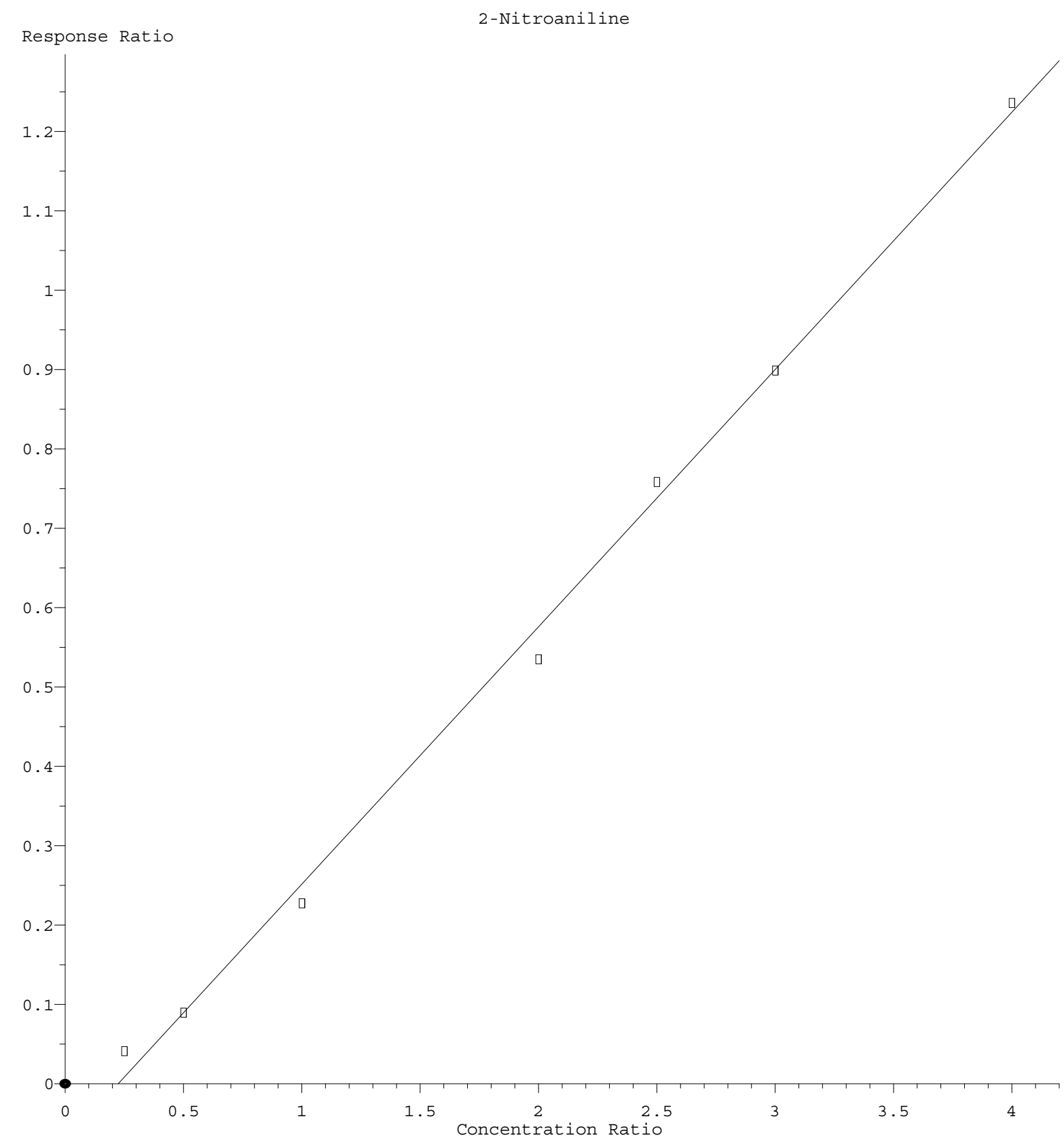
(#) = Out of Range



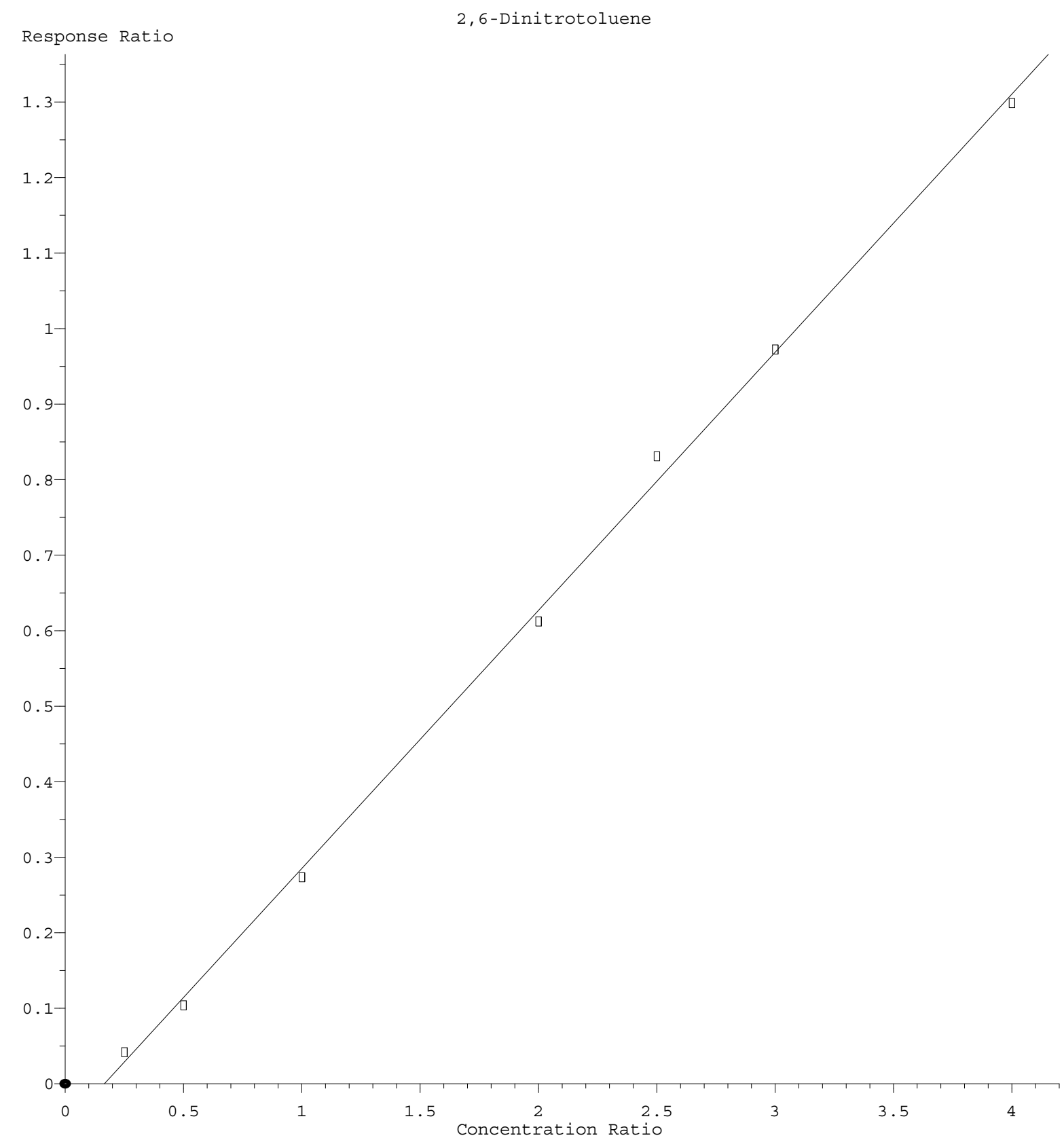
Response = 1.834e-001 * Amt - 2.573e-002
Coef of Det (r^2) = 0.998220 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
Calibration Table Last Updated: Wed Feb 01 03:43:48 2023



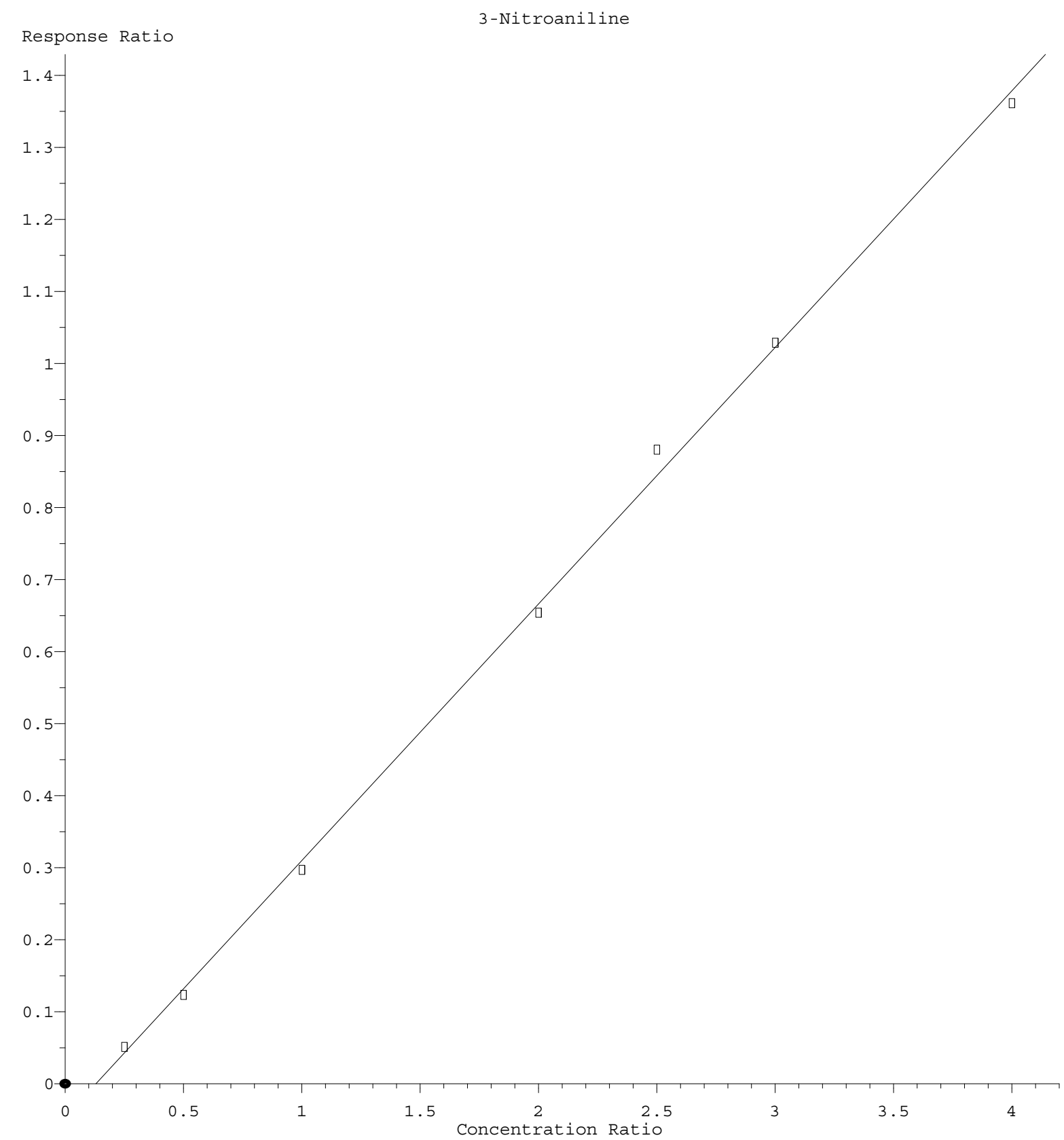
Response = 2.681e-001 * Amt - 5.289e-002
Coef of Det (r^2) = 0.997269 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
Calibration Table Last Updated: Wed Feb 01 03:43:48 2023



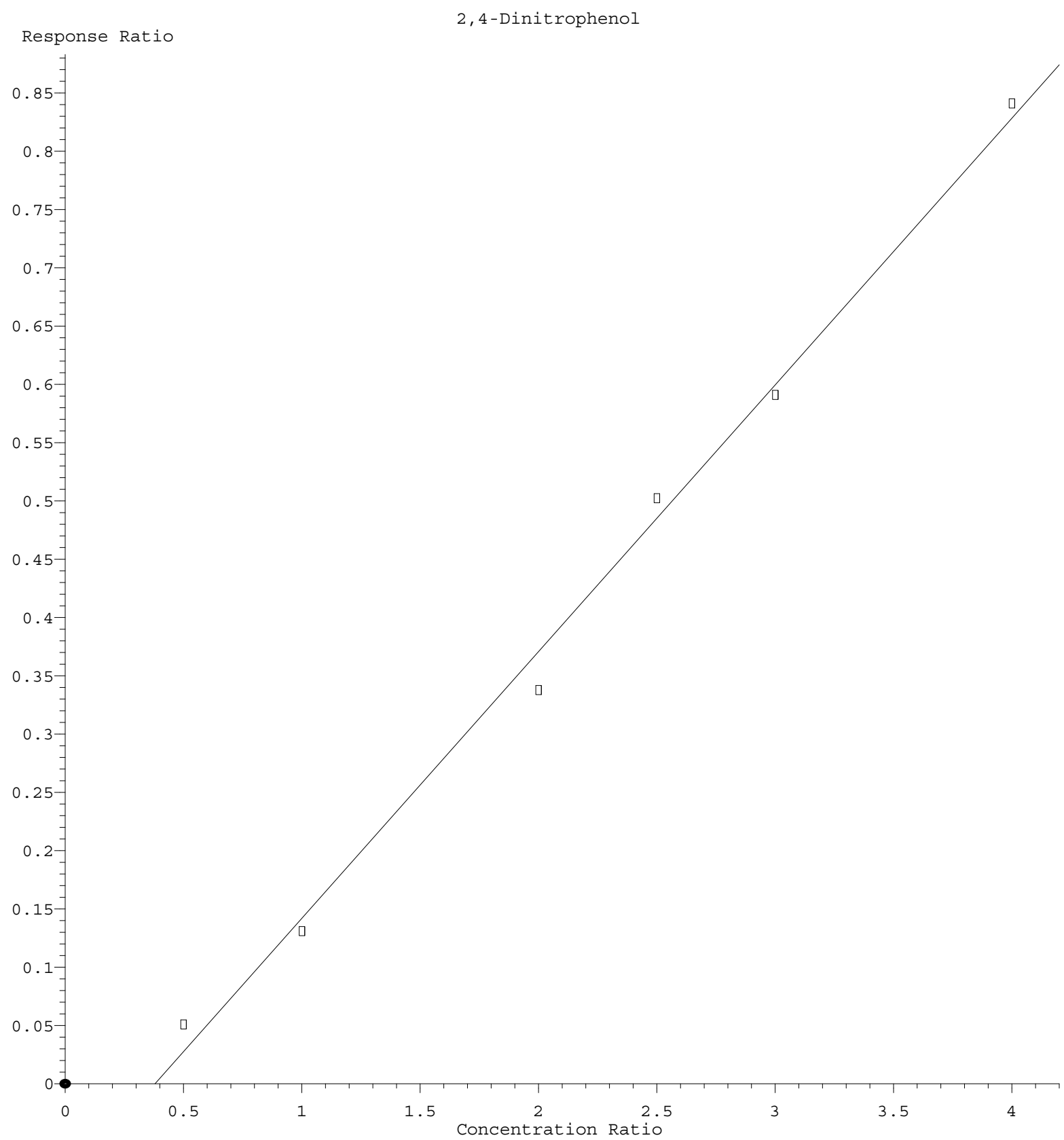
Response = 3.241e-001 * Amt - 7.271e-002
Coef of Det (r^2) = 0.996794 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
Calibration Table Last Updated: Wed Feb 01 03:43:48 2023



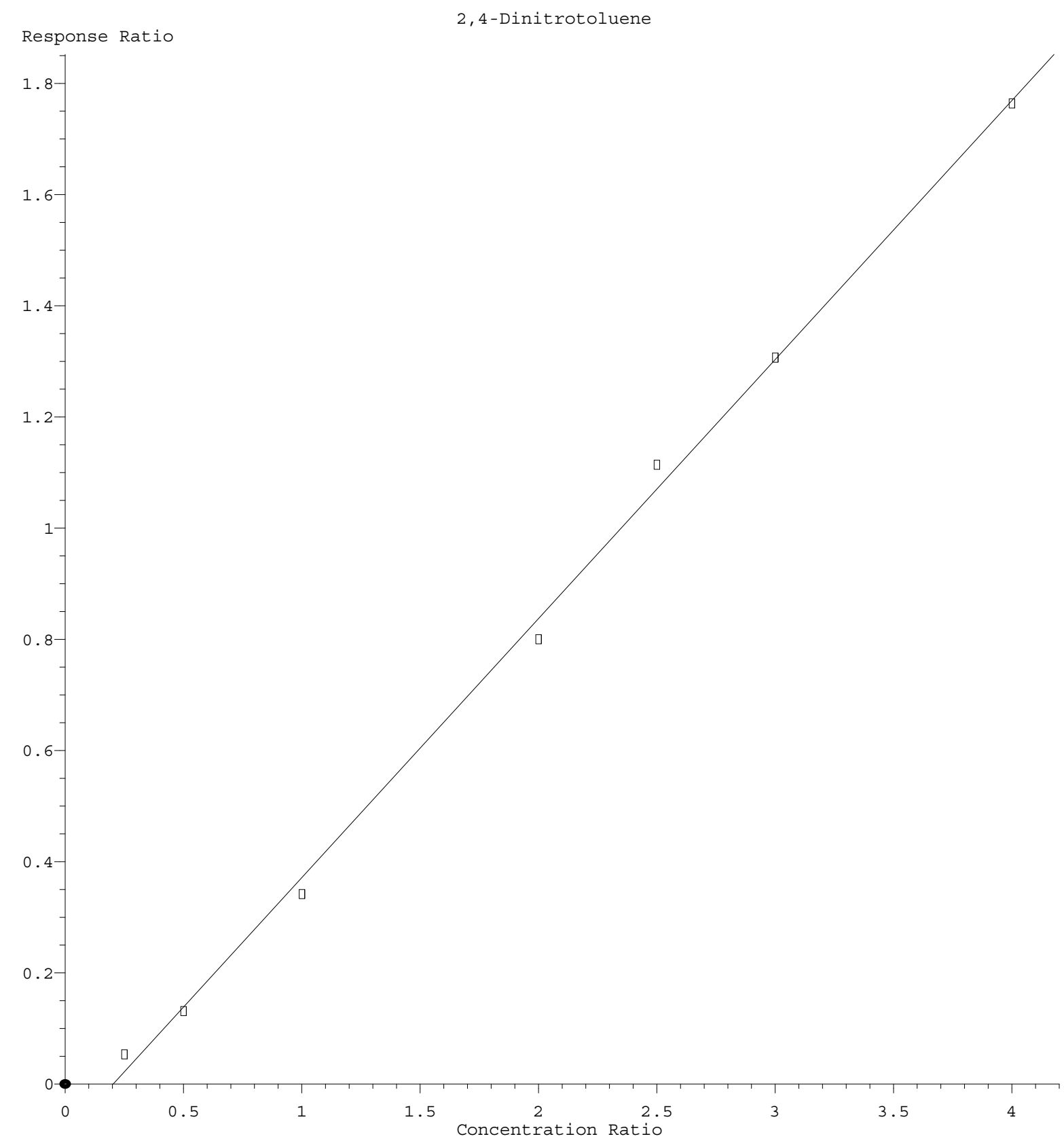
Response = 3.419e-001 * Amt - 5.667e-002
Coef of Det (r^2) = 0.998601 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
Calibration Table Last Updated: Wed Feb 01 03:43:48 2023



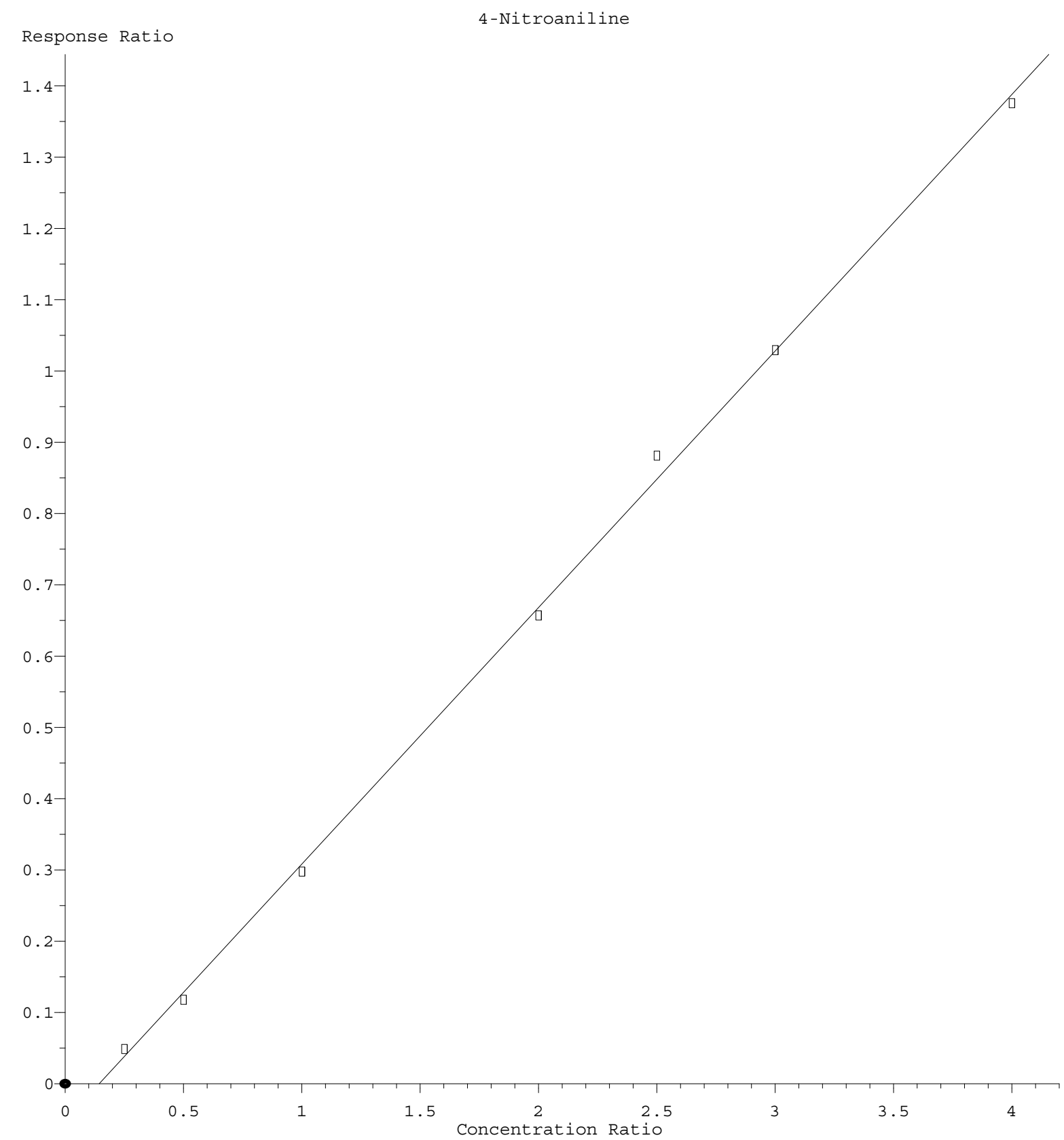
Response = 3.563e-001 * Amt - 4.642e-002
Coef of Det (r^2) = 0.998561 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
Calibration Table Last Updated: Wed Feb 01 03:43:48 2023



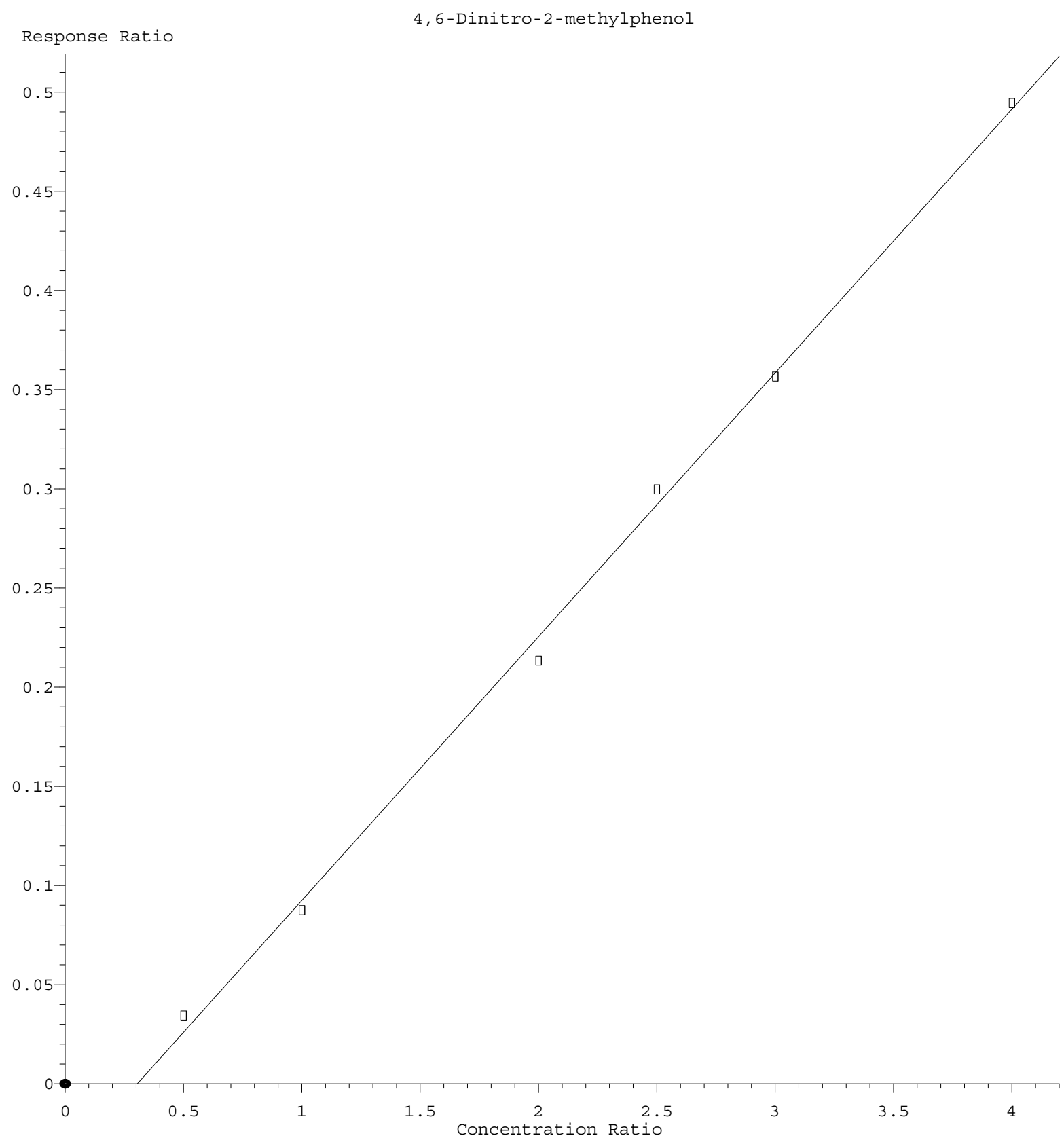
Response = 2.289e-001 * Amt - 8.710e-002
Coef of Det (r^2) = 0.994799 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
Calibration Table Last Updated: Wed Feb 01 03:43:48 2023



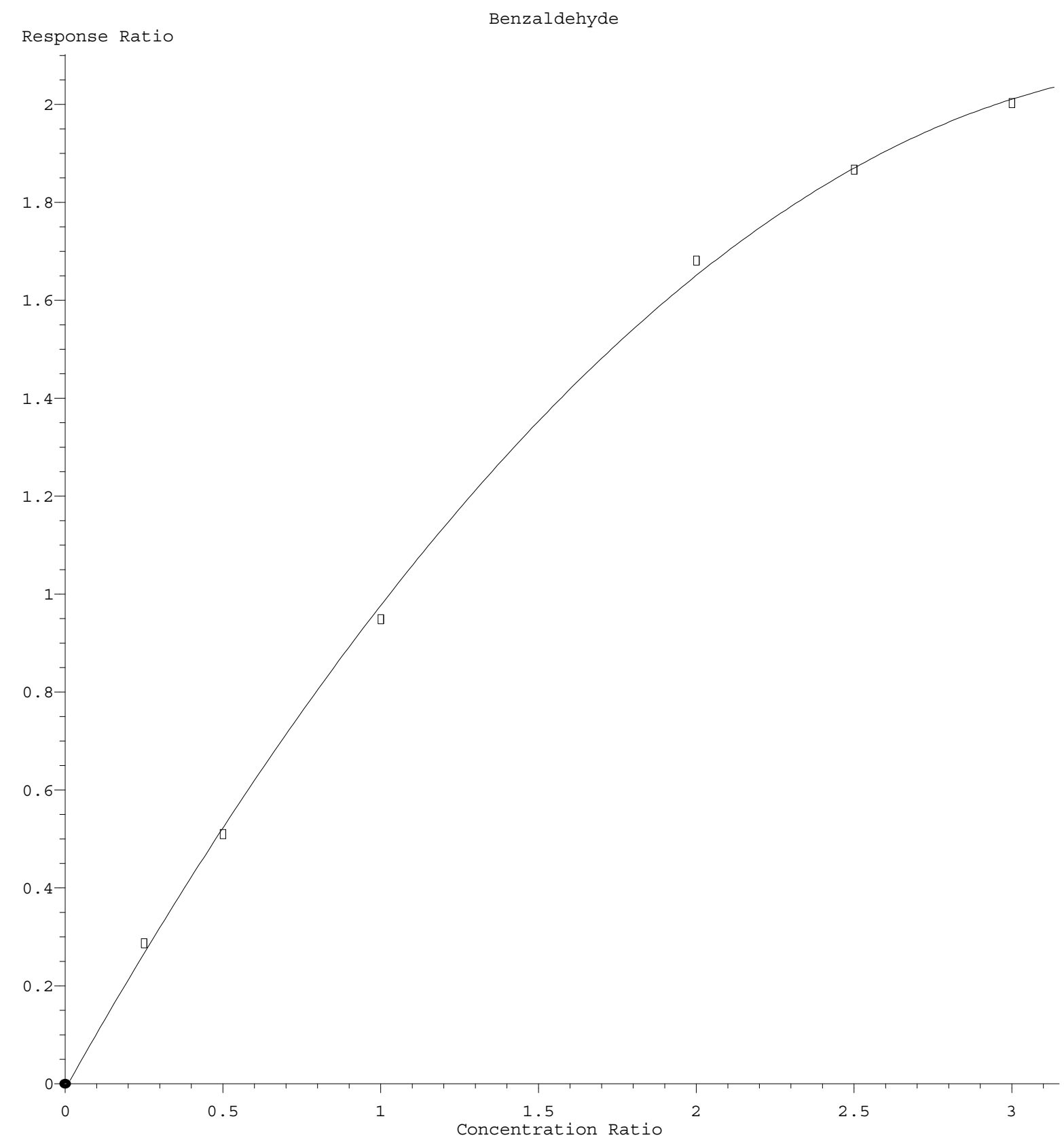
Response = 4.659e-001 * Amt - 9.472e-002
Coef of Det (r^2) = 0.997894 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
Calibration Table Last Updated: Wed Feb 01 03:43:48 2023



Response = 3.600e-001 * Amt - 5.183e-002
Coef of Det (r^2) = 0.998856 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
Calibration Table Last Updated: Wed Feb 01 03:43:48 2023



Response = 1.330e-001 * Amt - 4.056e-002
Coef of Det (r^2) = 0.997867 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
Calibration Table Last Updated: Wed Feb 01 03:43:48 2023



R = -1.567e-001 A*A + 1.144e+000 A - 1.050e-002
Coef of Det (r^2) = 0.999111 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP013123.M
Calibration Table Last Updated: Wed Feb 01 03:43:48 2023

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013669.D
Acq On : 31 Jan 2023 11:21
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 01 02:58:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.140	152	215622	20.000	ng	0.00
21) Naphthalene-d8	10.969	136	815641	20.000	ng	0.00
39) Acenaphthene-d10	14.775	164	543344	20.000	ng	0.00
64) Phenanthrene-d10	17.534	188	1222603	20.000	ng	0.00
76) Chrysene-d12	21.604	240	1282659	20.000	ng	0.00
86) Perylene-d12	24.180	264	1531046	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.946	70	23147	2.195	ng	98

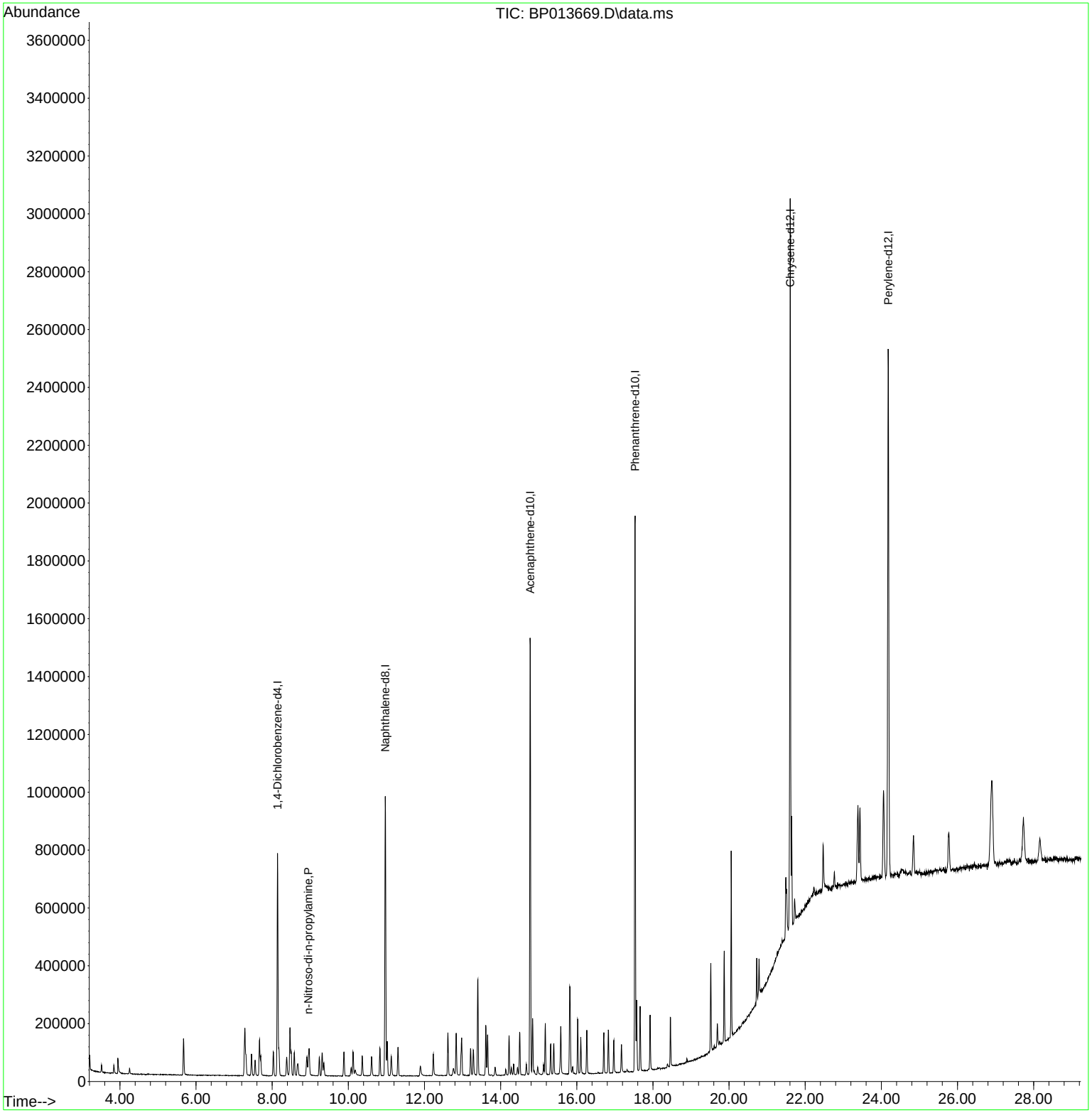
(#) = qualifier out of range (m) = manual integration (+) = signals summed

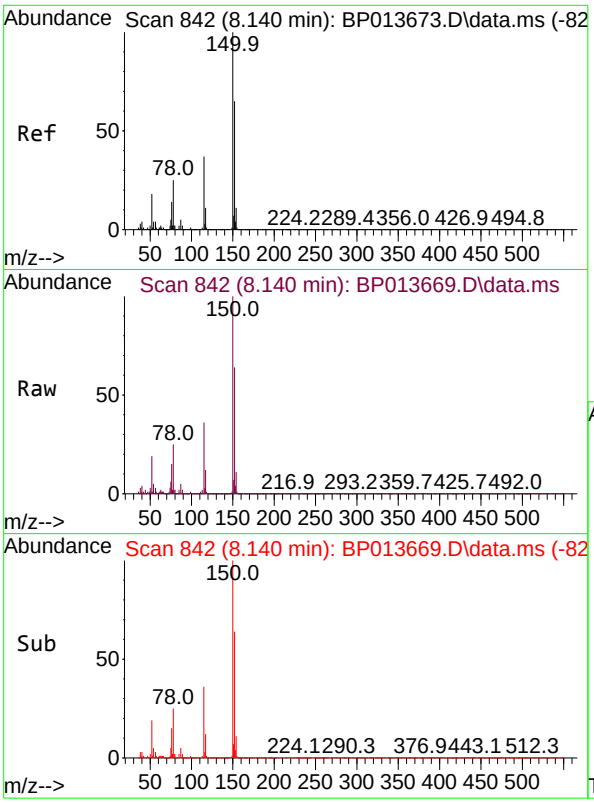
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013669.D
Acq On : 31 Jan 2023 11:21
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 01 02:58:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration



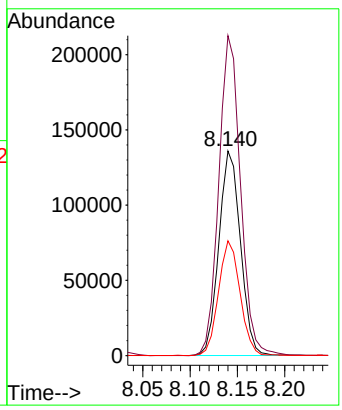


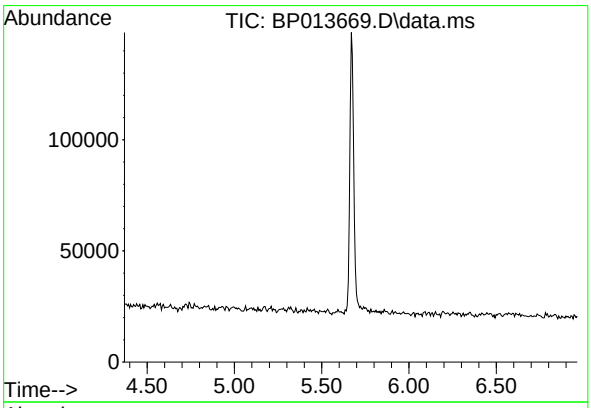
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.140 min Scan# 84
Delta R.T. -0.000 min
Lab File: BP013669.D
Acq: 31 Jan 2023 11:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 215622

Ion	Ratio	Lower	Upper
152	100		
150	156.4	123.6	185.4
115	56.1	45.4	68.0



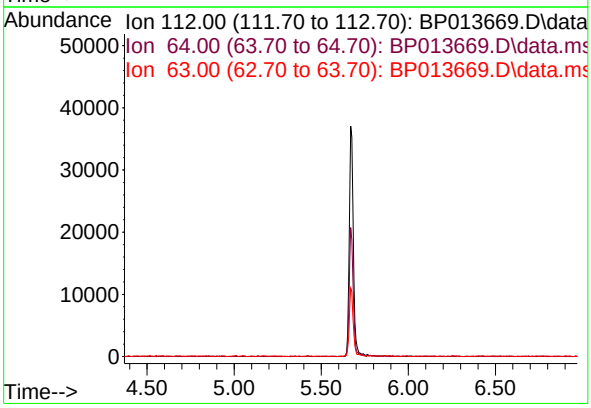


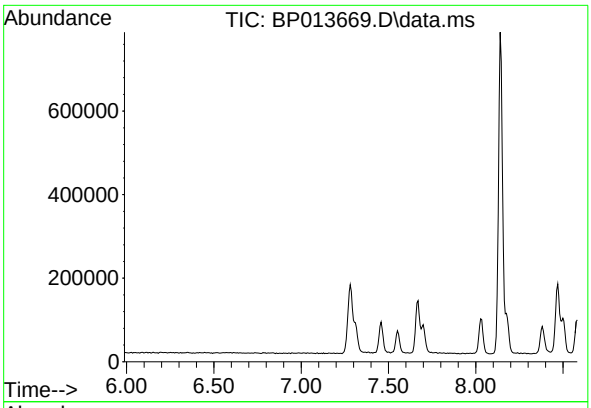
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.67 min

Lab File: BP013669.D
Acq: 31 Jan 2023 11:21

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	55.8
63	28.3





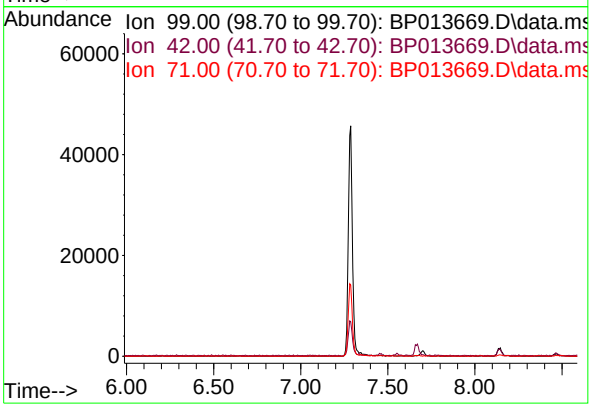
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.29 min

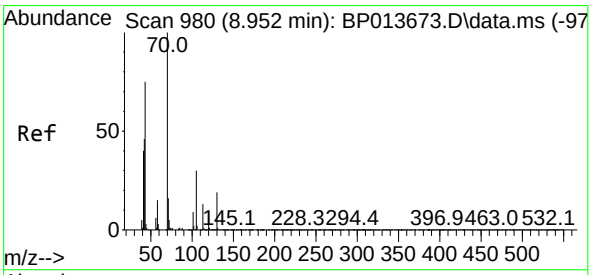
Lab File: BP013669.D
Acq: 31 Jan 2023 11:21

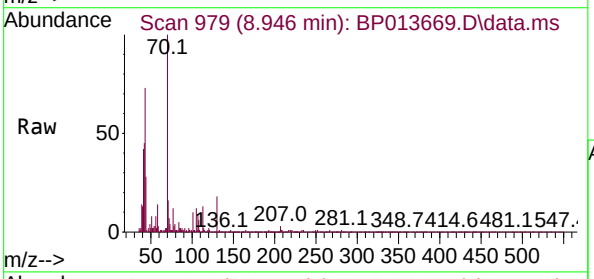
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

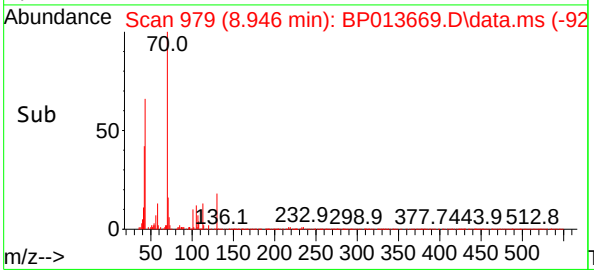
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	14.7
71	32.0





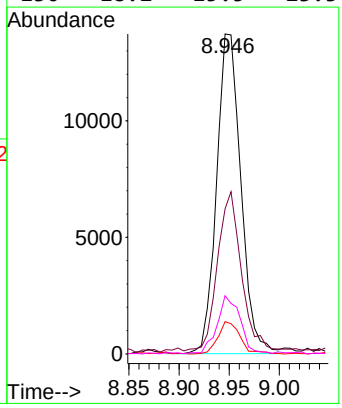


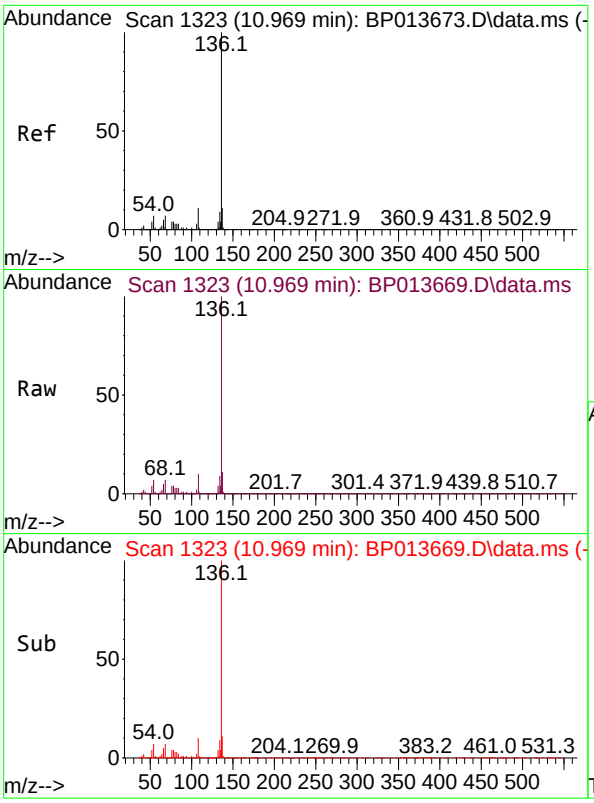


#19
n-Nitroso-di-n-propylamine
Concen: 2.195 ng
RT: 8.946 min Scan# 979
Delta R.T. -0.006 min
Lab File: BP013669.D
Acq: 31 Jan 2023 11:21

Tgt Ion: 70 Resp: 23147

Ion	Ratio	Lower	Upper
70	100		
42	45.3	37.2	55.8
101	10.1	7.4	11.2
130	18.2	15.5	23.3



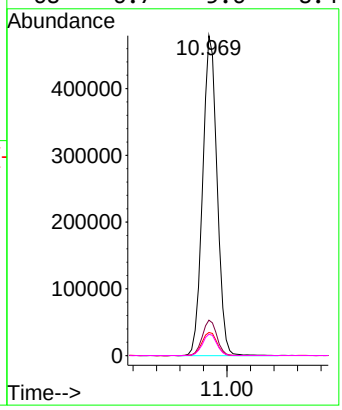


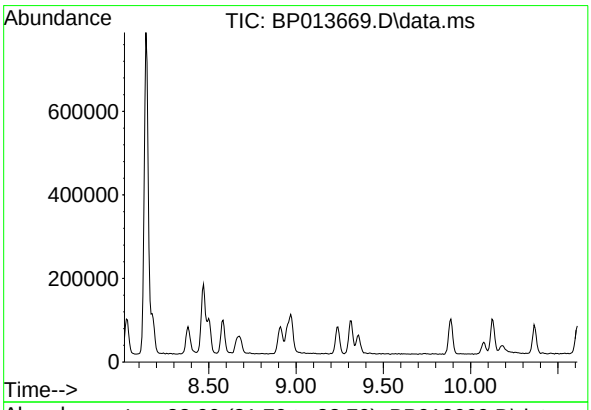
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013669.D
Acq: 31 Jan 2023 11:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 815641

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.2	6.0	9.0
68	6.7	5.6	8.4



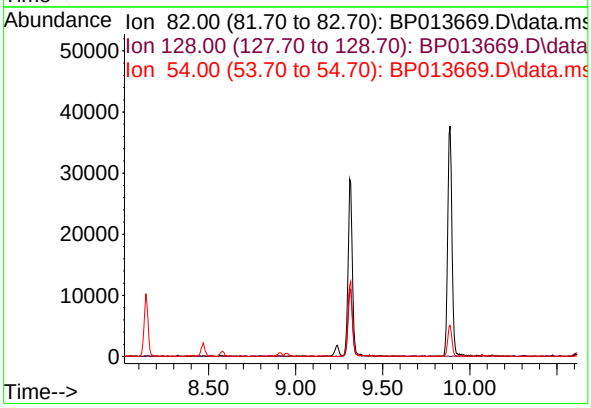


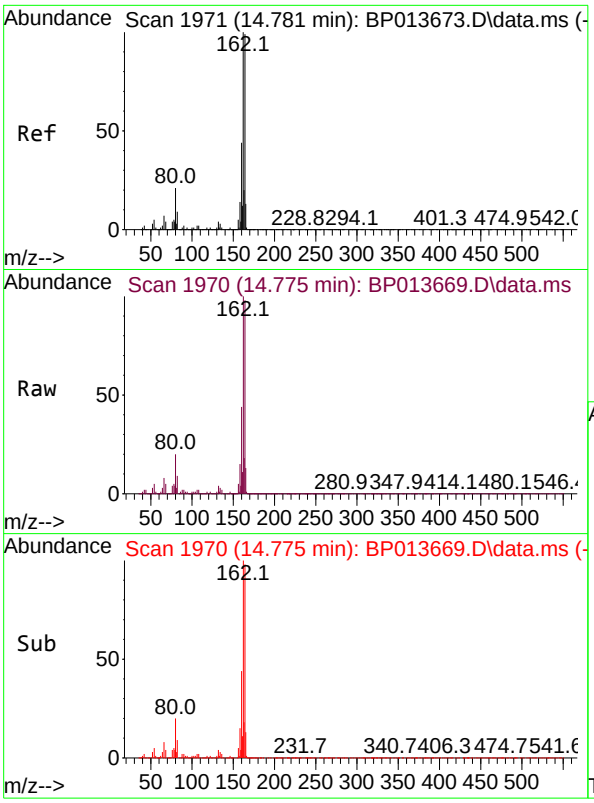
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.32 min

Lab File: BP013669.D
Acq: 31 Jan 2023 11:21

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.7
54	44.2



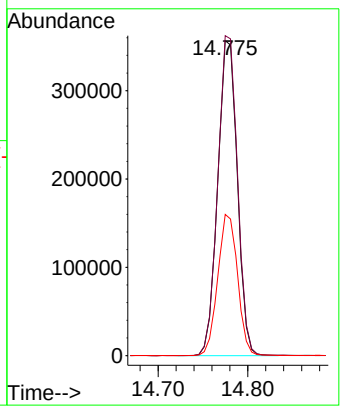


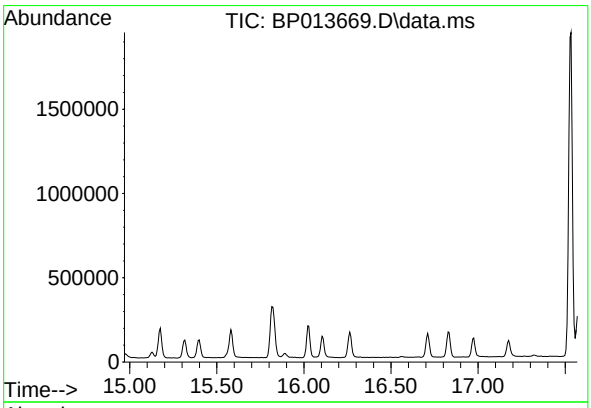
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.775 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013669.D
Acq: 31 Jan 2023 11:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 543344

Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.8	121.2
160	44.8	35.6	53.4



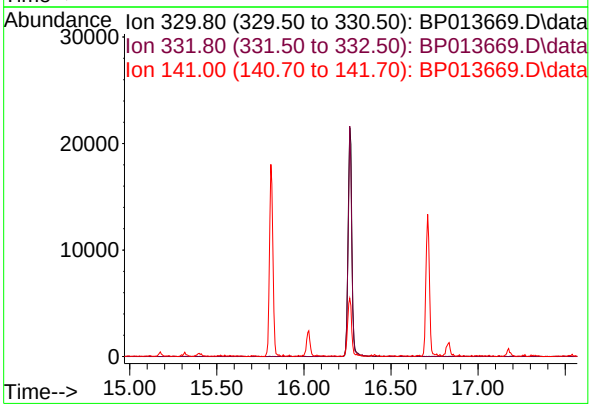


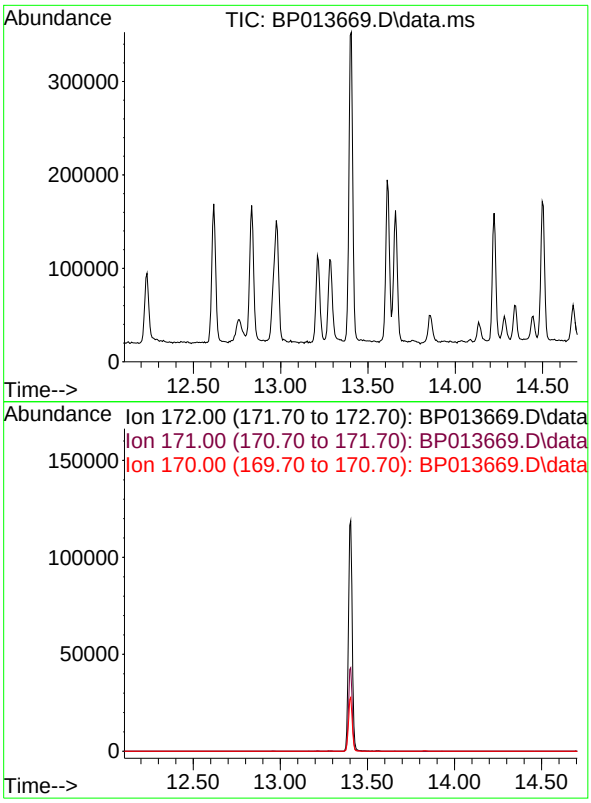
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.27 min

Lab File: BP013669.D
Acq: 31 Jan 2023 11:21

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.8
141	26.6





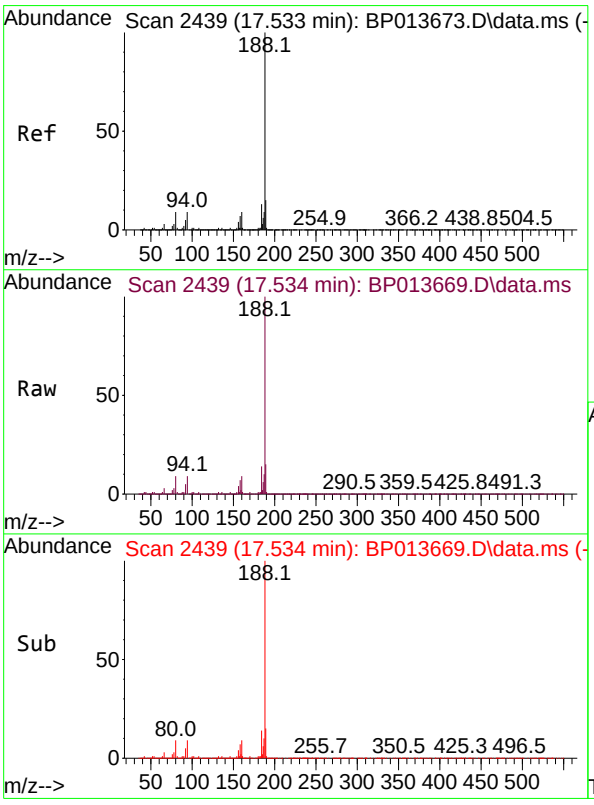
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.40 min

Lab File: BP013669.D
Acq: 31 Jan 2023 11:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

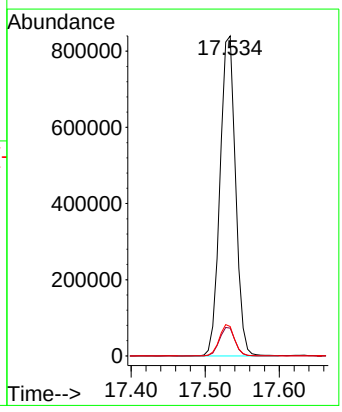
Sig	Exp Ratio
172	100
171	35.2
170	23.7

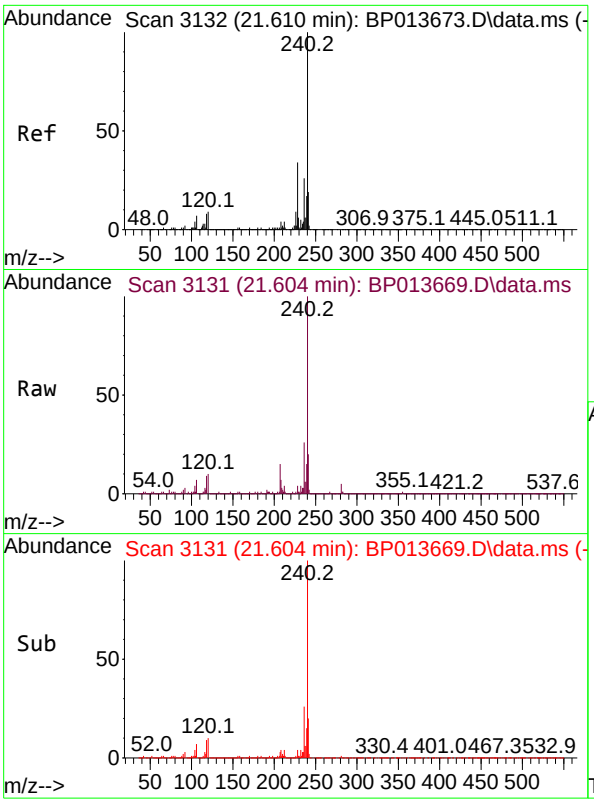


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.534 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BP013669.D
Acq: 31 Jan 2023 11:21

Tgt Ion:188 Resp: 1222603

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.9	10.3
80	9.2	7.4	11.0



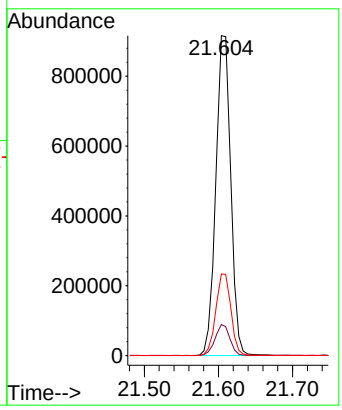


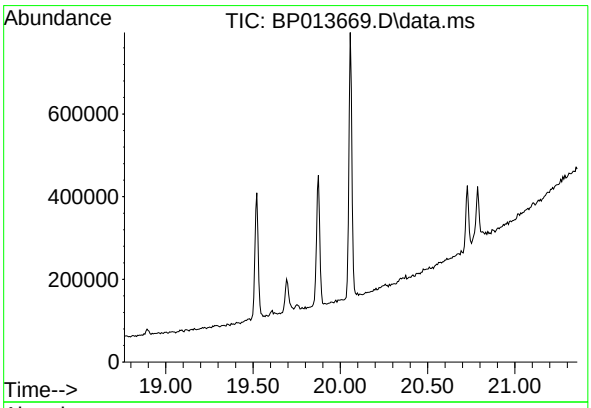
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.604 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP013669.D
Acq: 31 Jan 2023 11:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1282659

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.4	11.0
236	25.5	20.6	30.8



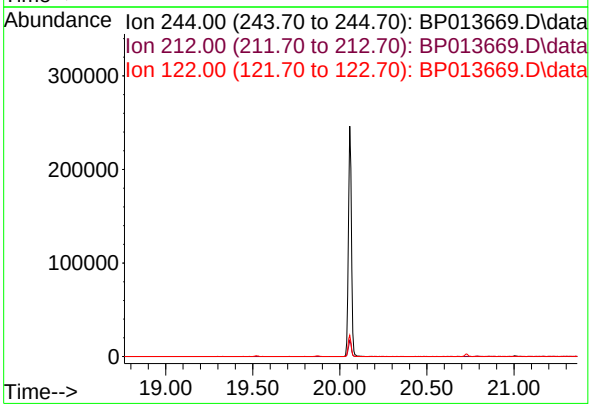


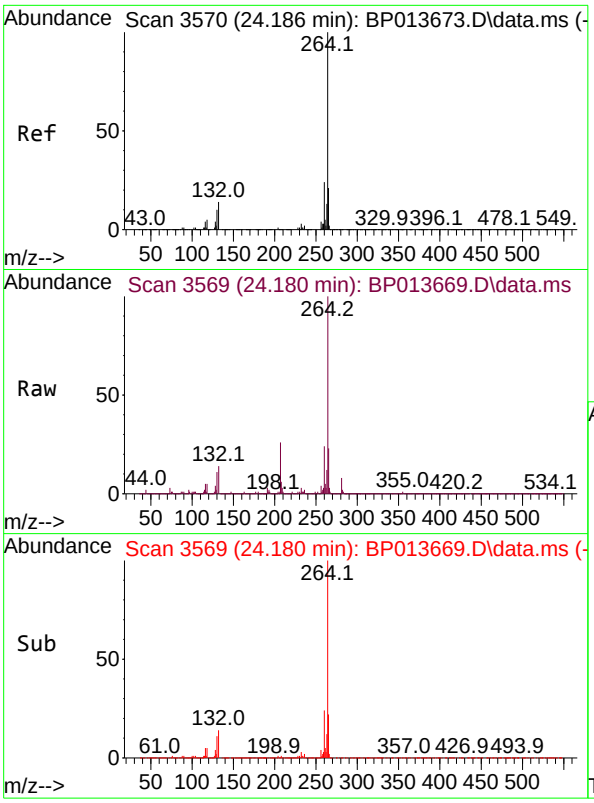
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 20.06 min

Lab File: BP013669.D
Acq: 31 Jan 2023 11:21

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.9
122	8.1



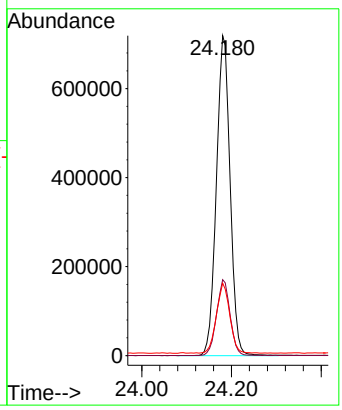


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.180 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP013669.D
Acq: 31 Jan 2023 11:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1531046

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	22.6	17.4	26.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013670.D
Acq On : 31 Jan 2023 11:55
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

Quant Time: Feb 01 03:00:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.140	152	207987	20.000	ng		0.00
21) Naphthalene-d8	10.969	136	798252	20.000	ng		0.00
39) Acenaphthene-d10	14.775	164	542433	20.000	ng		0.00
64) Phenanthrene-d10	17.528	188	1205705	20.000	ng		0.00
76) Chrysene-d12	21.604	240	1277234	20.000	ng		0.00
86) Perylene-d12	24.180	264	1456786	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.669	112	131596	10.816	ng		0.00
7) Phenol-d6	7.281	99	171411	10.575	ng		0.00
23) Nitrobenzene-d5	9.310	82	115739	8.434	ng		0.00
42) 2,4,6-Tribromophenol	16.263	330	73920	9.086	ng		0.00
45) 2-Fluorobiphenyl	13.398	172	399511	10.306	ng		0.00
79) Terphenyl-d14	20.057	244	670677	10.427	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.517	88	28079	5.455	ng		96
3) Pyridine	3.940	79	77265	5.302	ng		98
4) n-Nitrosodimethylamine	3.840	42	27257	5.129	ng	#	96
6) Aniline	7.457	93	106910	5.059	ng		98
8) 2-Chlorophenol	7.699	128	66717	5.209	ng		97
9) Benzaldehyde	7.269	77	59669	7.286	ng		95
10) Phenol	7.310	94	87572	5.172	ng		98
11) bis(2-Chloroethyl)ether	7.552	93	72208	5.338	ng		97
12) 1,3-Dichlorobenzene	8.028	146	78024	5.408	ng		99
13) 1,4-Dichlorobenzene	8.175	146	78176	5.355	ng		99
14) 1,2-Dichlorobenzene	8.499	146	75973	5.438	ng		99
15) Benzyl Alcohol	8.381	79	54828	4.777	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.675	45	84815m	5.348	ng		
17) 2-Methylphenol	8.581	107	59913	5.049	ng		99
18) Hexachloroethane	9.240	117	25208	5.236	ng		95
19) n-Nitroso-di-n-propyla...	8.946	70	51145	5.029	ng		96
20) 3+4-Methylphenols	8.904	107	79463	4.909	ng		98
22) Acetophenone	8.969	105	105769	5.081	ng	#	99
24) Nitrobenzene	9.357	77	66145	4.444	ng		93
25) Isophorone	9.881	82	148792	4.892	ng		99
26) 2-Nitrophenol	10.075	139	24227	3.889	ng		98
27) 2,4-Dimethylphenol	10.128	122	59159	4.638	ng		97
28) bis(2-Chloroethoxy)met...	10.363	93	92765	5.089	ng		99
29) 2,4-Dichlorophenol	10.610	162	63496	4.753	ng		95
30) 1,2,4-Trichlorobenzene	10.828	180	76166	5.138	ng		99
31) Naphthalene	11.022	128	218830	5.214	ng		99
33) 4-Chloroaniline	11.128	127	89719	4.865	ng		98
34) Hexachlorobutadiene	11.304	225	48262	5.129	ng		96
35) Caprolactam	11.887	113	20488	4.688	ng		98
36) 4-Chloro-3-methylphenol	12.228	107	65529	4.663	ng		99
37) 2-Methylnaphthalene	12.616	142	161261	5.110	ng		100
38) 1-Methylnaphthalene	12.834	142	151118	5.098	ng		100
40) 1,2,4,5-Tetrachloroben...	12.975	216	89371	4.826	ng		97
43) 2,4,6-Trichlorophenol	13.210	196	55406	4.544	ng		98
44) 2,4,5-Trichlorophenol	13.281	196	65138	4.562	ng		99
46) 1,1'-Biphenyl	13.610	154	209452	5.103	ng		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013670.D
Acq On : 31 Jan 2023 11:55
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

Quant Time: Feb 01 03:00:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	13.657	162	160131	5.047	ng		100
48) 2-Nitroaniline	13.857	65	22261	3.283	ng		88
49) Acenaphthylene	14.498	152	256574	5.014	ng		100
50) Dimethylphthalate	14.222	163	211344	5.037	ng		99
51) 2,6-Dinitrotoluene	14.345	165	22657	3.021	ng		95
52) Acenaphthene	14.839	154	166087	5.204	ng		98
53) 3-Nitroaniline	14.675	138	27731	3.391	ng	#	91
55) Dibenzofuran	15.175	168	265605	5.152	ng		99
57) 2,4-Dinitrotoluene	15.128	165	28996	2.947	ng		93
58) Fluorene	15.822	166	210106	5.191	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.398	232	58314	4.697	ng		98
60) Diethylphthalate	15.581	149	203304	5.055	ng		100
61) 4-Chlorophenyl-phenyle...	15.810	204	114498	5.195	ng		97
62) 4-Nitroaniline	15.834	138	26433	3.255	ng		92
63) Azobenzene	16.104	77	182224	4.904	ng		98
66) n-Nitrosodiphenylamine	16.022	169	180099	5.134	ng		100
67) 4-Bromophenyl-phenylether	16.710	248	67487	4.883	ng		96
68) Hexachlorobenzene	16.828	284	78217	5.111	ng		96
69) Atrazine	16.969	200	55318	4.846	ng		97
70) Pentachlorophenol	17.175	266	48770	4.320	ng		99
71) Phenanthrene	17.575	178	339181	5.248	ng		100
72) Anthracene	17.663	178	332123	5.090	ng		99
73) Carbazole	17.928	167	298527	5.039	ng		100
74) Di-n-butylphthalate	18.463	149	314543	4.852	ng		99
75) Fluoranthene	19.522	202	409271	5.087	ng		98
77) Benzidine	19.692	184	142498	5.165	ng		99
78) Pyrene	19.874	202	434700	5.059	ng		99
80) Butylbenzylphthalate	20.727	149	102627	4.375	ng		96
81) Benzo(a)anthracene	21.586	228	451451	5.089	ng		99
82) 3,3'-Dichlorobenzidine	21.510	252	127234	4.536	ng		100
83) Chrysene	21.645	228	437426	5.175	ng		99
84) Bis(2-ethylhexyl)phtha...	21.492	149	186542	4.670	ng		99
85) Di-n-octyl phthalate	22.474	149	341267	4.679	ng		99
87) Indeno(1,2,3-cd)pyrene	26.898	276	569018	5.136	ng		99
88) Benzo(b)fluoranthene	23.386	252	432355	4.938	ng		100
89) Benzo(k)fluoranthene	23.439	252	452753	5.163	ng		98
90) Benzo(a)pyrene	24.063	252	434872	5.004	ng		98
91) Dibenzo(a,h)anthracene	26.915	278	469988	5.111	ng		99
92) Benzo(g,h,i)perylene	27.733	276	472434	5.172	ng		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

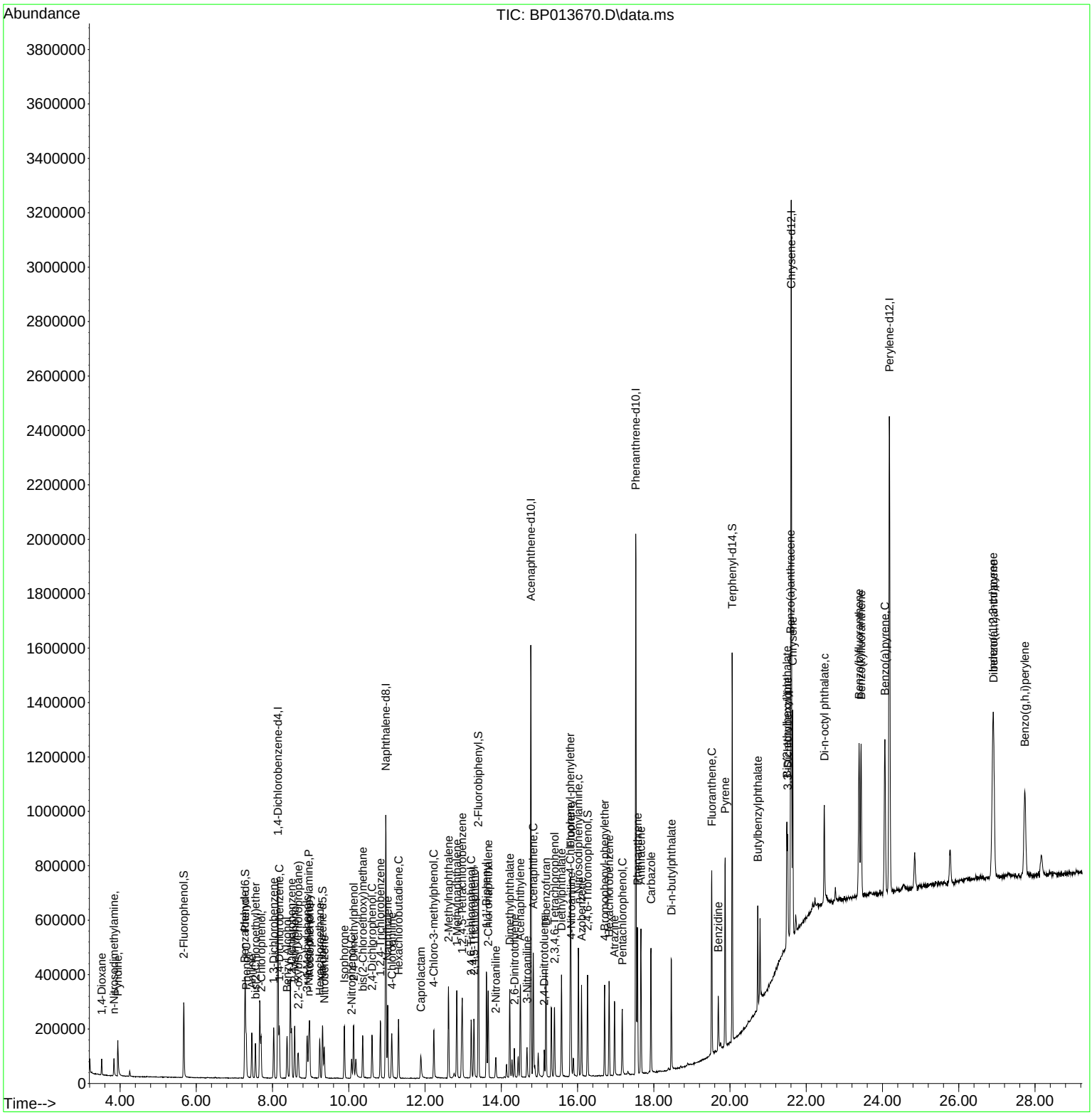
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013670.D
Acq On : 31 Jan 2023 11:55
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

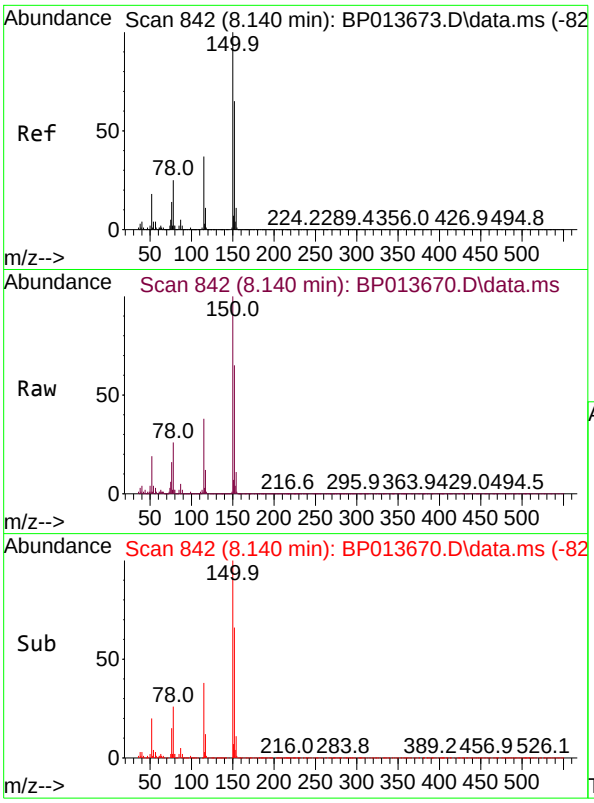
Quant Time: Feb 01 03:00:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

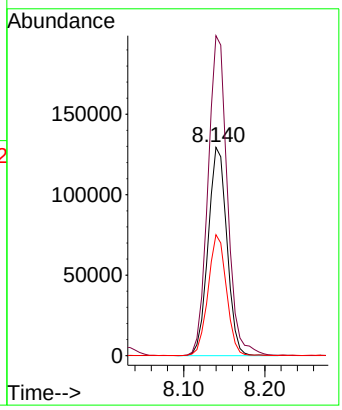




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.140 min Scan# 84
Delta R.T. -0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:152 Resp: 20798

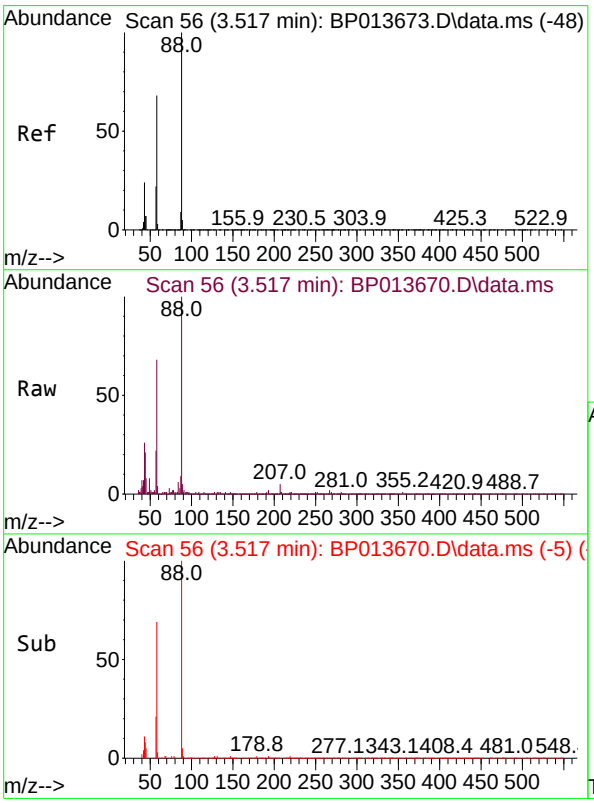
Ion	Ratio	Lower	Upper
152	100		
150	153.6	123.6	185.4
115	58.0	45.4	68.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

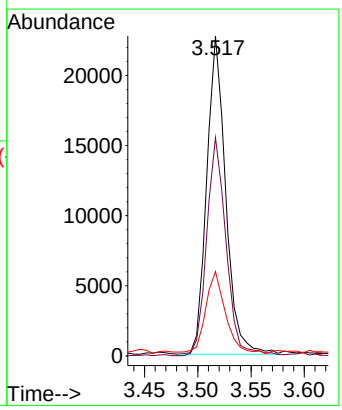
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

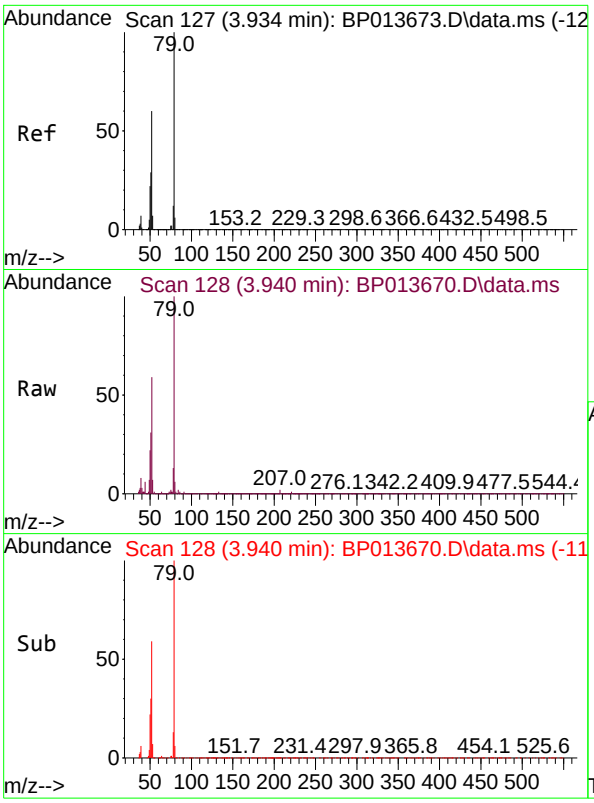


#2
1,4-Dioxane
Concen: 5.455 ng
RT: 3.517 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 88 Resp: 28079

Ion	Ratio	Lower	Upper
88	100		
58	70.0	53.8	80.8
43	27.0	19.8	29.6

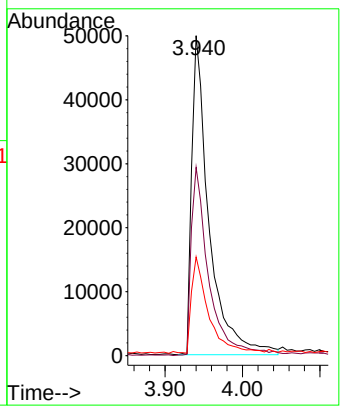




#3
Pyridine
Concen: 5.302 ng
RT: 3.940 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 79 Resp: 7726

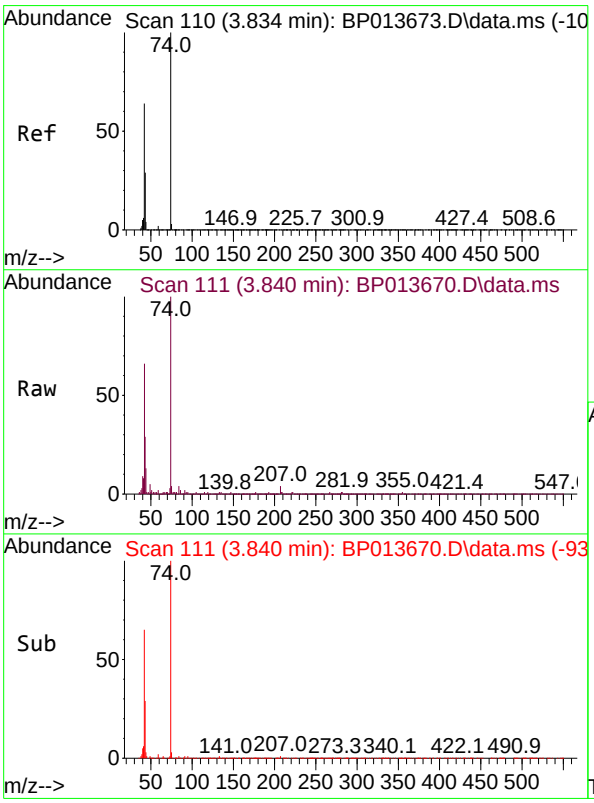
Ion	Ratio	Lower	Upper
79	100		
52	58.8	48.2	72.2
51	30.8	23.6	35.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

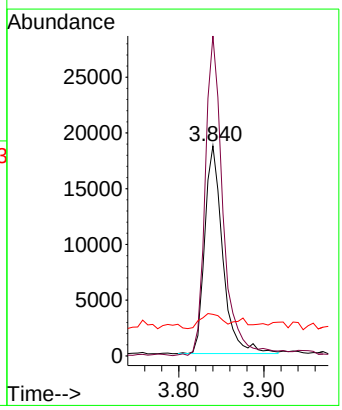
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

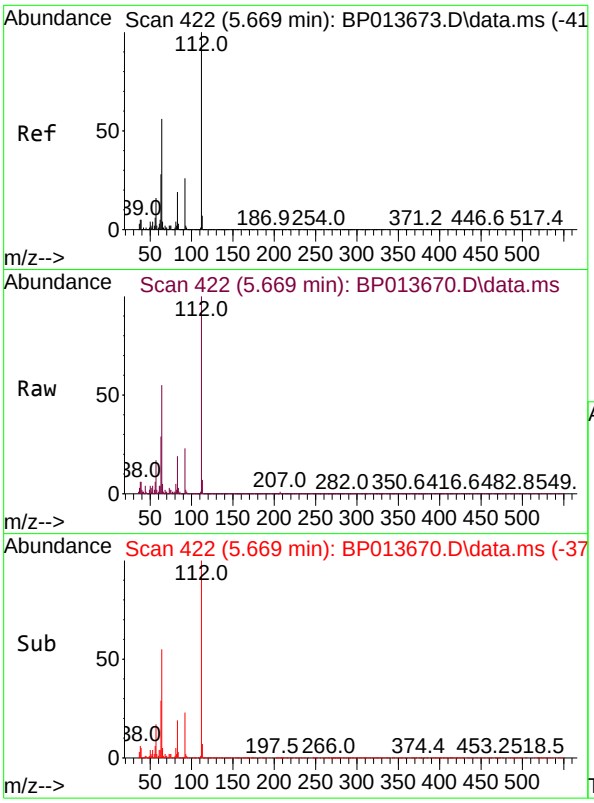


#4
n-Nitrosodimethylamine
Concen: 5.129 ng
RT: 3.840 min Scan# 111
Delta R.T. 0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 42 Resp: 27257

Ion	Ratio	Lower	Upper
42	100		
74	152.4	124.6	187.0
44	19.8	6.3	9.5#

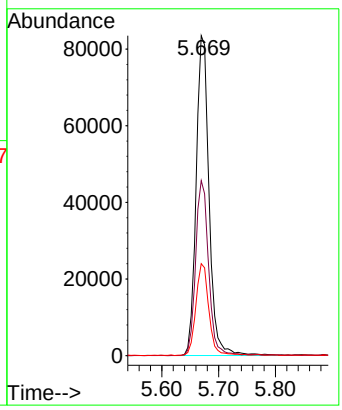




#5
2-Fluorophenol
Concen: 10.816 ng
RT: 5.669 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:112 Resp: 13159

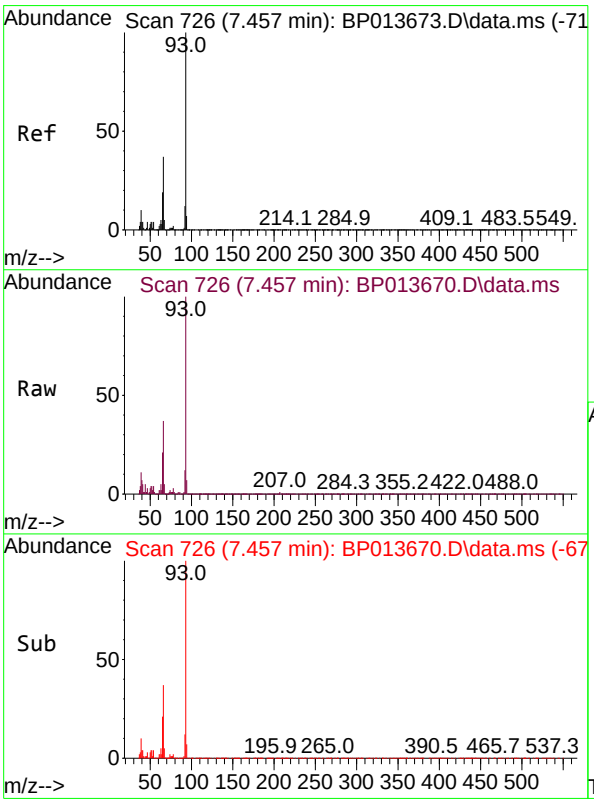
Ion	Ratio	Lower	Upper
112	100		
64	54.7	44.6	67.0
63	28.7	22.6	34.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

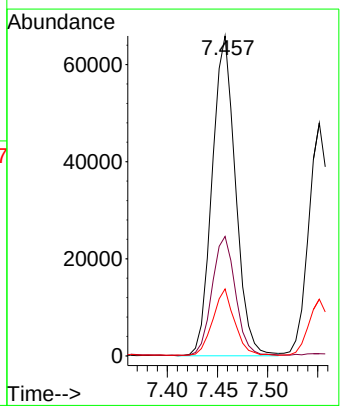
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

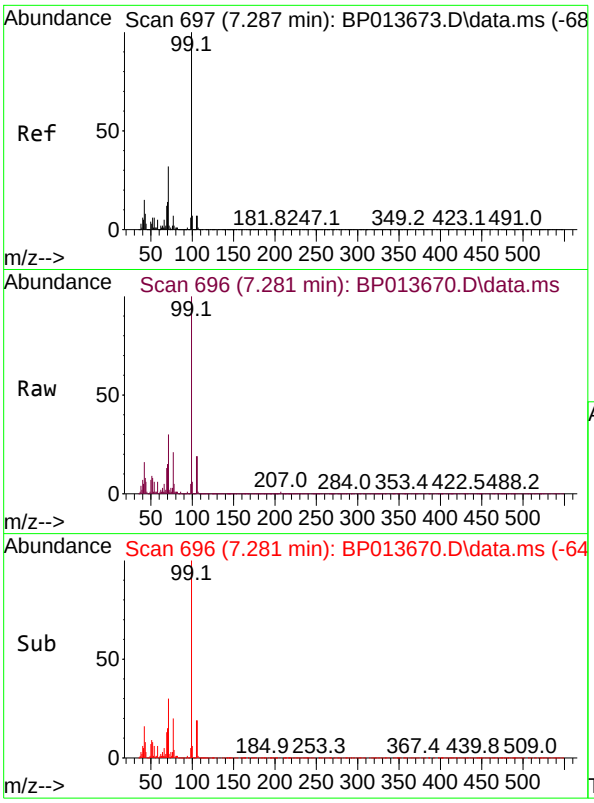


#6
Aniline
Concen: 5.059 ng
RT: 7.457 min Scan# 726
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 93 Resp: 106910

Ion	Ratio	Lower	Upper
93	100		
66	37.3	29.3	43.9
65	20.9	15.1	22.7

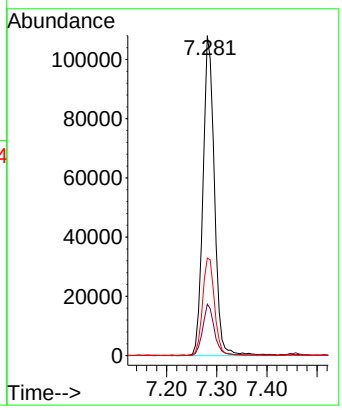




#7
Phenol-d6
Concen: 10.575 ng
RT: 7.281 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 99 Resp: 17141

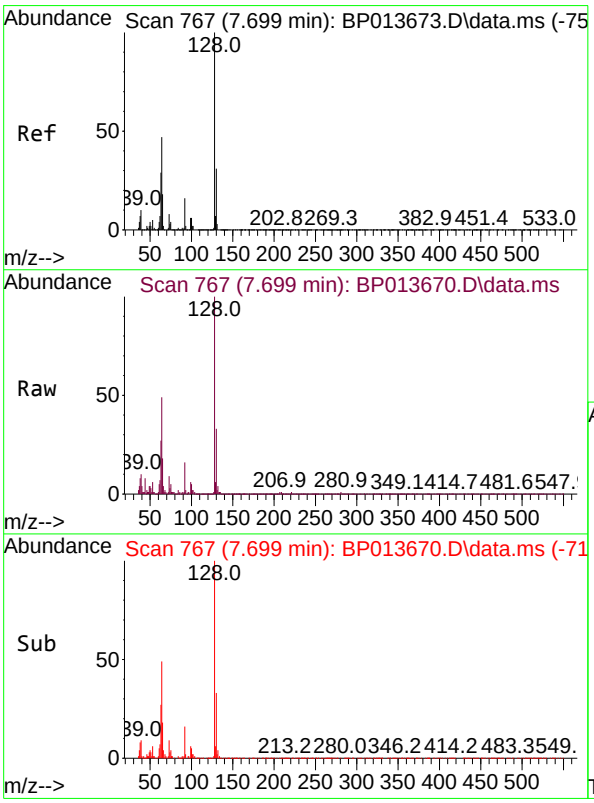
Ion	Ratio	Lower	Upper
99	100		
42	16.1	11.8	17.6
71	30.5	25.6	38.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

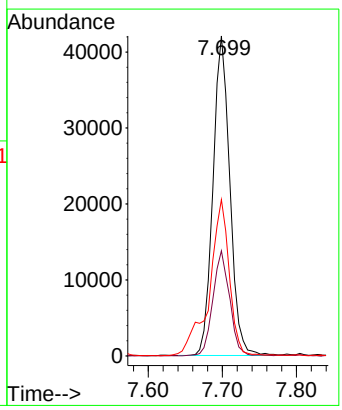
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

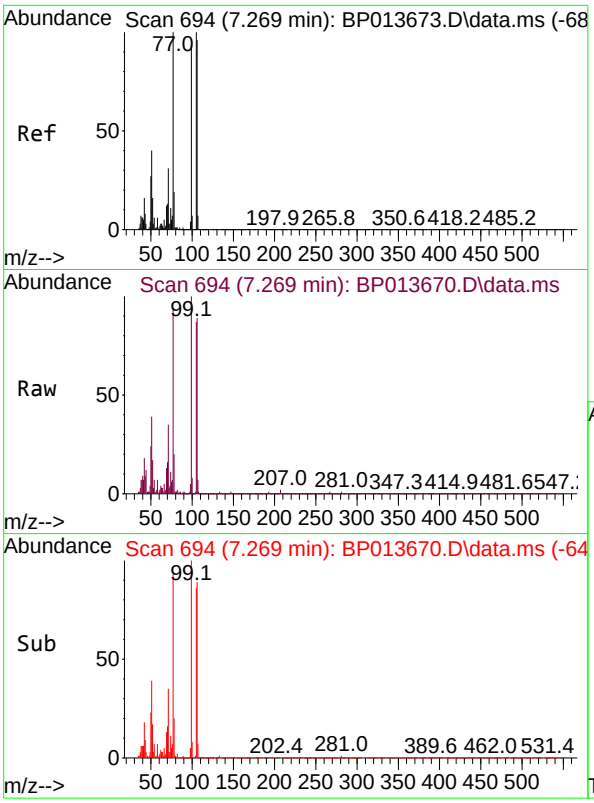


#8
2-Chlorophenol
Concen: 5.209 ng
RT: 7.699 min Scan# 767
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:128 Resp: 66717

Ion	Ratio	Lower	Upper
128	100		
130	32.8	10.8	50.8
64	48.8	26.9	66.9

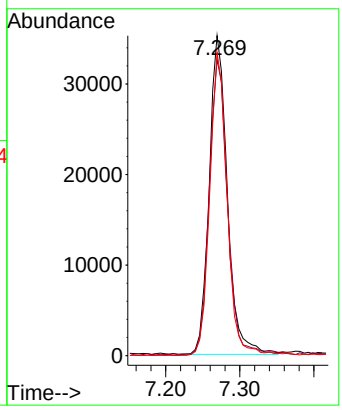




#9
Benzaldehyde
Concen: 7.286 ng
RT: 7.269 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 77 Resp: 5966

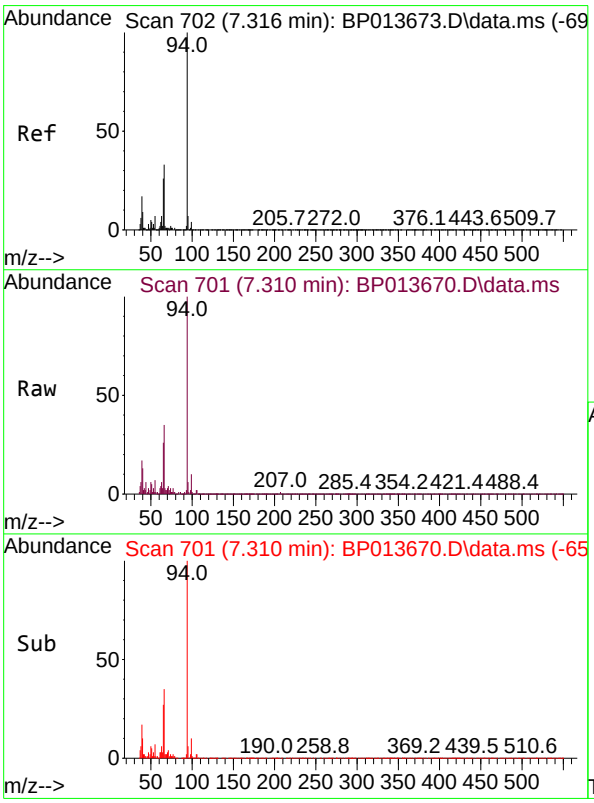
Ion	Ratio	Lower	Upper
77	100		
105	92.5	80.4	120.4
106	94.7	76.7	116.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

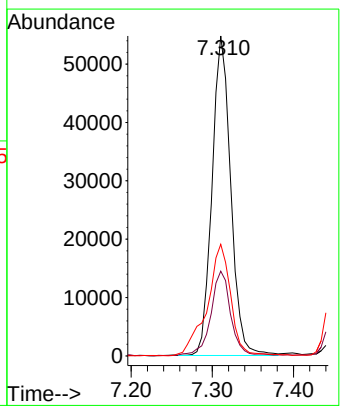
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

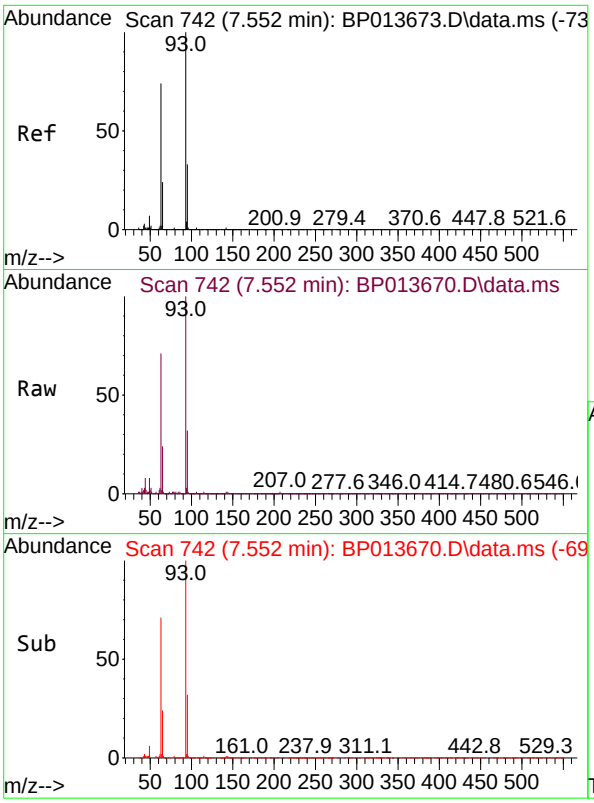


#10
Phenol
Concen: 5.172 ng
RT: 7.310 min Scan# 701
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 94 Resp: 87572

Ion	Ratio	Lower	Upper
94	100		
65	26.5	6.0	46.0
66	34.9	13.1	53.1

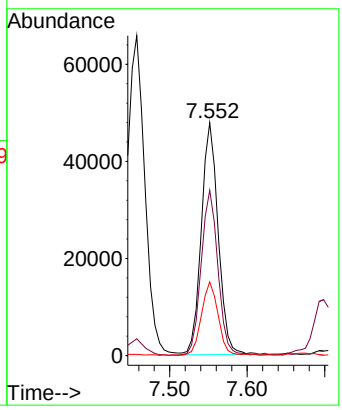




#11
bis(2-Chloroethyl)ether
Concen: 5.338 ng
RT: 7.552 min Scan# 74
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 93 Resp: 7220

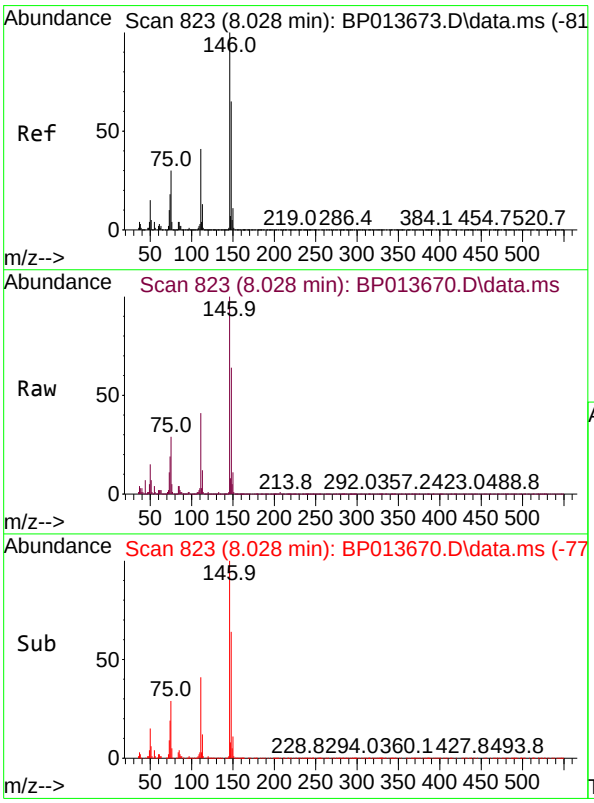
Ion	Ratio	Lower	Upper
93	100		
63	71.0	53.7	93.7
95	31.7	12.4	52.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

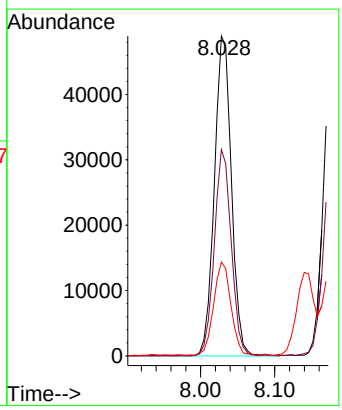
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

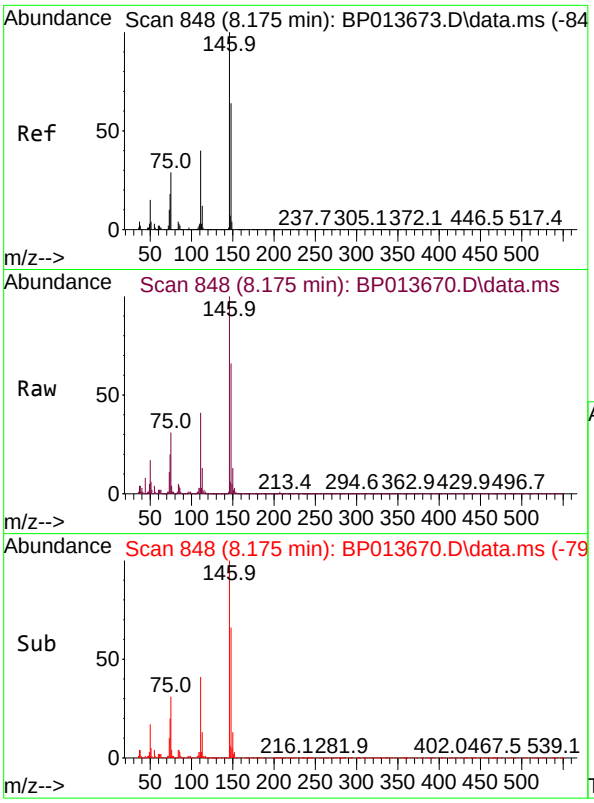


#12
1,3-Dichlorobenzene
Concen: 5.408 ng
RT: 8.028 min Scan# 823
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:146 Resp: 78024

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.9	77.9
75	29.3	24.0	36.0





#13
1,4-Dichlorobenzene
Concen: 5.355 ng
RT: 8.175 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

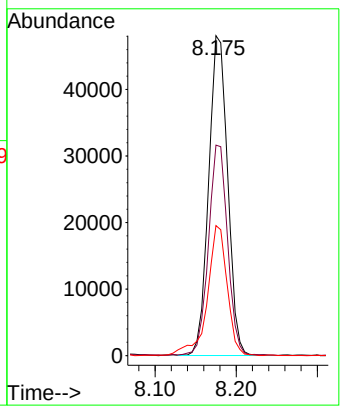
Tgt Ion:146 Resp: 7817

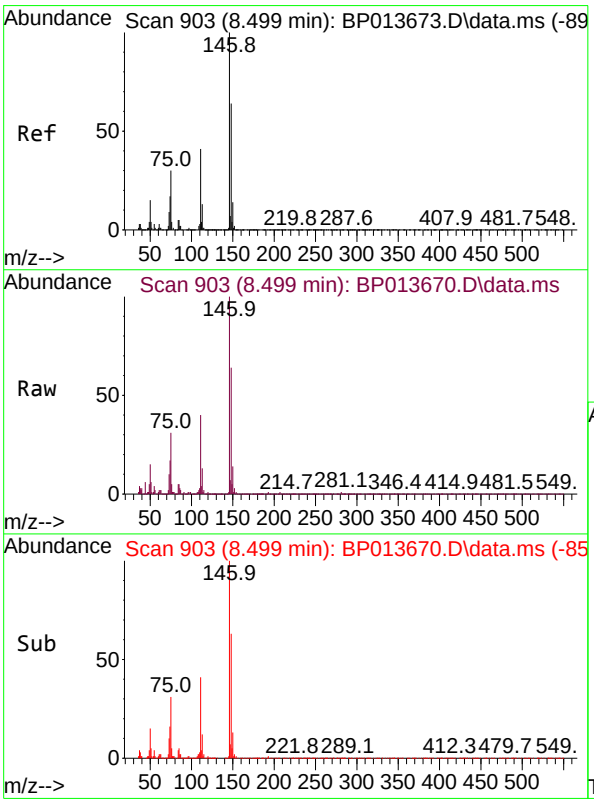
Ion	Ratio	Lower	Upper
146	100		
148	65.8	51.5	77.3
111	40.6	32.0	48.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

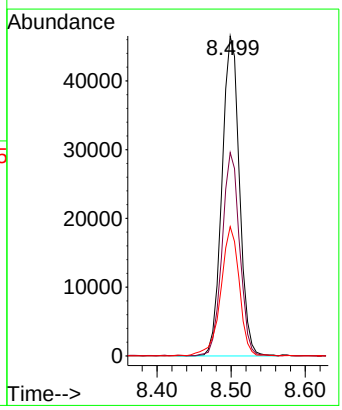


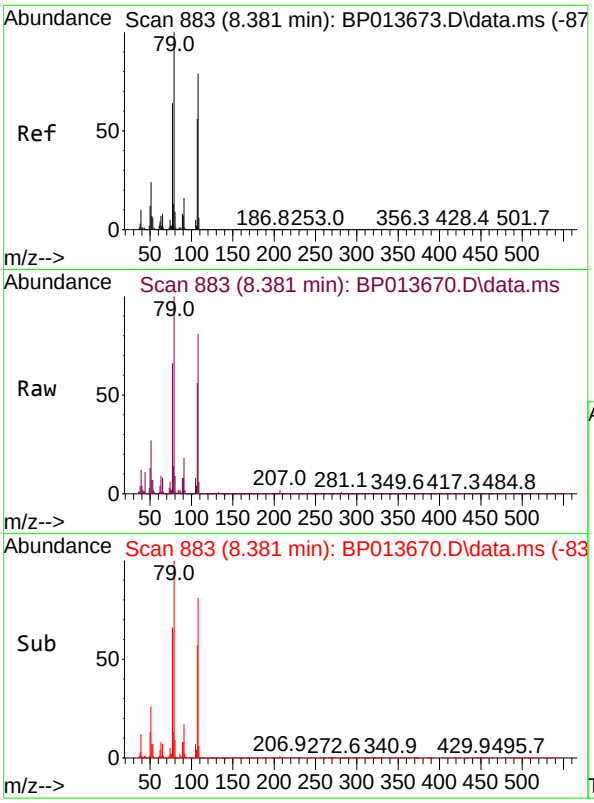


#14
1,2-Dichlorobenzene
Concen: 5.438 ng
RT: 8.499 min Scan# 903
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:146 Resp: 75973

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.3	76.9
111	40.4	32.8	49.2

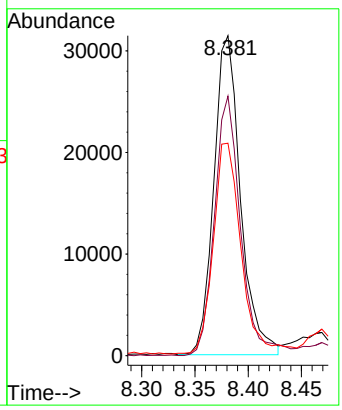




#15
Benzyl Alcohol
Concen: 4.777 ng
RT: 8.381 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 79 Resp: 5482

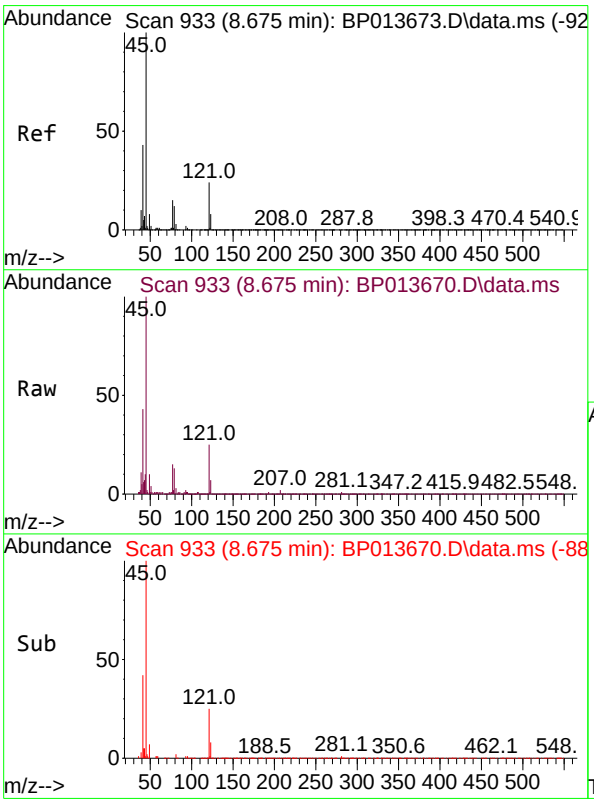
Ion	Ratio	Lower	Upper
79	100		
108	81.1	62.9	94.3
77	66.4	51.1	76.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

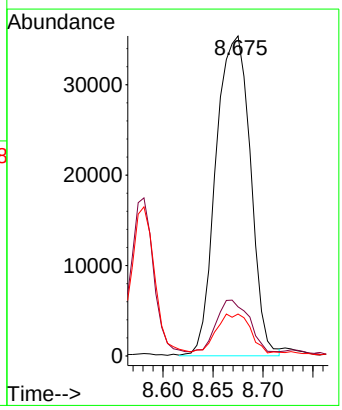
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

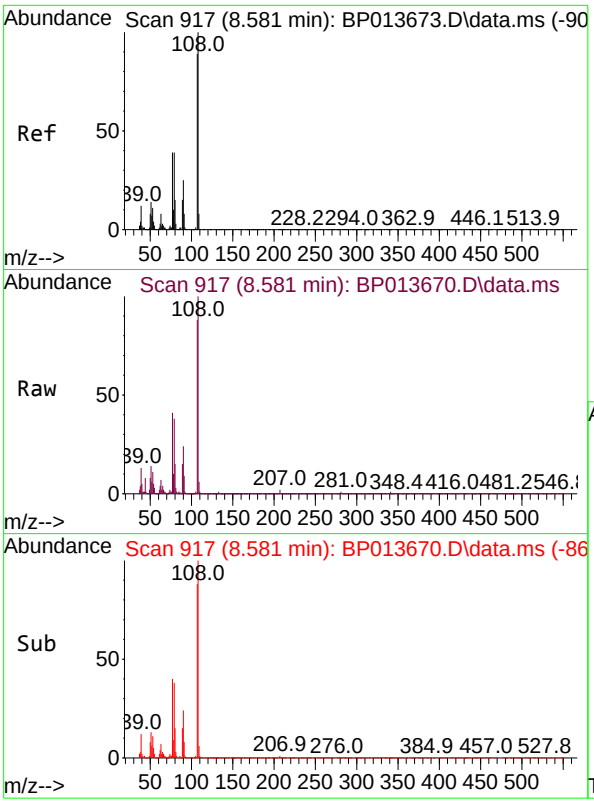


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.348 ng m
RT: 8.675 min Scan# 933
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 45 Resp: 84815

Ion	Ratio	Lower	Upper
45	100		
77	15.4	0.0	36.4
79	13.1	0.0	33.4

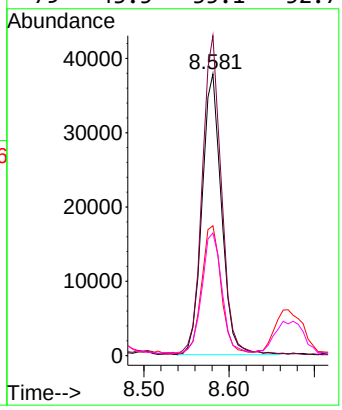




#17
2-Methylphenol
Concen: 5.049 ng
RT: 8.581 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:107 Resp: 5991

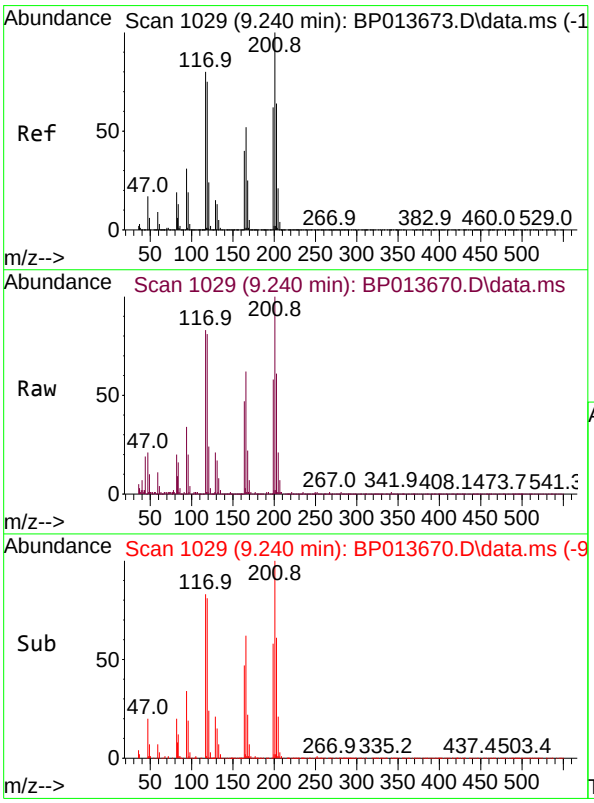
Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.0	135.0
77	46.1	35.7	53.5
79	43.5	35.1	52.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

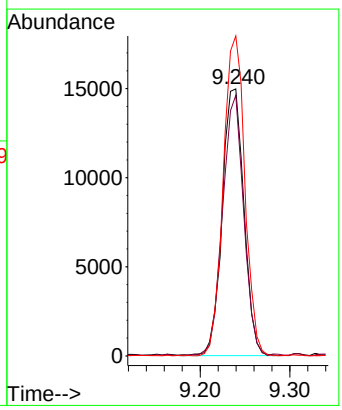
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

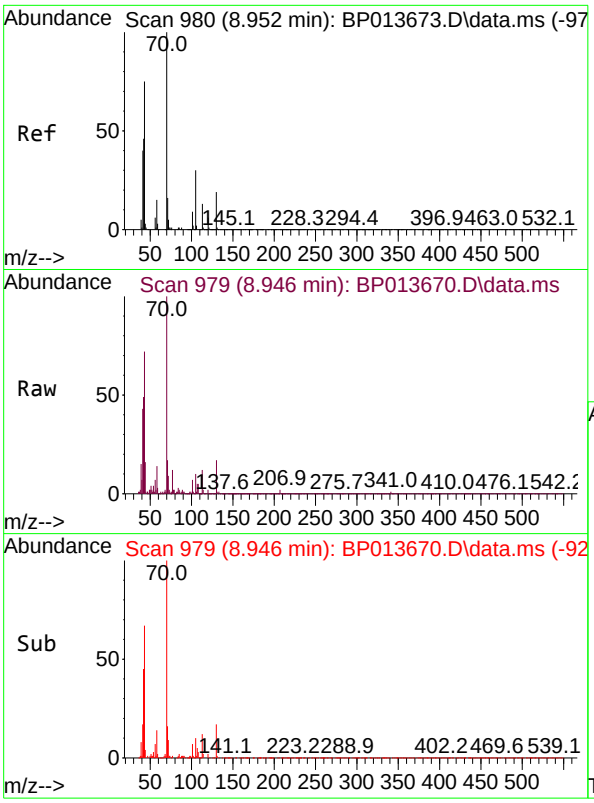


#18
Hexachloroethane
Concen: 5.236 ng
RT: 9.240 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:117 Resp: 25208

Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.0	112.4
201	119.9	100.4	150.6

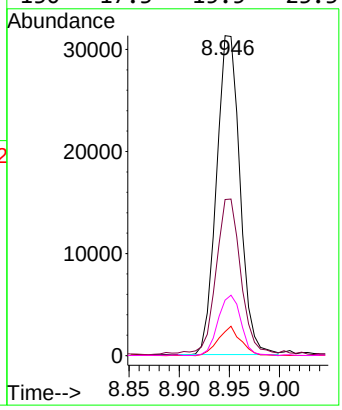




#19
n-Nitroso-di-n-propylamine
Concen: 5.029 ng
RT: 8.946 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 70 Resp: 5114

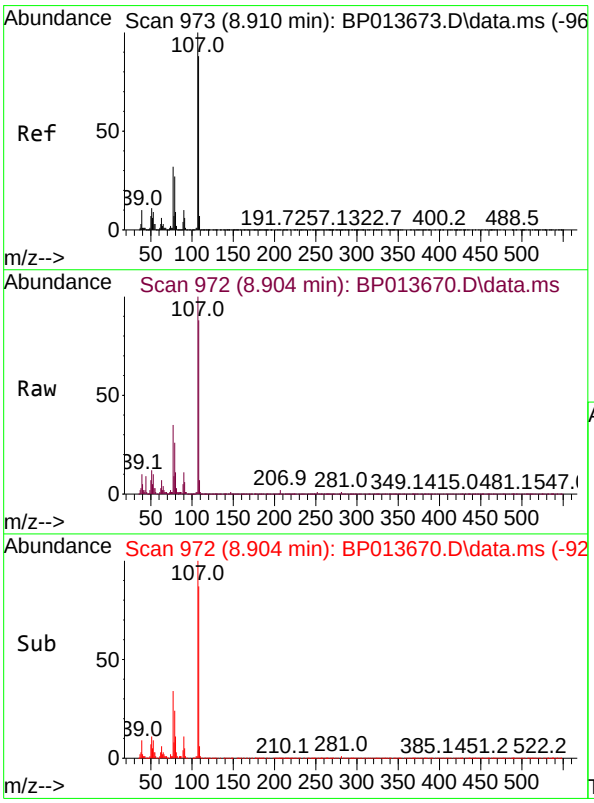
Ion	Ratio	Lower	Upper
70	100		
42	48.8	37.2	55.8
101	7.5	7.4	11.2
130	17.3	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

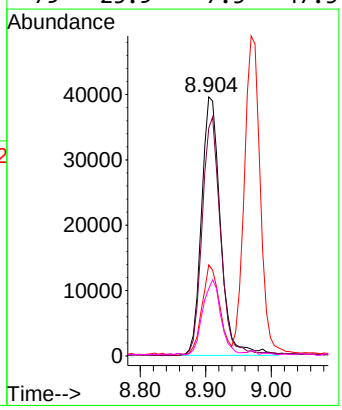
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

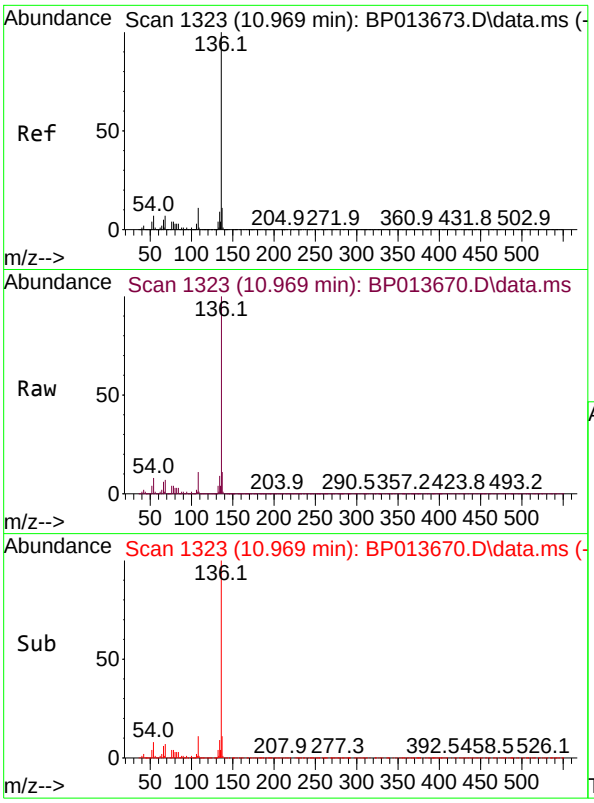


#20
3+4-Methylphenols
Concen: 4.909 ng
RT: 8.904 min Scan# 972
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:107 Resp: 79463

Ion	Ratio	Lower	Upper
107	100		
108	87.9	67.7	107.7
77	35.1	12.0	52.0
79	25.9	7.5	47.5

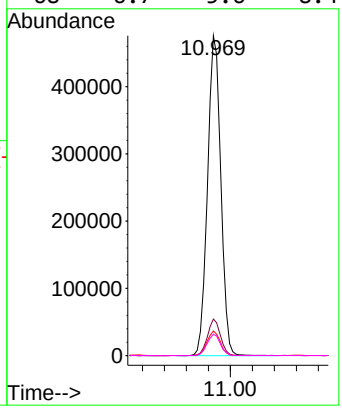




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:136 Resp: 79825

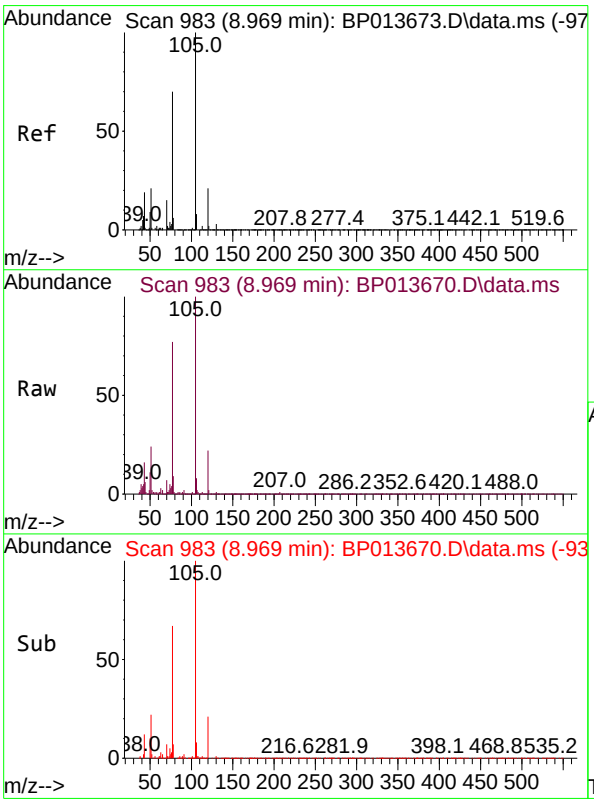
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	7.7	6.0	9.0
68	6.7	5.6	8.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

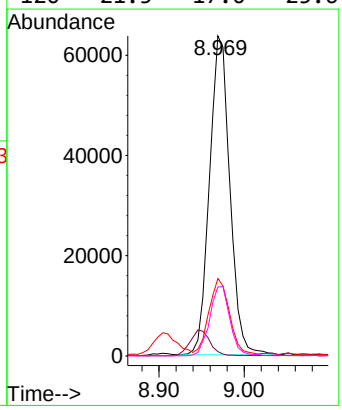
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

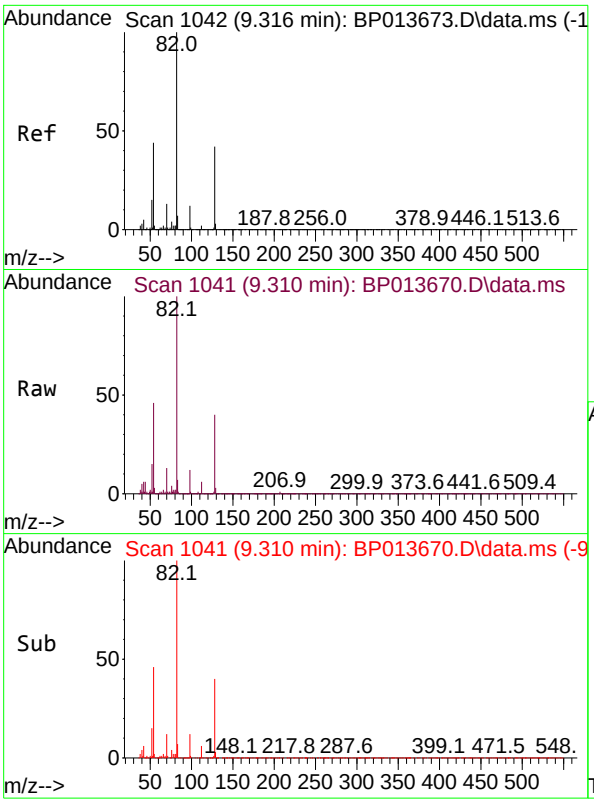


#22
Acetophenone
Concen: 5.081 ng
RT: 8.969 min Scan# 983
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:105 Resp: 105769

Ion	Ratio	Lower	Upper
105	100		
71	1.3	2.2	3.2#
51	24.2	18.6	27.8
120	21.5	17.0	25.6

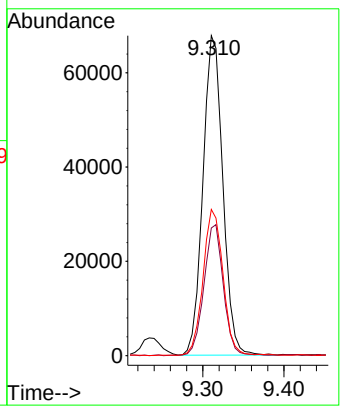




#23
Nitrobenzene-d5
Concen: 8.434 ng
RT: 9.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 82 Resp: 11573

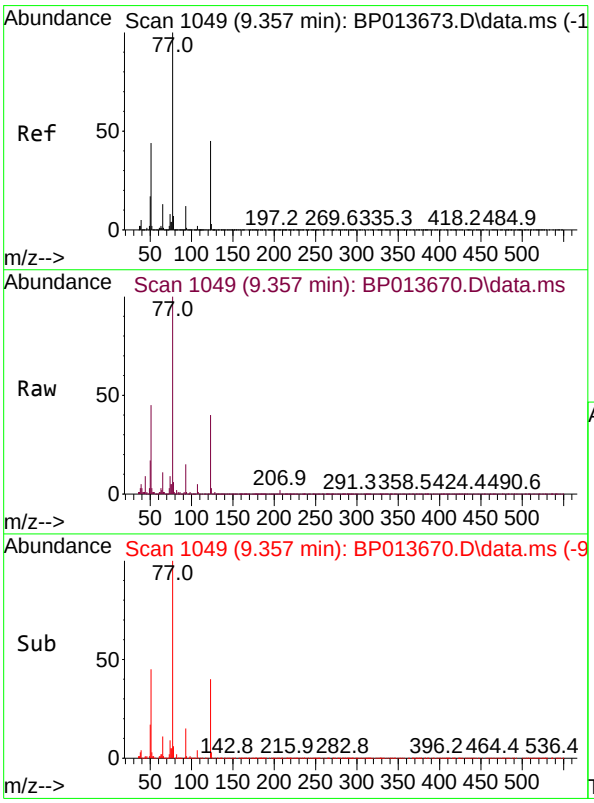
Ion	Ratio	Lower	Upper
82	100		
128	39.9	33.4	50.0
54	45.7	35.4	53.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

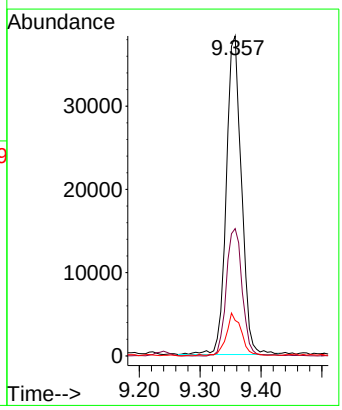
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

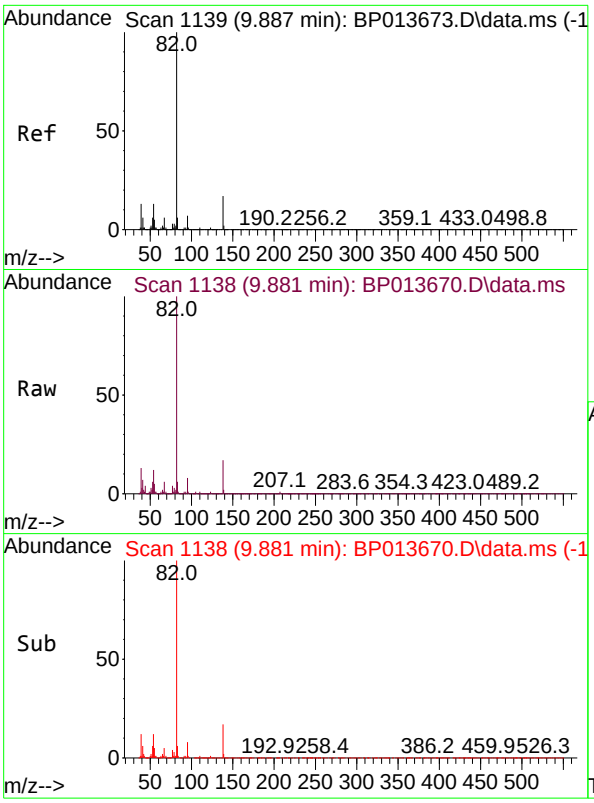


#24
Nitrobenzene
Concen: 4.444 ng
RT: 9.357 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 77 Resp: 66145

Ion	Ratio	Lower	Upper
77	100		
123	39.8	35.9	53.9
65	11.1	10.2	15.4





#25
Isophorone
Concen: 4.892 ng
RT: 9.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

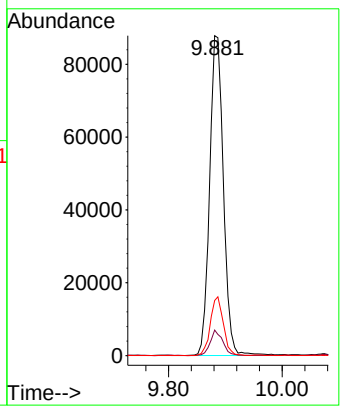
Tgt Ion: 82 Resp: 14879

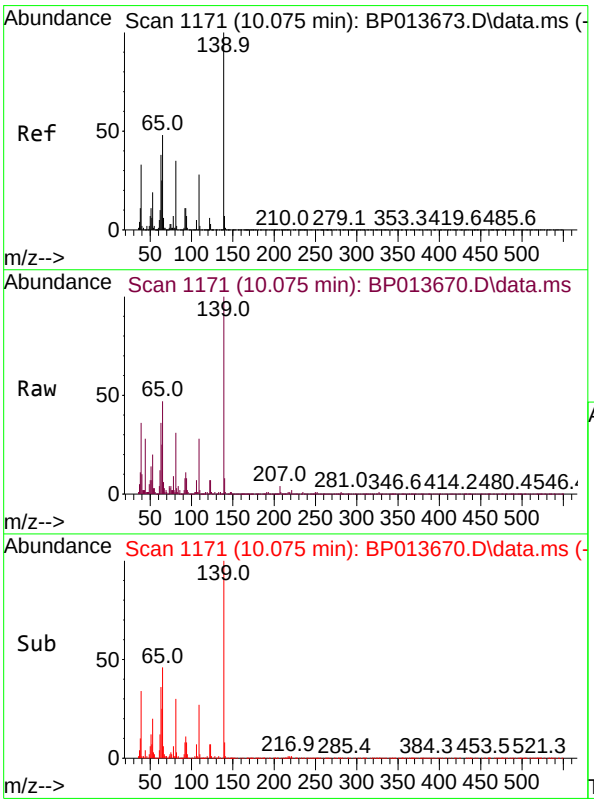
Ion	Ratio	Lower	Upper
82	100		
95	8.0	5.4	8.2
138	17.3	13.9	20.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

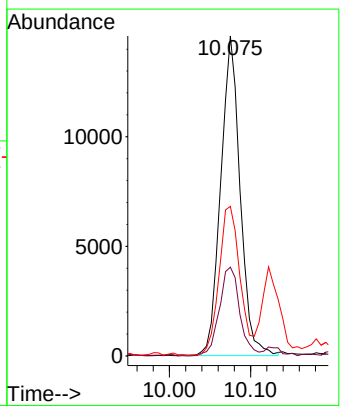


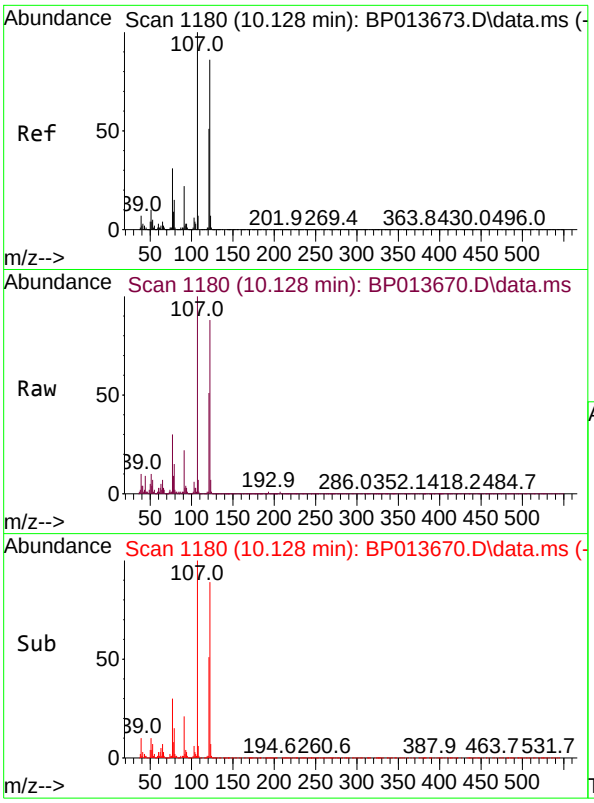


#26
2-Nitrophenol
Concen: 3.889 ng
RT: 10.075 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:139 Resp: 24227

Ion	Ratio	Lower	Upper
139	100		
109	27.7	22.7	34.1
65	46.7	38.8	58.2

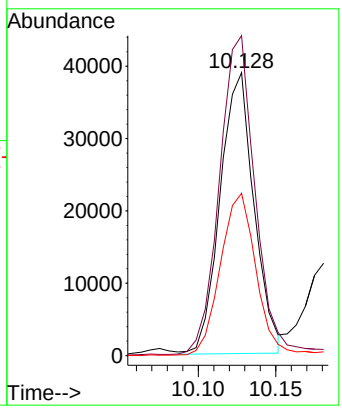




#27
2,4-Dimethylphenol
Concen: 4.638 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:122 Resp: 5915

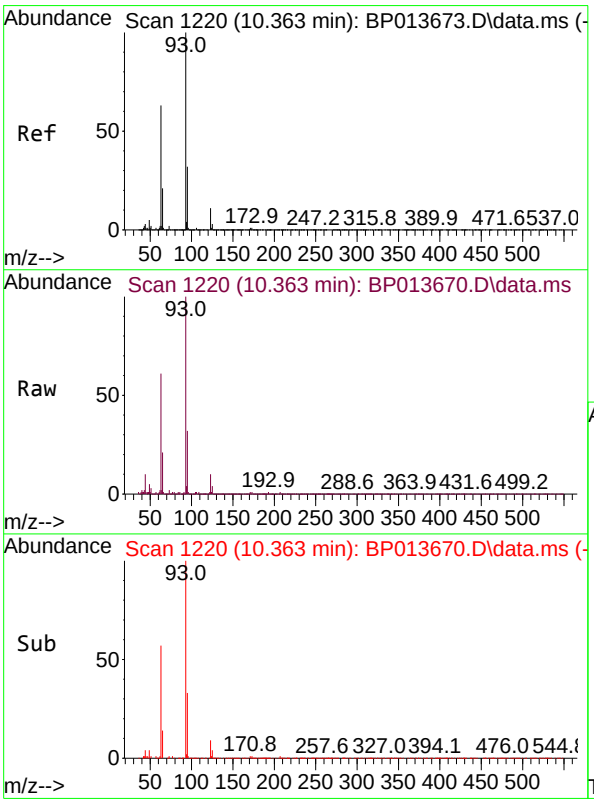
Ion	Ratio	Lower	Upper
122	100		
107	113.1	93.0	139.6
121	57.4	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

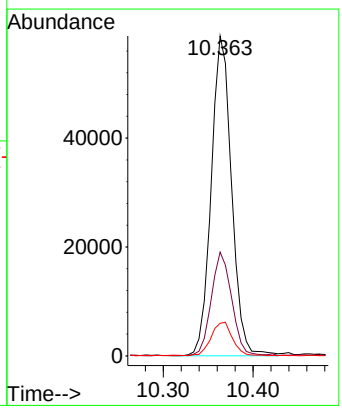
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

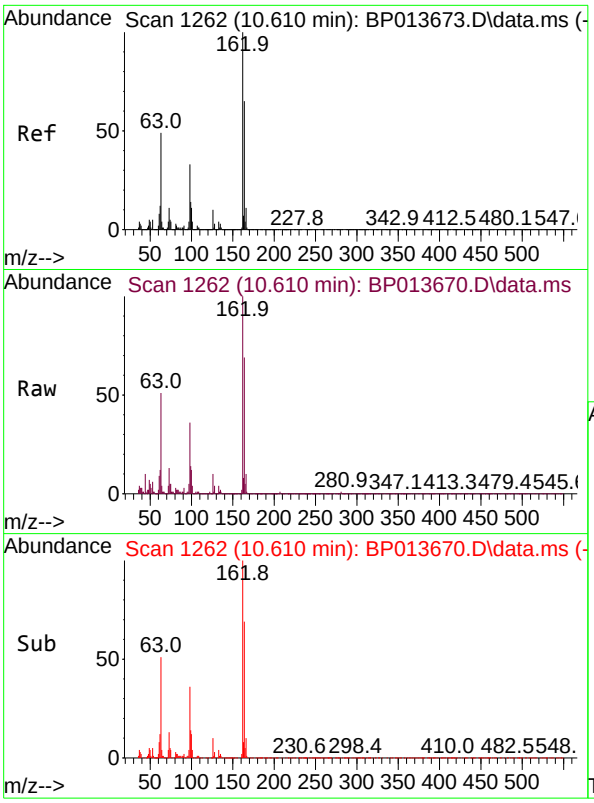


#28
bis(2-Chloroethoxy)methane
Concen: 5.089 ng
RT: 10.363 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 93 Resp: 92765

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.0	39.0
123	10.2	8.7	13.1

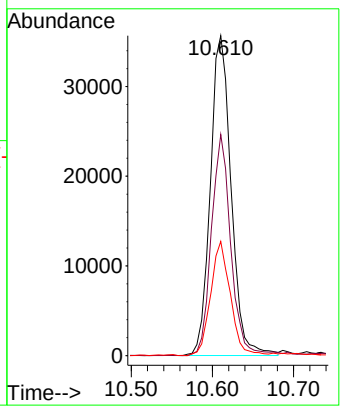




#29
2,4-Dichlorophenol
Concen: 4.753 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:162 Resp: 6349

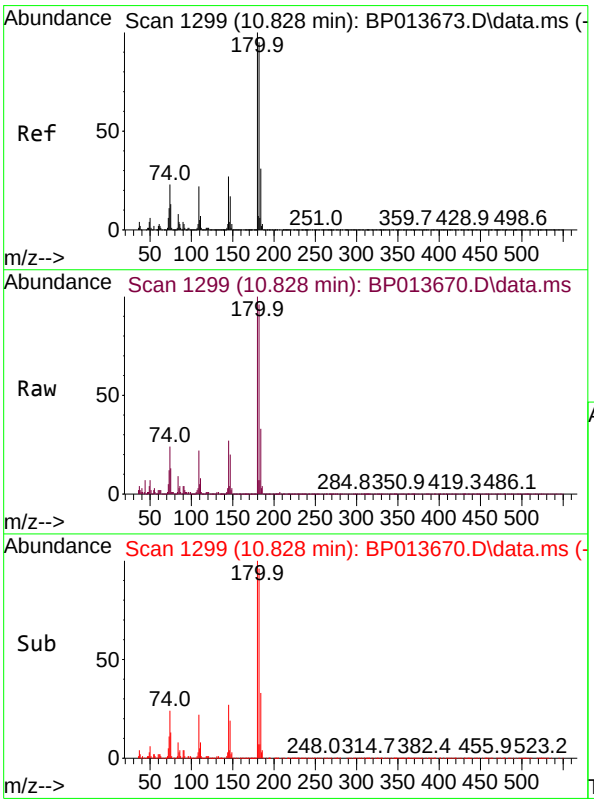
Ion	Ratio	Lower	Upper
162	100		
164	69.1	44.8	84.8
98	35.7	13.4	53.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

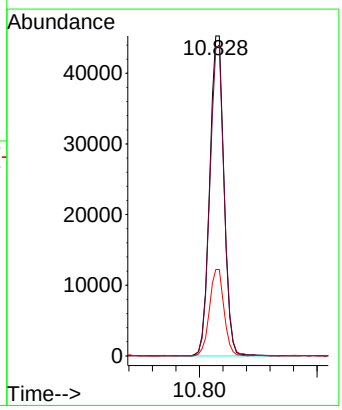
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

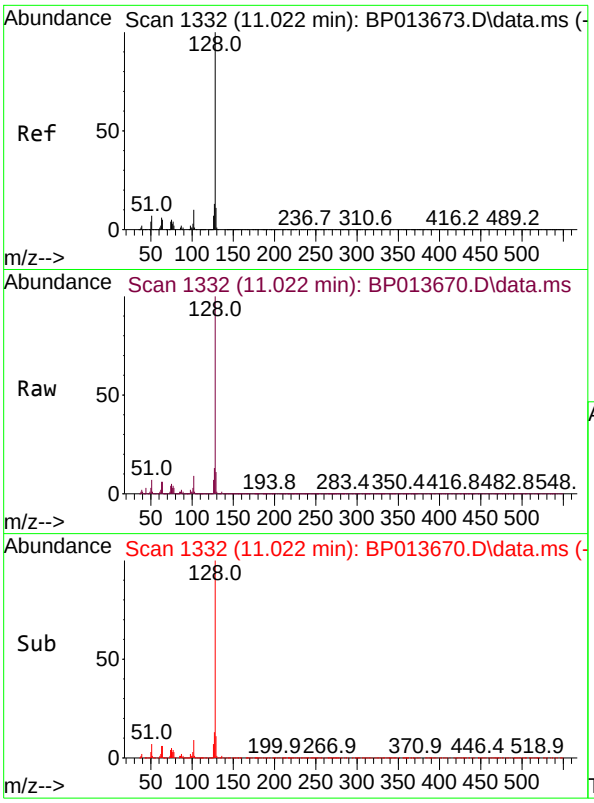


#30
1,2,4-Trichlorobenzene
Concen: 5.138 ng
RT: 10.828 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:180 Resp: 76166

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.4	114.6
145	27.0	21.9	32.9

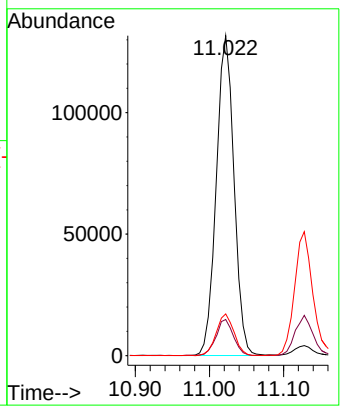




#31
Naphthalene
Concen: 5.214 ng
RT: 11.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:128 Resp: 21883

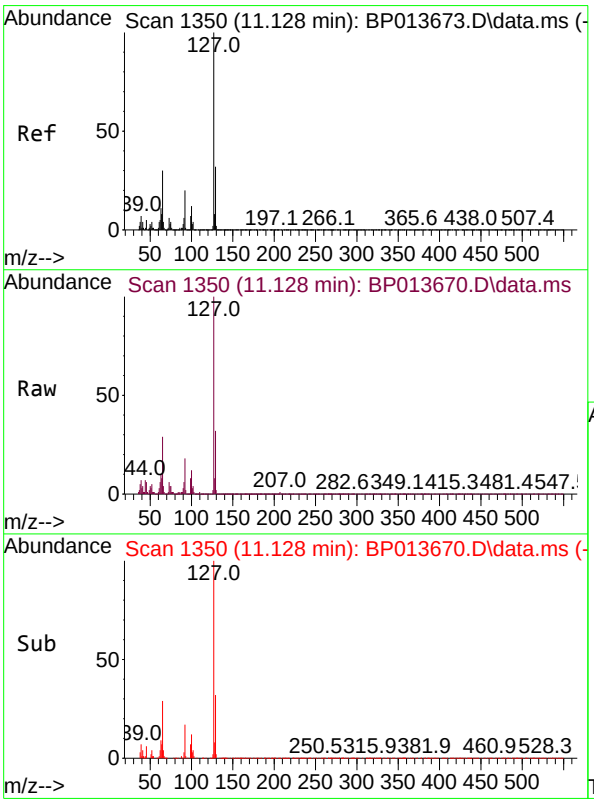
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	13.0	10.5	15.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

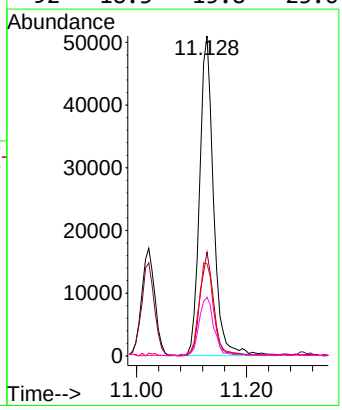
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

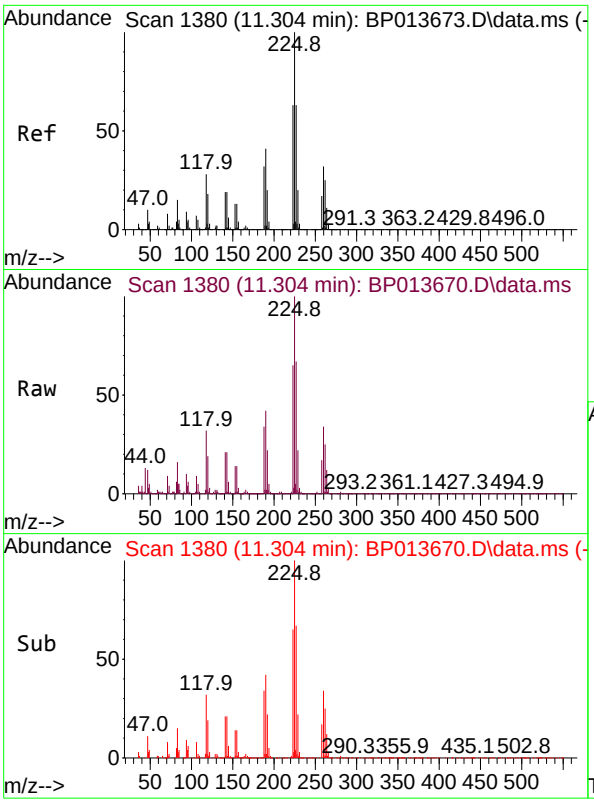


#33
4-Chloroaniline
Concen: 4.865 ng
RT: 11.128 min Scan# 1350
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:127 Resp: 89719

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.3	37.9
65	28.8	23.8	35.8
92	18.3	15.8	23.6

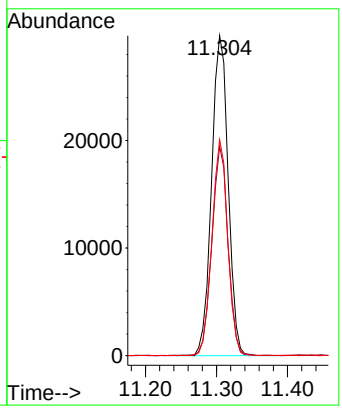




#34
Hexachlorobutadiene
Concen: 5.129 ng
RT: 11.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:225 Resp: 4826

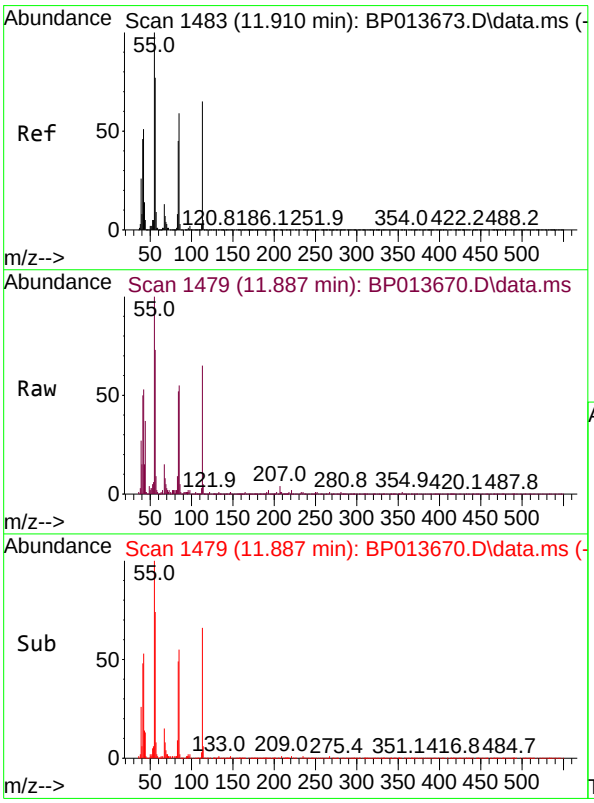
Ion	Ratio	Lower	Upper
225	100		
223	65.4	50.5	75.7
227	67.5	50.6	75.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

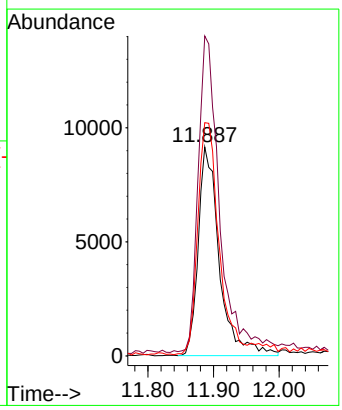
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

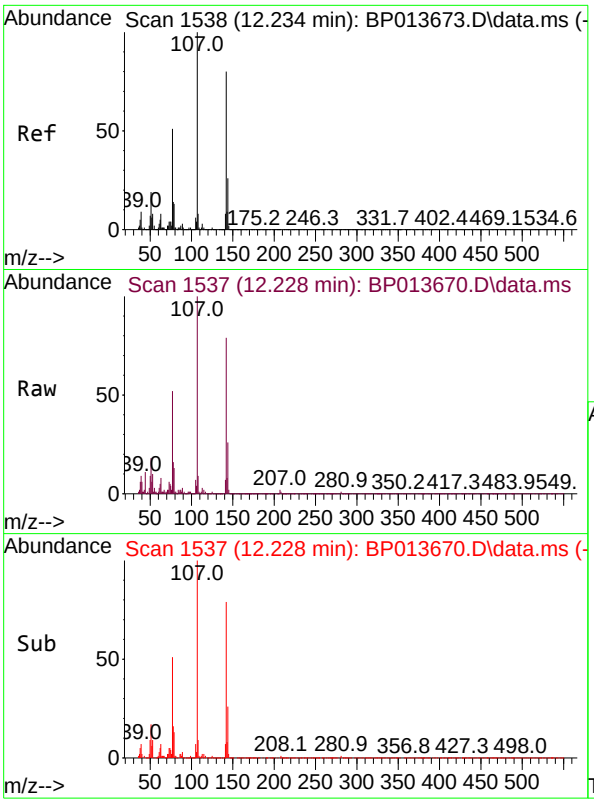


#35
Caprolactam
Concen: 4.688 ng
RT: 11.887 min Scan# 1479
Delta R.T. -0.024 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:113 Resp: 20488

Ion	Ratio	Lower	Upper
113	100		
55	153.2	133.0	173.0
56	111.6	97.4	137.4

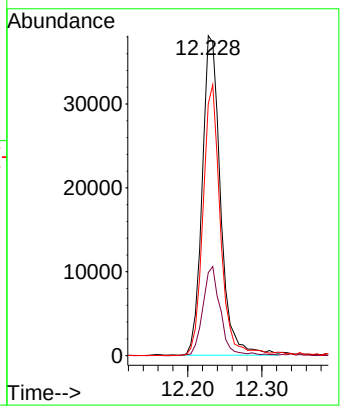




#36
4-Chloro-3-methylphenol
Concen: 4.663 ng
RT: 12.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:107 Resp: 6552

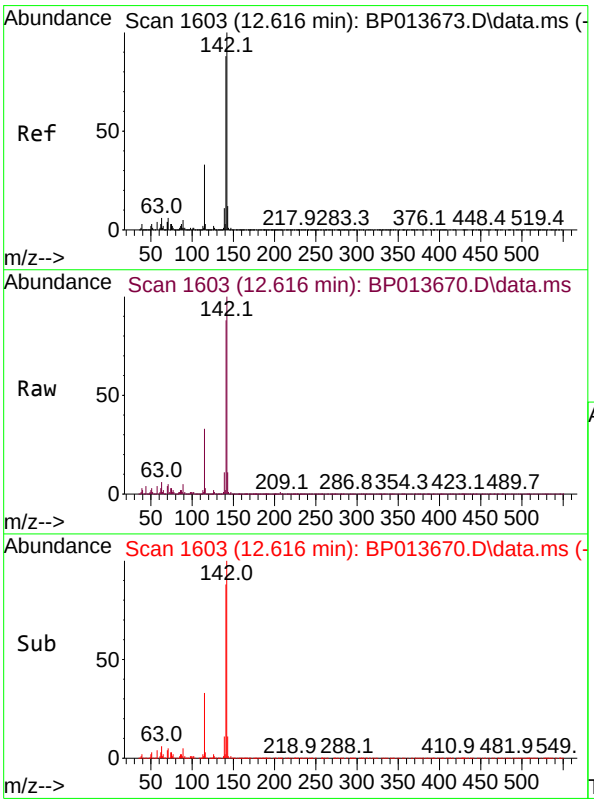
Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.8	31.2
142	78.7	64.0	96.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

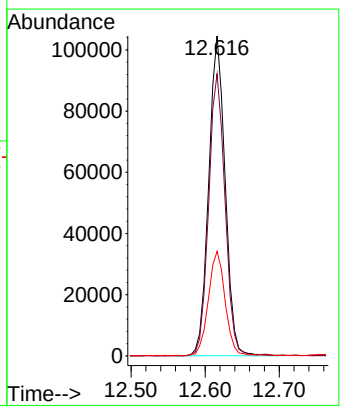
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

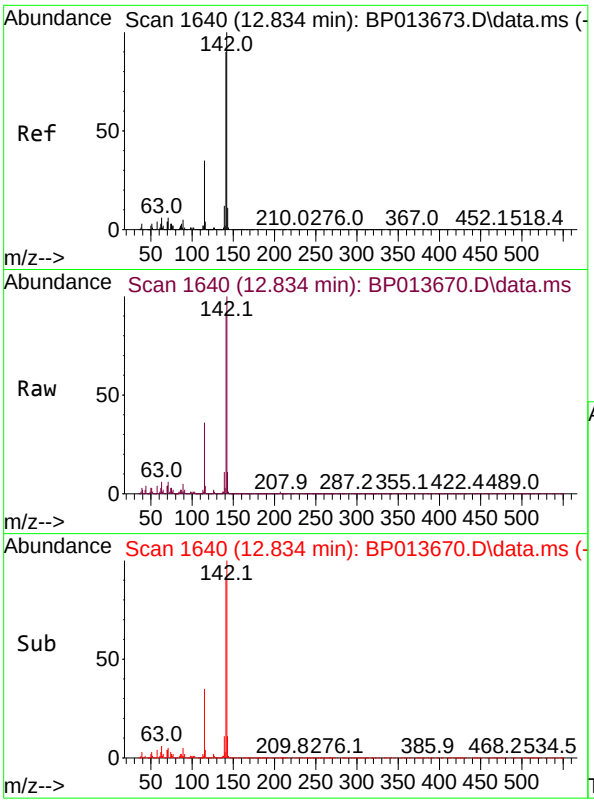


#37
2-Methylnaphthalene
Concen: 5.110 ng
RT: 12.616 min Scan# 1603
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:142 Resp: 161261

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5
115	32.7	26.4	39.6

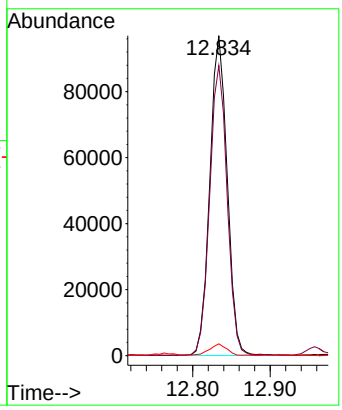




#38
1-Methylnaphthalene
Concen: 5.098 ng
RT: 12.834 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:142 Resp: 151118

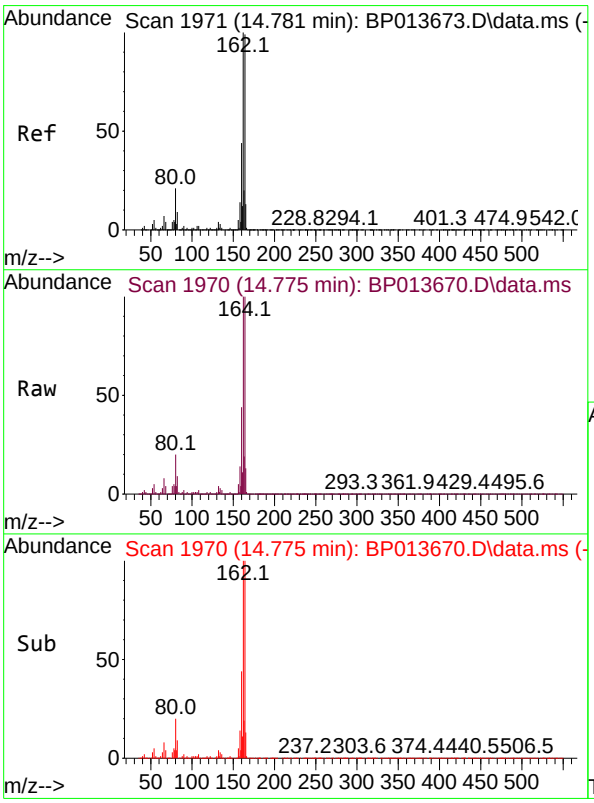
Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.2	108.4
116	3.7	3.0	4.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

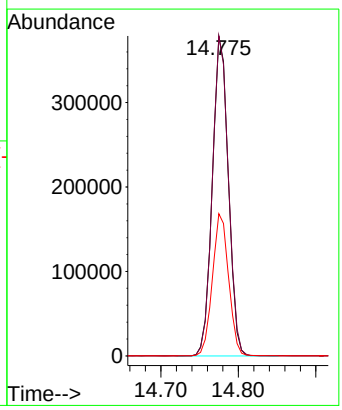
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

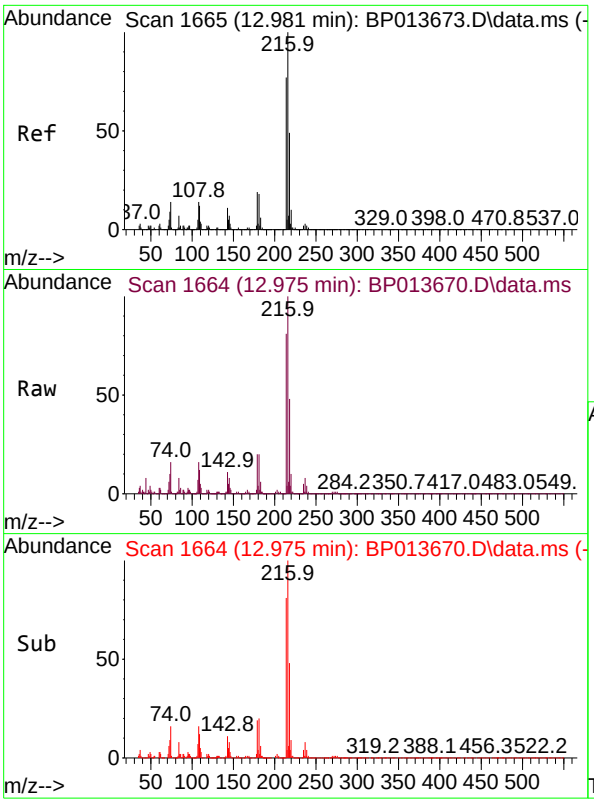


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.775 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:164 Resp: 542433

Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.8	121.2
160	44.5	35.6	53.4

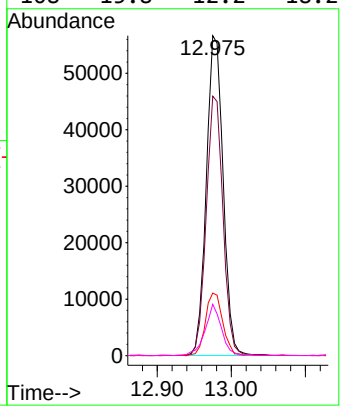




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.826 ng
RT: 12.975 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:216 Resp: 8937

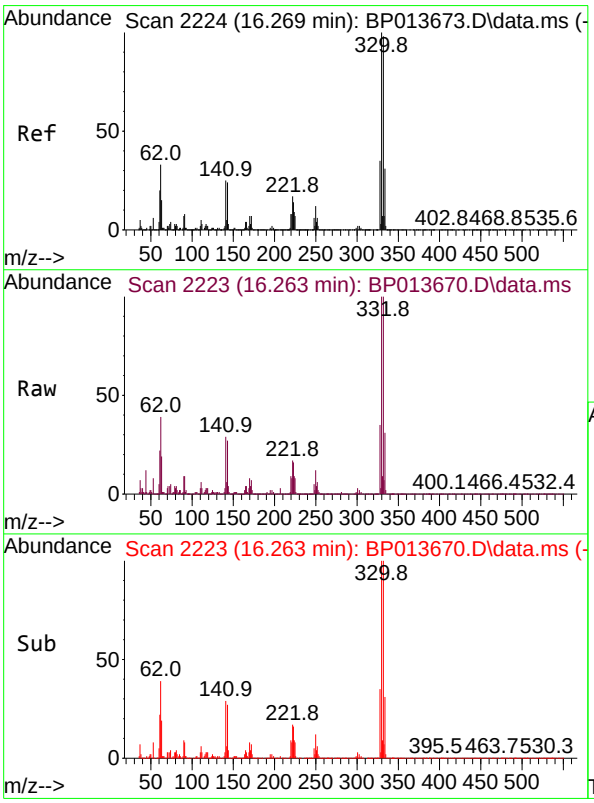
Ion	Ratio	Lower	Upper
216	100		
214	80.7	62.6	94.0
179	20.1	15.2	22.8
108	15.8	12.2	18.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

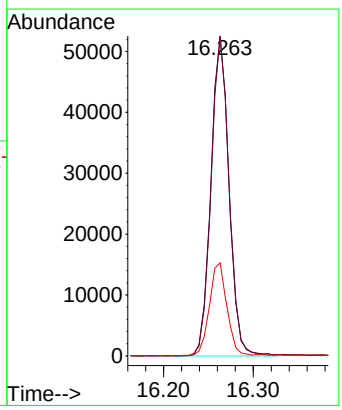
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

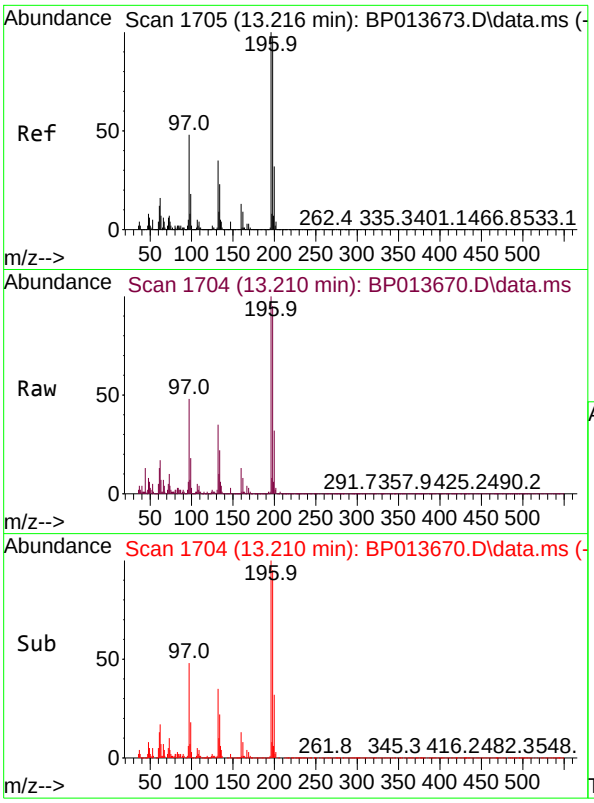


#42
2,4,6-Tribromophenol
Concen: 9.086 ng
RT: 16.263 min Scan# 2223
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:330 Resp: 73920

Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.4	116.2
141	28.4	21.3	31.9

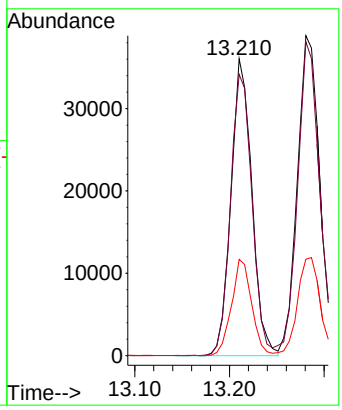




#43
2,4,6-Trichlorophenol
Concen: 4.544 ng
RT: 13.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:196 Resp: 5540

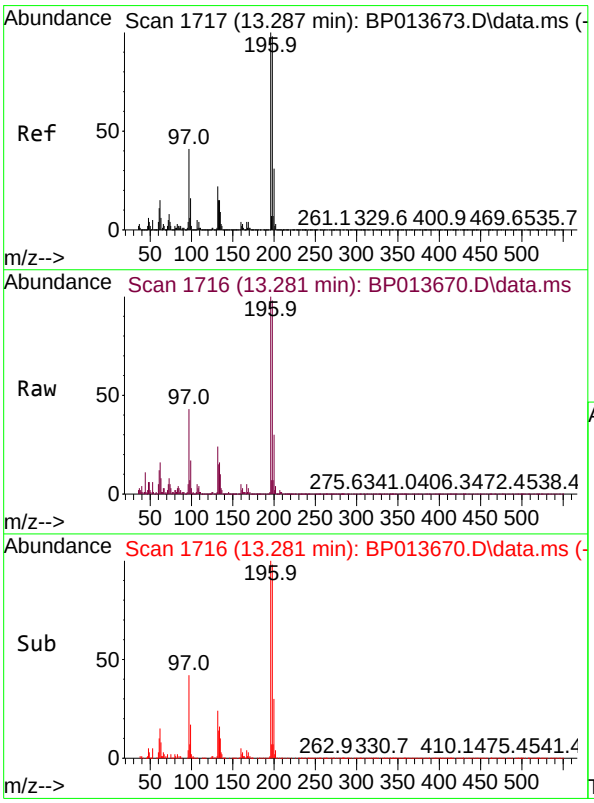
Ion	Ratio	Lower	Upper
196	100		
198	94.7	77.5	116.3
200	32.4	25.3	37.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

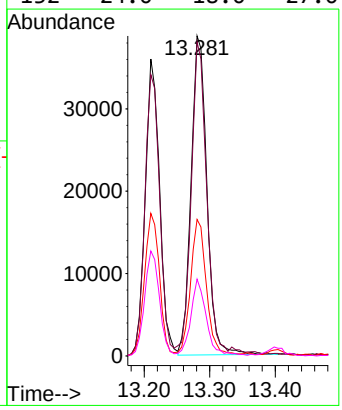
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

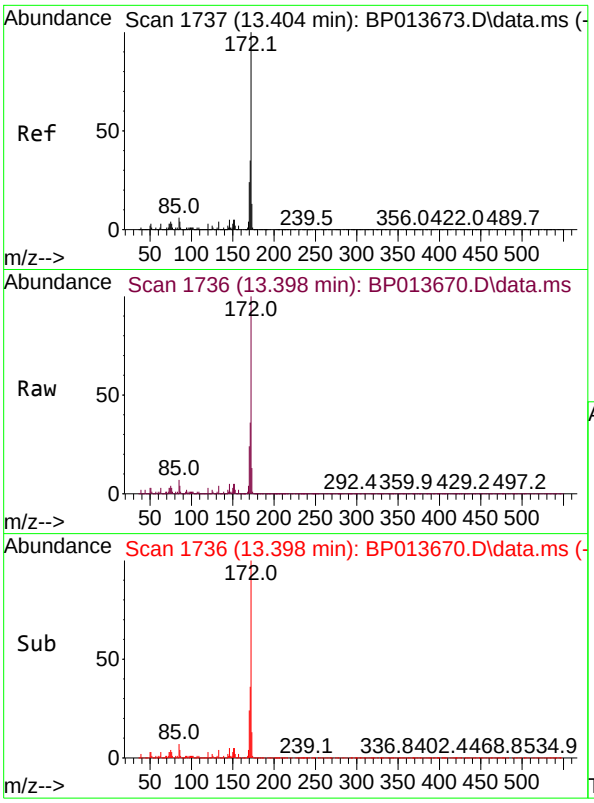


#44
2,4,5-Trichlorophenol
Concen: 4.562 ng
RT: 13.281 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:196 Resp: 65138

Ion	Ratio	Lower	Upper
196	100		
198	98.1	78.2	117.2
97	42.7	33.2	49.8
132	24.0	18.0	27.0

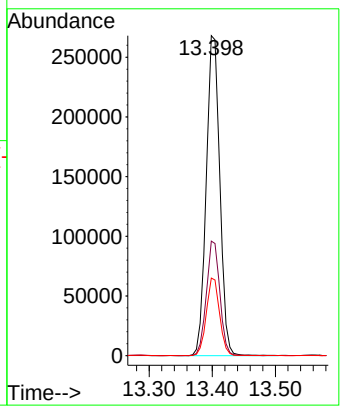




#45
2-Fluorobiphenyl
Concen: 10.306 ng
RT: 13.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:172 Resp: 39951

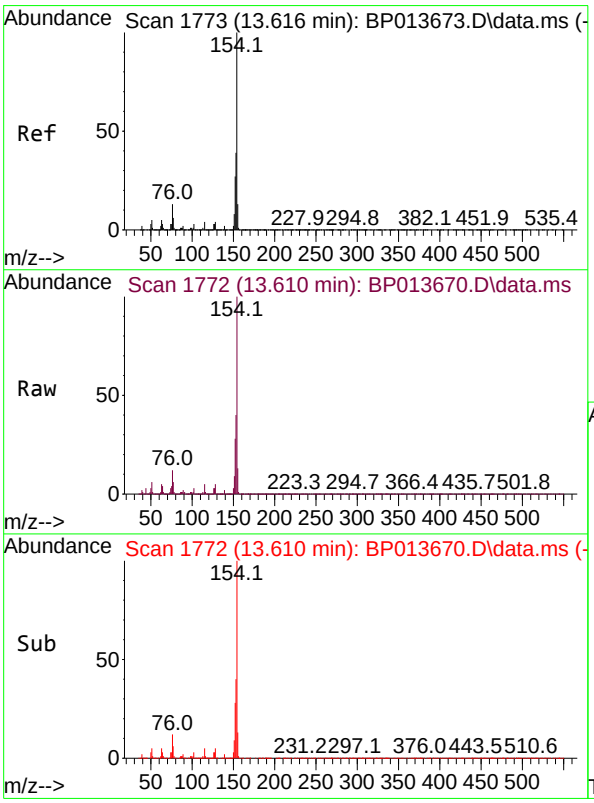
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	24.2	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

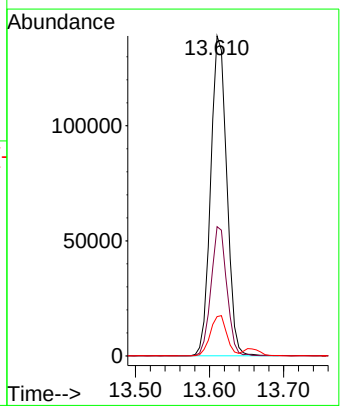
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

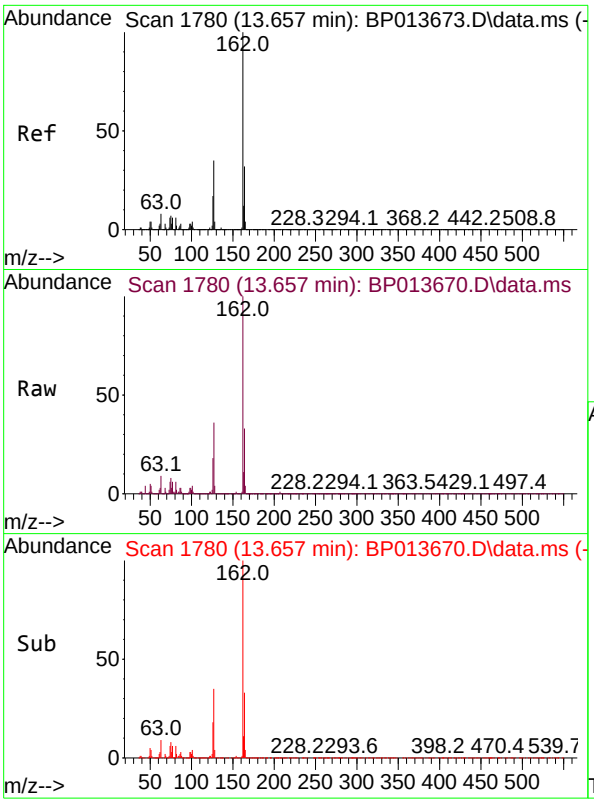


#46
1,1'-Biphenyl
Concen: 5.103 ng
RT: 13.610 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:154 Resp: 209452

Ion	Ratio	Lower	Upper
154	100		
153	40.4	19.3	59.3
76	12.3	0.0	33.1

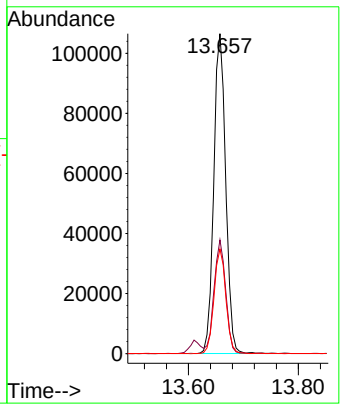




#47
2-Chloronaphthalene
Concen: 5.047 ng
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:162 Resp: 16013

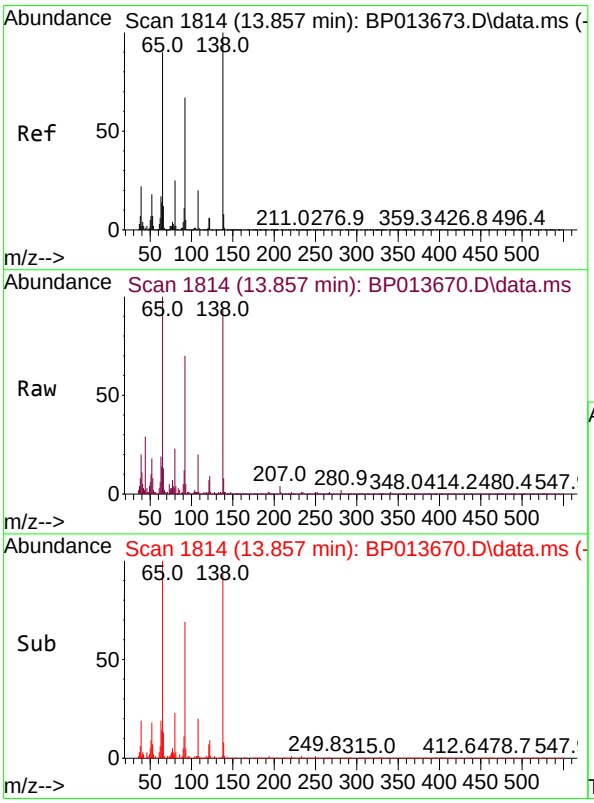
Ion	Ratio	Lower	Upper
162	100		
127	35.5	28.3	42.5
164	32.7	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

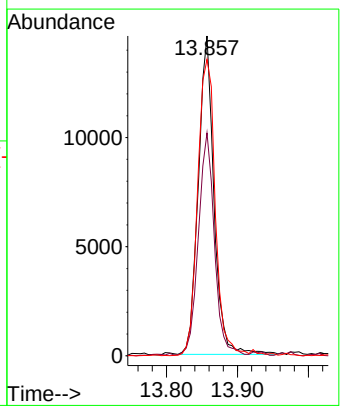
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

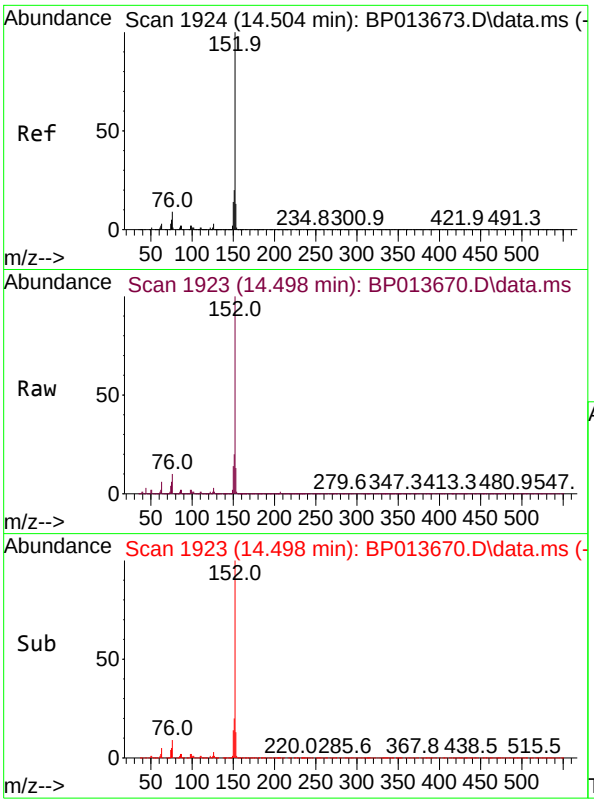


#48
2-Nitroaniline
Concen: 3.283 ng
RT: 13.857 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 65 Resp: 22261

Ion	Ratio	Lower	Upper
65	100		
92	69.7	59.4	89.0
138	92.7	88.6	133.0

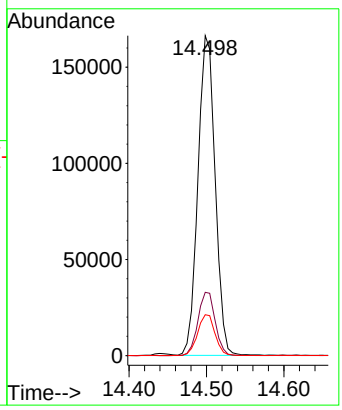




#49
Acenaphthylene
Concen: 5.014 ng
RT: 14.498 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:152 Resp: 25657

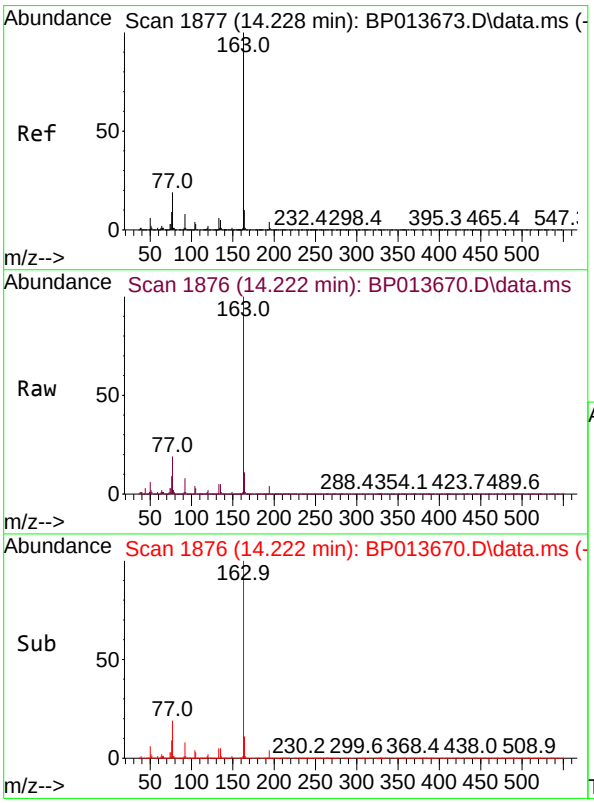
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	12.8	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

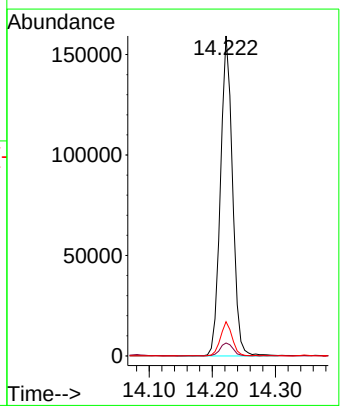
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

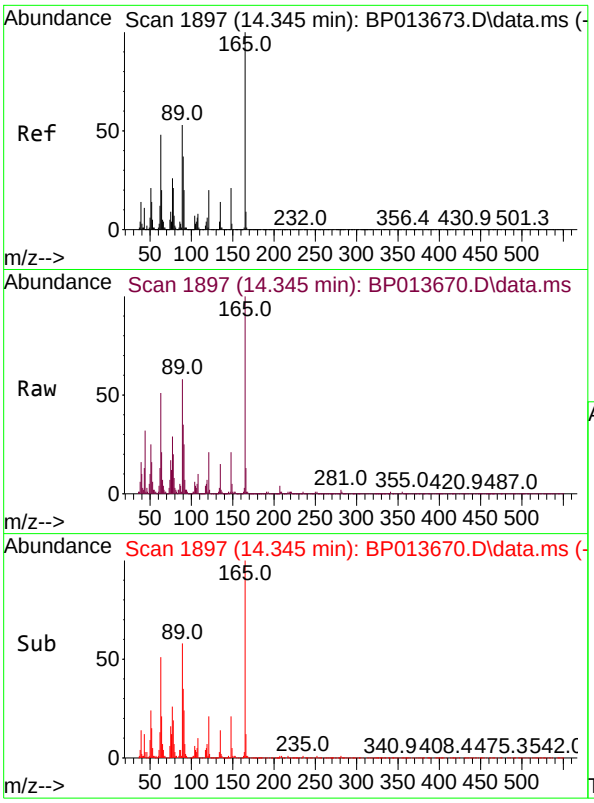


#50
Dimethylphthalate
Concen: 5.037 ng
RT: 14.222 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:163 Resp: 211344

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.5	5.3
164	10.7	8.4	12.6

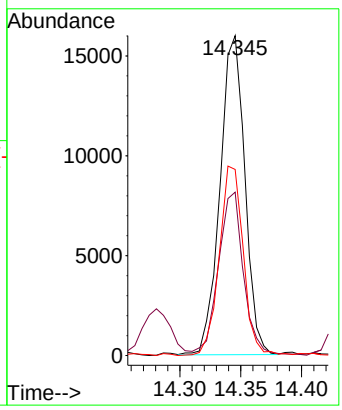




#51
2,6-Dinitrotoluene
Concen: 3.021 ng
RT: 14.345 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:165 Resp: 2265

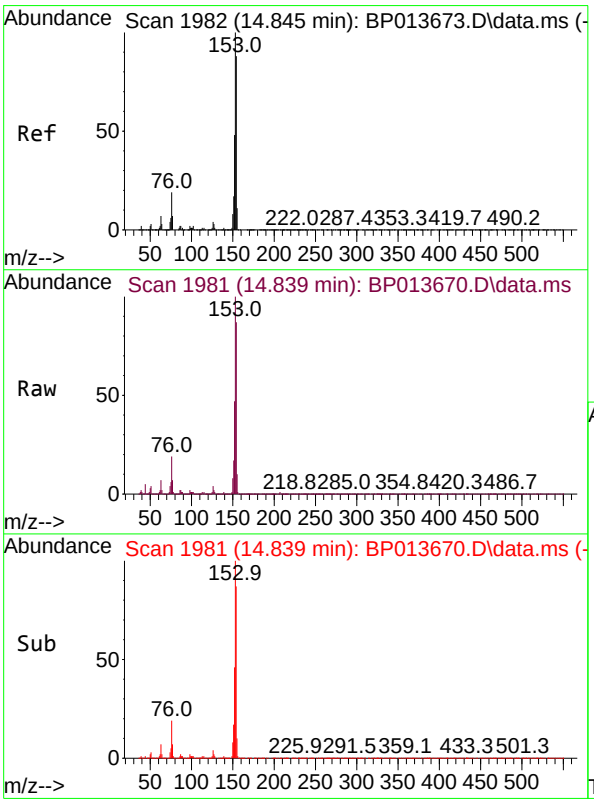
Ion	Ratio	Lower	Upper
165	100		
63	51.1	39.8	59.6
89	58.2	42.4	63.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

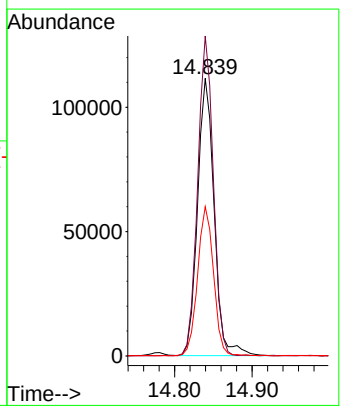
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

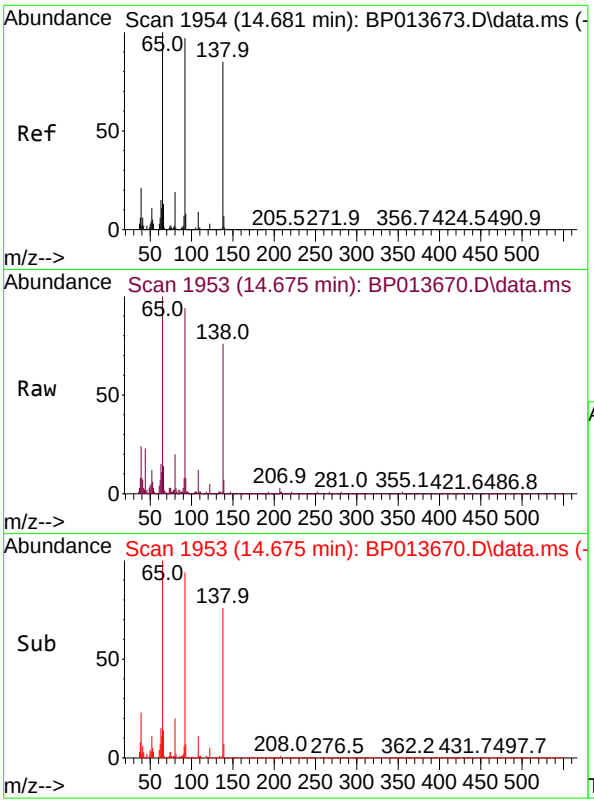


#52
Acenaphthene
Concen: 5.204 ng
RT: 14.839 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:154 Resp: 166087

Ion	Ratio	Lower	Upper
154	100		
153	115.3	90.6	135.8
152	53.8	43.4	65.0

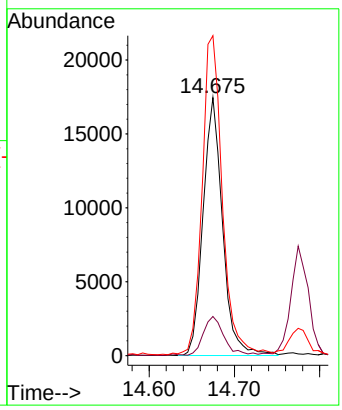




#53
3-Nitroaniline
Concen: 3.391 ng
RT: 14.675 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:138 Resp: 27731

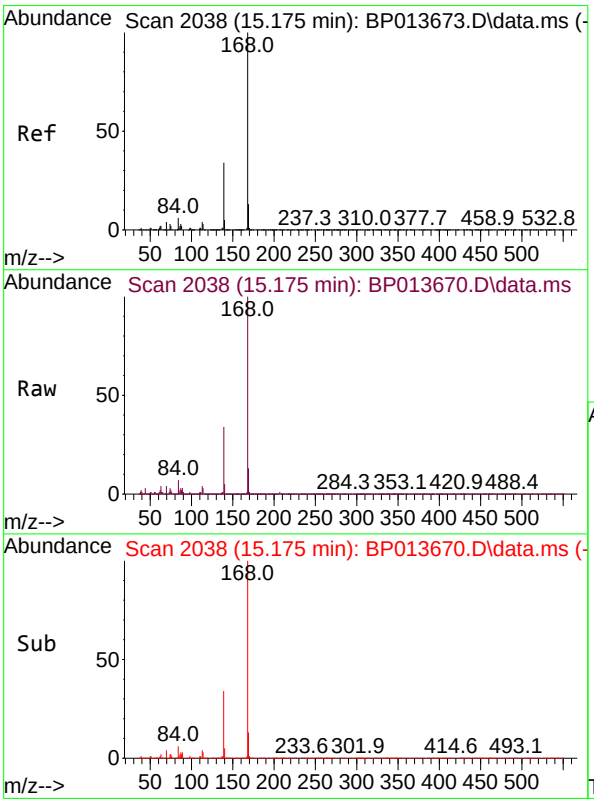
Ion	Ratio	Lower	Upper
138	100		
108	15.1	8.5	12.7#
92	124.0	91.5	137.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

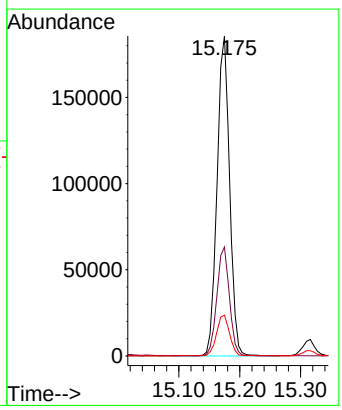
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

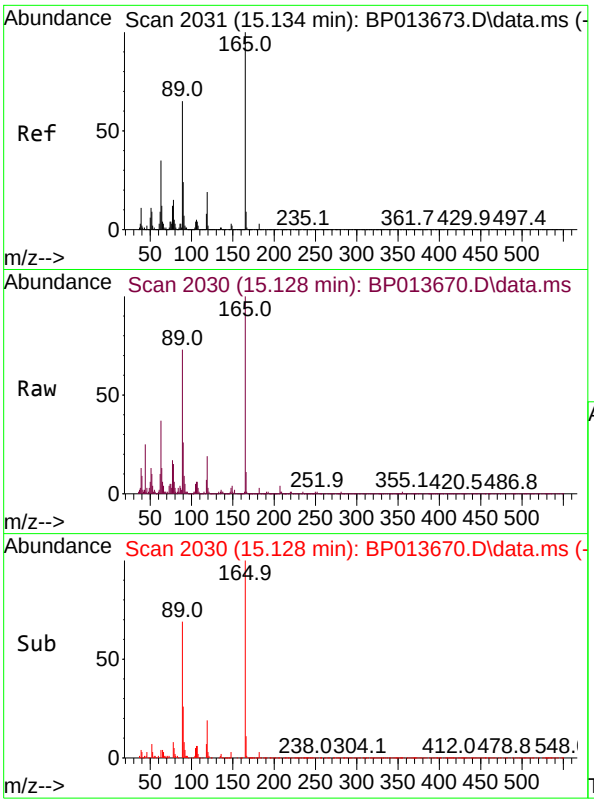


#55
Dibenzofuran
Concen: 5.152 ng
RT: 15.175 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:168 Resp: 265605

Ion	Ratio	Lower	Upper
168	100		
139	34.0	27.4	41.2
169	12.7	10.7	16.1

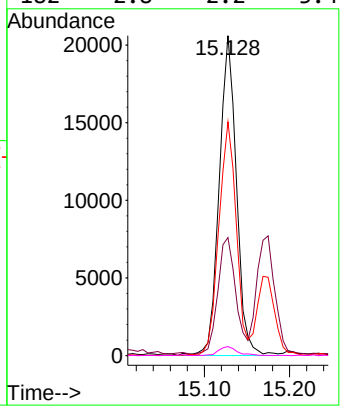




#57
2,4-Dinitrotoluene
Concen: 2.947 ng
RT: 15.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:165 Resp: 2899

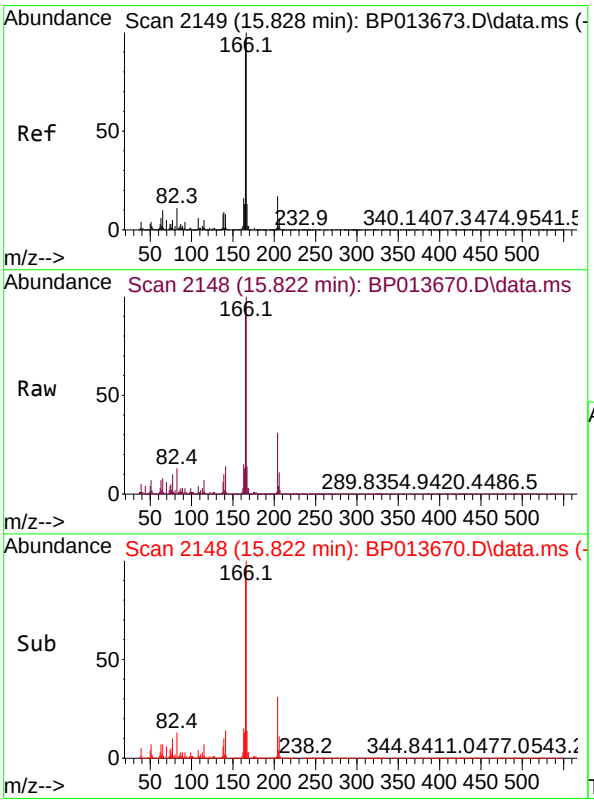
Ion	Ratio	Lower	Upper
165	100		
63	36.9	28.1	42.1
89	73.0	52.0	78.0
182	2.8	2.2	3.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

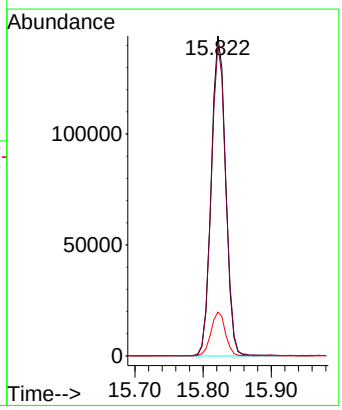
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

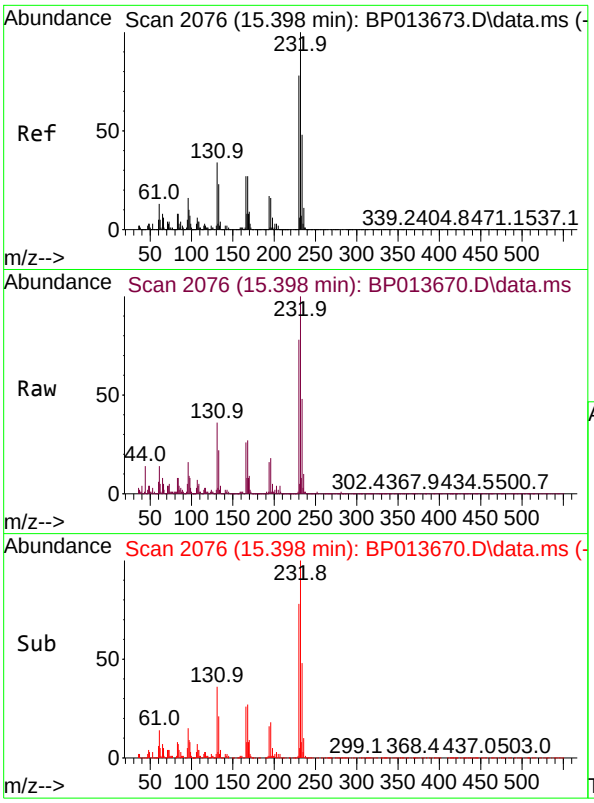


#58
Fluorene
Concen: 5.191 ng
RT: 15.822 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:166 Resp: 210106

Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.6	116.4
167	13.7	10.6	15.8

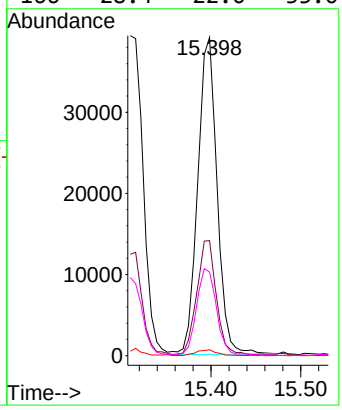




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.697 ng
RT: 15.398 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:232 Resp: 5831

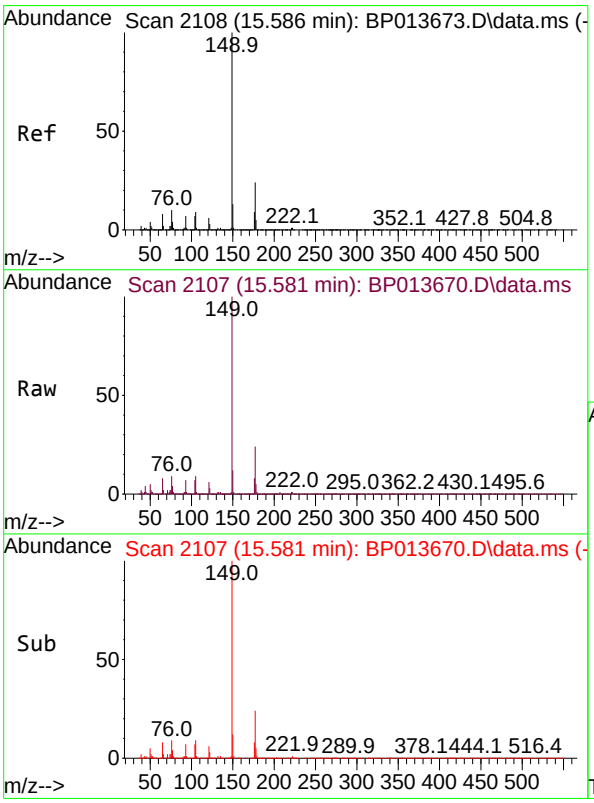
Ion	Ratio	Lower	Upper
232	100		
131	36.7	27.9	41.9
130	1.9	1.4	2.0
166	28.4	22.0	33.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

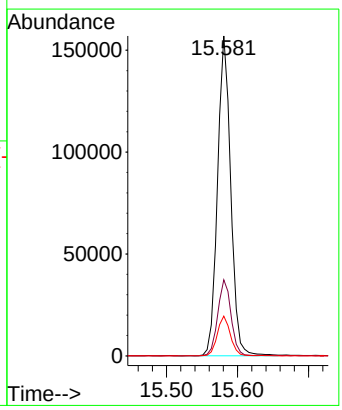
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

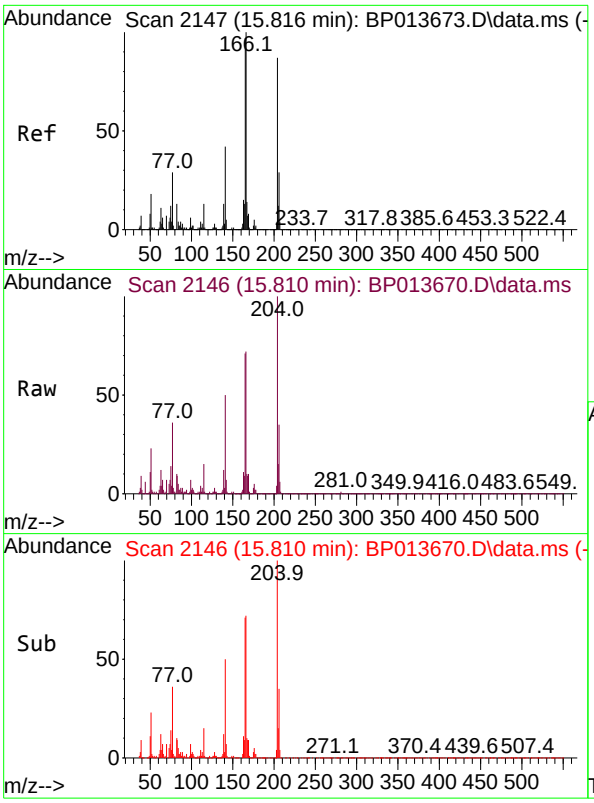


#60
Diethylphthalate
Concen: 5.055 ng
RT: 15.581 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:149 Resp: 203304

Ion	Ratio	Lower	Upper
149	100		
177	23.8	19.2	28.8
150	12.4	10.1	15.1

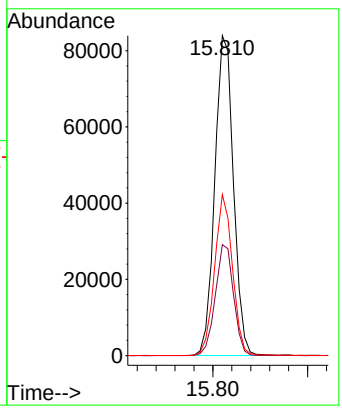




#61
4-Chlorophenyl-phenylether
Concen: 5.195 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:204 Resp: 114498

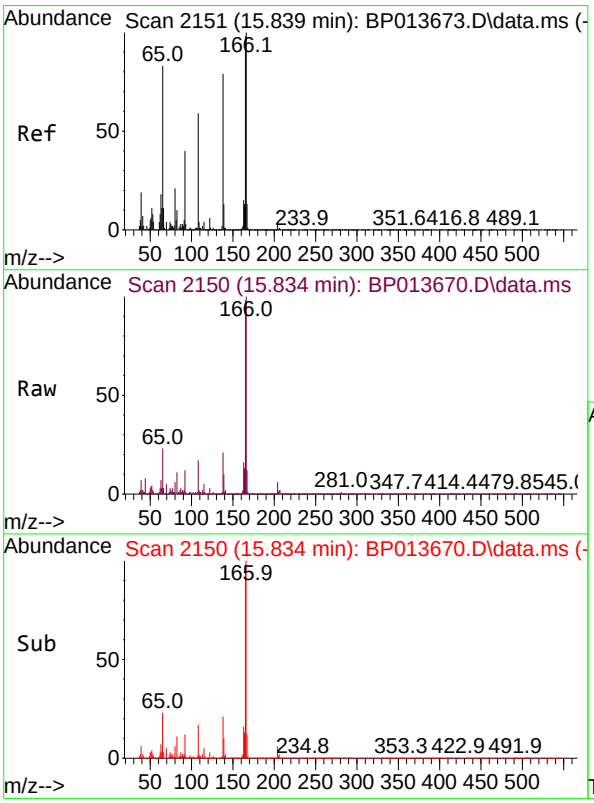
Ion	Ratio	Lower	Upper
204	100		
206	34.7	26.6	40.0
141	50.3	38.1	57.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

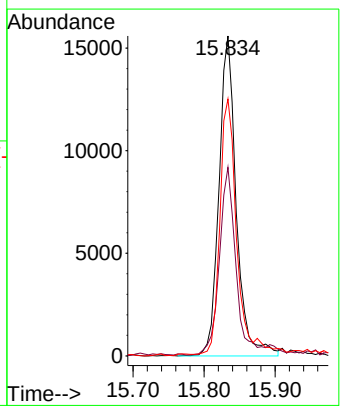
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

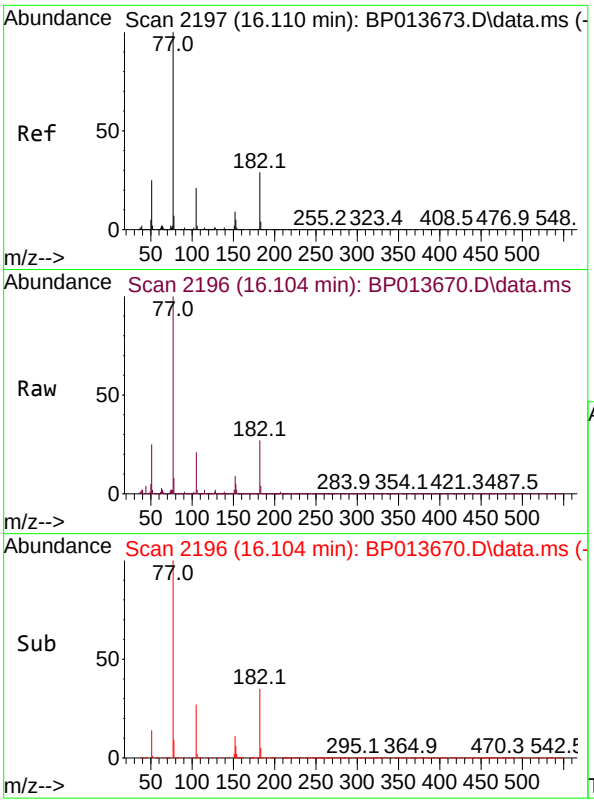


#62
4-Nitroaniline
Concen: 3.255 ng
RT: 15.834 min Scan# 2150
Delta R.T. -0.005 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:138 Resp: 26433

Ion	Ratio	Lower	Upper
138	100		
92	58.9	30.3	70.3
108	80.3	55.4	95.4

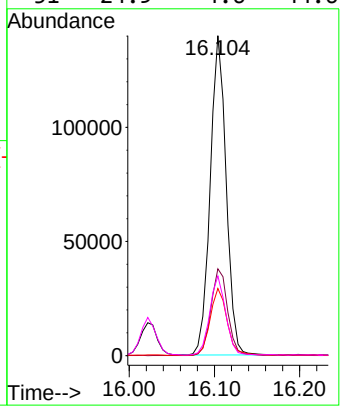




#63
Azobenzene
Concen: 4.904 ng
RT: 16.104 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion: 77 Resp: 18222

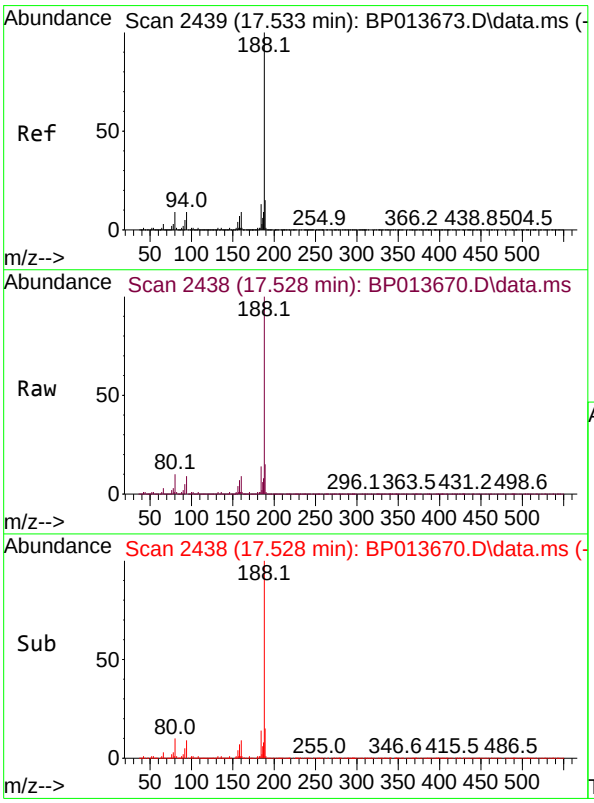
Ion	Ratio	Lower	Upper
77	100		
182	27.1	9.3	49.3
105	21.0	1.1	41.1
51	24.9	4.6	44.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

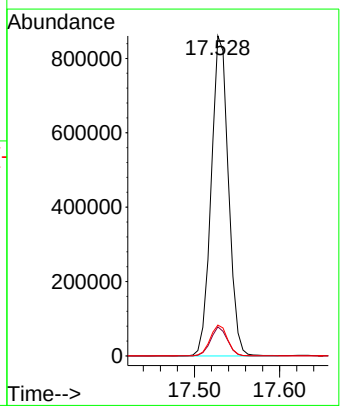
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

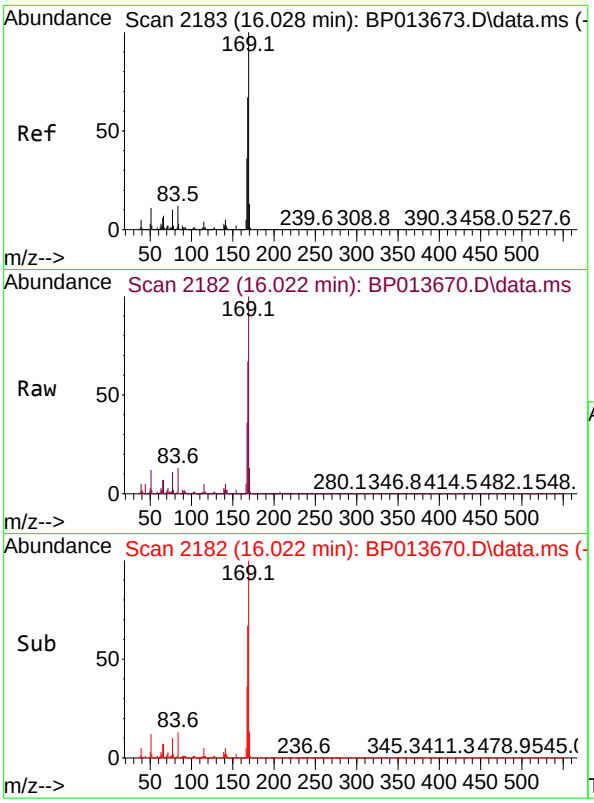


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.528 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:188 Resp: 1205705

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.9	10.3
80	9.7	7.4	11.0

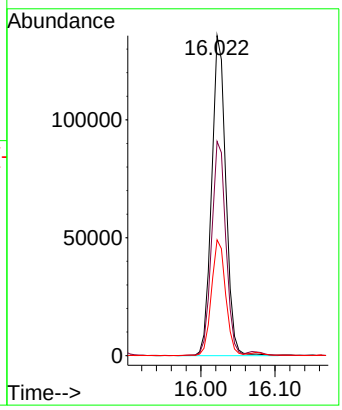




#66
n-Nitrosodiphenylamine
Concen: 5.134 ng
RT: 16.022 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:169 Resp: 180099

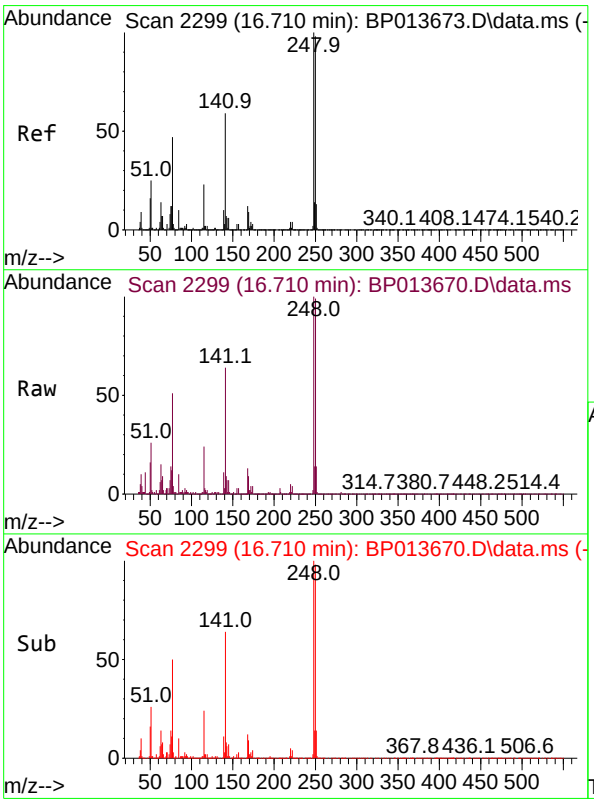
Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.8	80.6
167	36.2	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

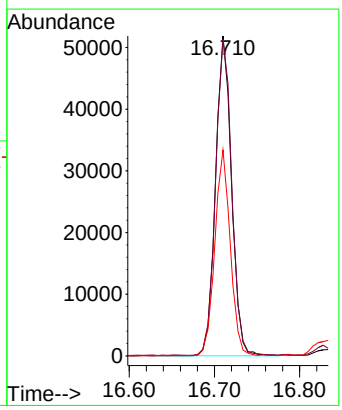
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

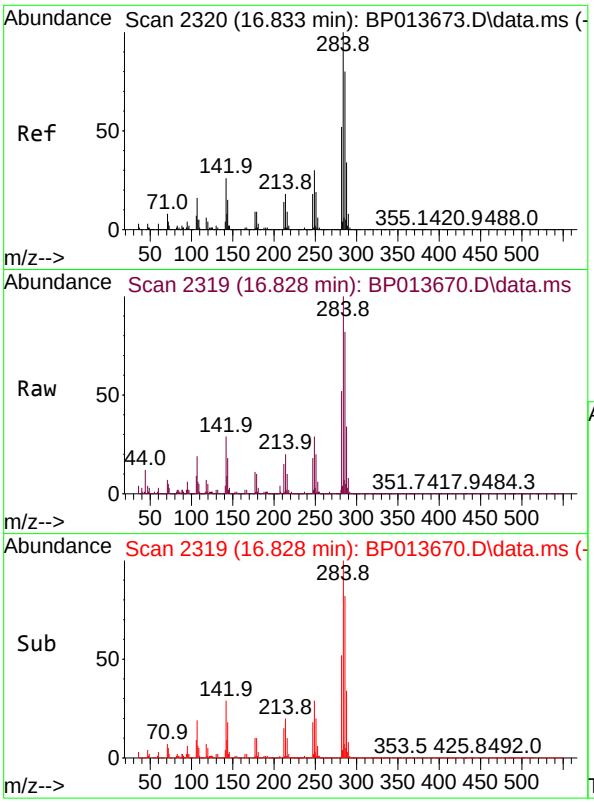


#67
4-Bromophenyl-phenylether
Concen: 4.883 ng
RT: 16.710 min Scan# 2299
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:248 Resp: 67487

Ion	Ratio	Lower	Upper
248	100		
250	98.9	78.2	117.2
141	64.3	46.8	70.2

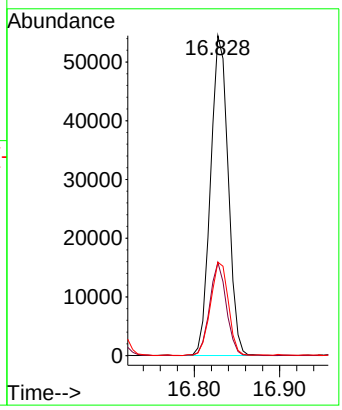




#68
Hexachlorobenzene
Concen: 5.111 ng
RT: 16.828 min Scan# 2
Delta R.T. -0.005 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:284 Resp: 7821

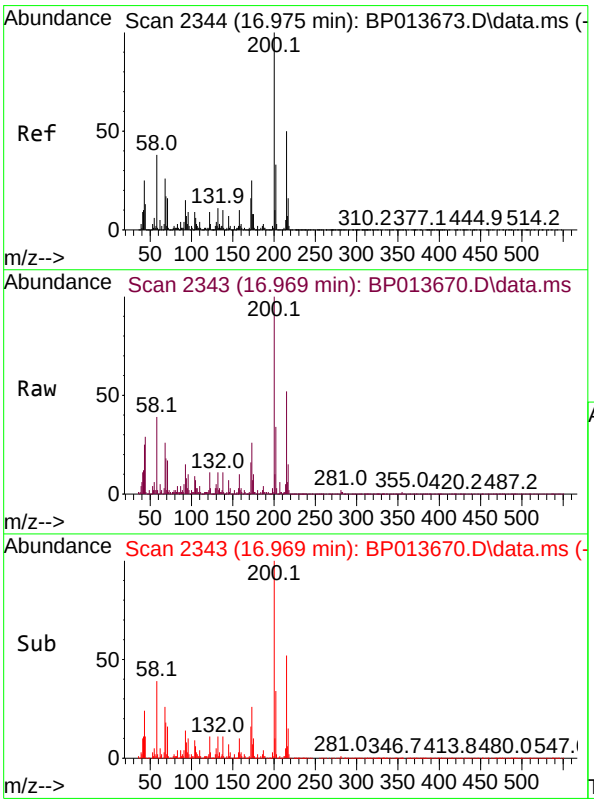
Ion	Ratio	Lower	Upper
284	100		
142	29.1	20.6	31.0
249	29.2	23.9	35.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

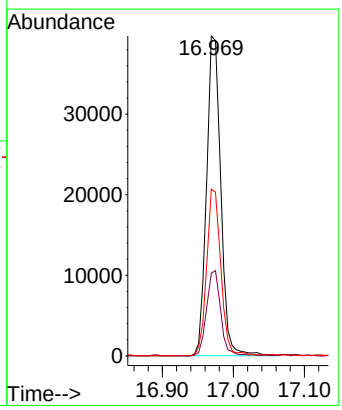
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

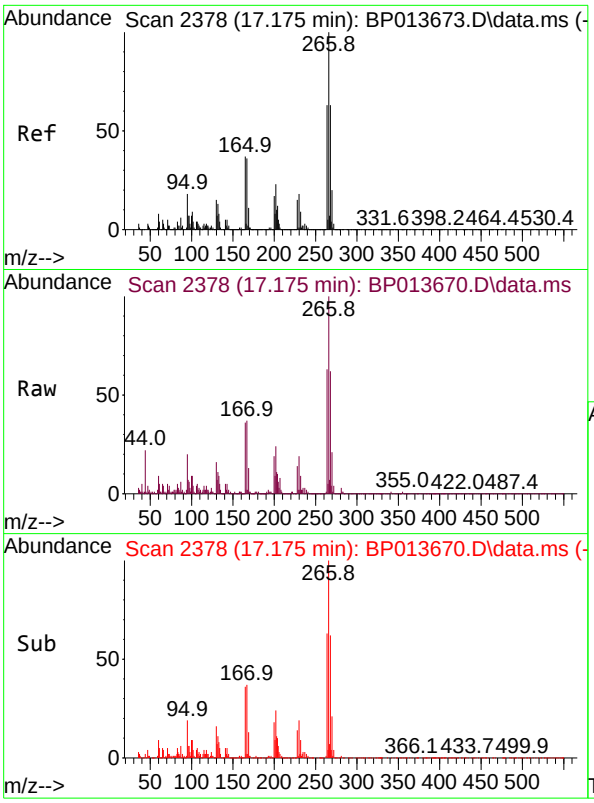


#69
Atrazine
Concen: 4.846 ng
RT: 16.969 min Scan# 2343
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:200 Resp: 55318

Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.2	45.2
215	52.1	29.8	69.8

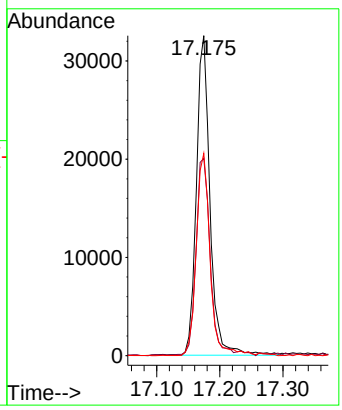




#70
Pentachlorophenol
Concen: 4.320 ng
RT: 17.175 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:266 Resp: 4877

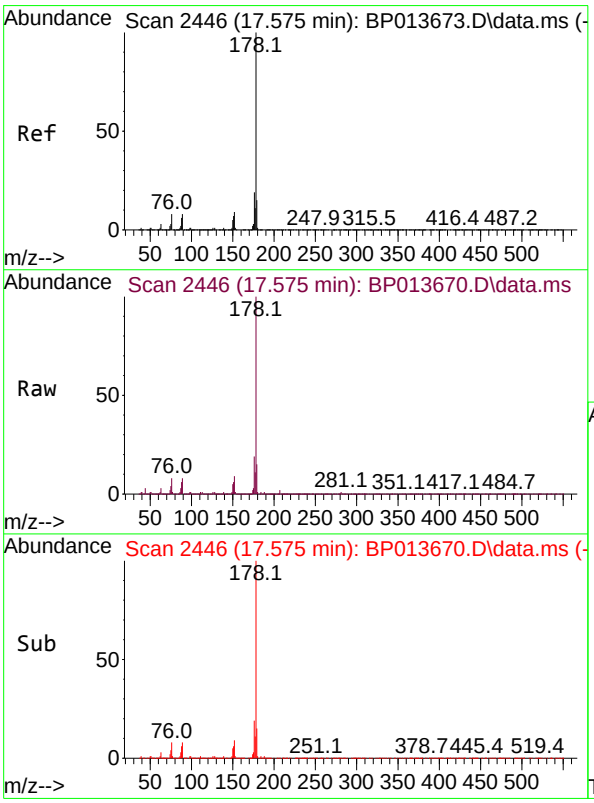
Ion	Ratio	Lower	Upper
266	100		
268	61.6	50.7	76.1
264	63.2	50.5	75.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

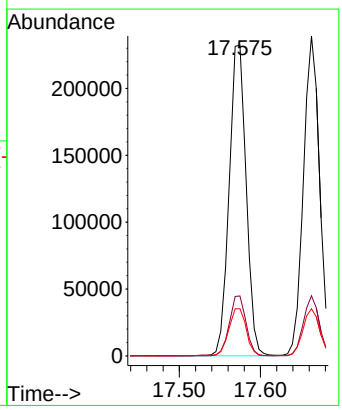
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

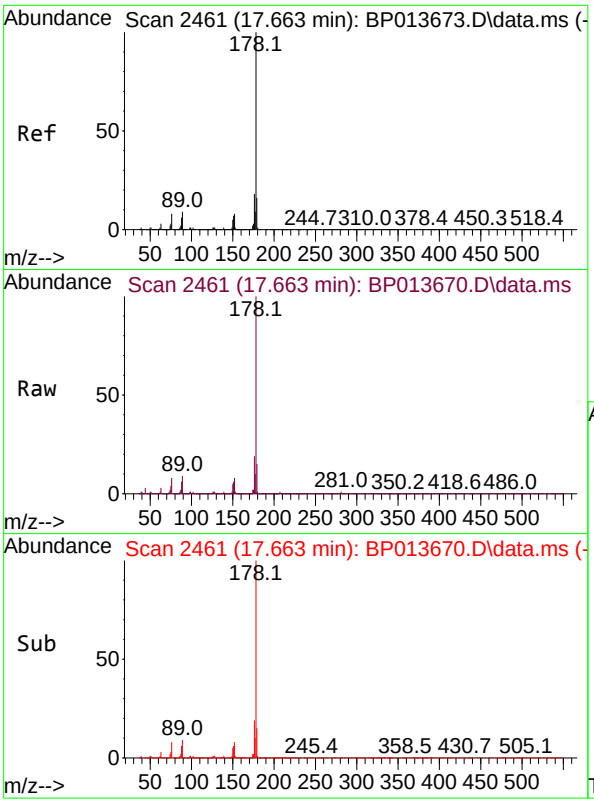


#71
Phenanthrene
Concen: 5.248 ng
RT: 17.575 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:178 Resp: 339181

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.2	12.2	18.2

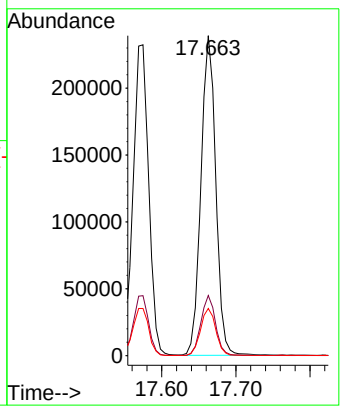




#72
Anthracene
Concen: 5.090 ng
RT: 17.663 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:178 Resp: 33212

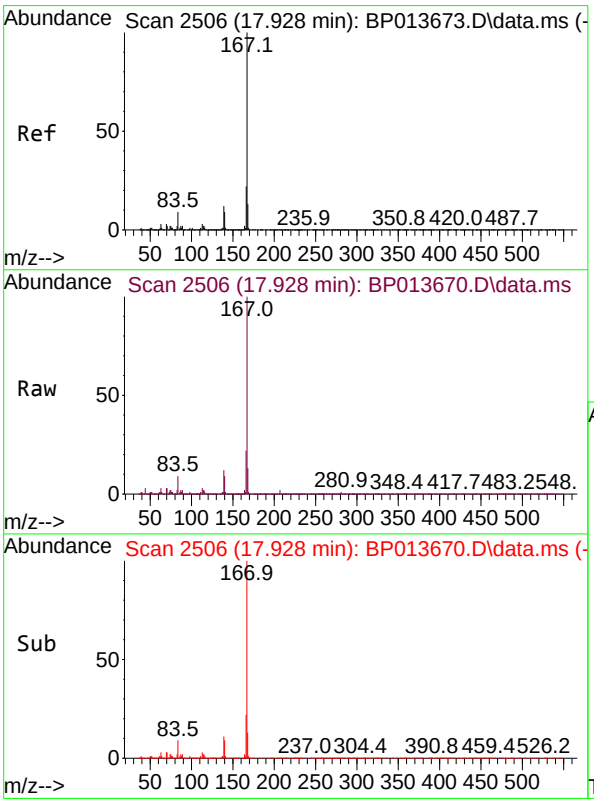
Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	14.7	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

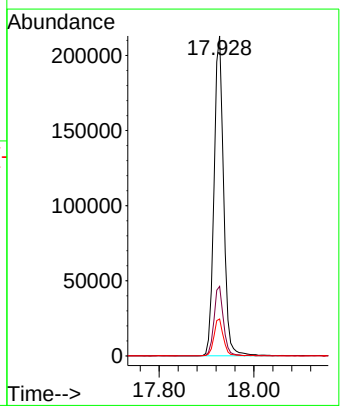
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

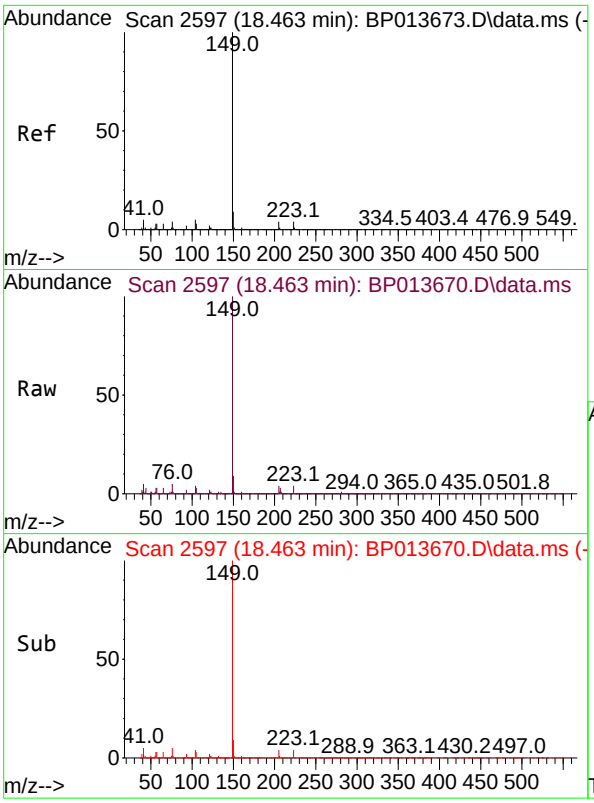


#73
Carbazole
Concen: 5.039 ng
RT: 17.928 min Scan# 2506
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:167 Resp: 298527

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.4	26.0
139	11.5	9.5	14.3

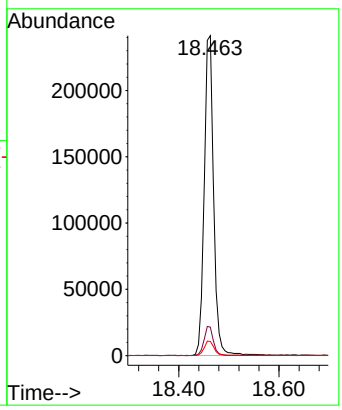




#74
Di-n-butylphthalate
Concen: 4.852 ng
RT: 18.463 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:149 Resp: 31454

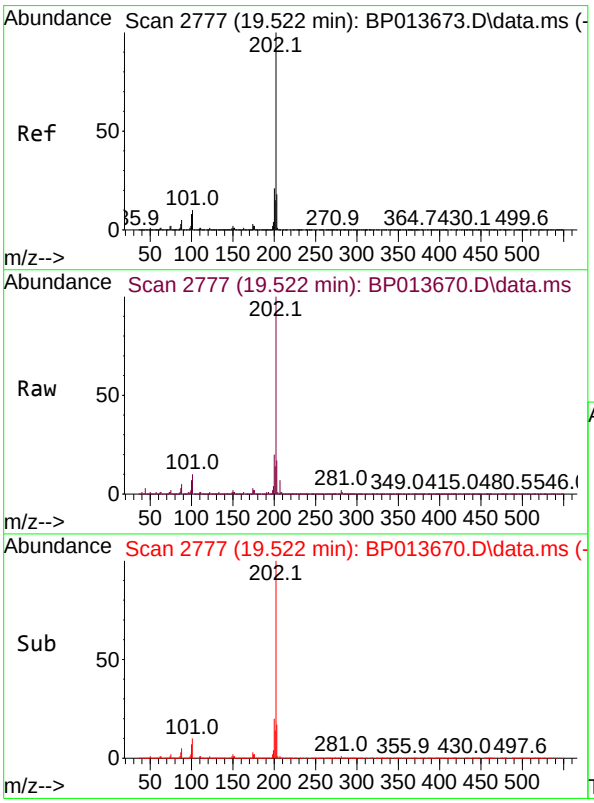
Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	4.4	3.8	5.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

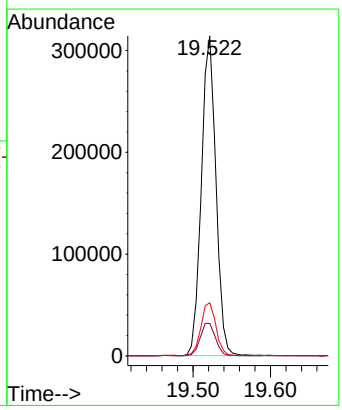
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

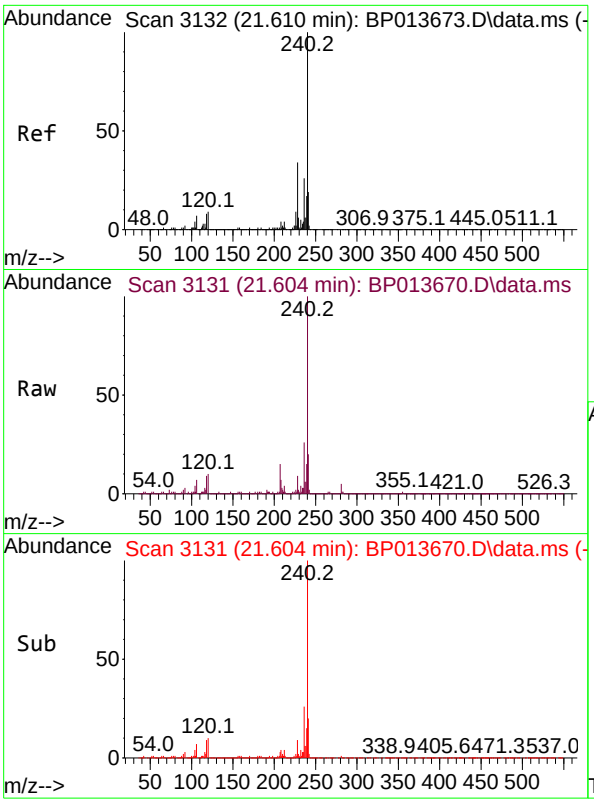


#75
Fluoranthene
Concen: 5.087 ng
RT: 19.522 min Scan# 2777
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:202 Resp: 409271

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.2
203	16.6	0.0	37.9

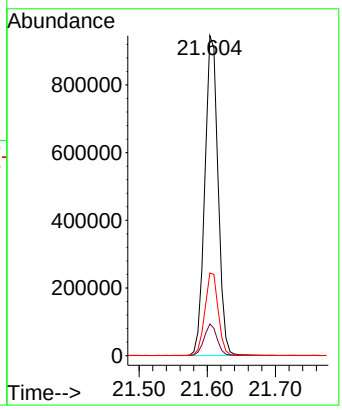




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.604 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:240 Resp: 127234

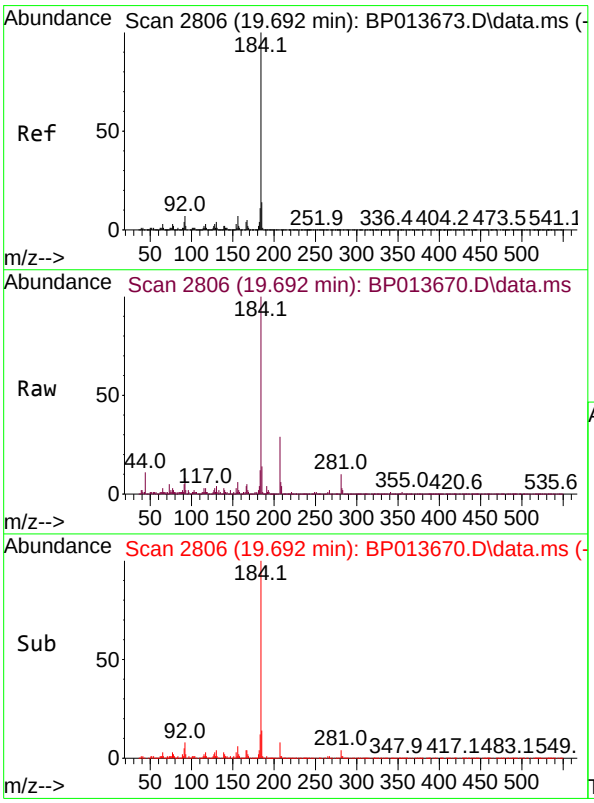
Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.4	11.0
236	25.8	20.6	30.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

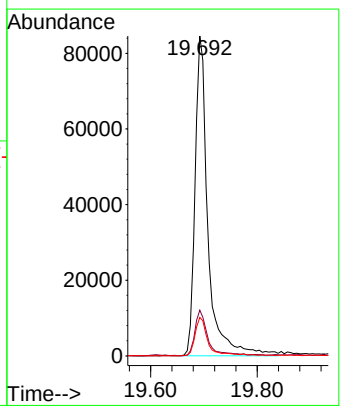
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

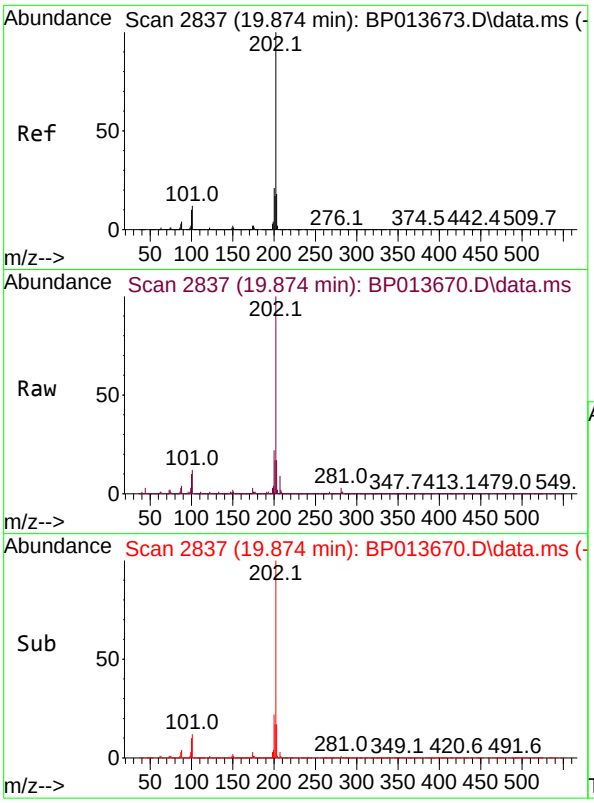


#77
Benzidine
Concen: 5.165 ng
RT: 19.692 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:184 Resp: 142498

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	12.0	9.2	13.8

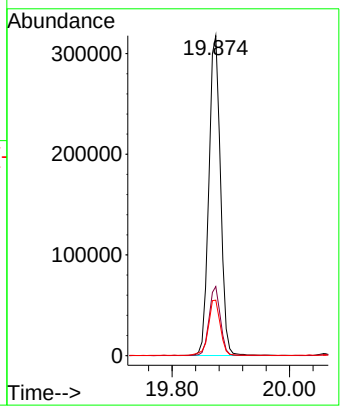




#78
Pyrene
Concen: 5.059 ng
RT: 19.874 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:202 Resp: 434700

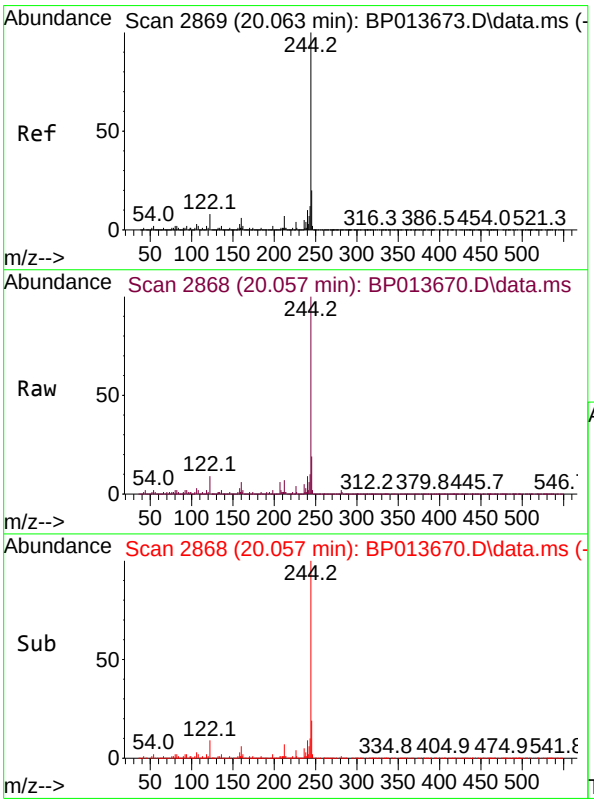
Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.9	25.3
203	17.3	14.0	21.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

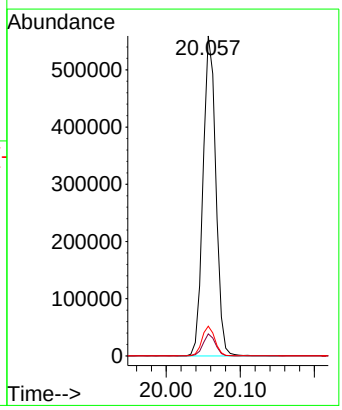
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

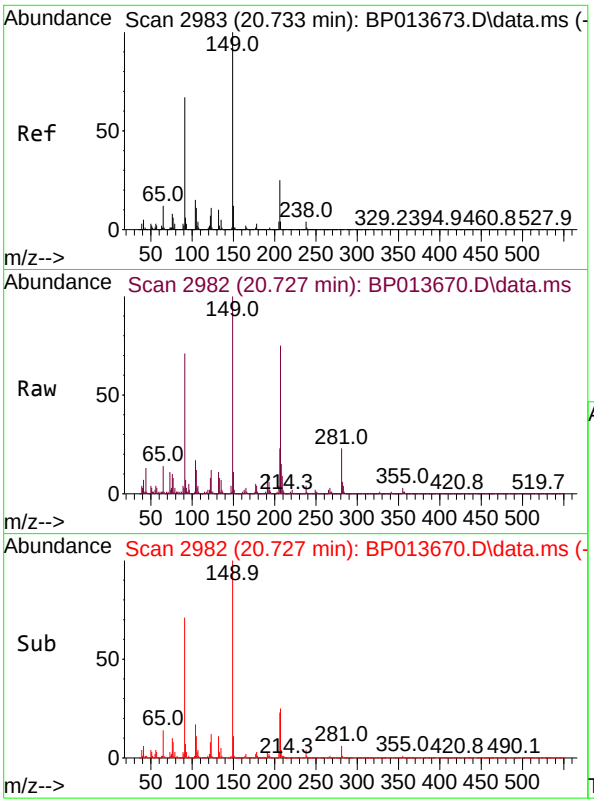


#79
Terphenyl-d14
Concen: 10.427 ng
RT: 20.057 min Scan# 2868
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:244 Resp: 670677

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	9.3	6.5	9.7

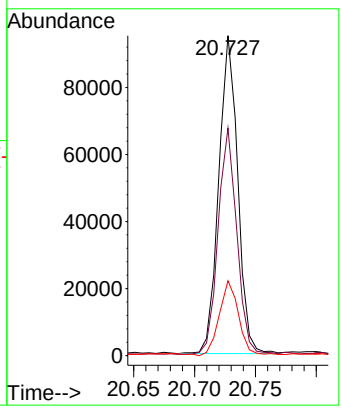




#80
Butylbenzylphthalate
Concen: 4.375 ng
RT: 20.727 min Scan# 29
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:149 Resp: 10262

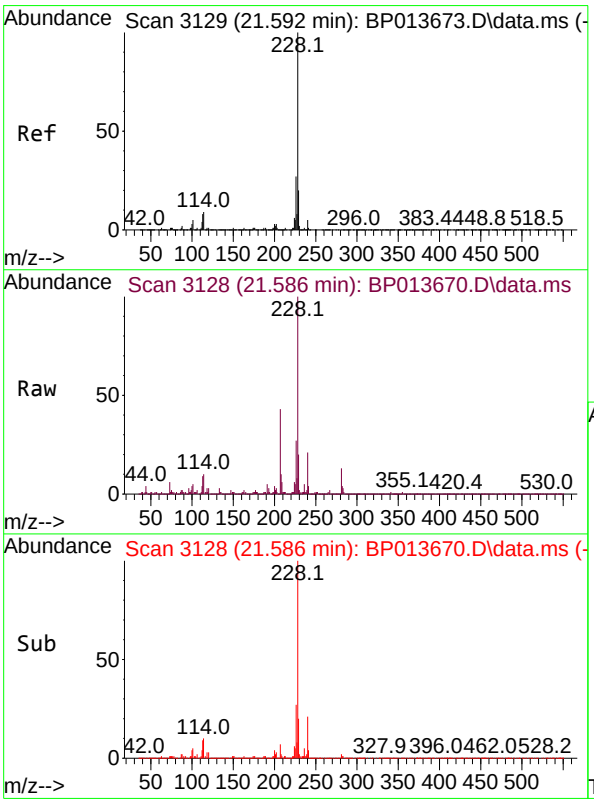
Ion	Ratio	Lower	Upper
149	100		
91	71.1	54.0	81.0
206	23.4	19.8	29.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

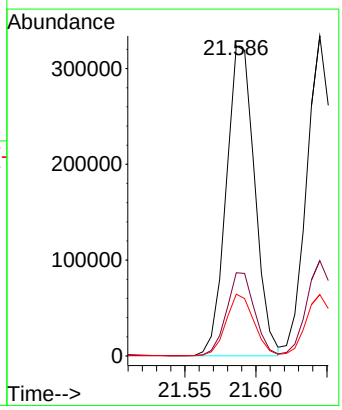
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

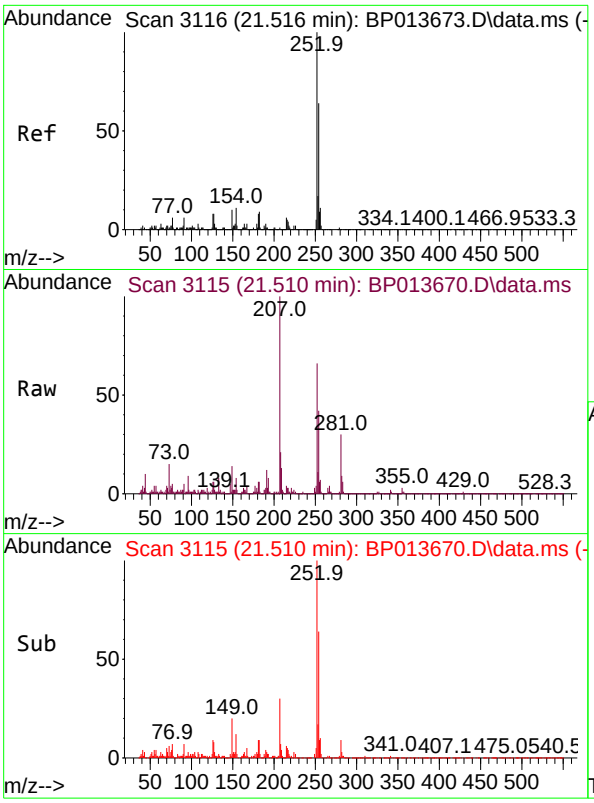


#81
Benzo(a)anthracene
Concen: 5.089 ng
RT: 21.586 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:228 Resp: 451451

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.9	32.9
229	19.9	16.0	24.0





#82
3,3'-Dichlorobenzidine
Concen: 4.536 ng
RT: 21.510 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

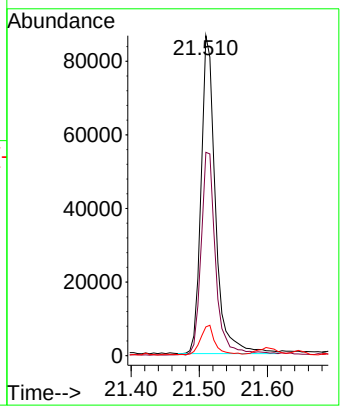
Tgt Ion:252 Resp: 12723

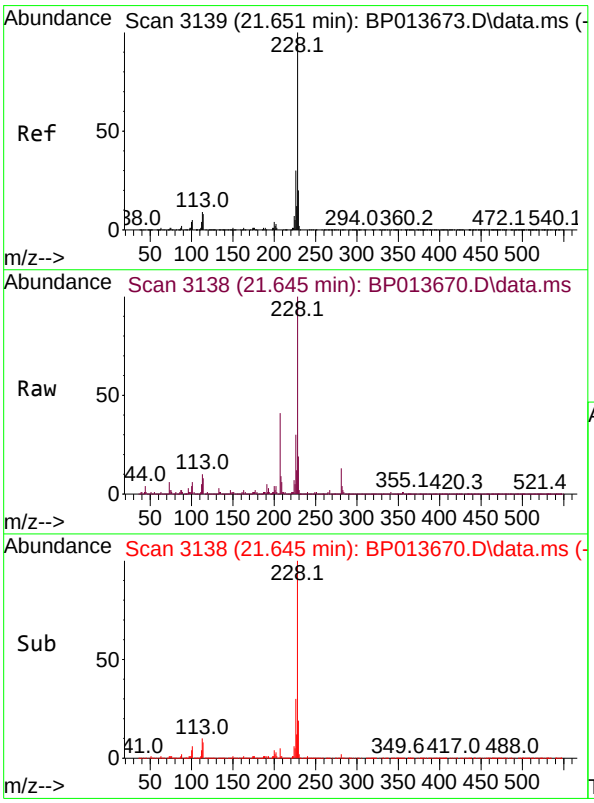
Ion	Ratio	Lower	Upper
252	100		
254	63.6	50.9	76.3
126	9.0	6.7	10.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

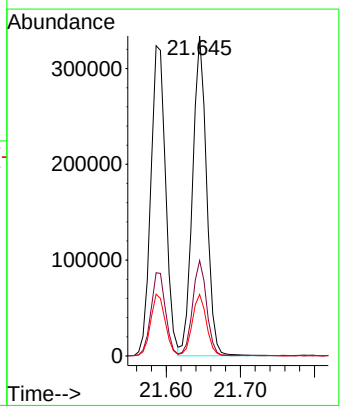


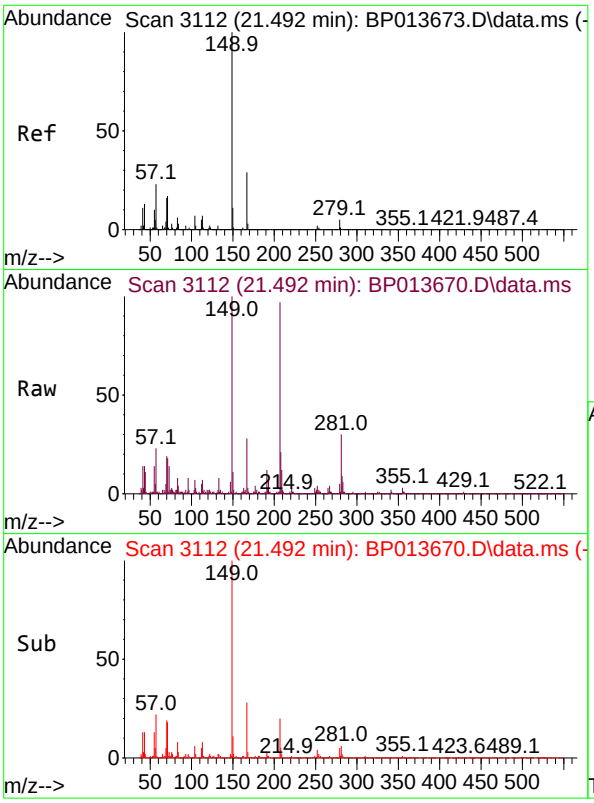


#83
Chrysene
Concen: 5.175 ng
RT: 21.645 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:228 Resp: 437426

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.2	15.8	23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.670 ng
RT: 21.492 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

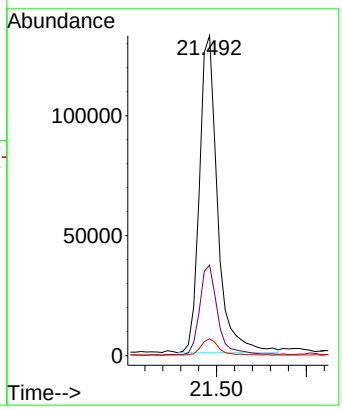
Tgt Ion:149 Resp: 18654

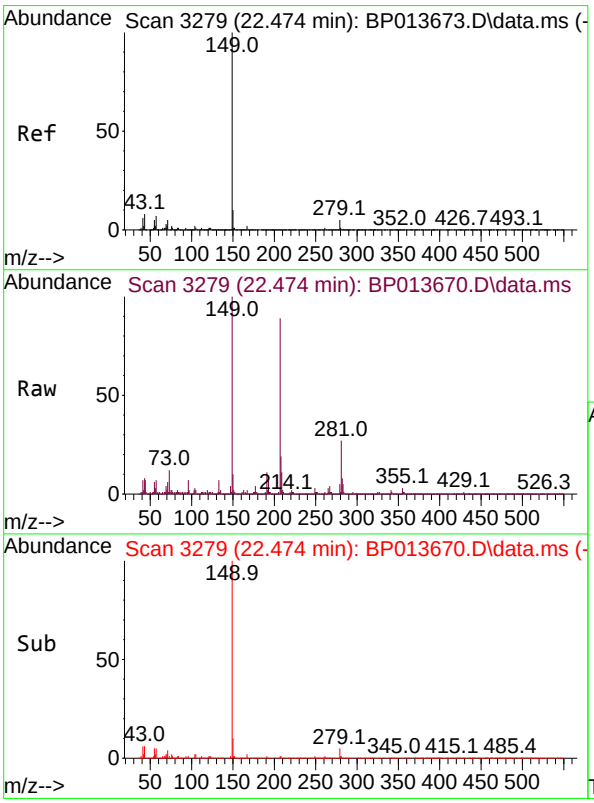
Ion	Ratio	Lower	Upper
149	100		
167	28.3	23.0	34.6
279	5.3	3.9	5.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

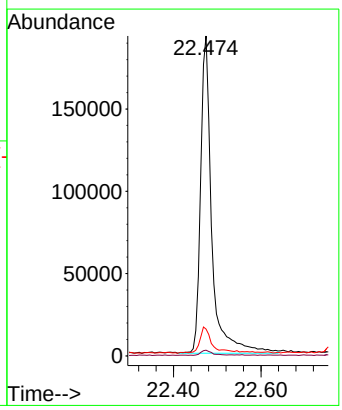


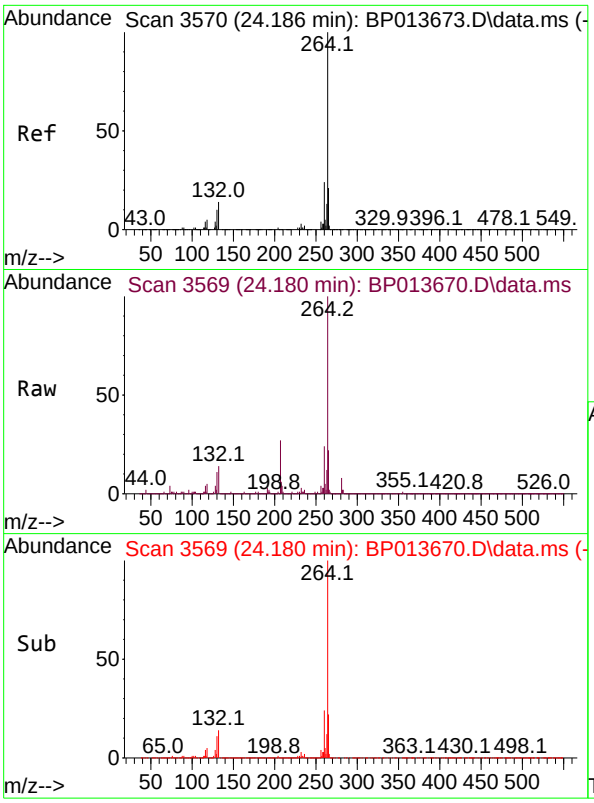


#85
Di-n-octyl phthalate
Concen: 4.679 ng
RT: 22.474 min Scan# 3279
Delta R.T. 0.000 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:149 Resp: 341267

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.5	6.3	9.5

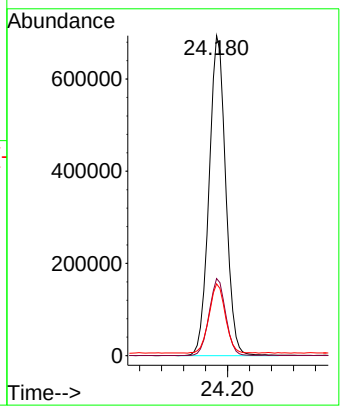




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.180 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:264 Resp: 145678

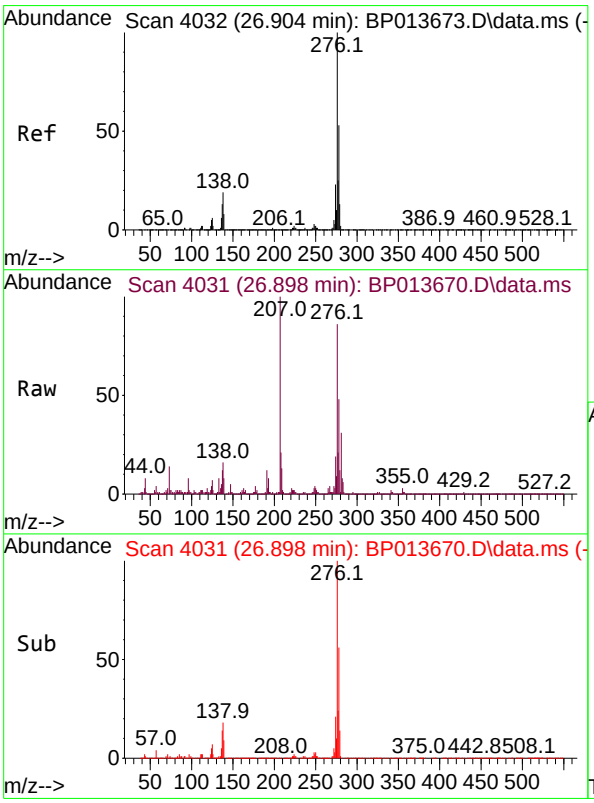
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	22.4	17.4	26.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

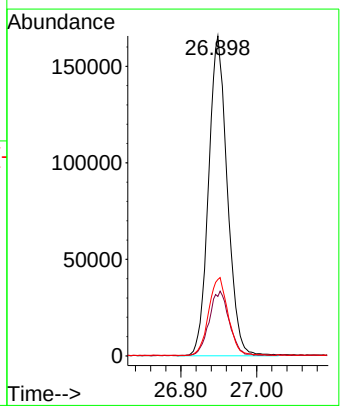
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

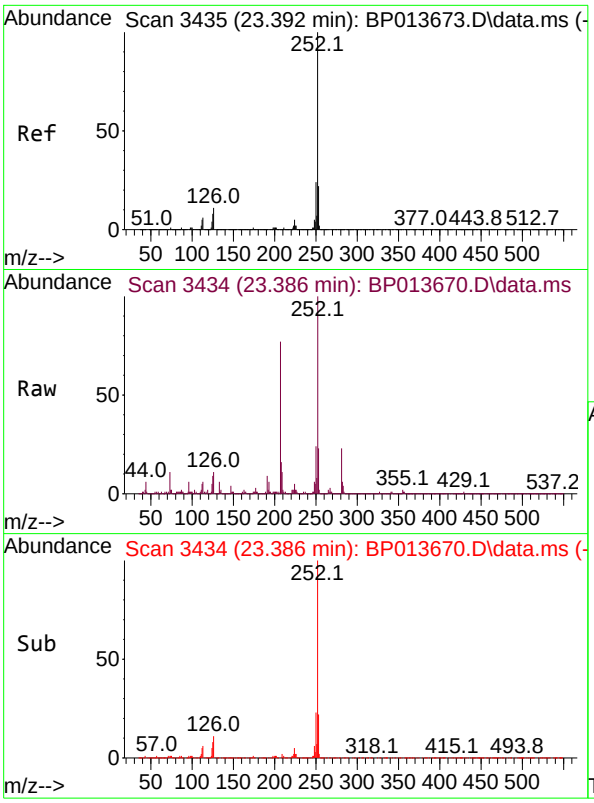


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.136 ng
RT: 26.898 min Scan# 4031
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:276 Resp: 569018

Ion	Ratio	Lower	Upper
276	100		
138	21.8	16.5	24.7
277	25.3	20.2	30.2

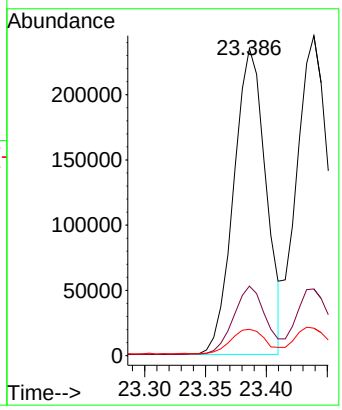




#88
Benzo(b)fluoranthene
Concen: 4.938 ng
RT: 23.386 min Scan# 34
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:252 Resp: 43235

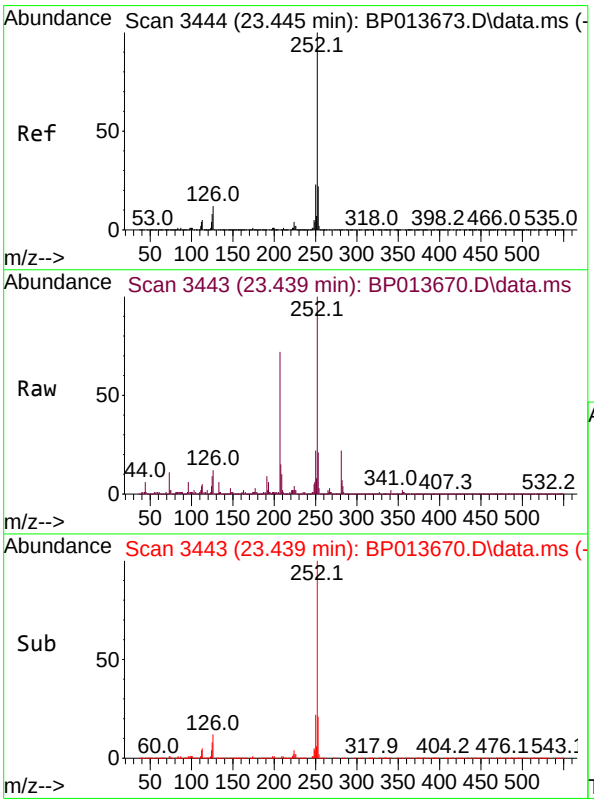
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	8.6	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

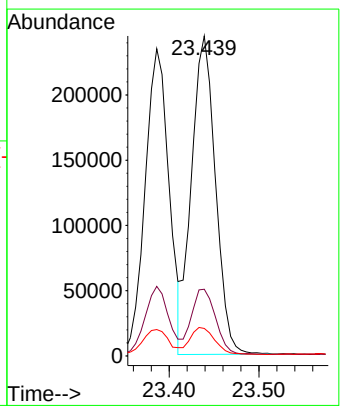
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

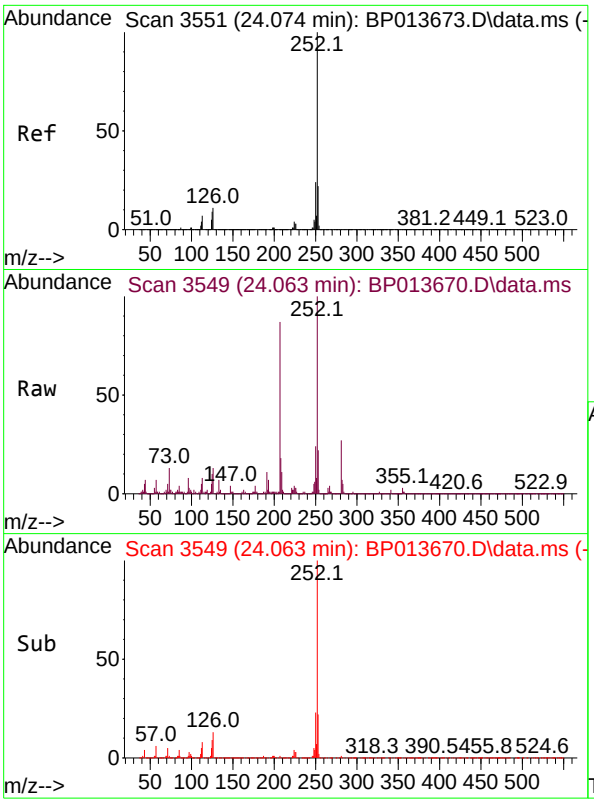


#89
Benzo(k)fluoranthene
Concen: 5.163 ng
RT: 23.439 min Scan# 3443
Delta R.T. -0.006 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:252 Resp: 452753

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.7	26.5
125	8.6	6.3	9.5





#90
Benzo(a)pyrene
Concen: 5.004 ng
RT: 24.063 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

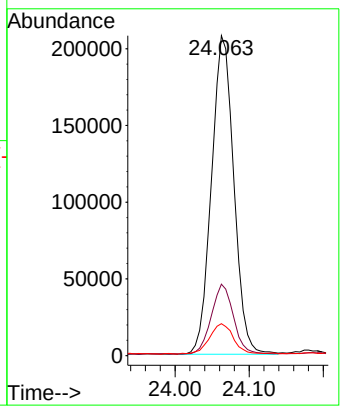
Tgt Ion:252 Resp: 43487

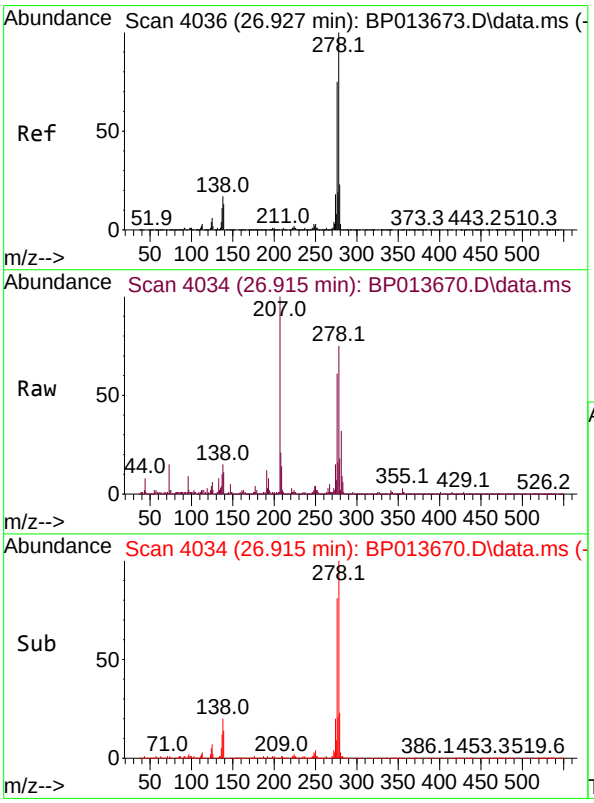
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	10.0	7.0	10.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

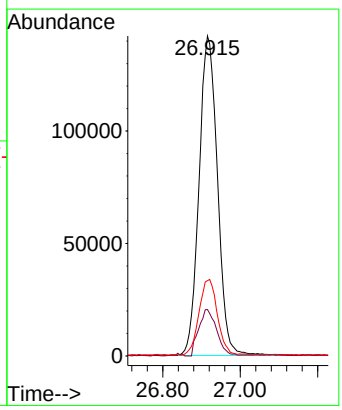


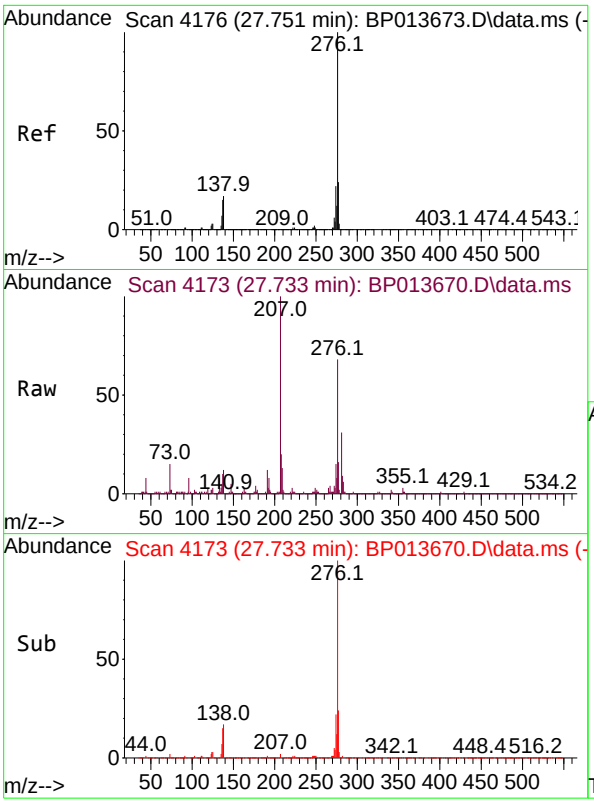


#91
Dibenzo(a,h)anthracene
Concen: 5.111 ng
RT: 26.915 min Scan# 4034
Delta R.T. -0.012 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:278 Resp: 469988

Ion	Ratio	Lower	Upper
278	100		
139	14.5	10.6	16.0
279	23.5	18.8	28.2

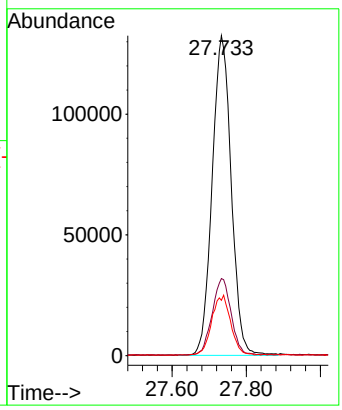




#92
Benzo(g,h,i)perylene
Concen: 5.172 ng
RT: 27.733 min Scan# 41
Delta R.T. -0.018 min
Lab File: BP013670.D
Acq: 31 Jan 2023 11:55

Tgt Ion:276 Resp: 472434

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	17.3	14.0	21.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013671.D
Acq On : 31 Jan 2023 12:30
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

Quant Time: Feb 01 03:01:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.140	152	224889	20.000	ng		0.00
21) Naphthalene-d8	10.969	136	852691	20.000	ng		0.00
39) Acenaphthene-d10	14.781	164	571169	20.000	ng		0.00
64) Phenanthrene-d10	17.534	188	1246996	20.000	ng		0.00
76) Chrysene-d12	21.604	240	1322136	20.000	ng		0.00
86) Perylene-d12	24.180	264	1578749	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.670	112	267013	20.297	ng		0.00
7) Phenol-d6	7.281	99	349321	19.931	ng		0.00
23) Nitrobenzene-d5	9.316	82	257904	17.594	ng		0.00
42) 2,4,6-Tribromophenol	16.263	330	159516	18.620	ng		0.00
45) 2-Fluorobiphenyl	13.399	172	815926	19.989	ng		0.00
79) Terphenyl-d14	20.057	244	1348034	20.246	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.517	88	59168	10.631	ng		99
3) Pyridine	3.934	79	160231	10.169	ng		98
4) n-Nitrosodimethylamine	3.840	42	57187	9.953	ng	#	98
6) Aniline	7.458	93	226529	9.914	ng		99
8) 2-Chlorophenol	7.699	128	139882	10.100	ng		98
9) Benzaldehyde	7.269	77	114655	12.948	ng		97
10) Phenol	7.311	94	182636	9.975	ng		97
11) bis(2-Chloroethyl)ether	7.552	93	148089	10.125	ng		98
12) 1,3-Dichlorobenzene	8.028	146	160884	10.312	ng		98
13) 1,4-Dichlorobenzene	8.175	146	160981	10.198	ng		99
14) 1,2-Dichlorobenzene	8.499	146	153109	10.136	ng		99
15) Benzyl Alcohol	8.381	79	117187	9.442	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.663	45	172644m	10.069	ng		
17) 2-Methylphenol	8.581	107	125012	9.743	ng		99
18) Hexachloroethane	9.234	117	51821	9.956	ng		93
19) n-Nitroso-di-n-propyla...	8.952	70	109393	9.948	ng		99
20) 3+4-Methylphenols	8.905	107	170146	9.721	ng		100
22) Acetophenone	8.969	105	216625	9.742	ng	#	99
24) Nitrobenzene	9.358	77	143589	9.031	ng		99
25) Isophorone	9.887	82	311188	9.578	ng		100
26) 2-Nitrophenol	10.075	139	54886	8.247	ng		98
27) 2,4-Dimethylphenol	10.122	122	126348	9.273	ng		99
28) bis(2-Chloroethoxy)met...	10.363	93	192032	9.861	ng		99
29) 2,4-Dichlorophenol	10.610	162	135959	9.527	ng		98
30) 1,2,4-Trichlorobenzene	10.828	180	156477	9.881	ng		97
31) Naphthalene	11.022	128	443242	9.886	ng		99
32) Benzoic acid	10.199	122	72345	7.422	ng		96
33) 4-Chloroaniline	11.128	127	189921	9.641	ng		99
34) Hexachlorobutadiene	11.305	225	98972	9.846	ng		99
35) Caprolactam	11.893	113	42335m	9.068	ng		
36) 4-Chloro-3-methylphenol	12.234	107	138247	9.209	ng		97
37) 2-Methylnaphthalene	12.616	142	324906	9.638	ng		99
38) 1-Methylnaphthalene	12.834	142	308134	9.730	ng		99
40) 1,2,4,5-Tetrachloroben...	12.975	216	186132	9.545	ng		99
41) Hexachlorocyclopentadiene	12.957	237	68575	7.705	ng		95
43) 2,4,6-Trichlorophenol	13.216	196	117066	9.117	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013671.D
Acq On : 31 Jan 2023 12:30
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 01 03:01:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	13.281	196	135865	9.037	ng	99
46)	1,1'-Biphenyl	13.610	154	424307	9.817	ng	100
47)	2-Chloronaphthalene	13.657	162	326378	9.769	ng	100
48)	2-Nitroaniline	13.857	65	51168	7.167	ng	99
49)	Acenaphthylene	14.498	152	518399	9.622	ng	100
50)	Dimethylphthalate	14.222	163	423297	9.582	ng	99
51)	2,6-Dinitrotoluene	14.340	165	59303	7.511	ng	95
52)	Acenaphthene	14.840	154	338118	10.061	ng	98
53)	3-Nitroaniline	14.675	138	70471	8.184	ng	95
54)	2,4-Dinitrophenol	14.875	184	29040	6.043	ng	97
55)	Dibenzofuran	15.175	168	545650	10.052	ng	98
56)	4-Nitrophenol	14.969	139	60370	7.881	ng	97
57)	2,4-Dinitrotoluene	15.128	165	74877	7.226	ng	94
58)	Fluorene	15.822	166	425966	9.994	ng	99
59)	2,3,4,6-Tetrachlorophenol	15.393	232	122339	9.358	ng	99
60)	Diethylphthalate	15.581	149	414103	9.778	ng	98
61)	4-Chlorophenyl-phenyle...	15.810	204	230347	9.925	ng	97
62)	4-Nitroaniline	15.834	138	67274	7.867	ng	95
63)	Azobenzene	16.104	77	381192	9.743	ng	99
65)	4,6-Dinitro-2-methylph...	15.893	198	42920	6.604	ng	99
66)	n-Nitrosodiphenylamine	16.022	169	375322	10.344	ng	98
67)	4-Bromophenyl-phenylether	16.710	248	137735	9.635	ng	98
68)	Hexachlorobenzene	16.828	284	154076	9.734	ng	96
69)	Atrazine	16.975	200	117238	9.930	ng	97
70)	Pentachlorophenol	17.175	266	104471	8.947	ng	96
71)	Phenanthrene	17.575	178	673259	10.073	ng	100
72)	Anthracene	17.663	178	673127	9.975	ng	99
73)	Carbazole	17.928	167	624672	10.195	ng	99
74)	Di-n-butylphthalate	18.457	149	657913	9.812	ng	99
75)	Fluoranthene	19.522	202	828045	9.951	ng	99
77)	Benzidine	19.692	184	309230	10.828	ng	100
78)	Pyrene	19.875	202	867705	9.755	ng	99
80)	Butylbenzylphthalate	20.728	149	212206	8.739	ng	96
81)	Benzo(a)anthracene	21.586	228	894160	9.737	ng	99
82)	3,3'-Dichlorobenzidine	21.516	252	267817	9.224	ng	98
83)	Chrysene	21.645	228	866770	9.907	ng	99
84)	Bis(2-ethylhexyl)phtha...	21.492	149	380628	9.206	ng	99
85)	Di-n-octyl phthalate	22.475	149	692171	9.168	ng	99
87)	Indeno(1,2,3-cd)pyrene	26.898	276	1169627	9.742	ng	99
88)	Benzo(b)fluoranthene	23.386	252	900076	9.486	ng	99
89)	Benzo(k)fluoranthene	23.439	252	898633	9.455	ng	99
90)	Benzo(a)pyrene	24.069	252	910055	9.662	ng	99
91)	Dibenzo(a,h)anthracene	26.915	278	975507	9.788	ng	99
92)	Benzo(g,h,i)perylene	27.739	276	963855	9.738	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

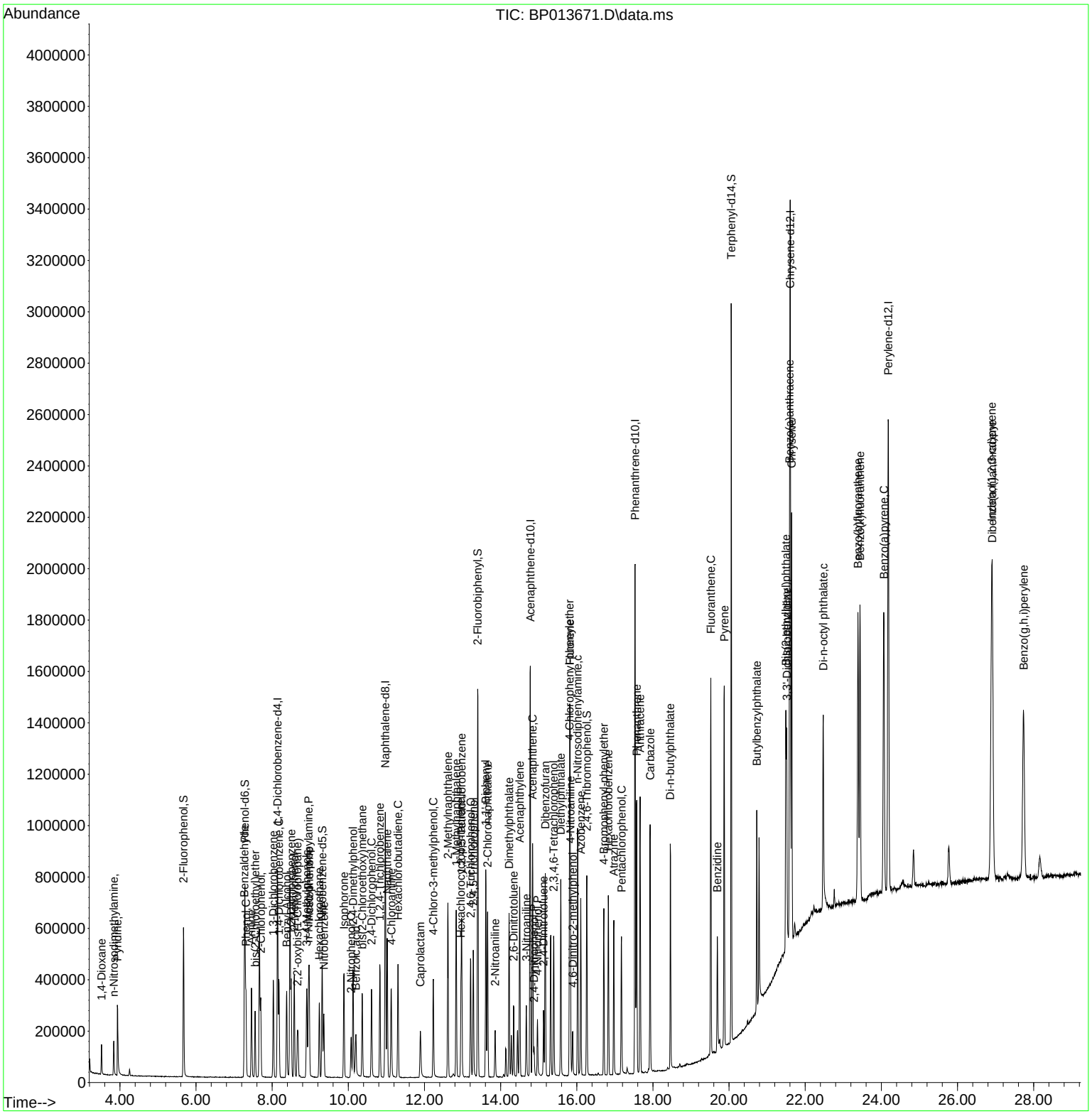
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013671.D
Acq On : 31 Jan 2023 12:30
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

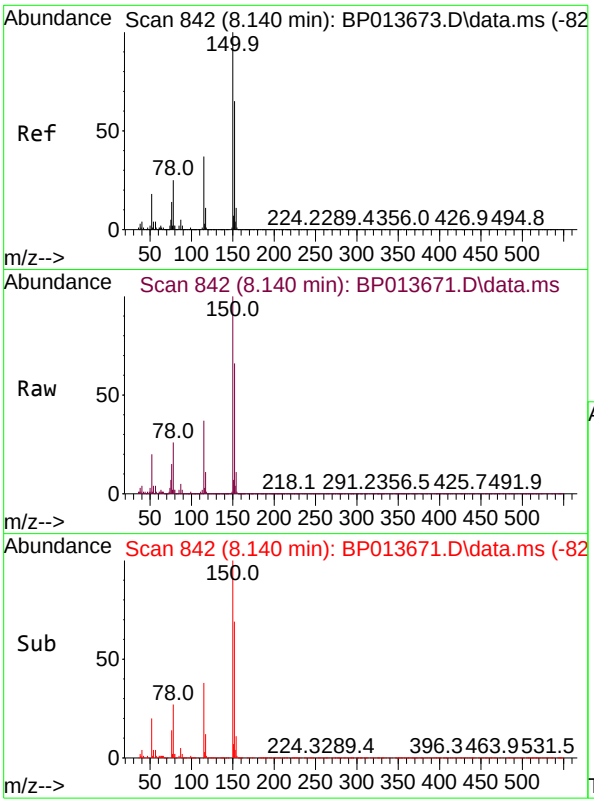
Quant Time: Feb 01 03:01:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

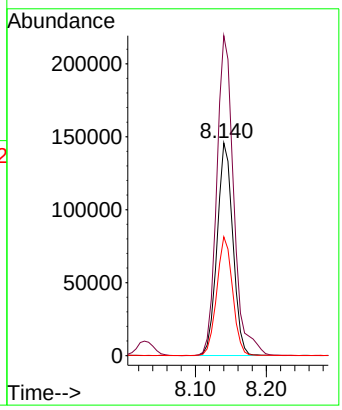




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.140 min Scan# 84
Delta R.T. -0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:152 Resp: 224889

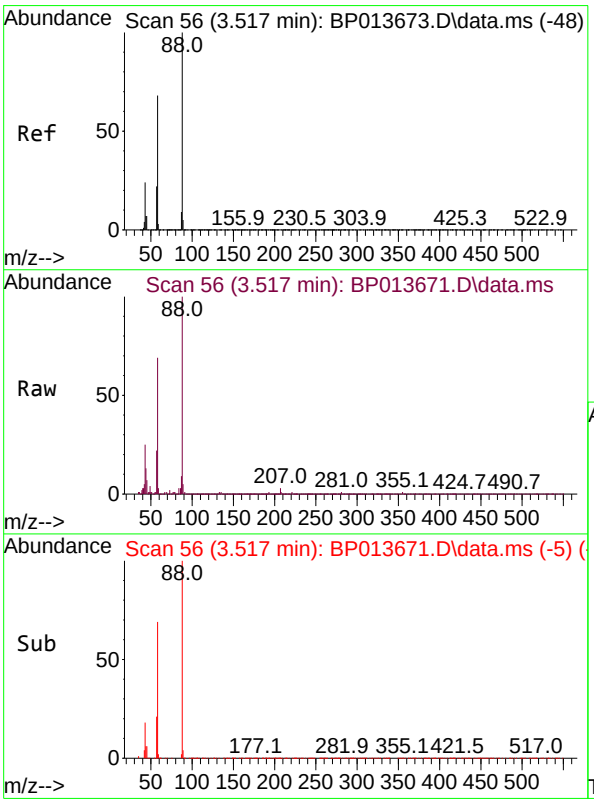
Ion	Ratio	Lower	Upper
152	100		
150	150.4	123.6	185.4
115	55.9	45.4	68.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

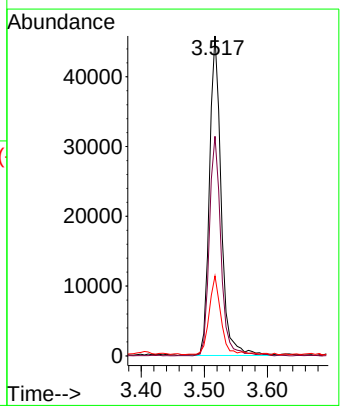
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

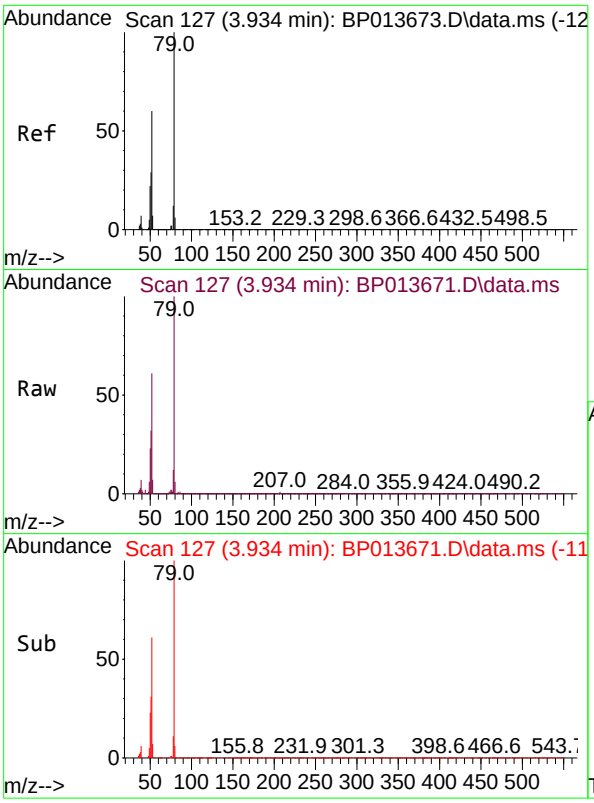


#2
1,4-Dioxane
Concen: 10.631 ng
RT: 3.517 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 88 Resp: 59168

Ion	Ratio	Lower	Upper
88	100		
58	68.0	53.8	80.8
43	24.8	19.8	29.6

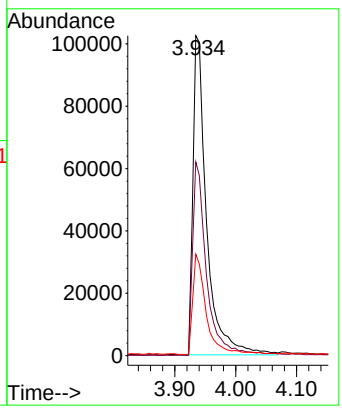




#3
Pyridine
Concen: 10.169 ng
RT: 3.934 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 79 Resp: 16023

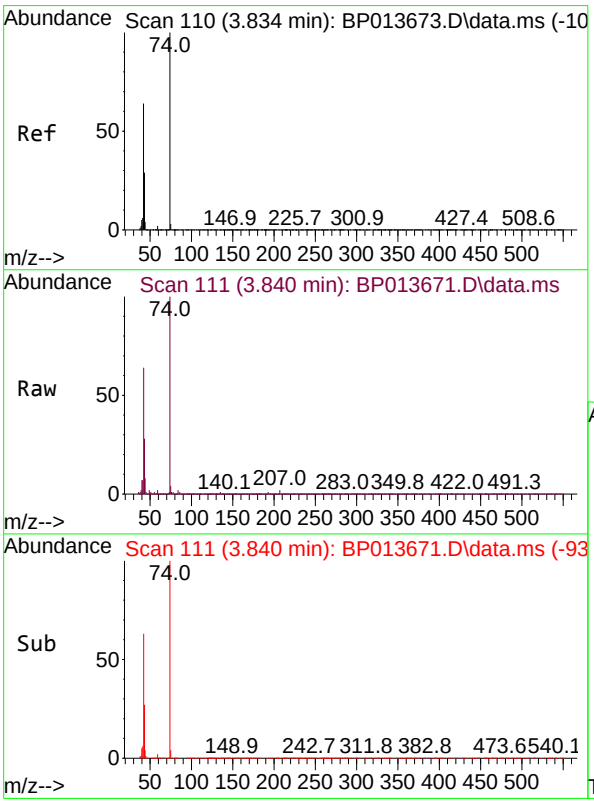
Ion	Ratio	Lower	Upper
79	100		
52	60.5	48.2	72.2
51	31.7	23.6	35.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

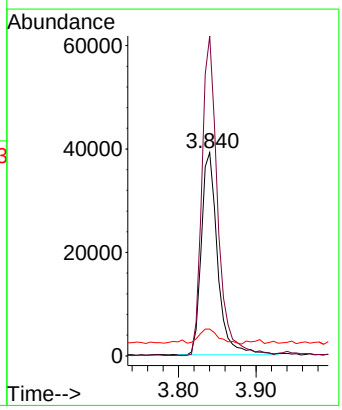
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

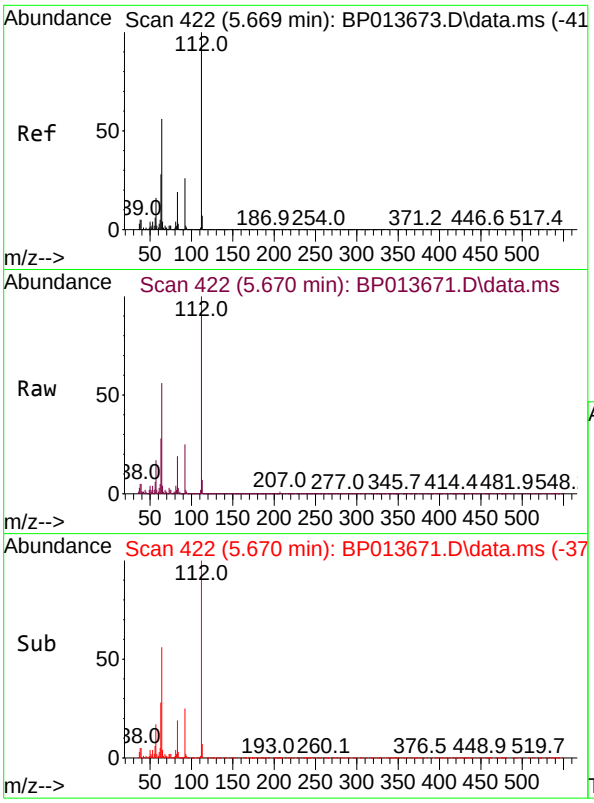


#4
n-Nitrosodimethylamine
Concen: 9.953 ng
RT: 3.840 min Scan# 111
Delta R.T. 0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 42 Resp: 57187

Ion	Ratio	Lower	Upper
42	100		
74	157.5	124.6	187.0
44	13.2	6.3	9.5#

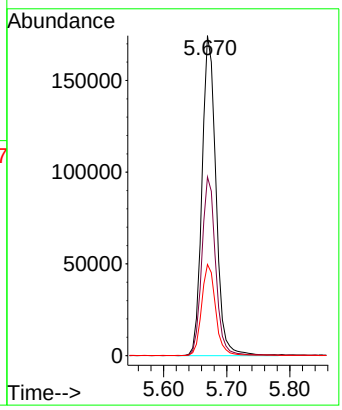




#5
2-Fluorophenol
Concen: 20.297 ng
RT: 5.670 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:112 Resp: 26701

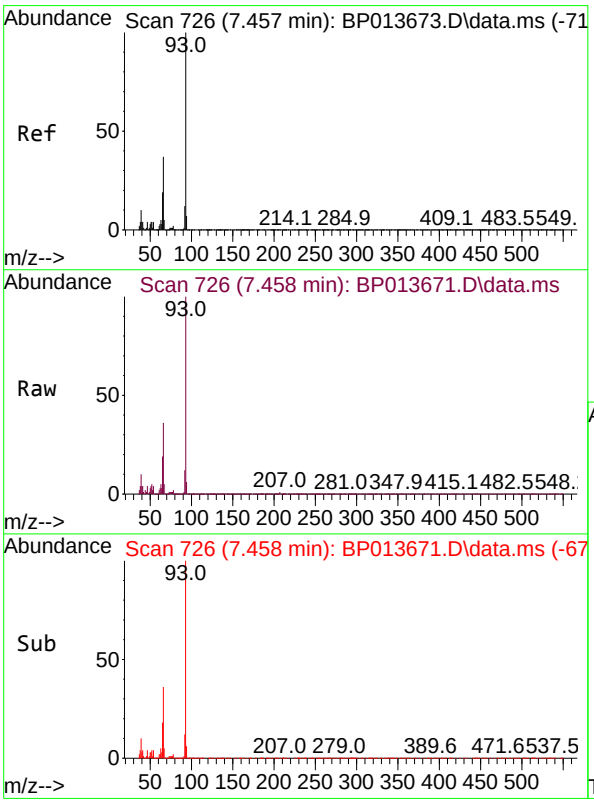
Ion	Ratio	Lower	Upper
112	100		
64	55.8	44.6	67.0
63	28.5	22.6	34.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

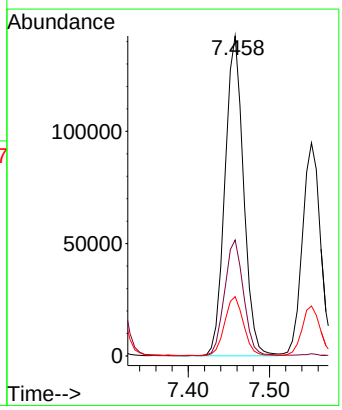
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

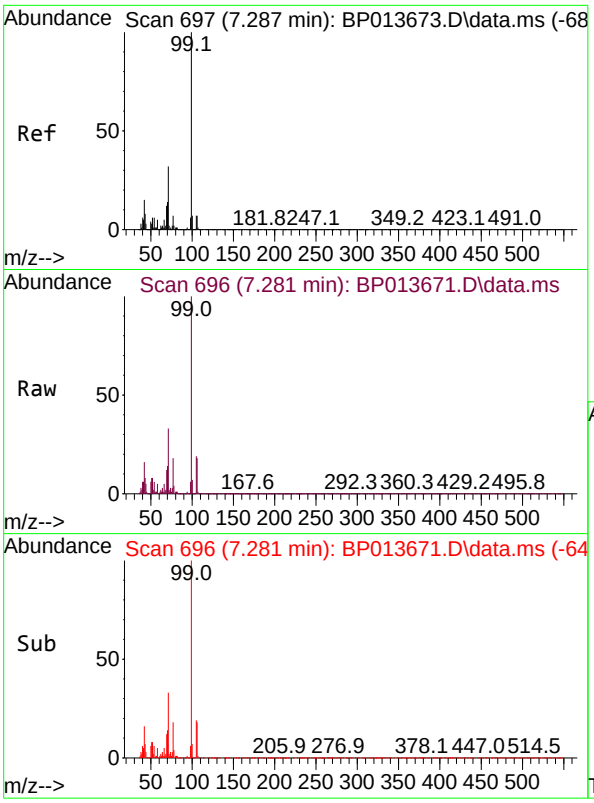


#6
Aniline
Concen: 9.914 ng
RT: 7.458 min Scan# 726
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 93 Resp: 226529

Ion	Ratio	Lower	Upper
93	100		
66	36.2	29.3	43.9
65	18.5	15.1	22.7





#7
Phenol-d6
Concen: 19.931 ng
RT: 7.281 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

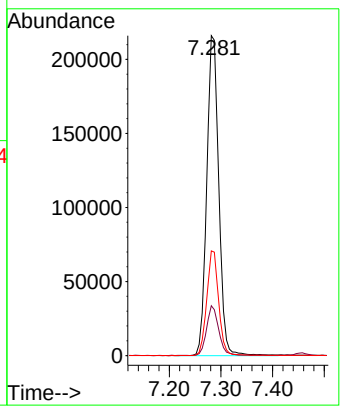
Tgt Ion: 99 Resp: 34932

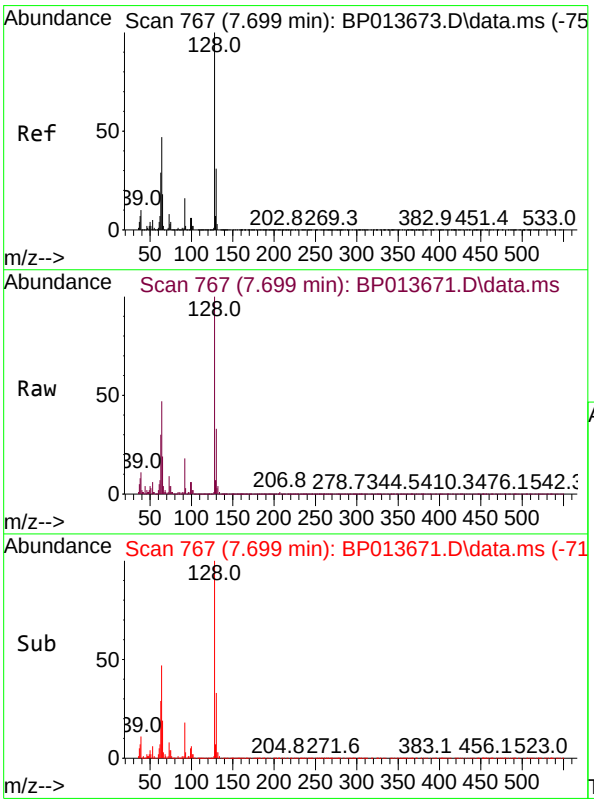
Ion	Ratio	Lower	Upper
99	100		
42	15.6	11.8	17.6
71	32.7	25.6	38.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

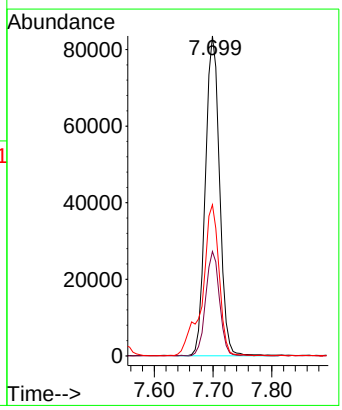


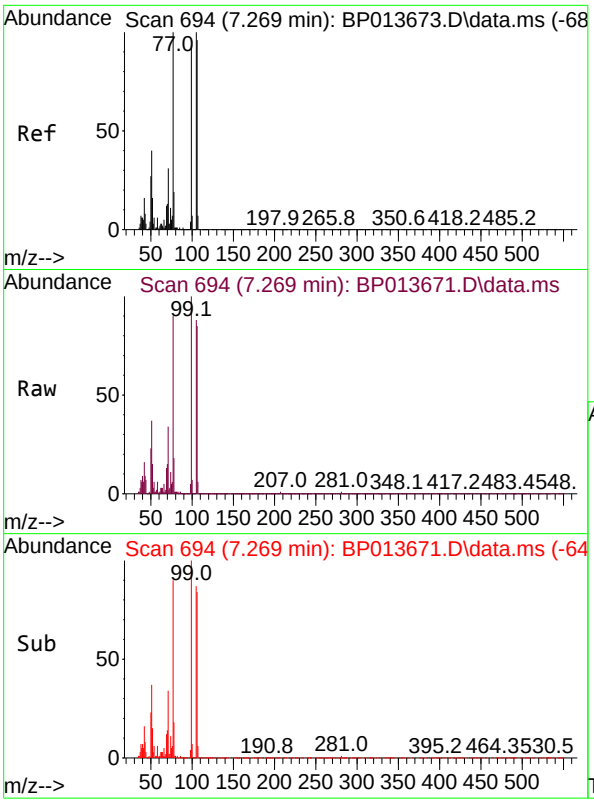


#8
2-Chlorophenol
Concen: 10.100 ng
RT: 7.699 min Scan# 767
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:128 Resp: 139882

Ion	Ratio	Lower	Upper
128	100		
130	32.6	10.8	50.8
64	47.2	26.9	66.9

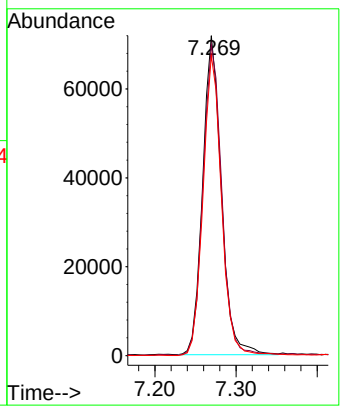




#9
Benzaldehyde
Concen: 12.948 ng
RT: 7.269 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 77 Resp: 11465

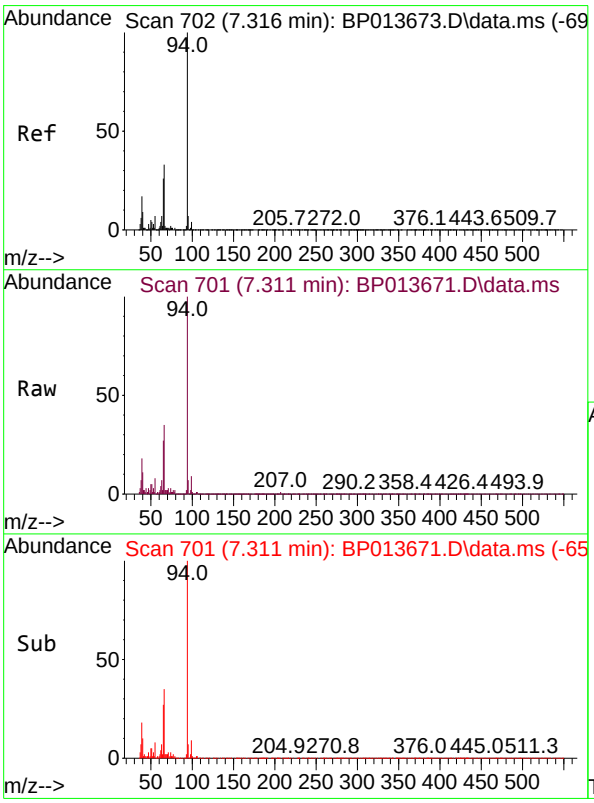
Ion	Ratio	Lower	Upper
77	100		
105	97.1	80.4	120.4
106	93.8	76.7	116.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

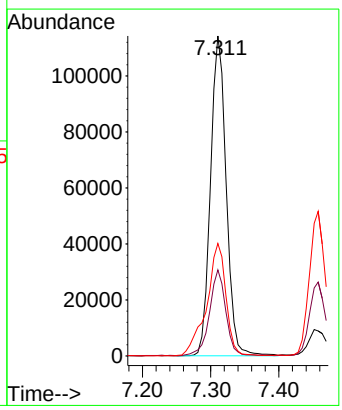
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

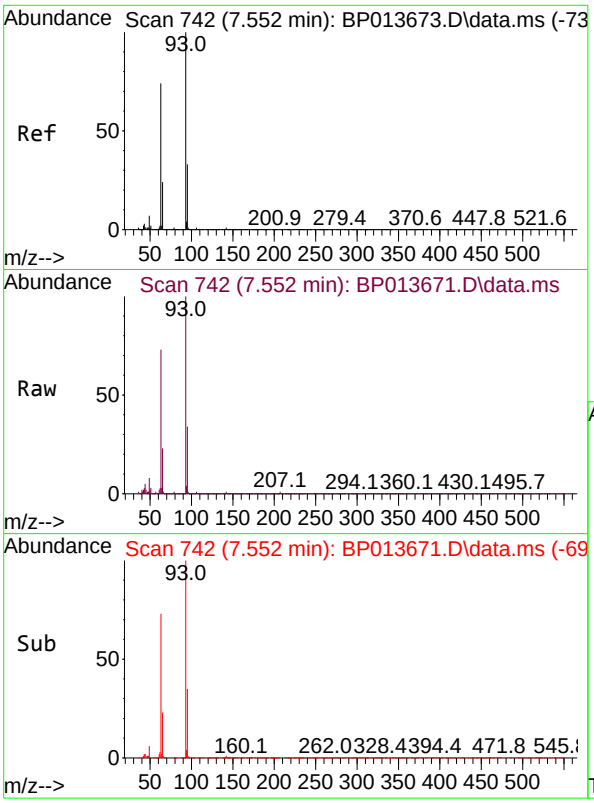


#10
Phenol
Concen: 9.975 ng
RT: 7.311 min Scan# 701
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 94 Resp: 182636

Ion	Ratio	Lower	Upper
94	100		
65	26.9	6.0	46.0
66	35.1	13.1	53.1

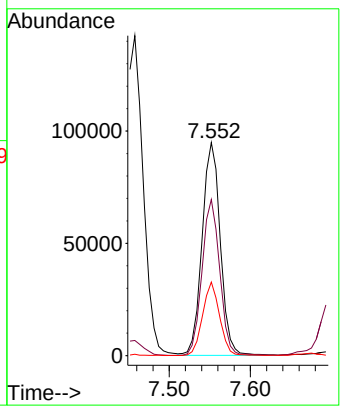




#11
bis(2-Chloroethyl)ether
Concen: 10.125 ng
RT: 7.552 min Scan# 74
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 93 Resp: 14808

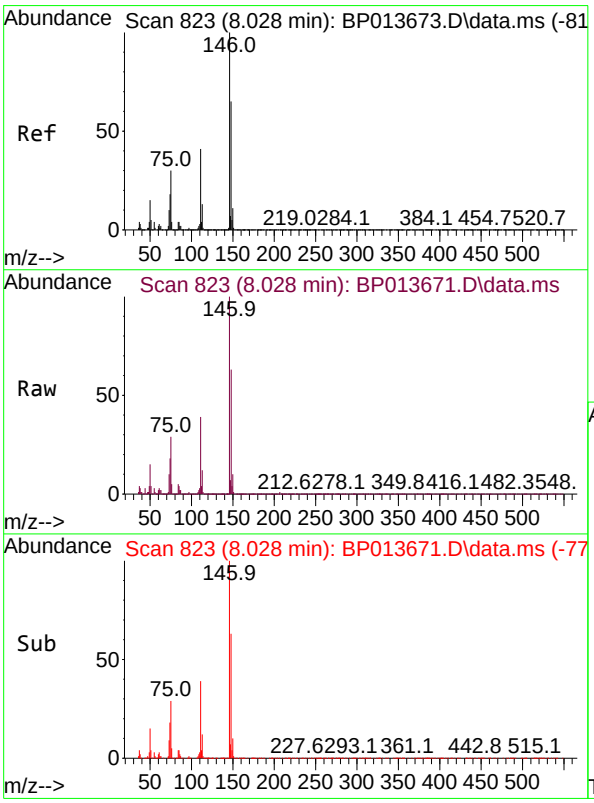
Ion	Ratio	Lower	Upper
93	100		
63	73.2	53.7	93.7
95	34.5	12.4	52.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

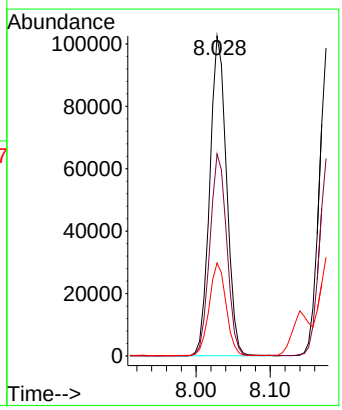
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

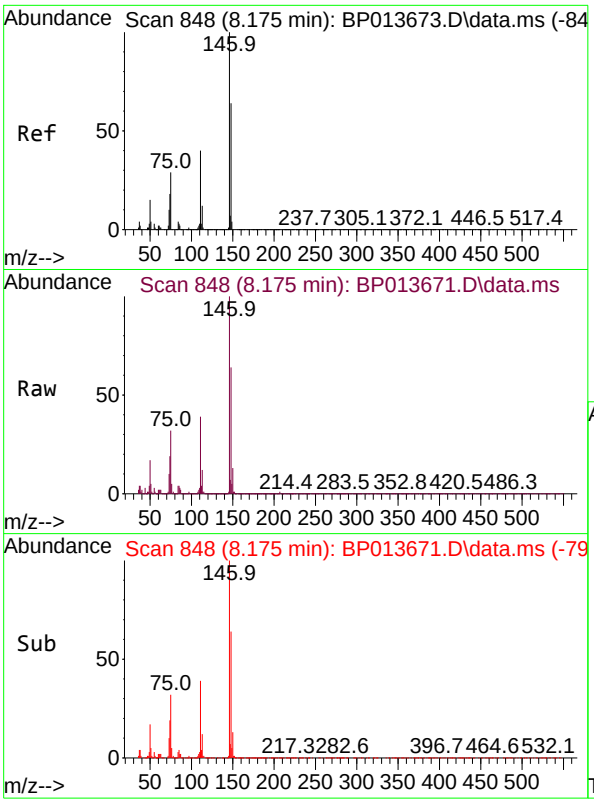


#12
1,3-Dichlorobenzene
Concen: 10.312 ng
RT: 8.028 min Scan# 823
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:146 Resp: 160884

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.9	77.9
75	29.0	24.0	36.0

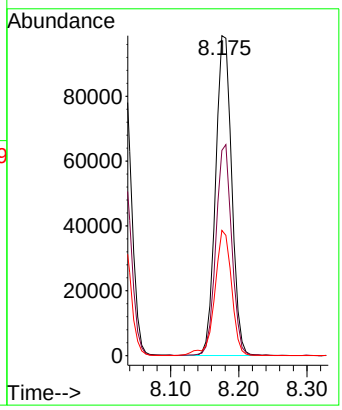




#13
1,4-Dichlorobenzene
Concen: 10.198 ng
RT: 8.175 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:146 Resp: 16098

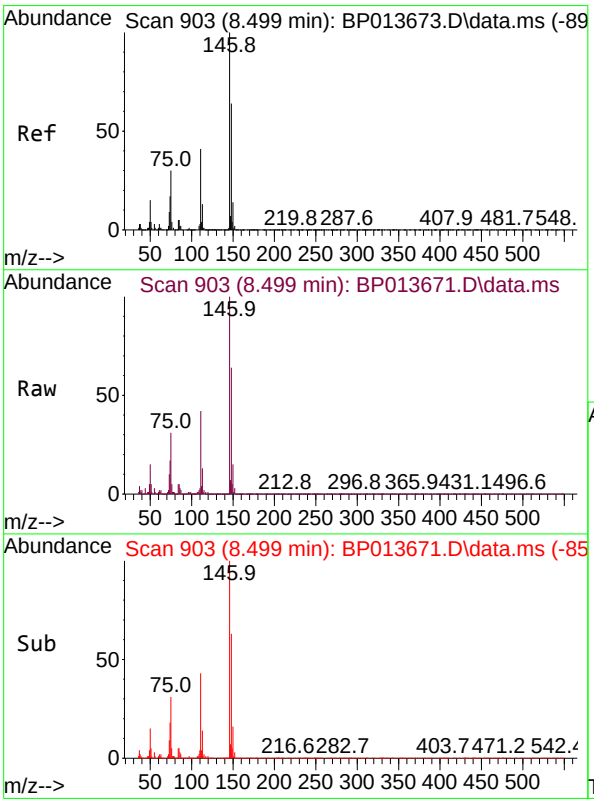
Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.5	77.3
111	39.1	32.0	48.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

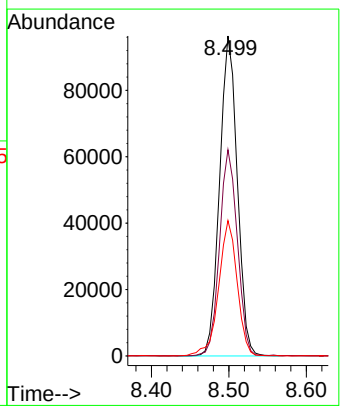
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

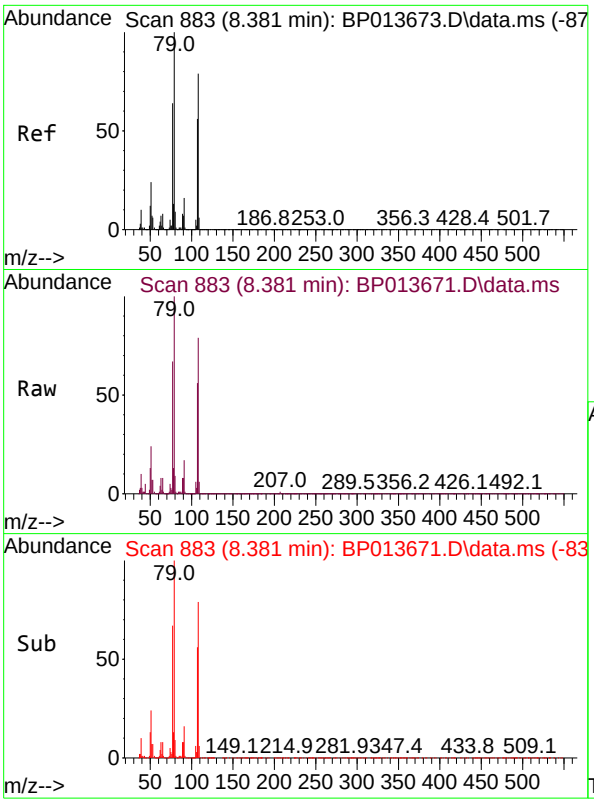


#14
1,2-Dichlorobenzene
Concen: 10.136 ng
RT: 8.499 min Scan# 903
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:146 Resp: 153109

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.3	76.9
111	42.3	32.8	49.2

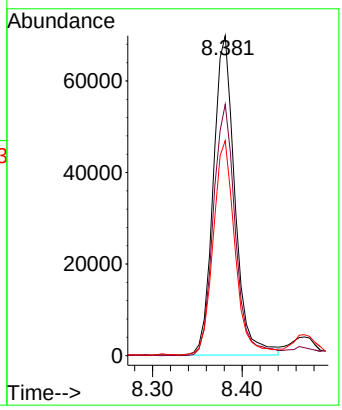




#15
Benzyl Alcohol
Concen: 9.442 ng
RT: 8.381 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 79 Resp: 11718

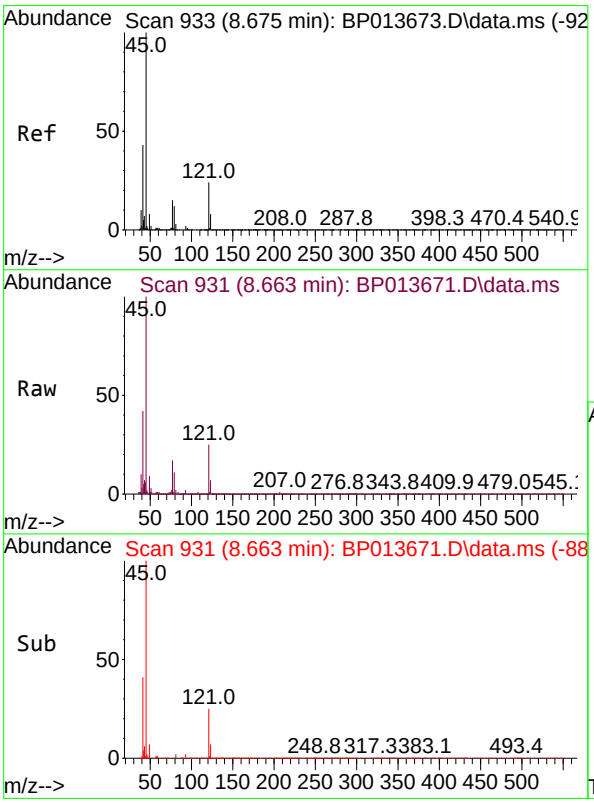
Ion	Ratio	Lower	Upper
79	100		
108	78.5	62.9	94.3
77	67.2	51.1	76.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

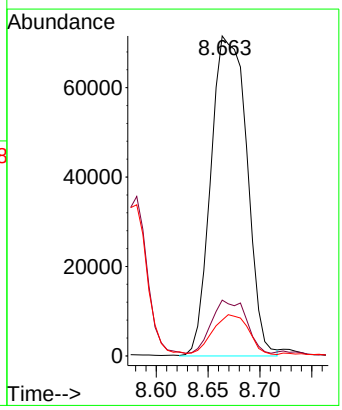
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

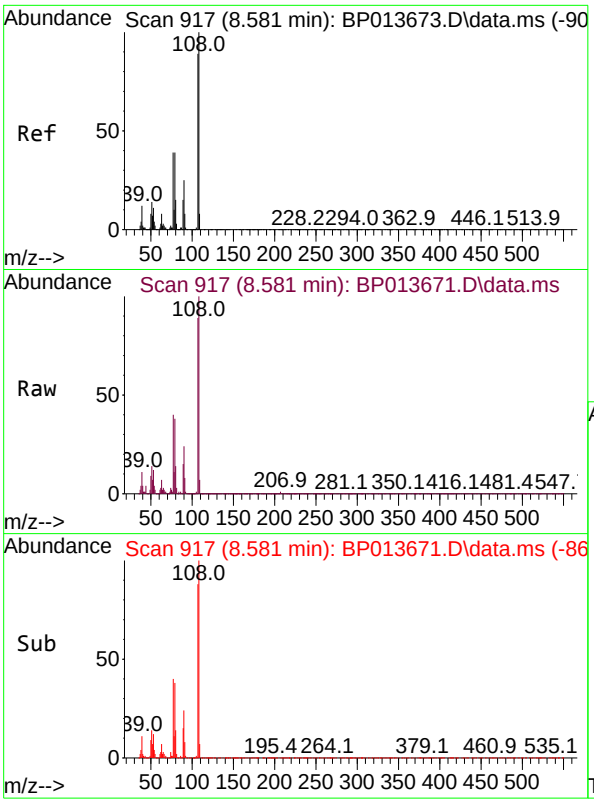


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.069 ng m
RT: 8.663 min Scan# 931
Delta R.T. -0.012 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 45 Resp: 172644

Ion	Ratio	Lower	Upper
45	100		
77	17.4	0.0	36.4
79	11.2	0.0	33.4

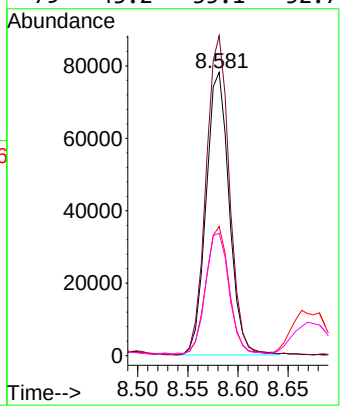




#17
2-Methylphenol
Concen: 9.743 ng
RT: 8.581 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:107 Resp: 12501

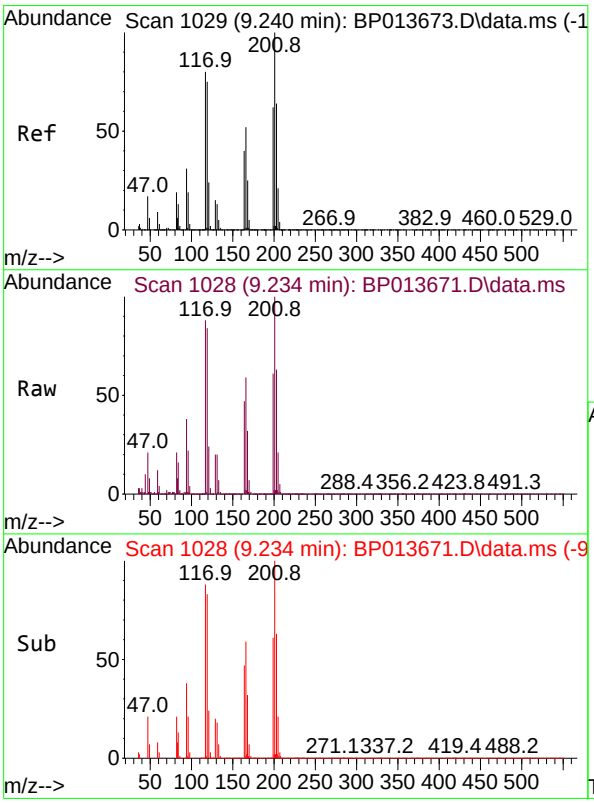
Ion	Ratio	Lower	Upper
107	100		
108	113.0	90.0	135.0
77	45.6	35.7	53.5
79	43.2	35.1	52.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

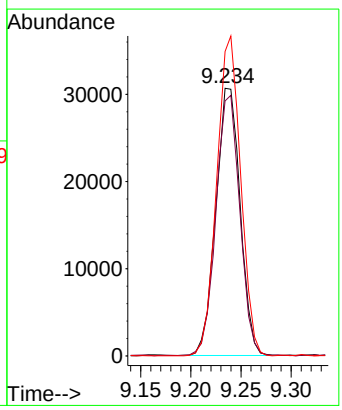
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

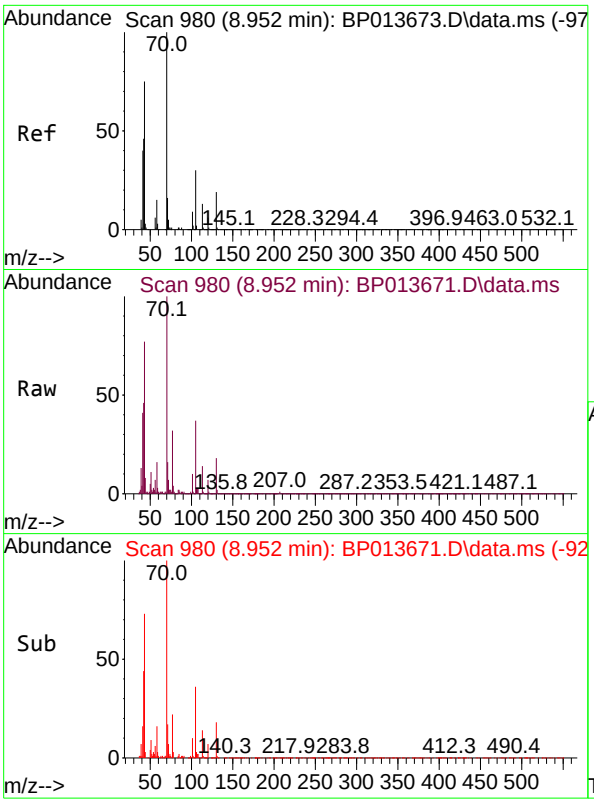


#18
Hexachloroethane
Concen: 9.956 ng
RT: 9.234 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:117 Resp: 51821

Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.0	112.4
201	113.8	100.4	150.6

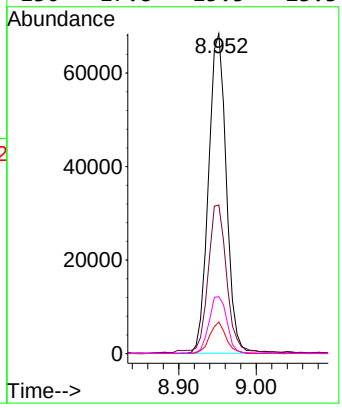




#19
n-Nitroso-di-n-propylamine
Concen: 9.948 ng
RT: 8.952 min Scan# 98
Delta R.T. -0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 70 Resp: 10939

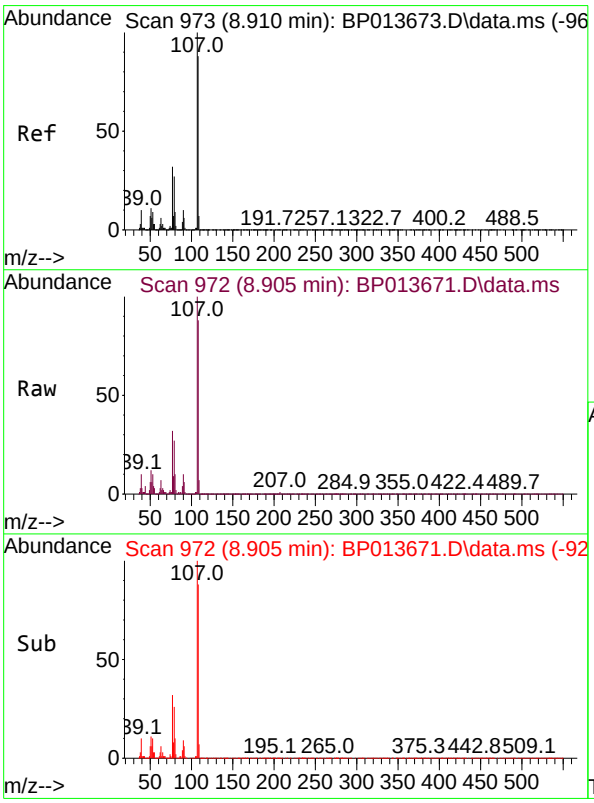
Ion	Ratio	Lower	Upper
70	100		
42	46.5	37.2	55.8
101	9.9	7.4	11.2
130	17.8	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

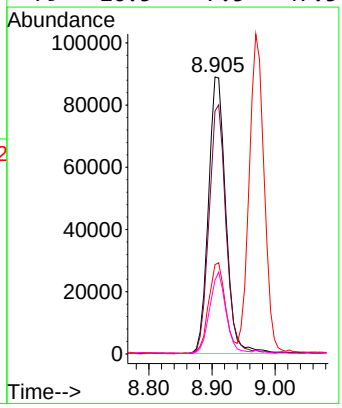
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

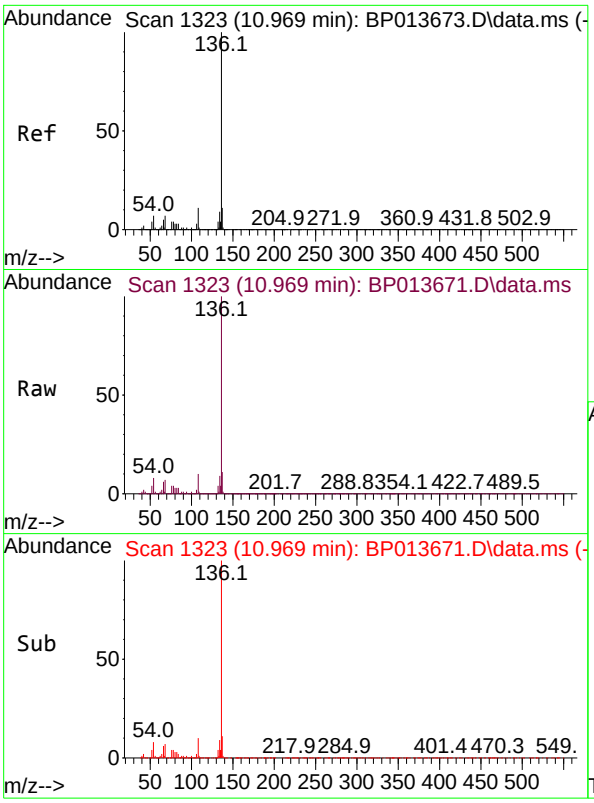


#20
3+4-Methylphenols
Concen: 9.721 ng
RT: 8.905 min Scan# 972
Delta R.T. -0.005 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:107 Resp: 170146

Ion	Ratio	Lower	Upper
107	100		
108	87.7	67.7	107.7
77	32.2	12.0	52.0
79	26.5	7.5	47.5

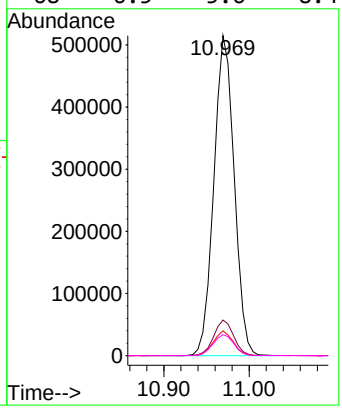




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:136 Resp: 85269

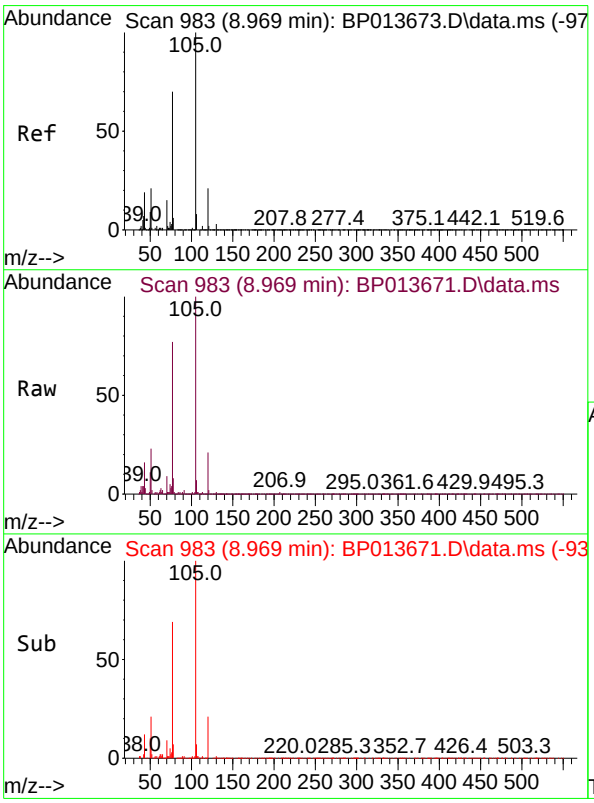
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.7	6.0	9.0
68	6.5	5.6	8.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

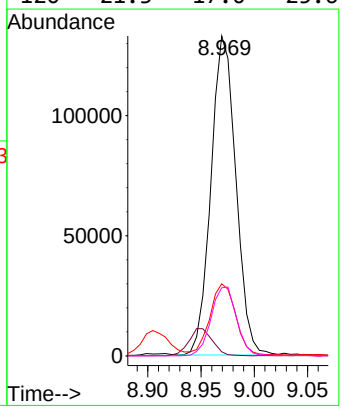
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

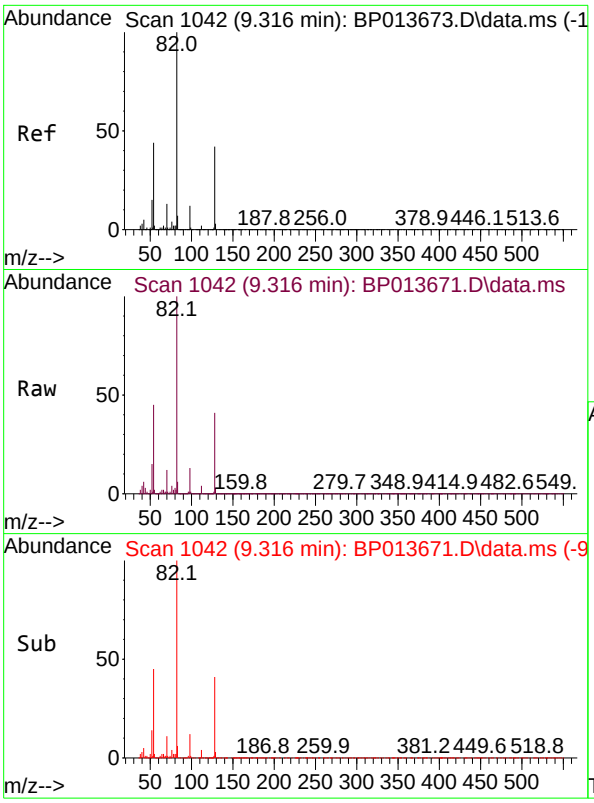


#22
Acetophenone
Concen: 9.742 ng
RT: 8.969 min Scan# 983
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:105 Resp: 216625

Ion	Ratio	Lower	Upper
105	100		
71	1.3	2.2	3.2#
51	22.5	18.6	27.8
120	21.3	17.0	25.6

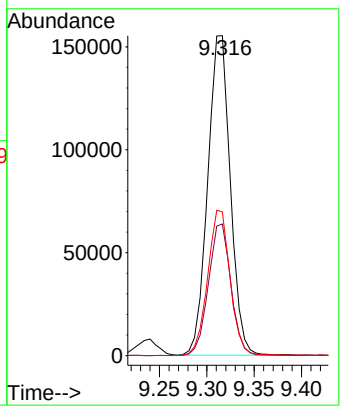




#23
Nitrobenzene-d5
Concen: 17.594 ng
RT: 9.316 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 82 Resp: 25790

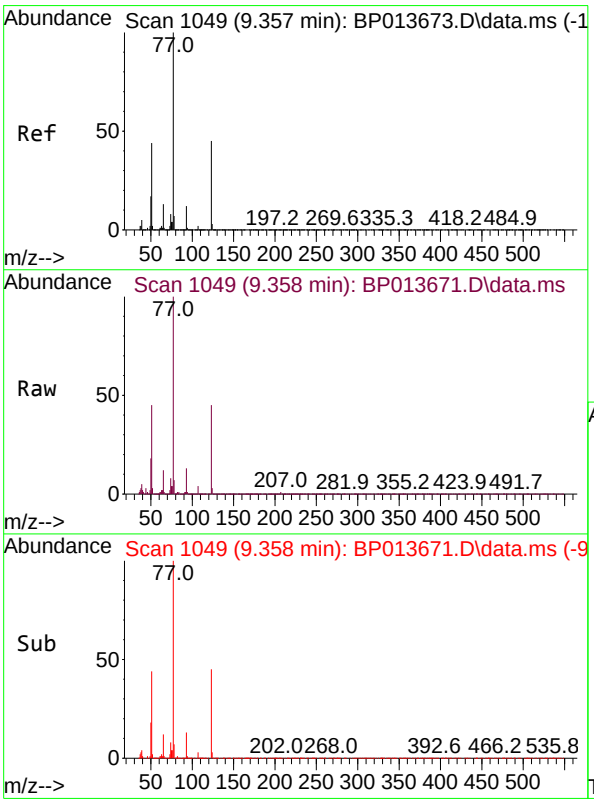
Ion	Ratio	Lower	Upper
82	100		
128	41.1	33.4	50.0
54	44.9	35.4	53.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

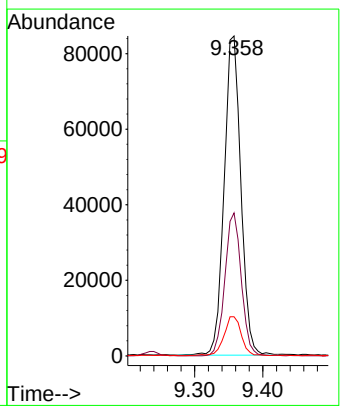
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

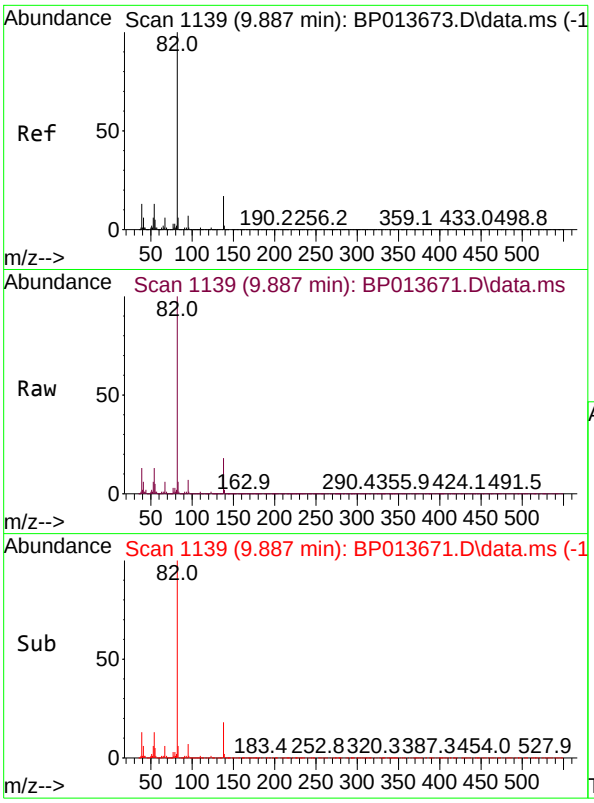


#24
Nitrobenzene
Concen: 9.031 ng
RT: 9.358 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 77 Resp: 143589

Ion	Ratio	Lower	Upper
77	100		
123	44.7	35.9	53.9
65	12.2	10.2	15.4

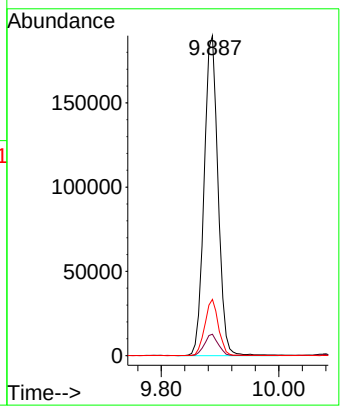




#25
Isophorone
Concen: 9.578 ng
RT: 9.887 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 82 Resp: 311188

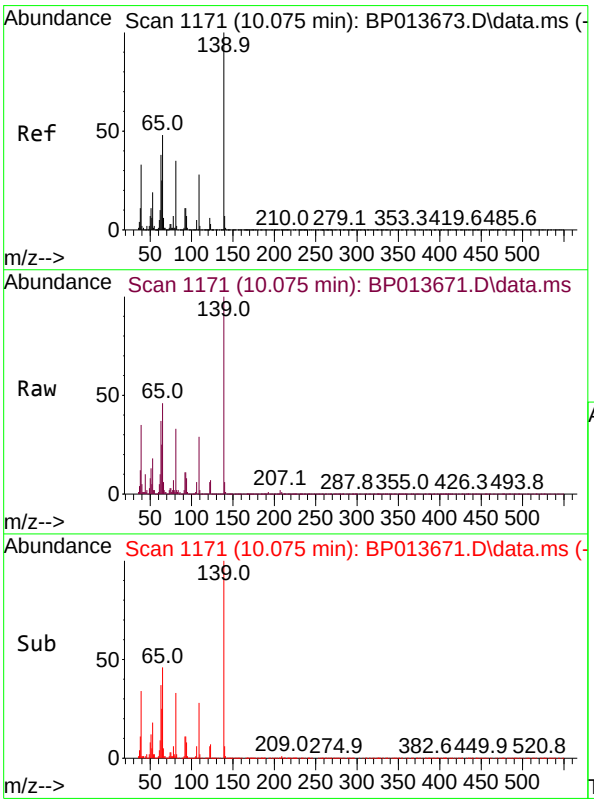
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	17.6	13.9	20.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

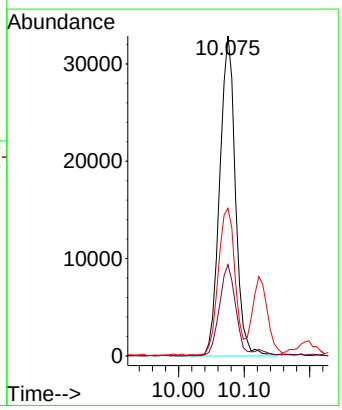
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

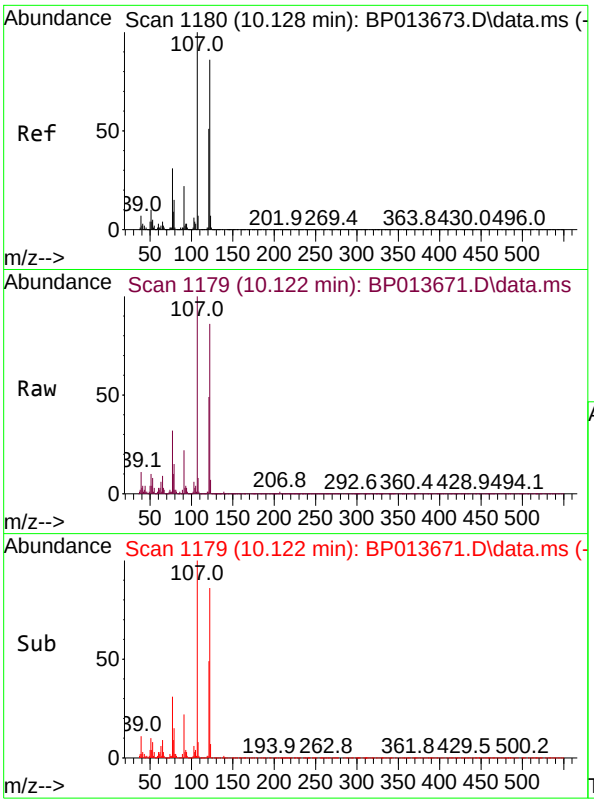


#26
2-Nitrophenol
Concen: 8.247 ng
RT: 10.075 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:139 Resp: 54886

Ion	Ratio	Lower	Upper
139	100		
109	28.5	22.7	34.1
65	46.1	38.8	58.2





#27
2,4-Dimethylphenol
Concen: 9.273 ng
RT: 10.122 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

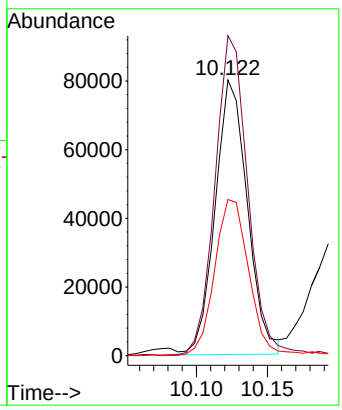
Tgt Ion:122 Resp: 12634

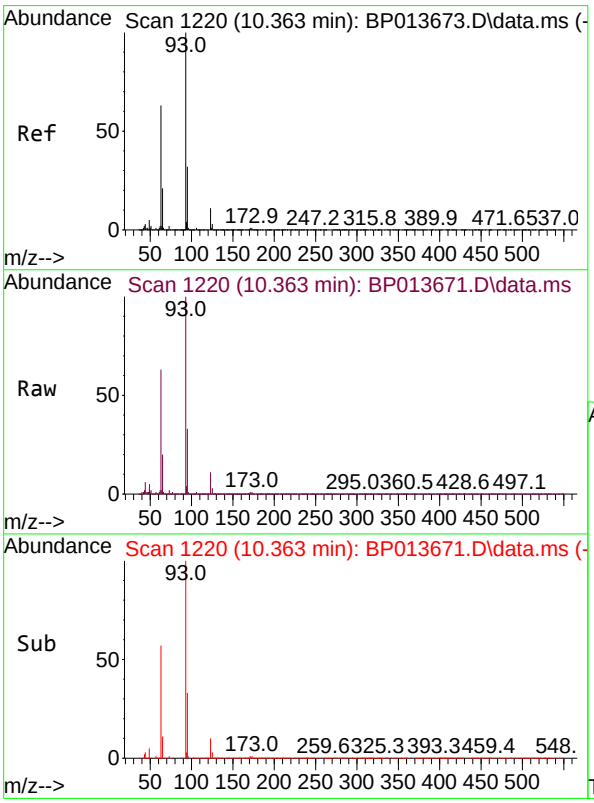
Ion	Ratio	Lower	Upper
122	100		
107	116.1	93.0	139.6
121	56.7	47.0	70.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

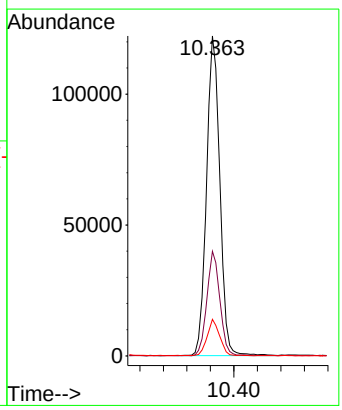


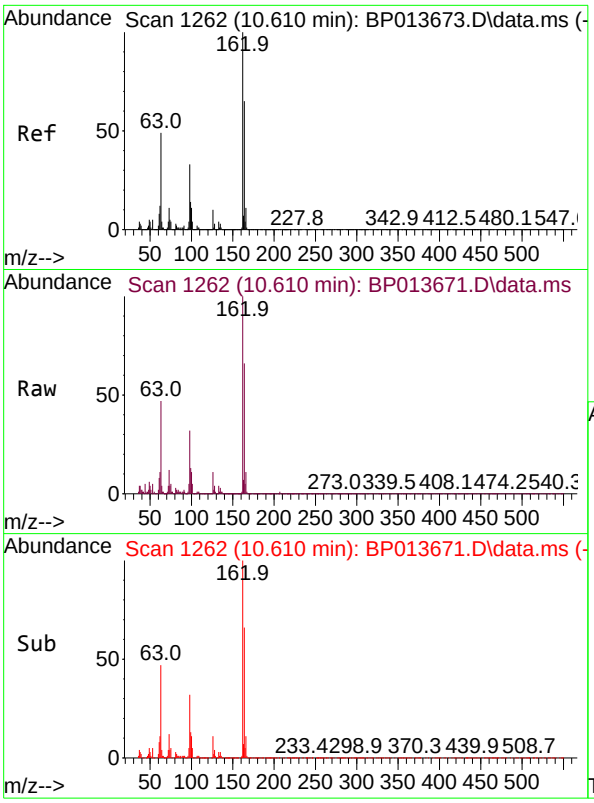


#28
bis(2-Chloroethoxy)methane
Concen: 9.861 ng
RT: 10.363 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 93 Resp: 192032

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.0	39.0
123	11.4	8.7	13.1

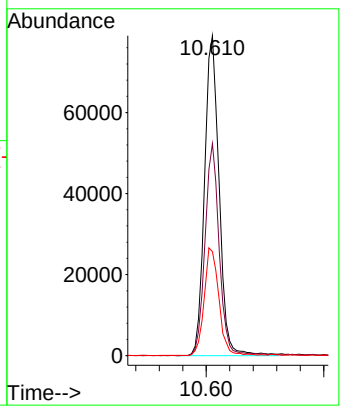




#29
2,4-Dichlorophenol
Concen: 9.527 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:162 Resp: 13595

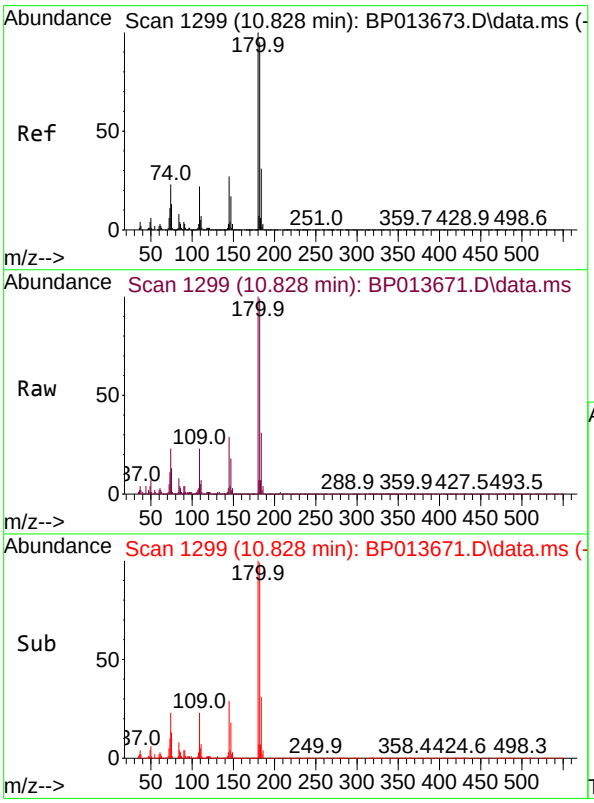
Ion	Ratio	Lower	Upper
162	100		
164	66.3	44.8	84.8
98	32.5	13.4	53.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

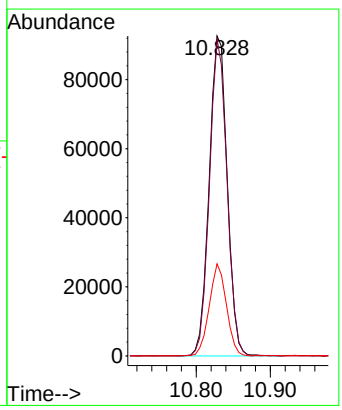
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

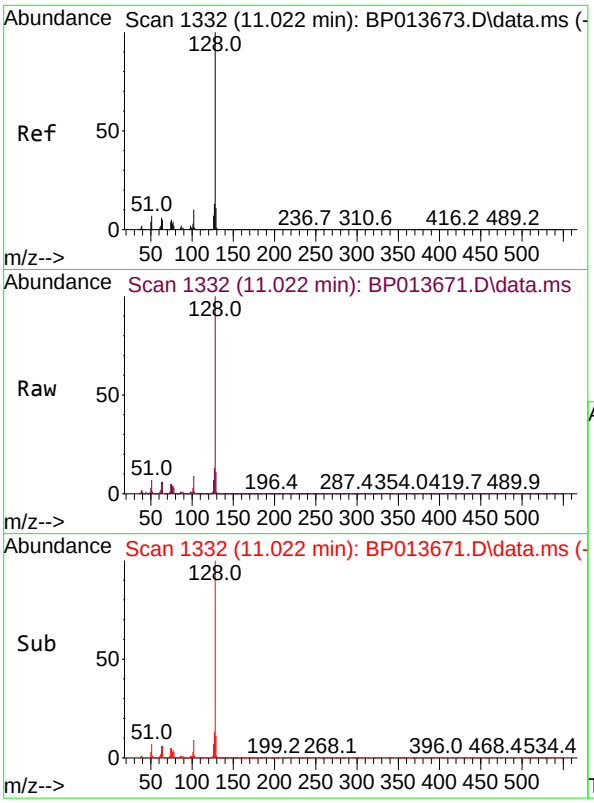


#30
1,2,4-Trichlorobenzene
Concen: 9.881 ng
RT: 10.828 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:180 Resp: 156477

Ion	Ratio	Lower	Upper
180	100		
182	99.0	76.4	114.6
145	28.8	21.9	32.9

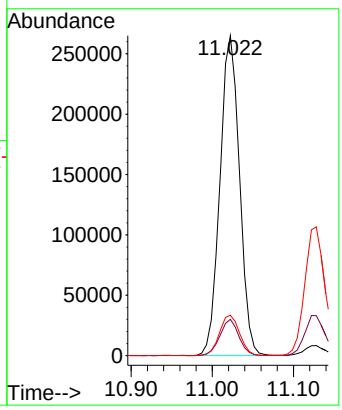




#31
Naphthalene
Concen: 9.886 ng
RT: 11.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:128 Resp: 44324

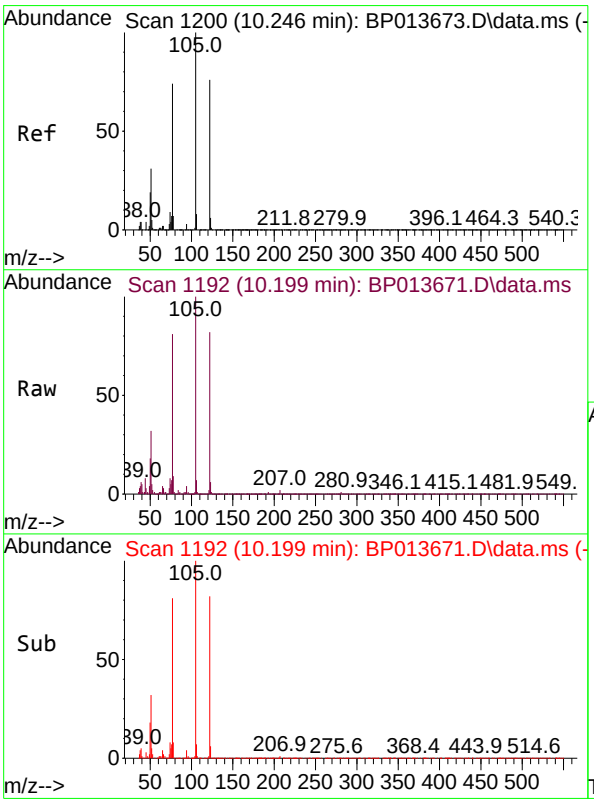
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	12.6	10.5	15.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

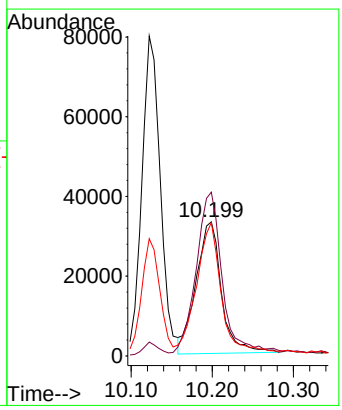
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

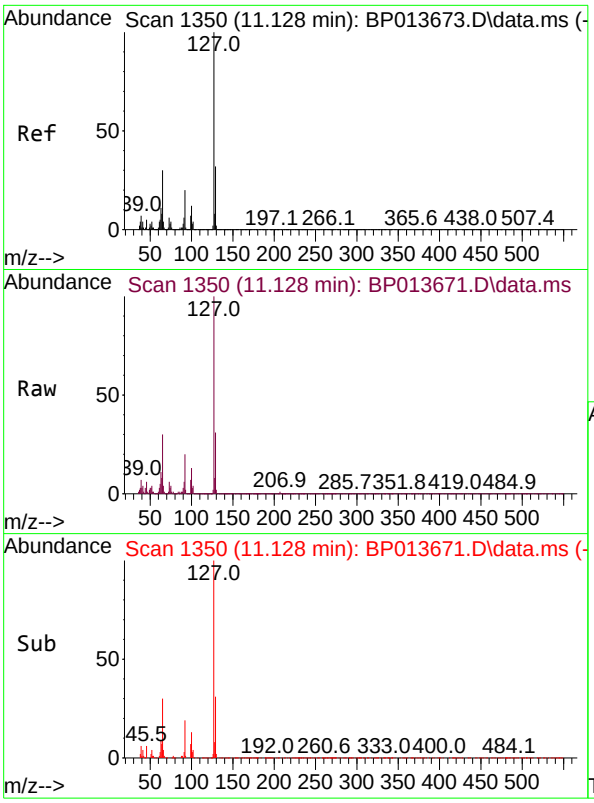


#32
Benzoic acid
Concen: 7.422 ng
RT: 10.199 min Scan# 1192
Delta R.T. -0.047 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:122 Resp: 72345

Ion	Ratio	Lower	Upper
122	100		
105	122.3	105.5	145.5
77	99.5	74.7	114.7

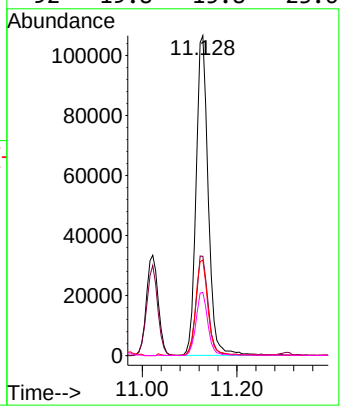




#33
4-Chloroaniline
Concen: 9.641 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:127 Resp: 18992

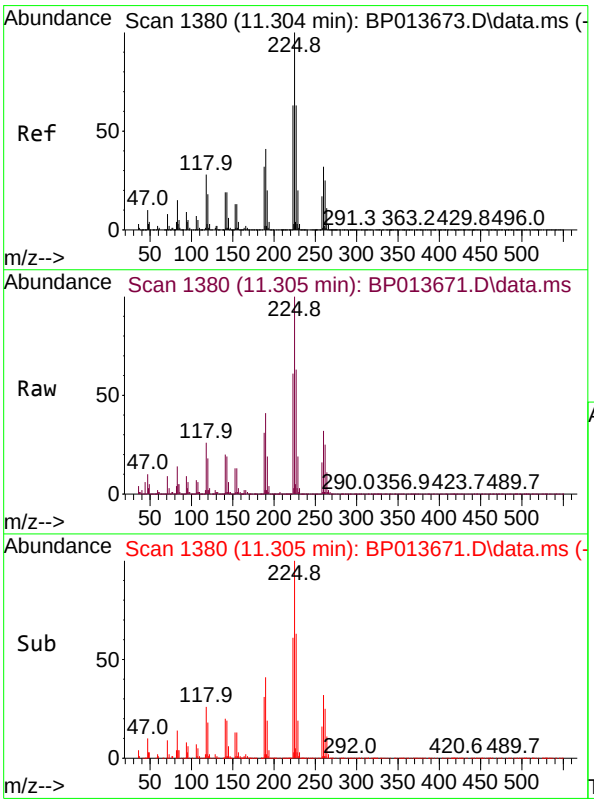
Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.3	37.9
65	29.9	23.8	35.8
92	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

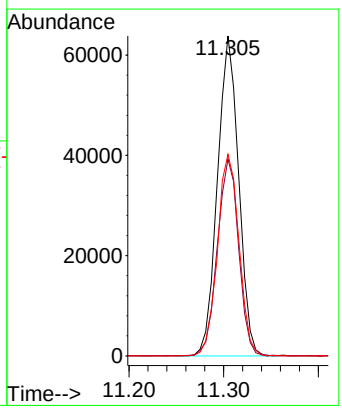
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

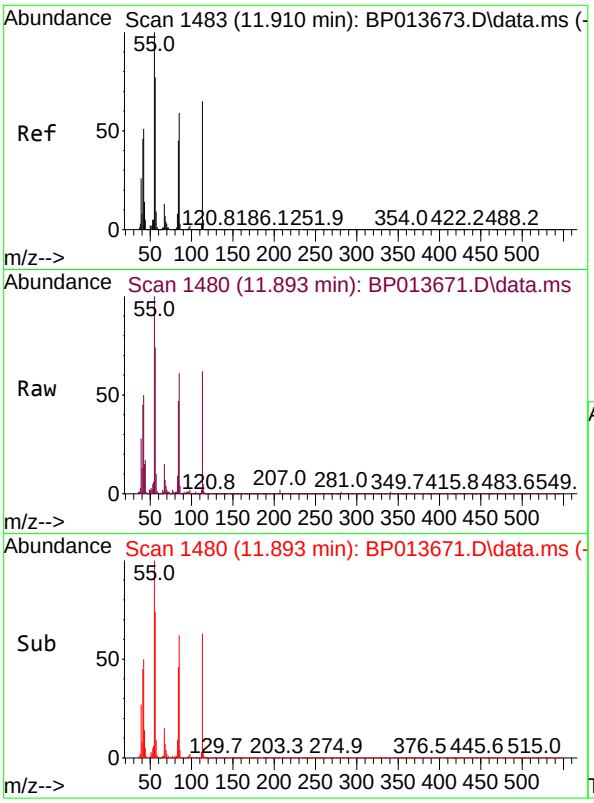


#34
Hexachlorobutadiene
Concen: 9.846 ng
RT: 11.305 min Scan# 1380
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:225 Resp: 98972

Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.5	75.7
227	63.0	50.6	75.8





#35
Caprolactam
Concen: 9.068 ng m
RT: 11.893 min Scan# 14
Delta R.T. -0.017 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

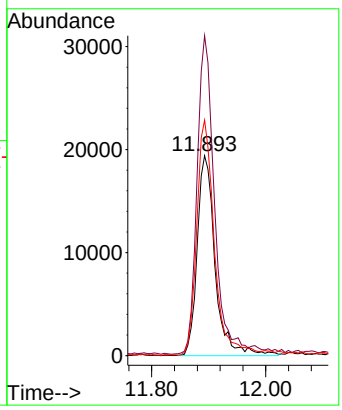
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

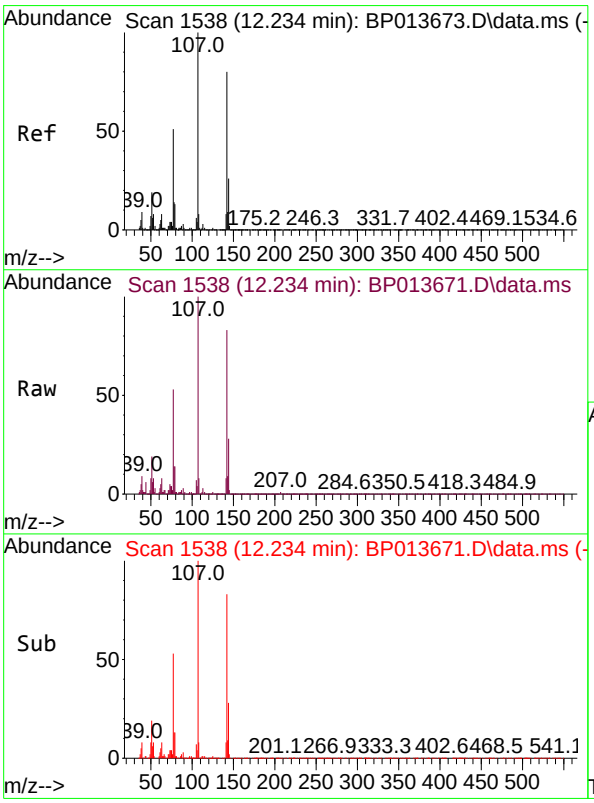
Tgt Ion:113 Resp: 4233

Ion	Ratio	Lower	Upper
113	100		
55	160.1	133.0	173.0
56	117.8	97.4	137.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

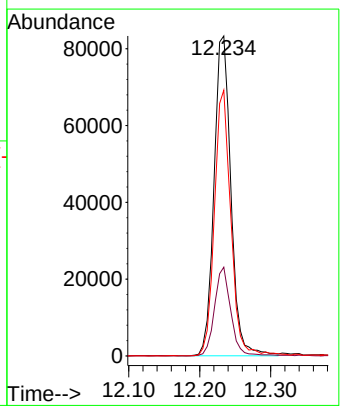


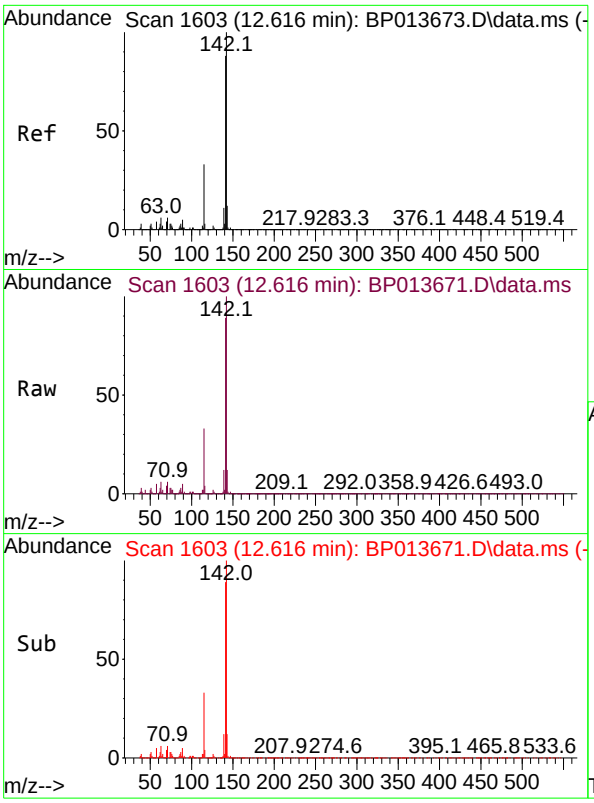


#36
4-Chloro-3-methylphenol
Concen: 9.209 ng
RT: 12.234 min Scan# 1538
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:107 Resp: 138247

Ion	Ratio	Lower	Upper
107	100		
144	27.7	20.8	31.2
142	83.0	64.0	96.0

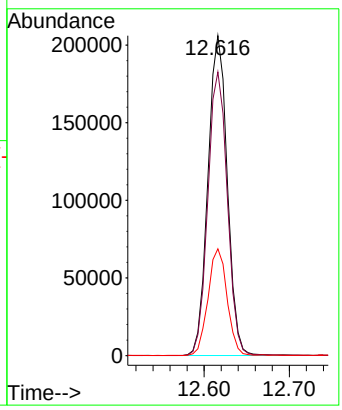




#37
2-Methylnaphthalene
Concen: 9.638 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:142 Resp: 32490

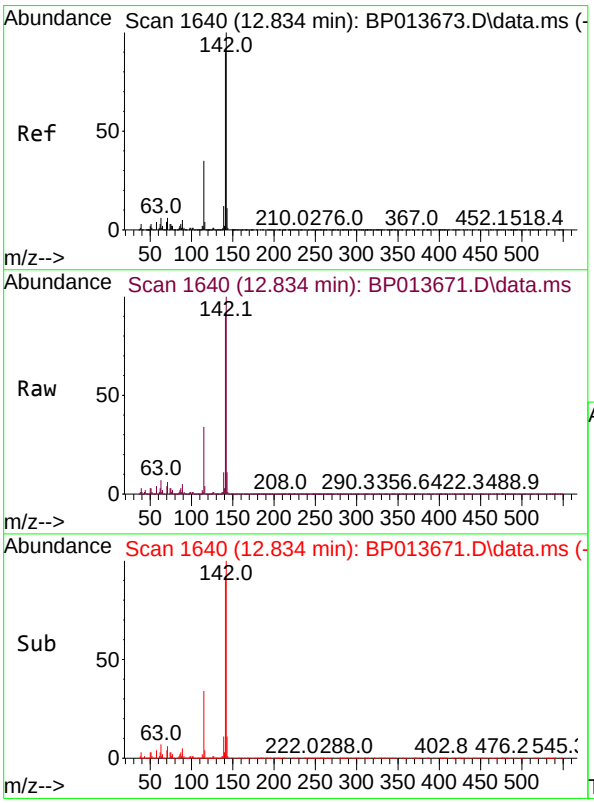
Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.3	105.5
115	33.4	26.4	39.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

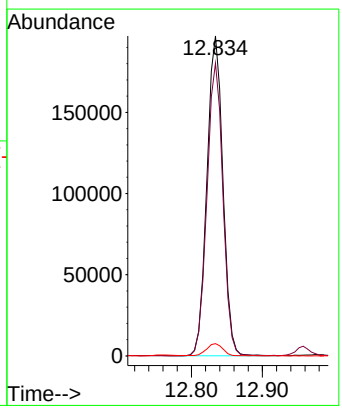
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

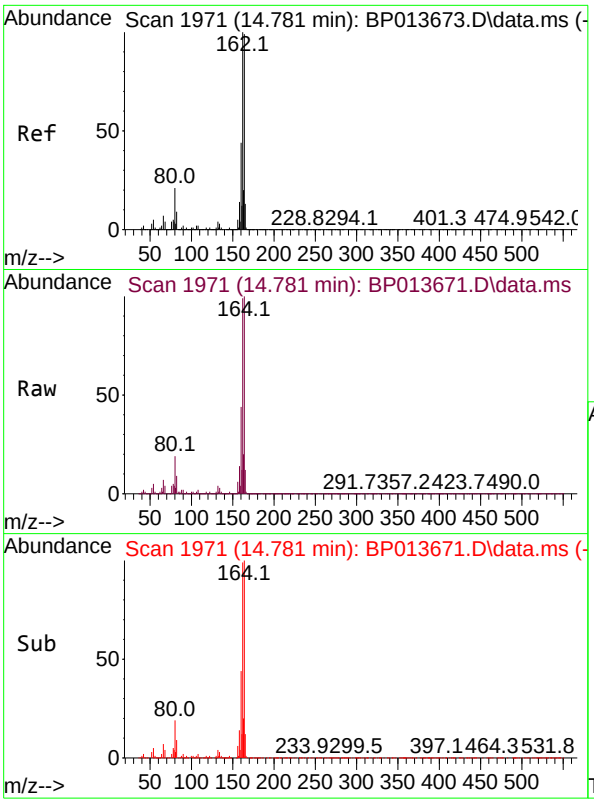


#38
1-Methylnaphthalene
Concen: 9.730 ng
RT: 12.834 min Scan# 1640
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:142 Resp: 308134

Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.2	108.4
116	3.8	3.0	4.4

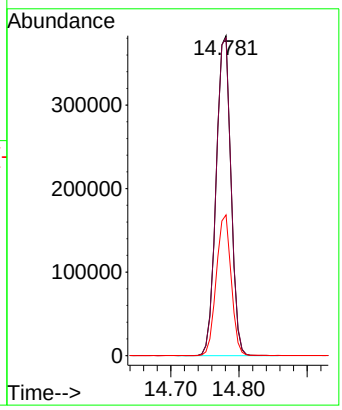




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.781 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:164 Resp: 571169

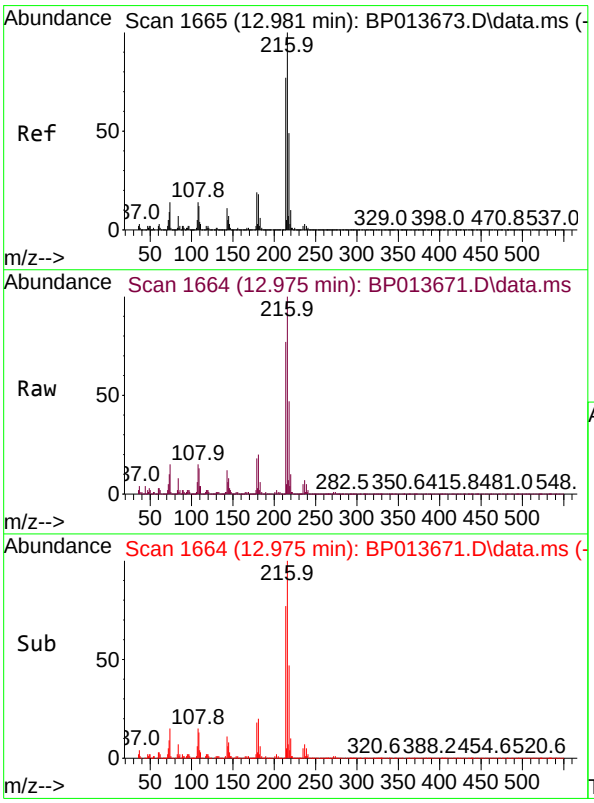
Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.8	121.2
160	44.0	35.6	53.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

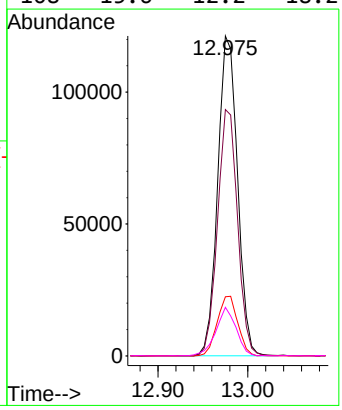
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

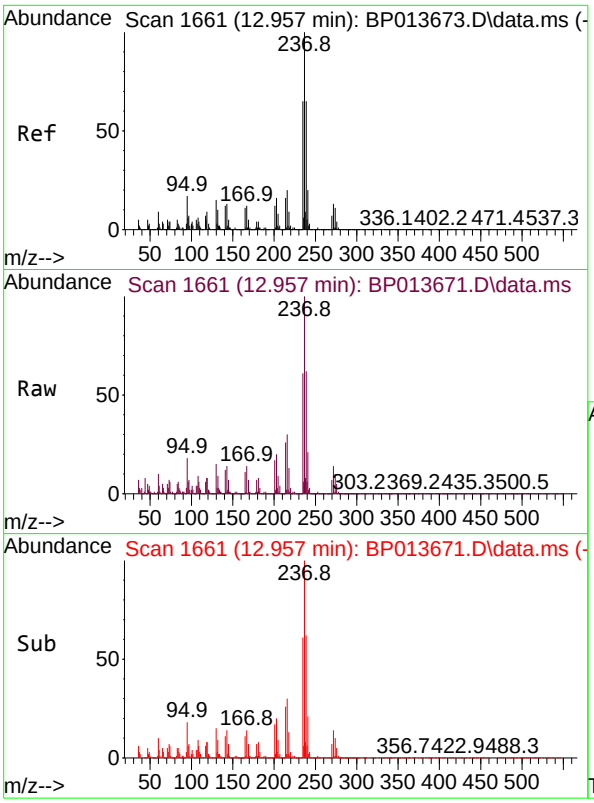


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.545 ng
RT: 12.975 min Scan# 1664
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:216 Resp: 186132

Ion	Ratio	Lower	Upper
216	100		
214	77.8	62.6	94.0
179	19.5	15.2	22.8
108	15.6	12.2	18.2

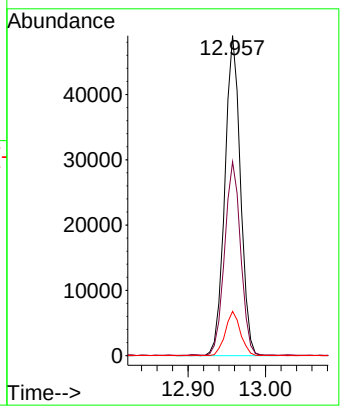




#41
Hexachlorocyclopentadiene
Concen: 7.705 ng
RT: 12.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:237 Resp: 6857

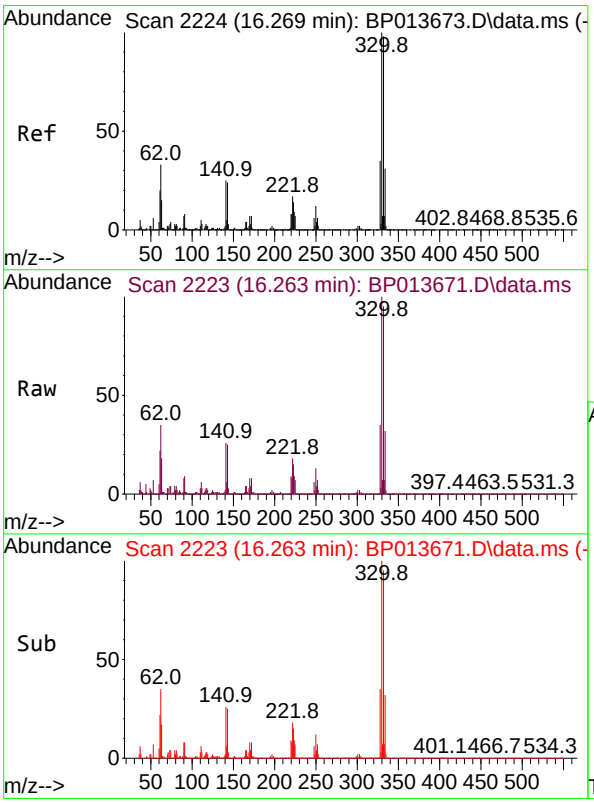
Ion	Ratio	Lower	Upper
237	100		
235	60.6	44.6	84.6
272	13.8	0.0	33.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

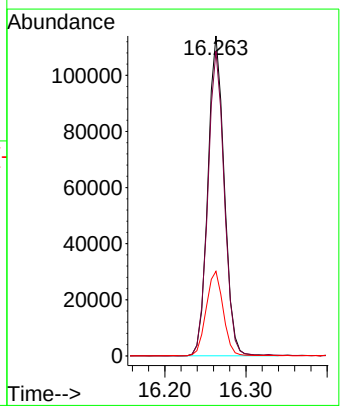
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

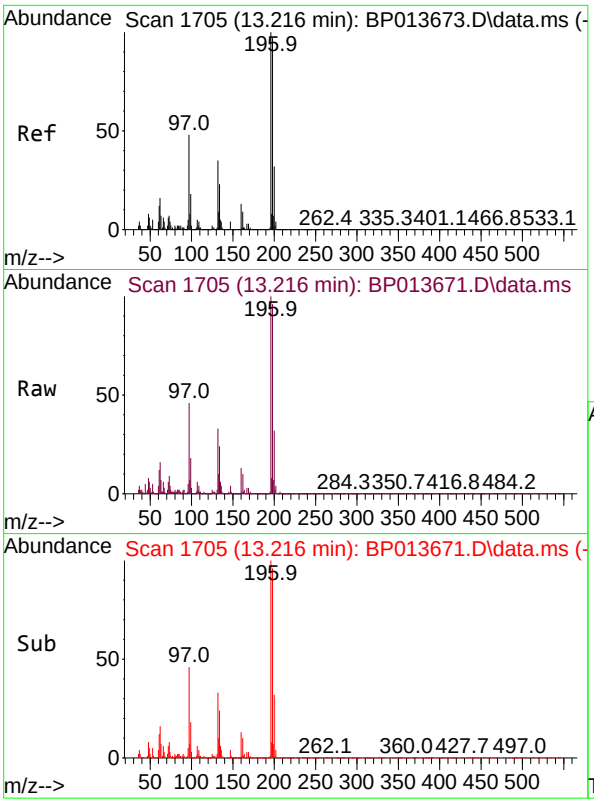


#42
2,4,6-Tribromophenol
Concen: 18.620 ng
RT: 16.263 min Scan# 2223
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:330 Resp: 159516

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.4	116.2
141	27.5	21.3	31.9

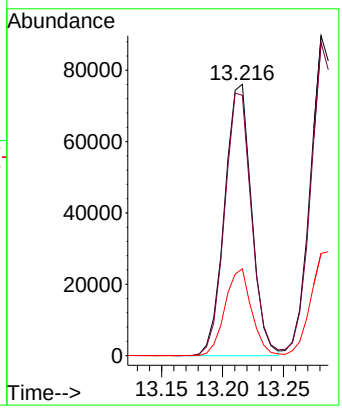




#43
2,4,6-Trichlorophenol
Concen: 9.117 ng
RT: 13.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:196 Resp: 11706

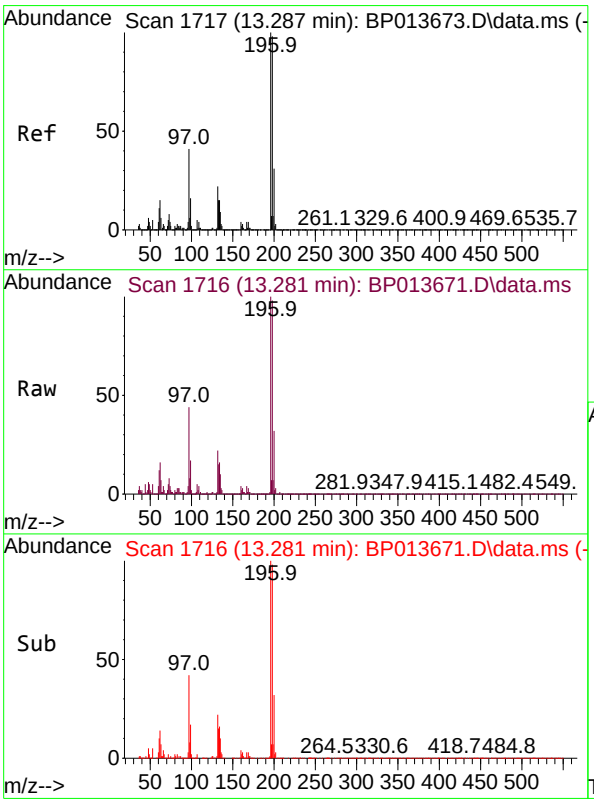
Ion	Ratio	Lower	Upper
196	100		
198	95.9	77.5	116.3
200	32.0	25.3	37.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

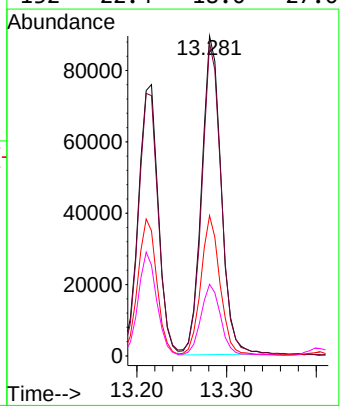
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

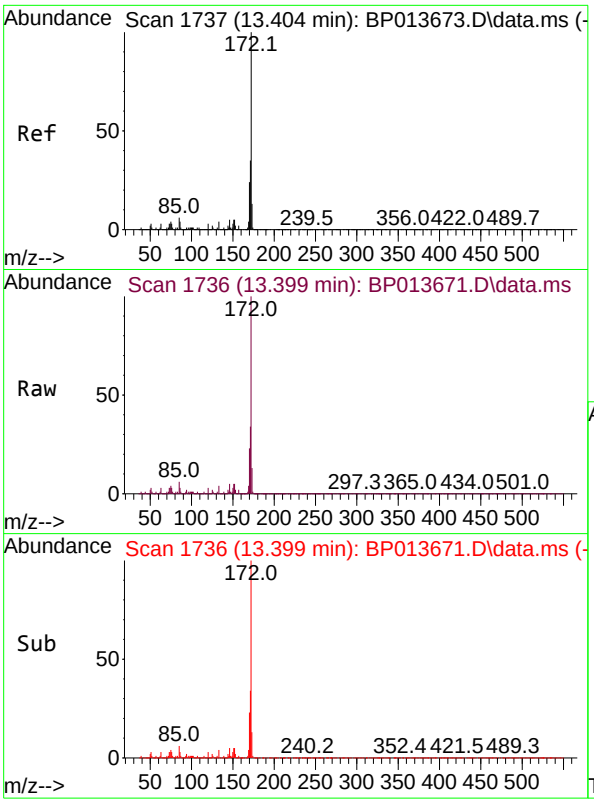


#44
2,4,5-Trichlorophenol
Concen: 9.037 ng
RT: 13.281 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:196 Resp: 135865

Ion	Ratio	Lower	Upper
196	100		
198	97.8	78.2	117.2
97	43.8	33.2	49.8
132	22.4	18.0	27.0

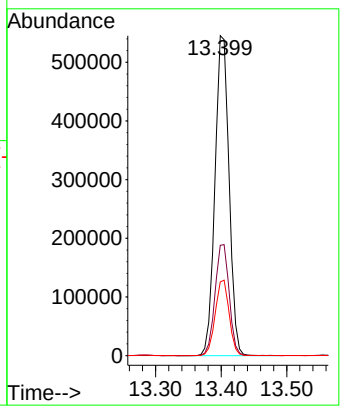




#45
2-Fluorobiphenyl
Concen: 19.989 ng
RT: 13.399 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:172 Resp: 81592

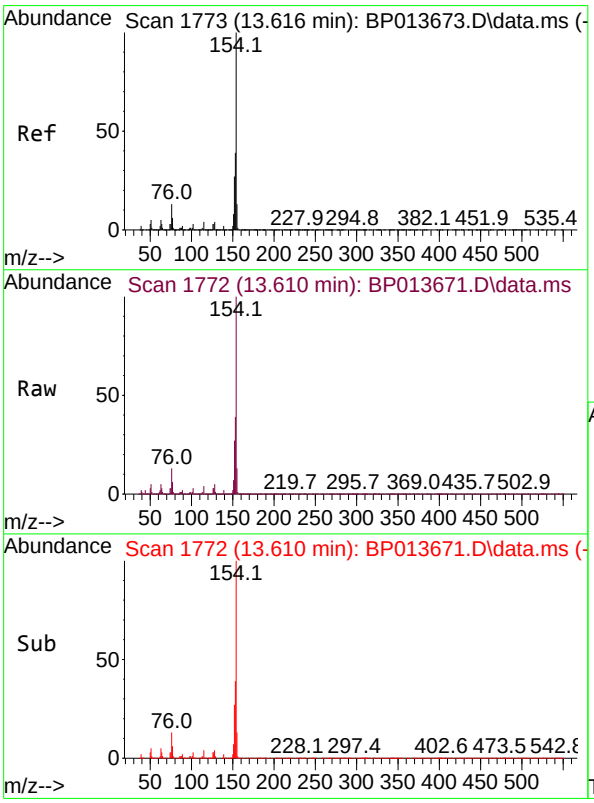
Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.2	42.2
170	23.0	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

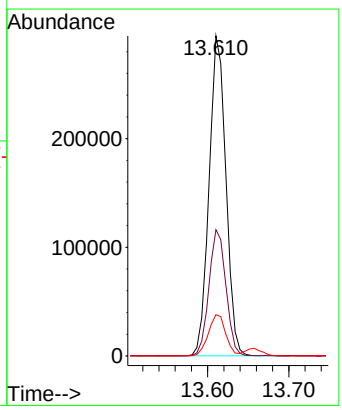
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

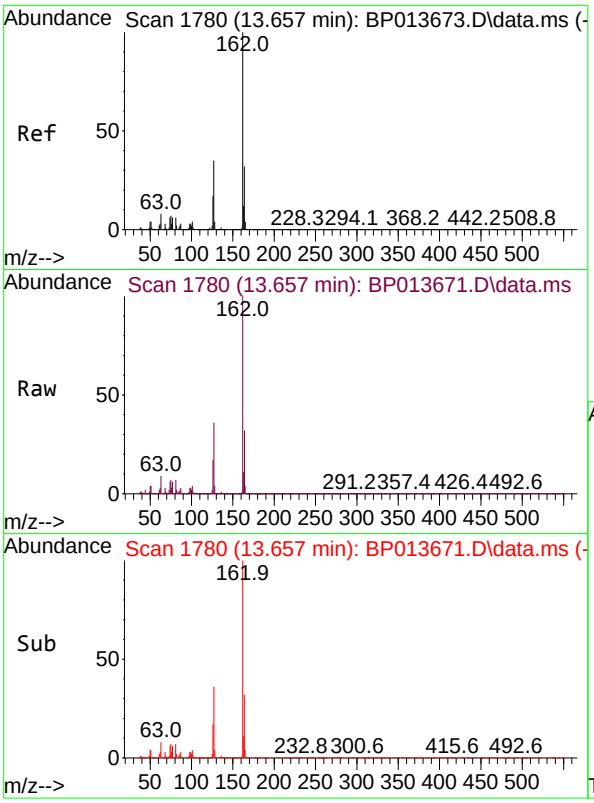


#46
1,1'-Biphenyl
Concen: 9.817 ng
RT: 13.610 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:154 Resp: 424307

Ion	Ratio	Lower	Upper
154	100		
153	39.4	19.3	59.3
76	12.9	0.0	33.1

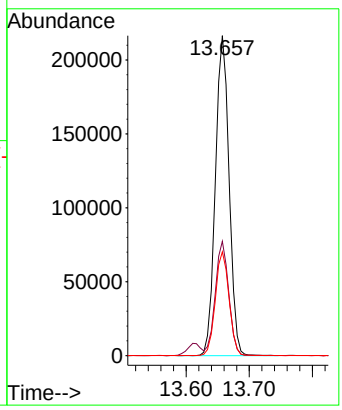




#47
2-Chloronaphthalene
Concen: 9.769 ng
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:162 Resp: 32637

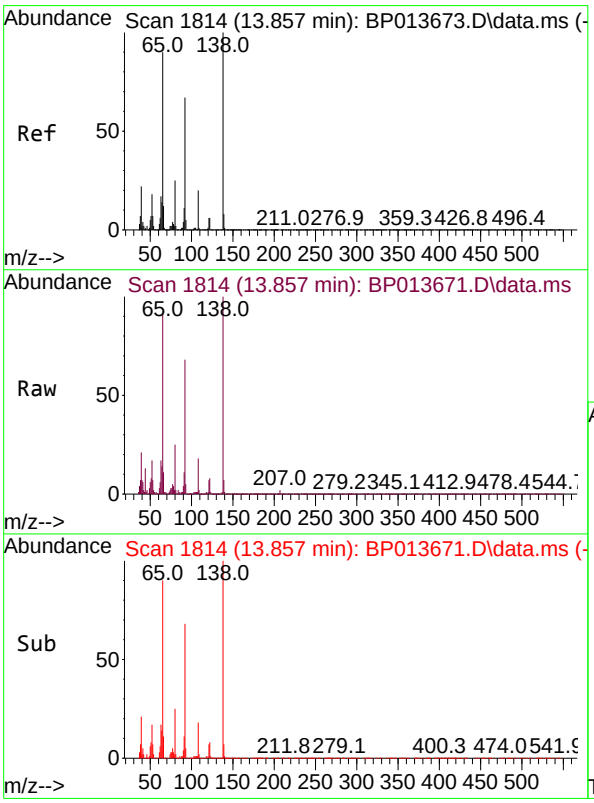
Ion	Ratio	Lower	Upper
162	100		
127	35.7	28.3	42.5
164	32.4	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

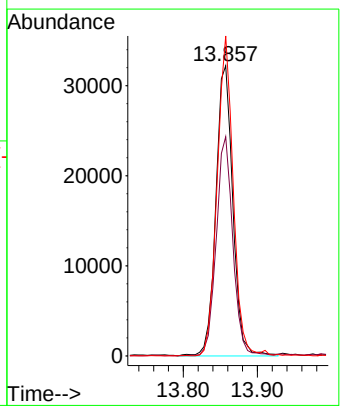
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

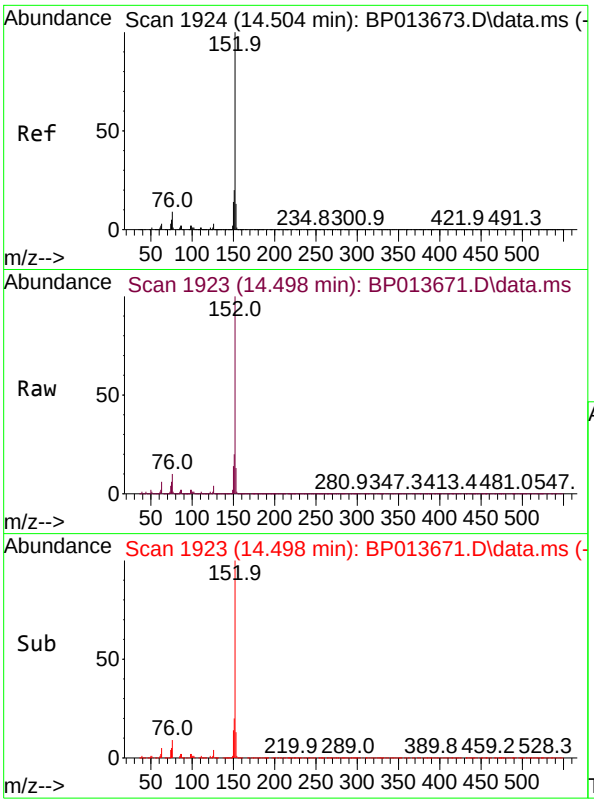


#48
2-Nitroaniline
Concen: 7.167 ng
RT: 13.857 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 65 Resp: 51168

Ion	Ratio	Lower	Upper
65	100		
92	75.5	59.4	89.0
138	110.3	88.6	133.0

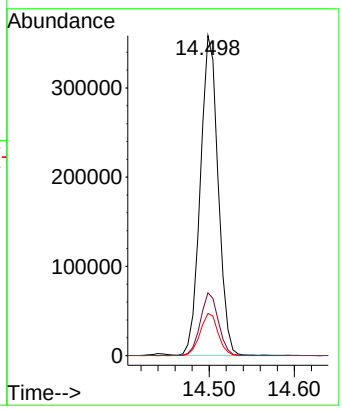




#49
Acenaphthylene
Concen: 9.622 ng
RT: 14.498 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:152 Resp: 518399

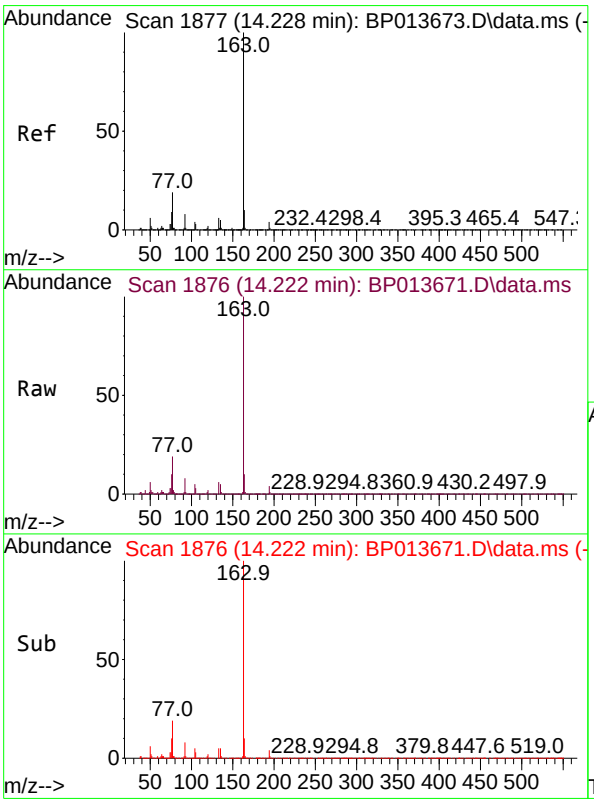
Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	13.2	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

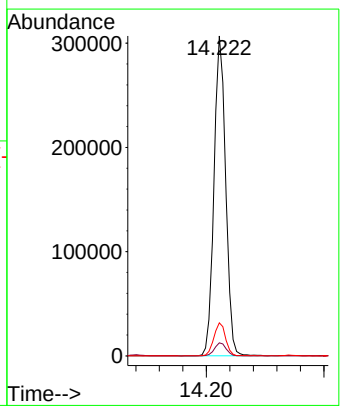
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

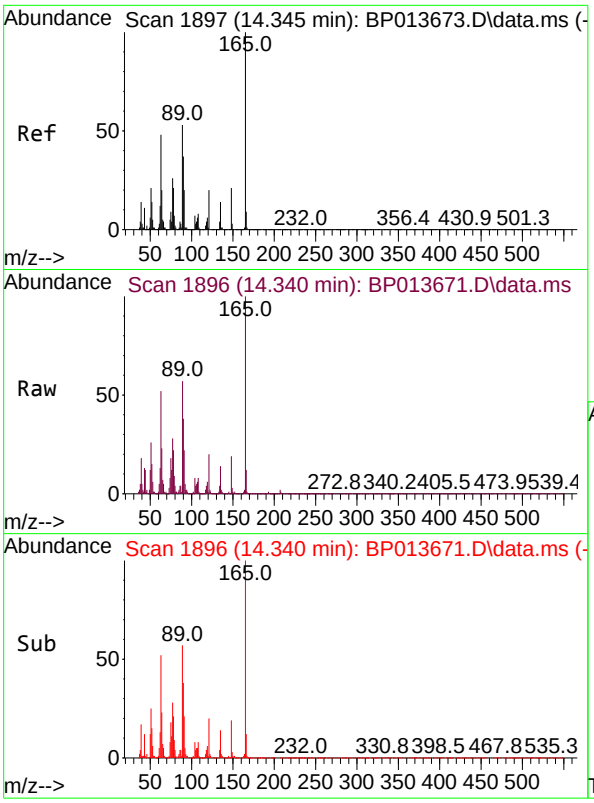


#50
Dimethylphthalate
Concen: 9.582 ng
RT: 14.222 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:163 Resp: 423297

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.3	8.4	12.6





#51
2,6-Dinitrotoluene
Concen: 7.511 ng
RT: 14.340 min Scan# 18
Delta R.T. -0.005 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

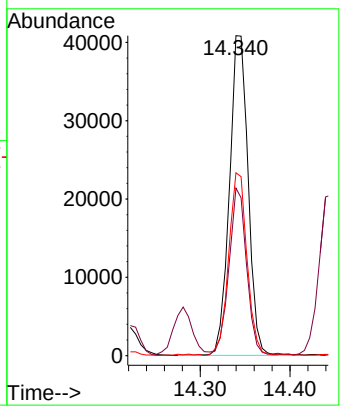
Tgt Ion:165 Resp: 5930

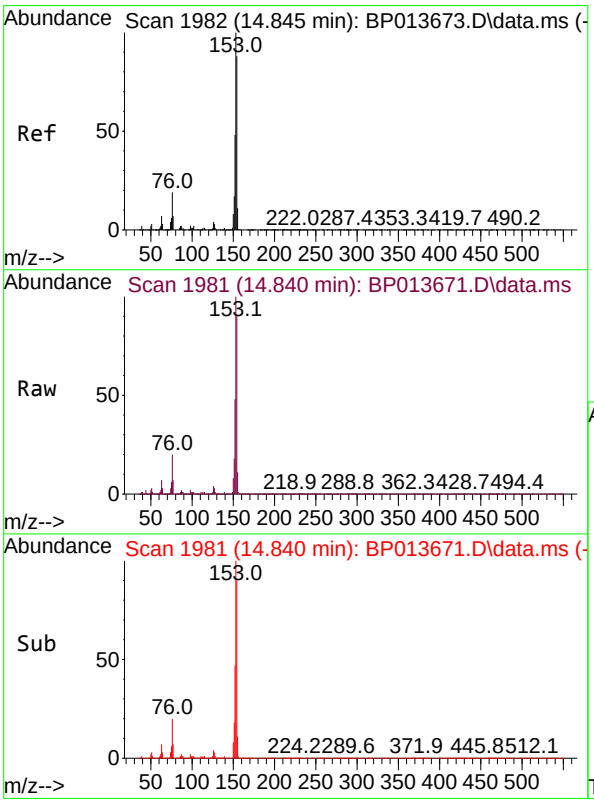
Ion	Ratio	Lower	Upper
165	100		
63	52.3	39.8	59.6
89	57.1	42.4	63.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

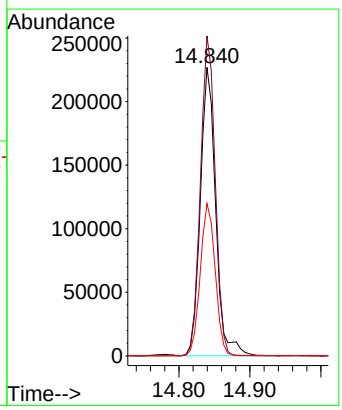


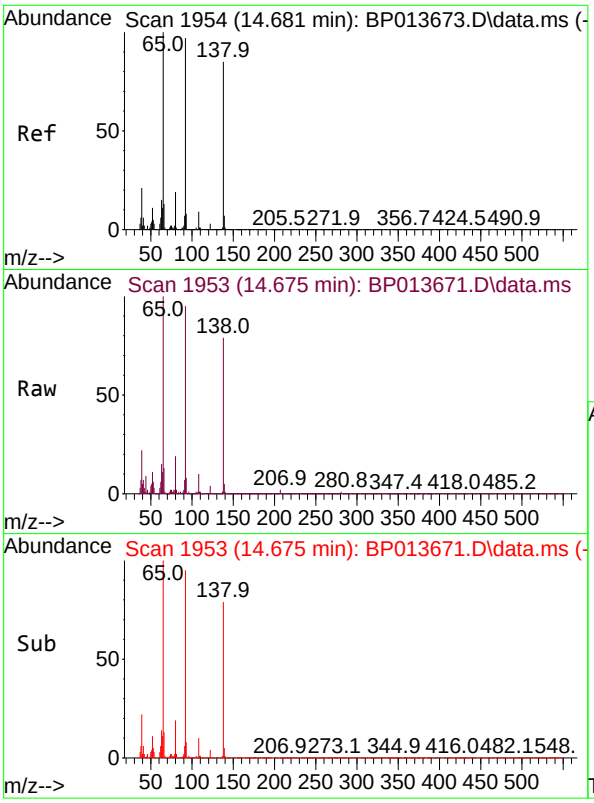


#52
Acenaphthene
Concen: 10.061 ng
RT: 14.840 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:154 Resp: 338118

Ion	Ratio	Lower	Upper
154	100		
153	110.9	90.6	135.8
152	52.8	43.4	65.0

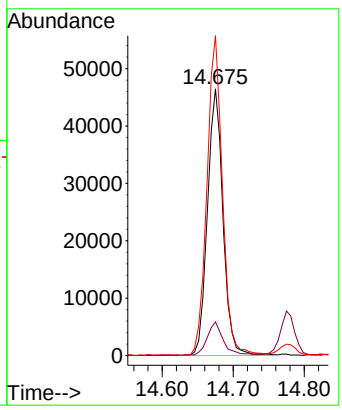




#53
3-Nitroaniline
Concen: 8.184 ng
RT: 14.675 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:138 Resp: 7047

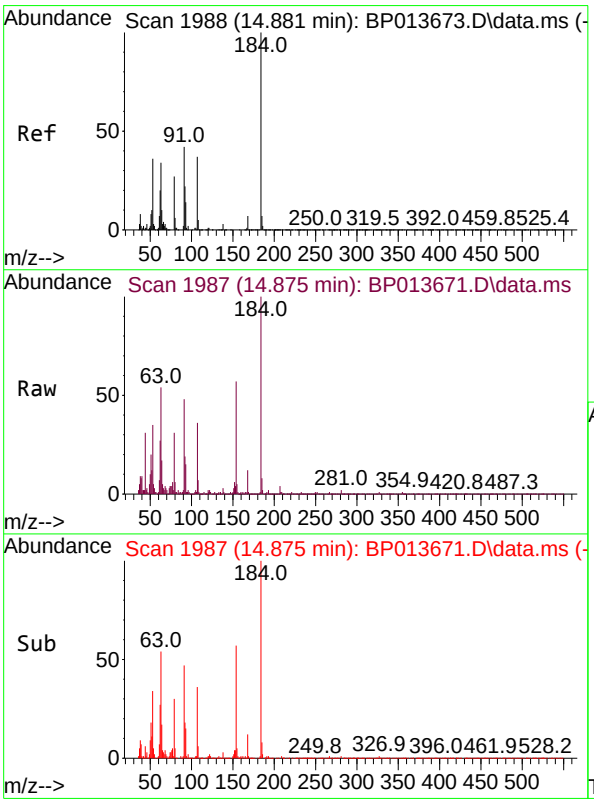
Ion	Ratio	Lower	Upper
138	100		
108	12.6	8.5	12.7
92	119.9	91.5	137.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

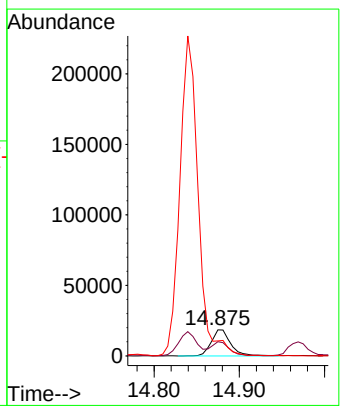
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

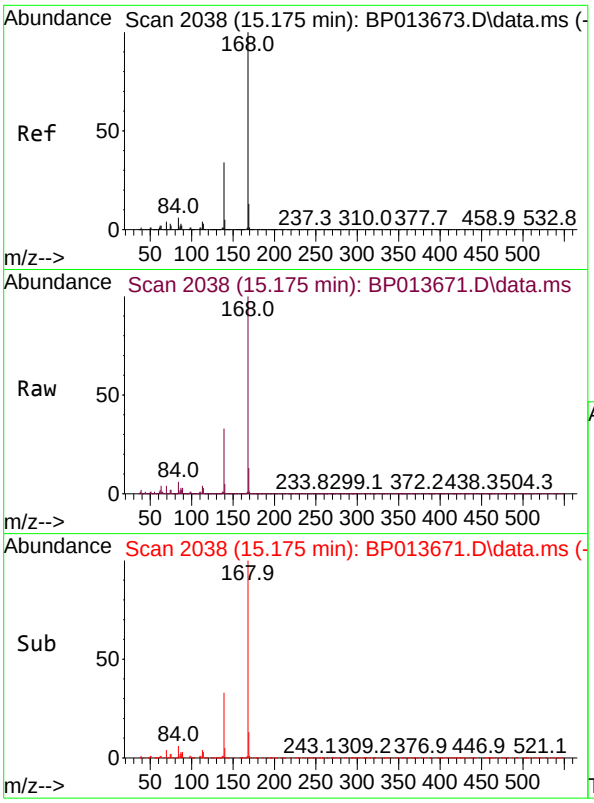


#54
2,4-Dinitrophenol
Concen: 6.043 ng
RT: 14.875 min Scan# 1987
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:184 Resp: 29040

Ion	Ratio	Lower	Upper
184	100		
63	54.2	41.4	62.0
154	57.4	44.3	66.5

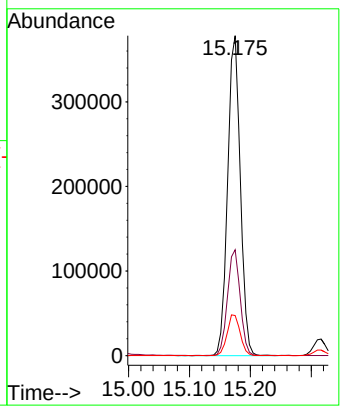




#55
Dibenzofuran
Concen: 10.052 ng
RT: 15.175 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:168 Resp: 54565

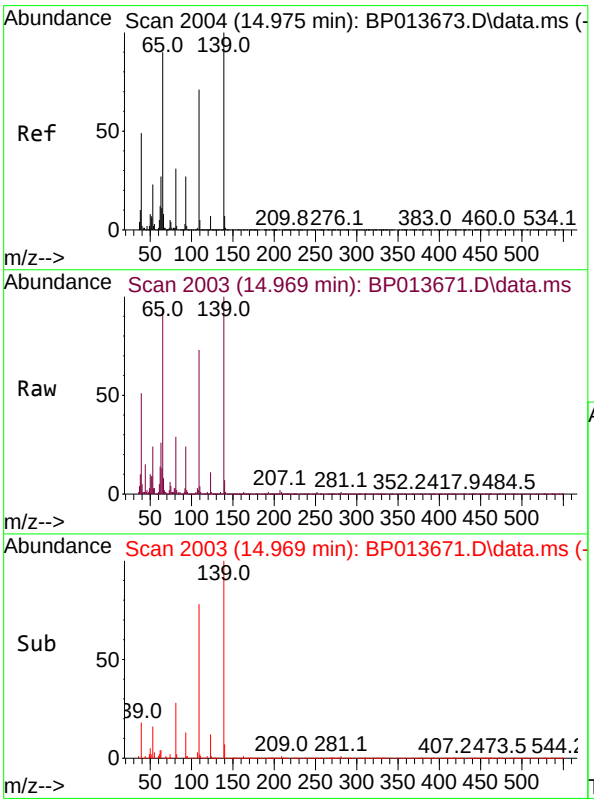
Ion	Ratio	Lower	Upper
168	100		
139	33.1	27.4	41.2
169	12.5	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

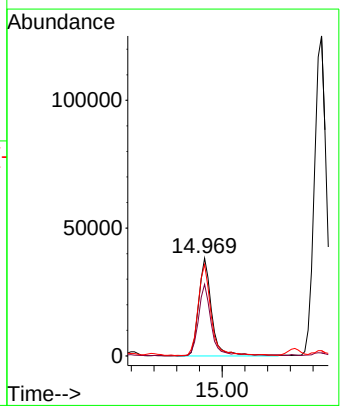
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

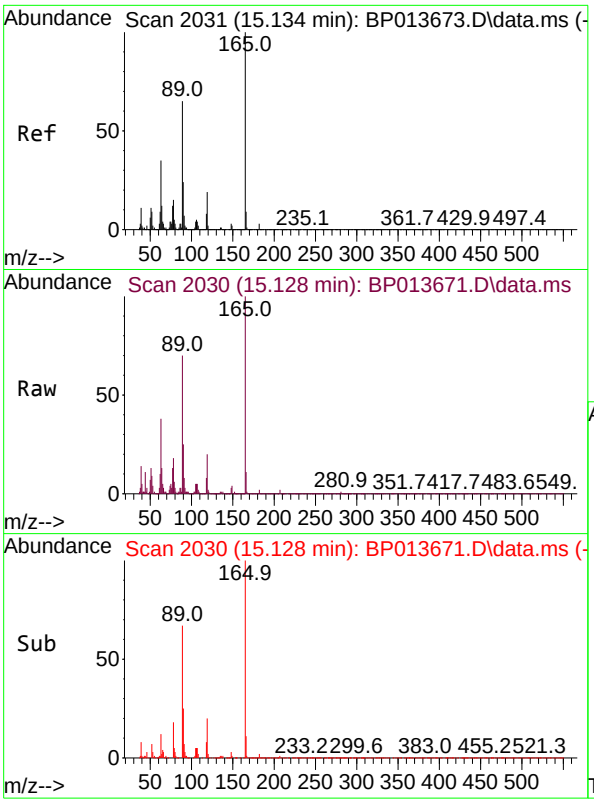


#56
4-Nitrophenol
Concen: 7.881 ng
RT: 14.969 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:139 Resp: 60370

Ion	Ratio	Lower	Upper
139	100		
109	73.2	50.9	90.9
65	93.6	70.0	110.0

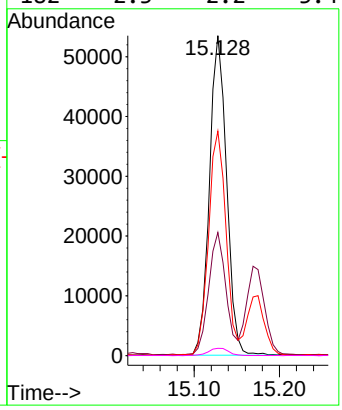




#57
2,4-Dinitrotoluene
Concen: 7.226 ng
RT: 15.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:165 Resp: 7487

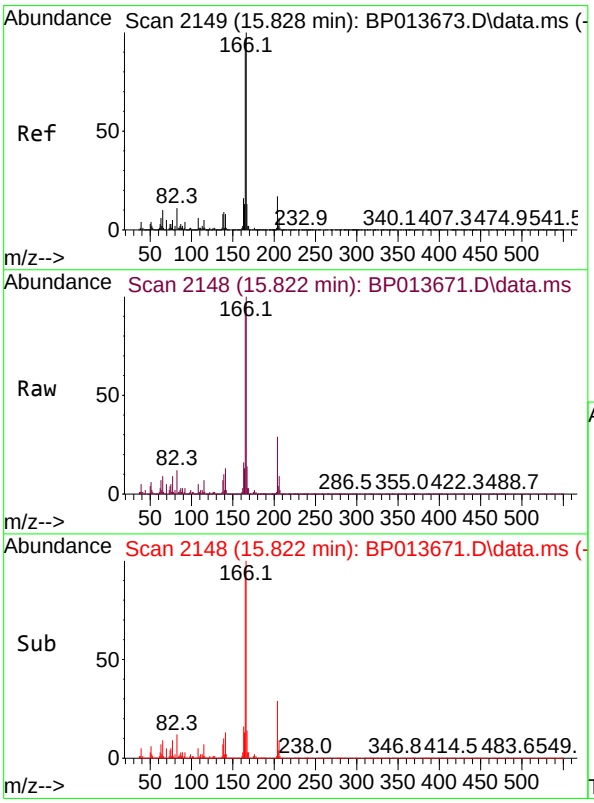
Ion	Ratio	Lower	Upper
165	100		
63	38.5	28.1	42.1
89	70.1	52.0	78.0
182	2.3	2.2	3.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

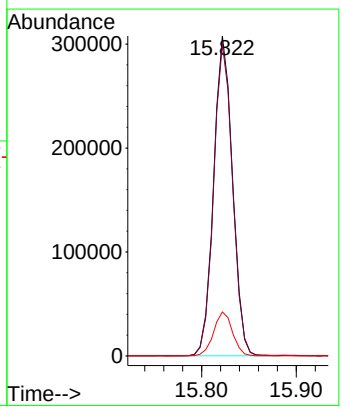
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

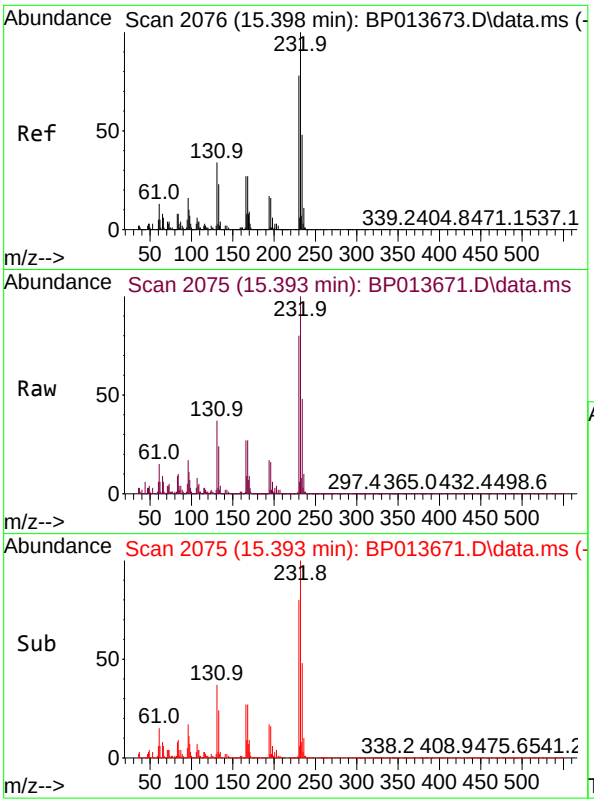


#58
Fluorene
Concen: 9.994 ng
RT: 15.822 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:166 Resp: 425966

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.6	116.4
167	13.7	10.6	15.8

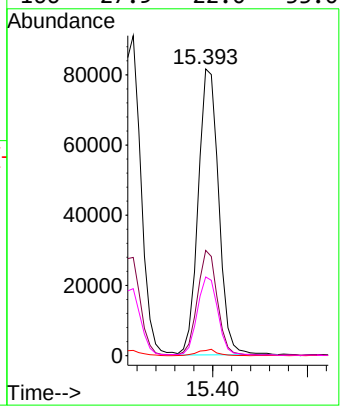




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.358 ng
RT: 15.393 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:232 Resp: 12233

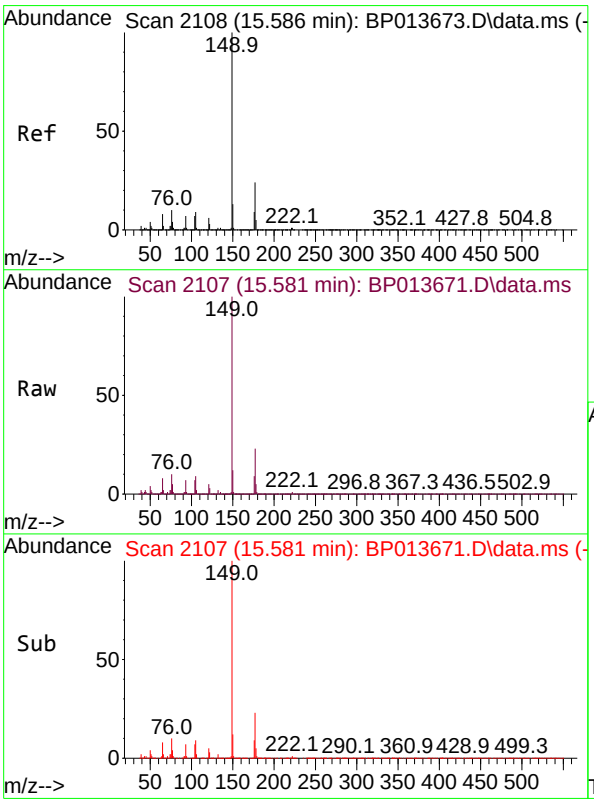
Ion	Ratio	Lower	Upper
232	100		
131	35.9	27.9	41.9
130	2.0	1.4	2.0
166	27.9	22.0	33.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

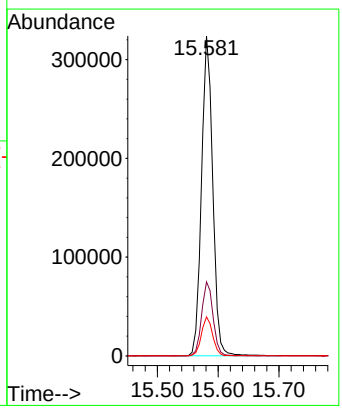
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

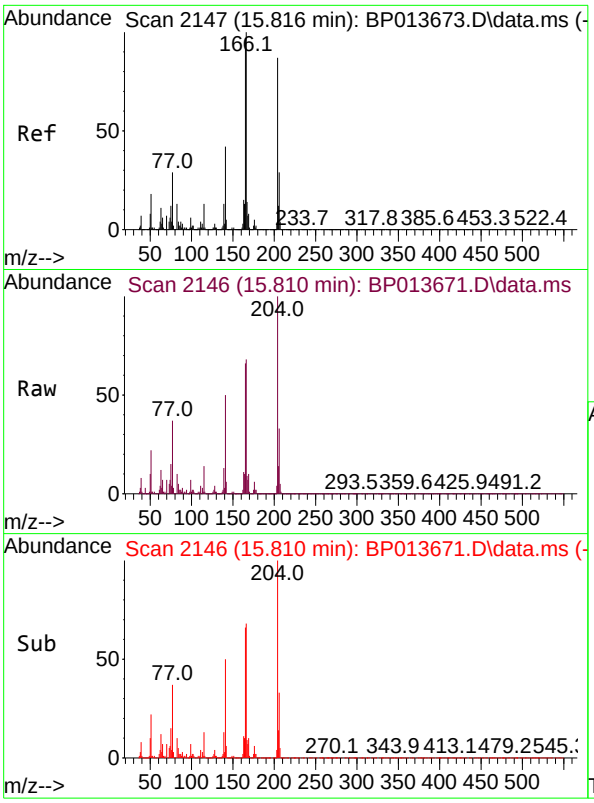


#60
Diethylphthalate
Concen: 9.778 ng
RT: 15.581 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:149 Resp: 414103

Ion	Ratio	Lower	Upper
149	100		
177	23.1	19.2	28.8
150	12.2	10.1	15.1

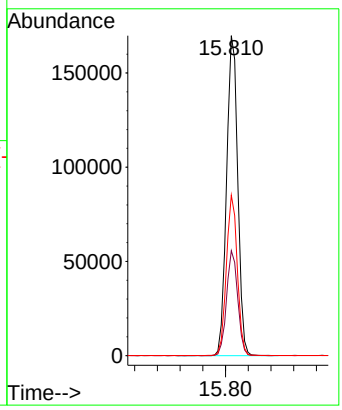




#61
4-Chlorophenyl-phenylether
Concen: 9.925 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:204 Resp: 23034

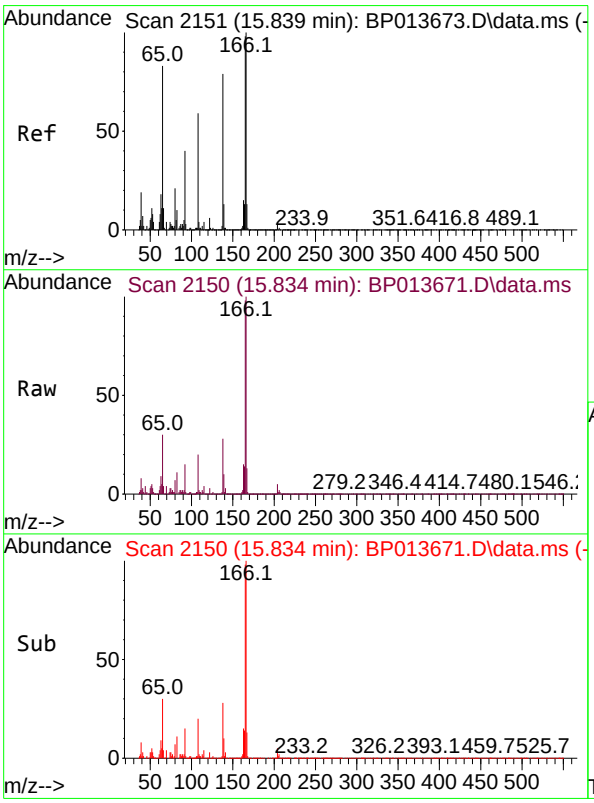
Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.6	40.0
141	50.1	38.1	57.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

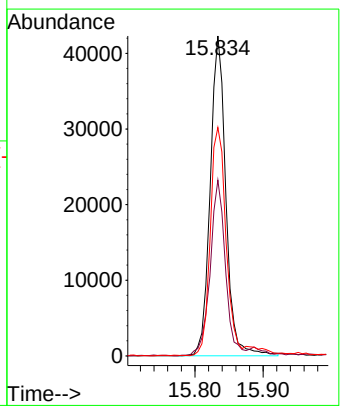
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

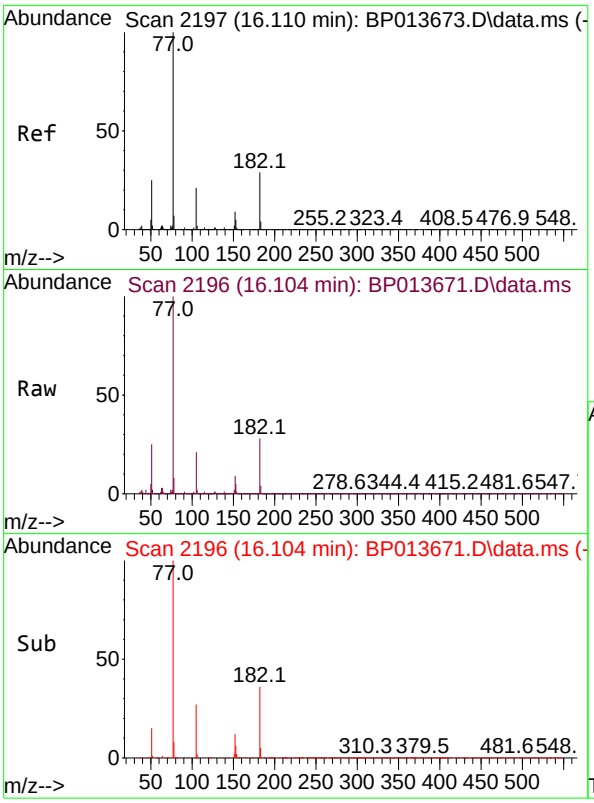


#62
4-Nitroaniline
Concen: 7.867 ng
RT: 15.834 min Scan# 2150
Delta R.T. -0.005 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:138 Resp: 67274

Ion	Ratio	Lower	Upper
138	100		
92	54.9	30.3	70.3
108	71.4	55.4	95.4

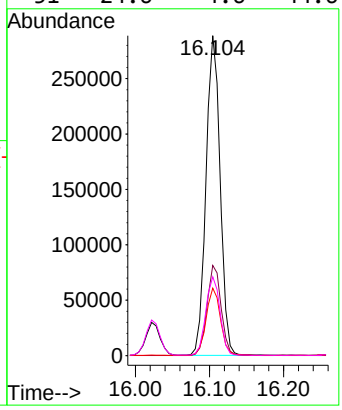




#63
Azobenzene
Concen: 9.743 ng
RT: 16.104 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion: 77 Resp: 381191

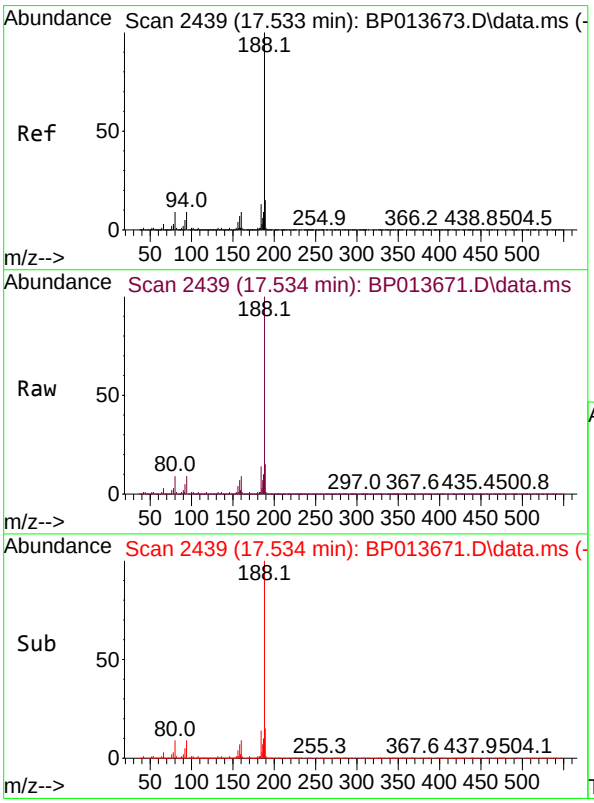
Ion	Ratio	Lower	Upper
77	100		
182	28.2	9.3	49.3
105	21.1	1.1	41.1
51	24.6	4.6	44.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

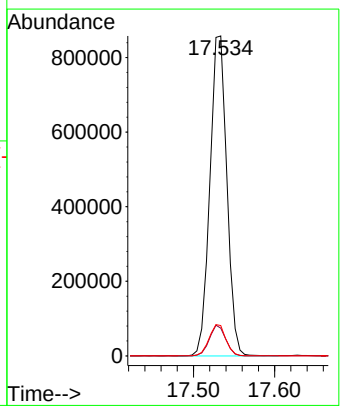
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

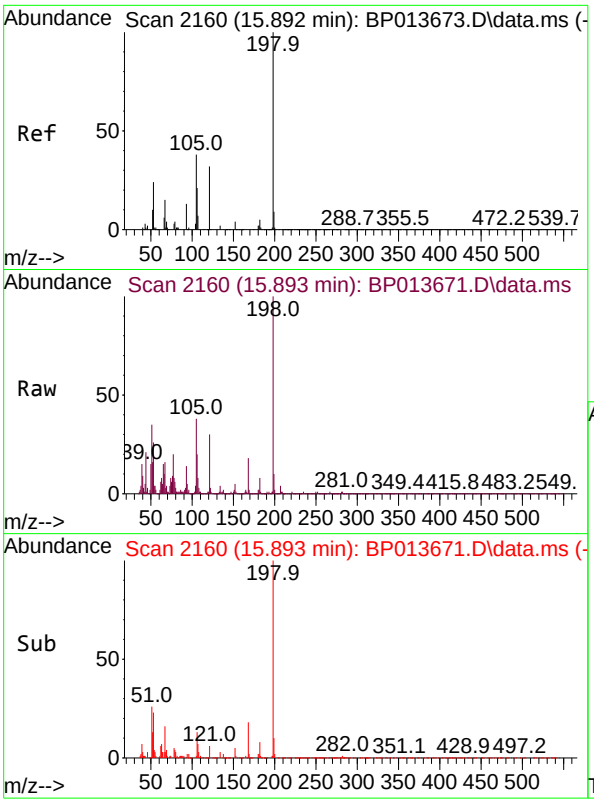


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.534 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:188 Resp: 1246996

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.9	10.3
80	9.5	7.4	11.0

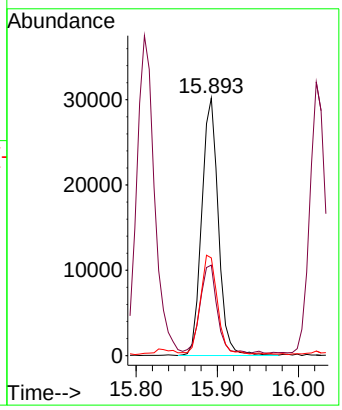




#65
4,6-Dinitro-2-methylphenol
Concen: 6.604 ng
RT: 15.893 min Scan# 21
Delta R.T. 0.001 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:198 Resp: 4292

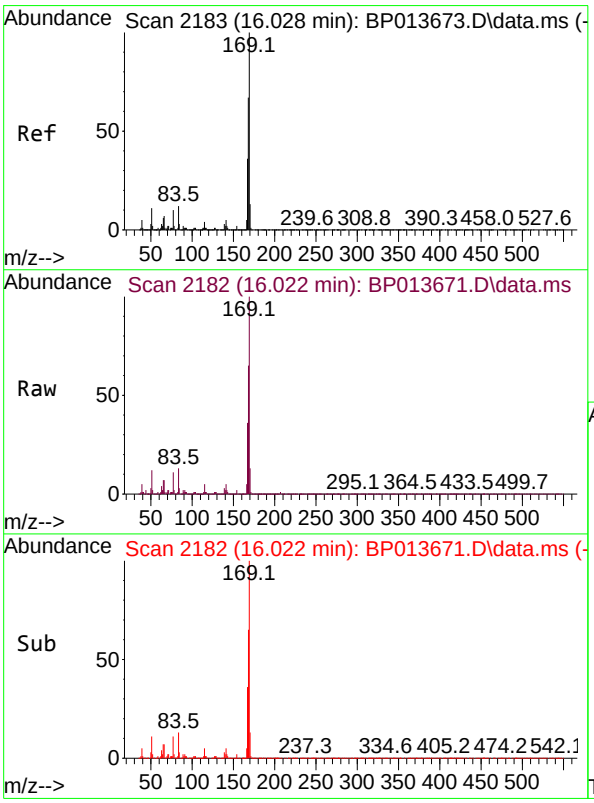
Ion	Ratio	Lower	Upper
198	100		
51	35.1	15.4	55.4
105	37.9	18.3	58.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

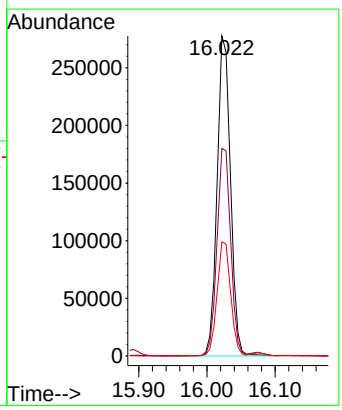
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

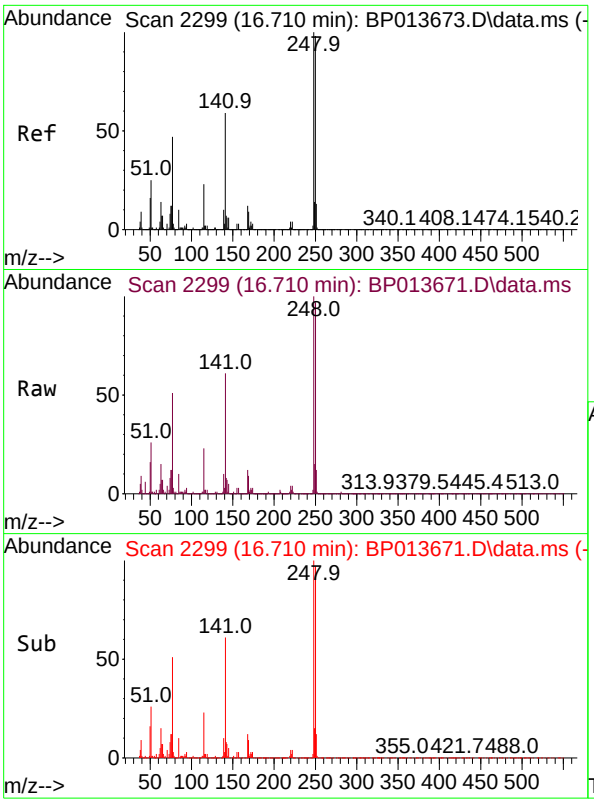


#66
n-Nitrosodiphenylamine
Concen: 10.344 ng
RT: 16.022 min Scan# 2182
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:169 Resp: 375322

Ion	Ratio	Lower	Upper
169	100		
168	64.8	53.8	80.6
167	35.6	28.9	43.3

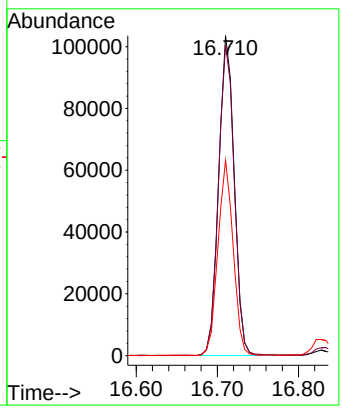




#67
4-Bromophenyl-phenylether
Concen: 9.635 ng
RT: 16.710 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:248 Resp: 13773

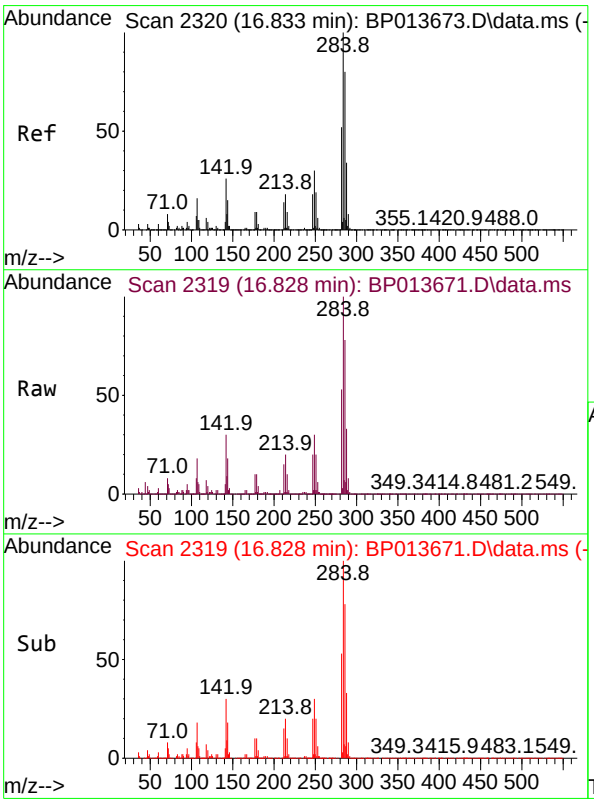
Ion	Ratio	Lower	Upper
248	100		
250	97.1	78.2	117.2
141	61.1	46.8	70.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

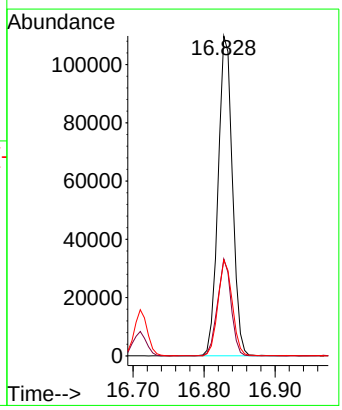
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

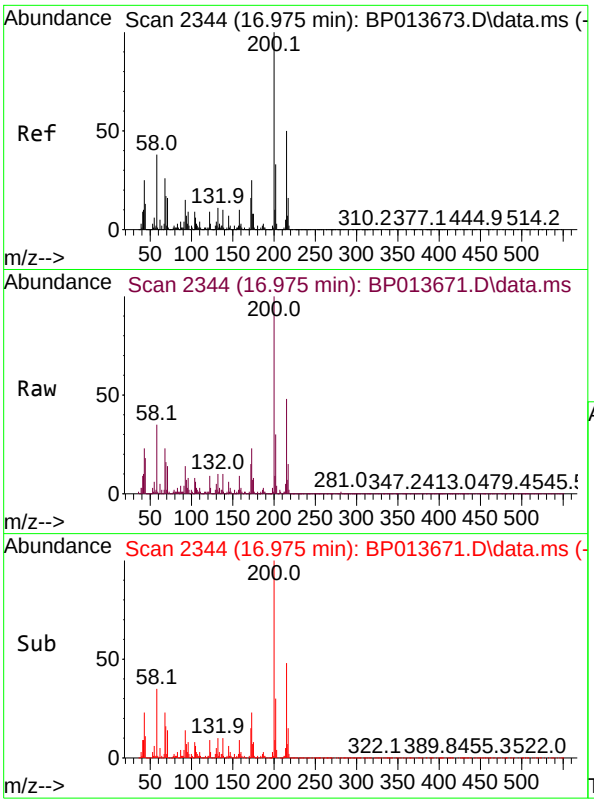


#68
Hexachlorobenzene
Concen: 9.734 ng
RT: 16.828 min Scan# 2319
Delta R.T. -0.005 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:284 Resp: 154076

Ion	Ratio	Lower	Upper
284	100		
142	30.3	20.6	31.0
249	30.0	23.9	35.9





#69
Atrazine
Concen: 9.930 ng
RT: 16.975 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

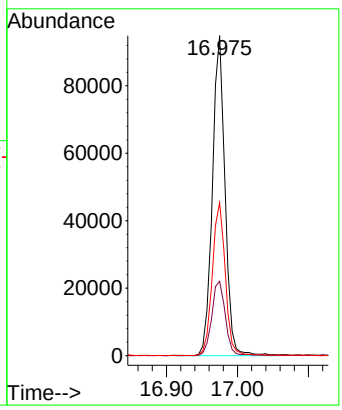
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

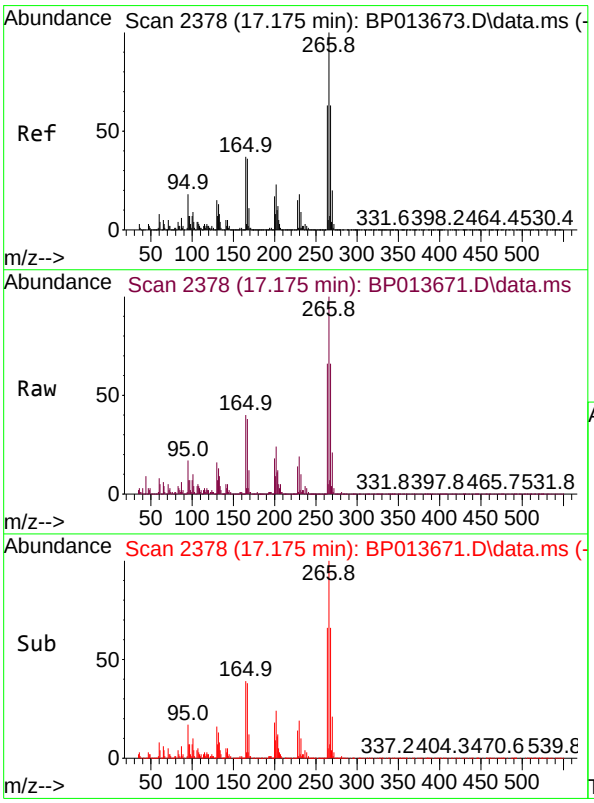
Tgt Ion:200 Resp: 11723

Ion	Ratio	Lower	Upper
200	100		
173	23.2	5.2	45.2
215	47.8	29.8	69.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

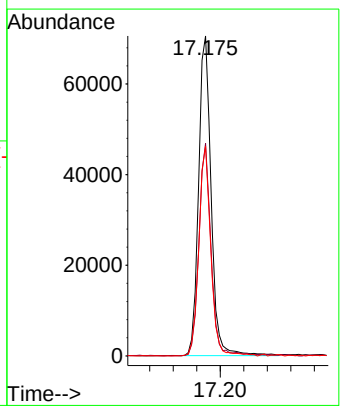


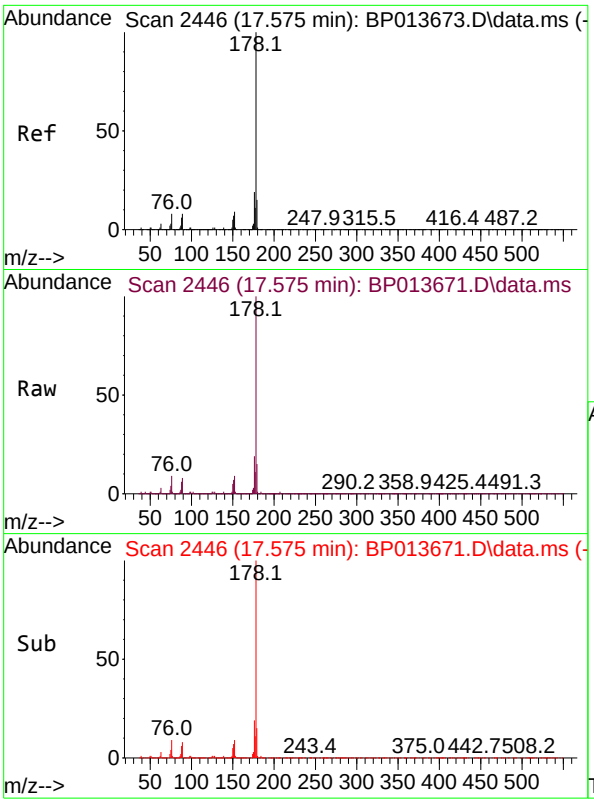


#70
Pentachlorophenol
Concen: 8.947 ng
RT: 17.175 min Scan# 2378
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:266 Resp: 104471

Ion	Ratio	Lower	Upper
266	100		
268	66.4	50.7	76.1
264	65.6	50.5	75.7





#71
Phenanthrene
Concen: 10.073 ng
RT: 17.575 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

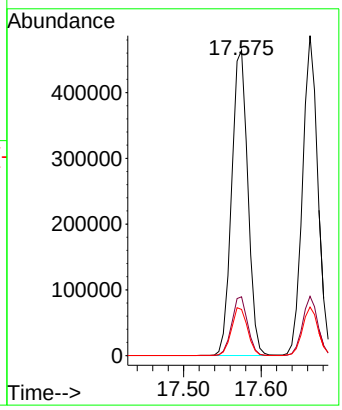
Tgt Ion:178 Resp: 673259

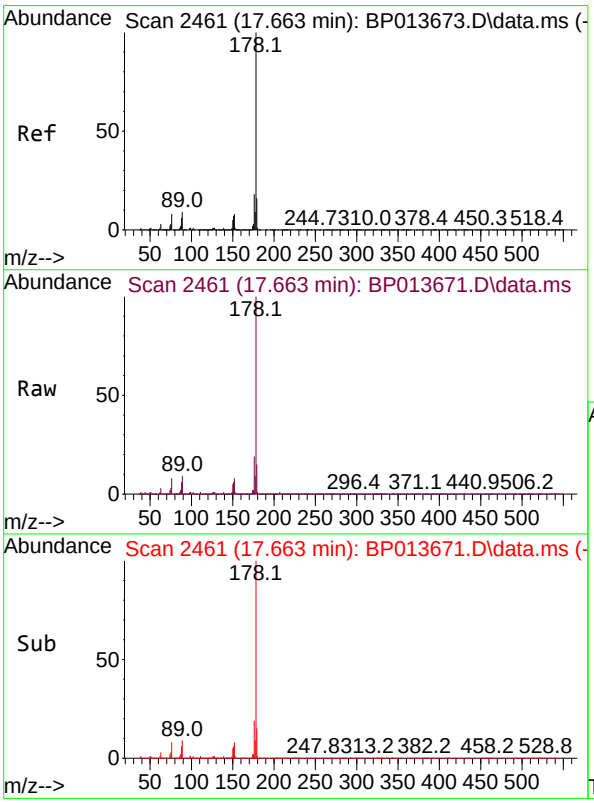
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.1	12.2	18.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

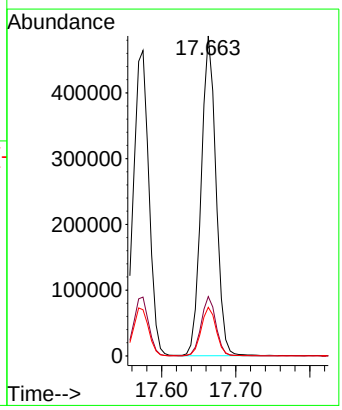


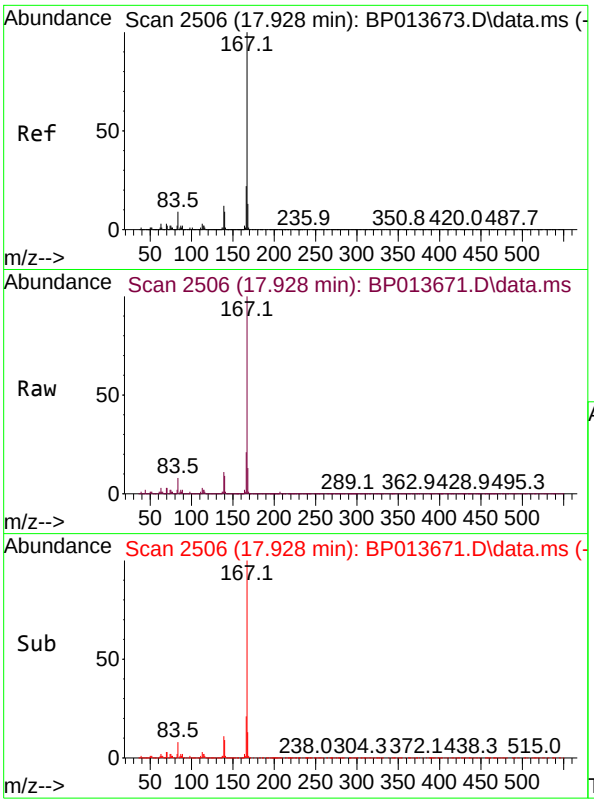


#72
Anthracene
Concen: 9.975 ng
RT: 17.663 min Scan# 2461
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:178 Resp: 673127

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.2	12.4	18.6

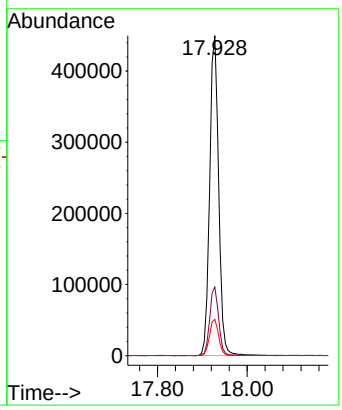




#73
Carbazole
Concen: 10.195 ng
RT: 17.928 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:167 Resp: 62467

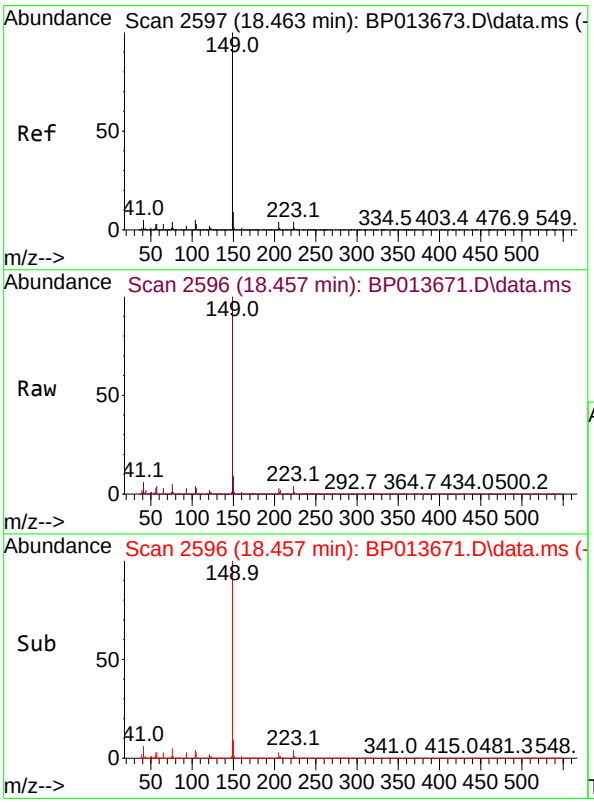
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.4	26.0
139	11.3	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

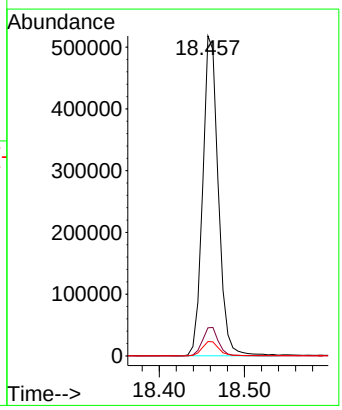
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

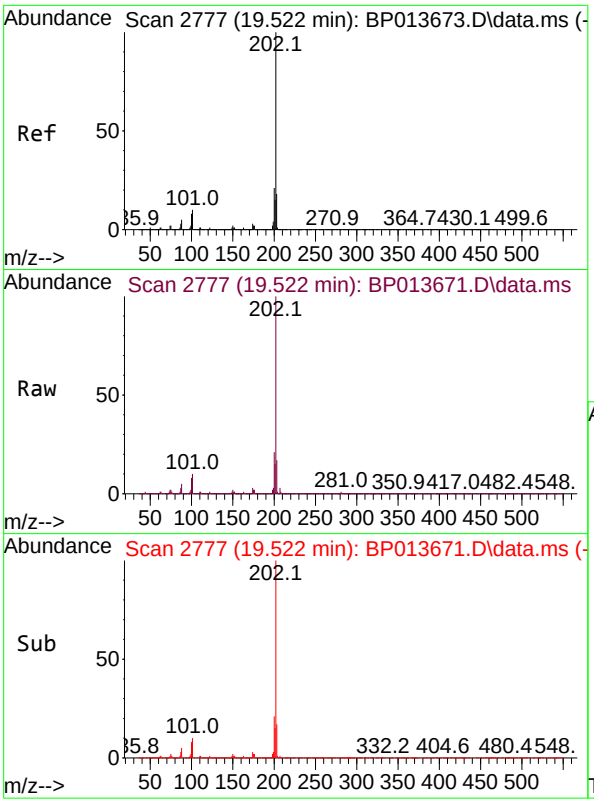


#74
Di-n-butylphthalate
Concen: 9.812 ng
RT: 18.457 min Scan# 2596
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:149 Resp: 657913

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.0
104	4.5	3.8	5.6





#75
Fluoranthene
Concen: 9.951 ng
RT: 19.522 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

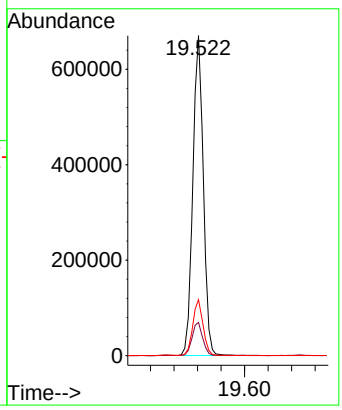
Tgt Ion:202 Resp: 82804

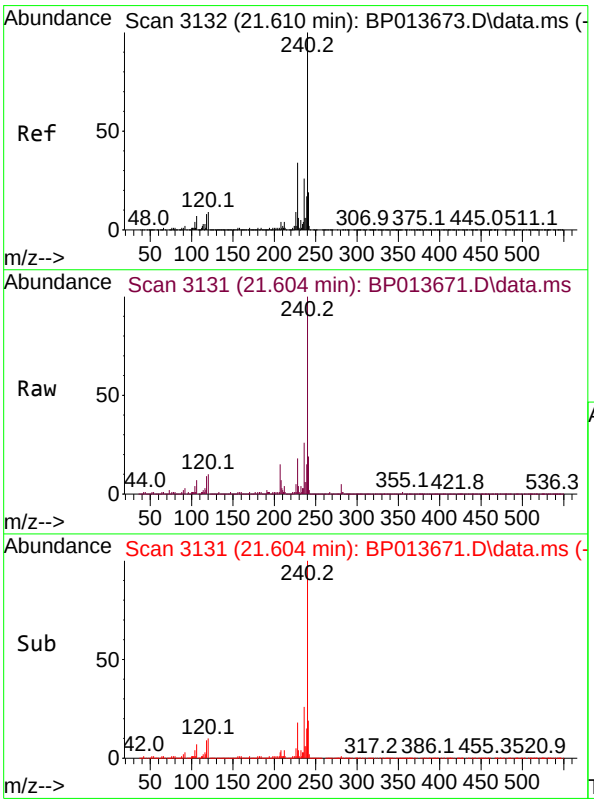
Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.2
203	17.5	0.0	37.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

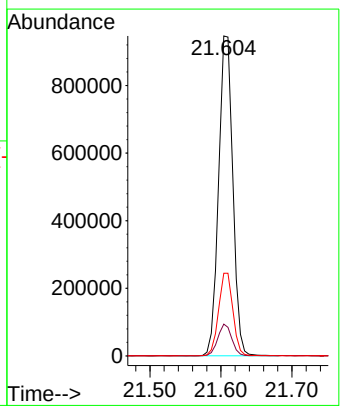


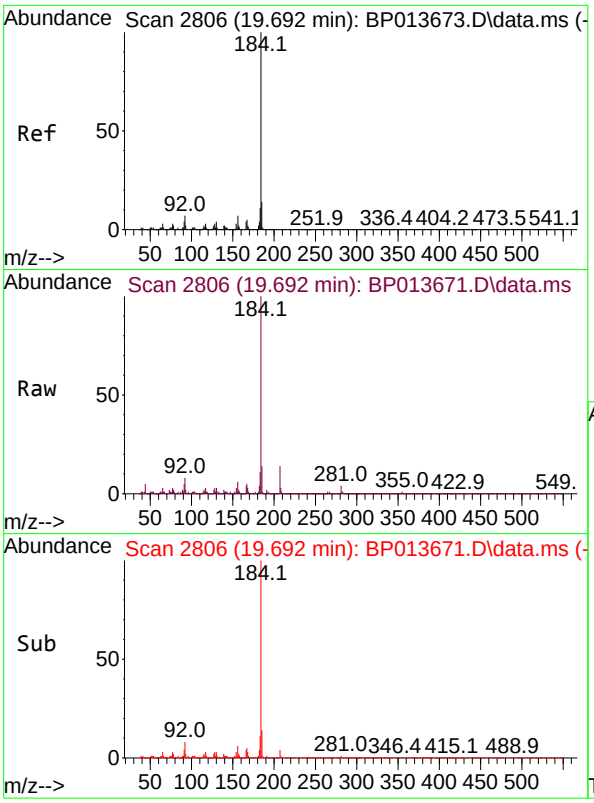


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.604 min Scan# 3131
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:240 Resp: 1322136

Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.4	11.0
236	25.8	20.6	30.8





#77
Benzidine
Concen: 10.828 ng
RT: 19.692 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

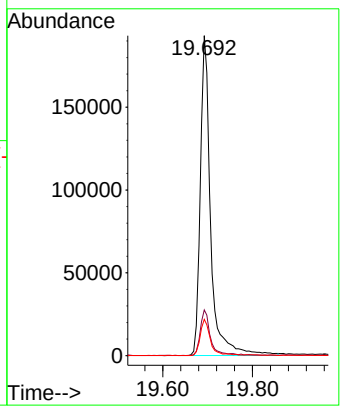
Tgt Ion:184 Resp: 30923

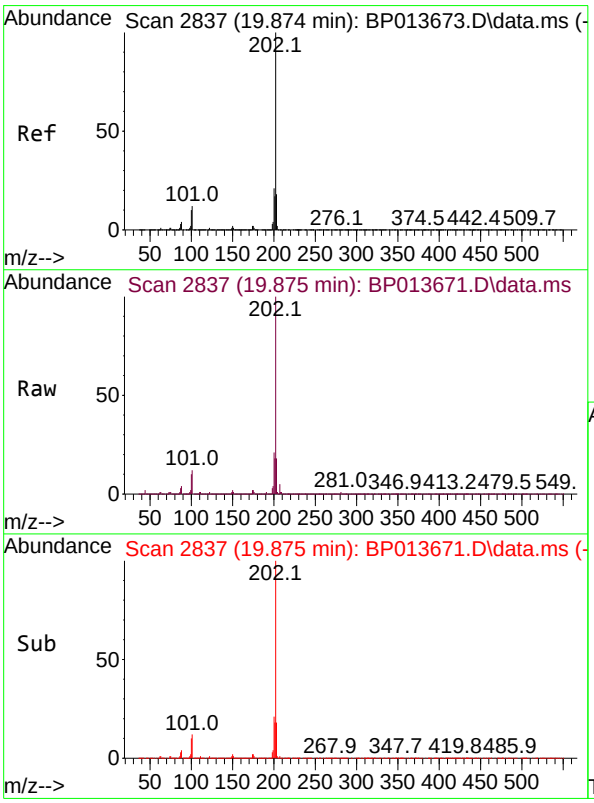
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.3	9.2	13.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

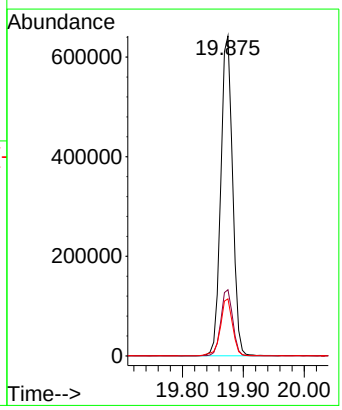


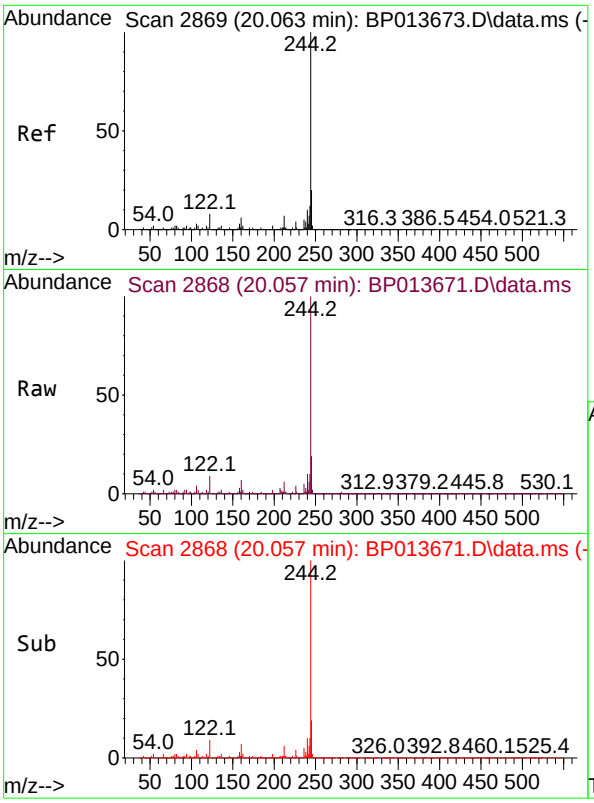


#78
Pyrene
Concen: 9.755 ng
RT: 19.875 min Scan# 2837
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:202 Resp: 867705

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.9	25.3
203	17.8	14.0	21.0

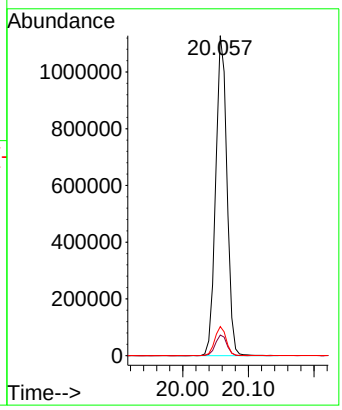




#79
Terphenyl-d14
Concen: 20.246 ng
RT: 20.057 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:244 Resp: 134803

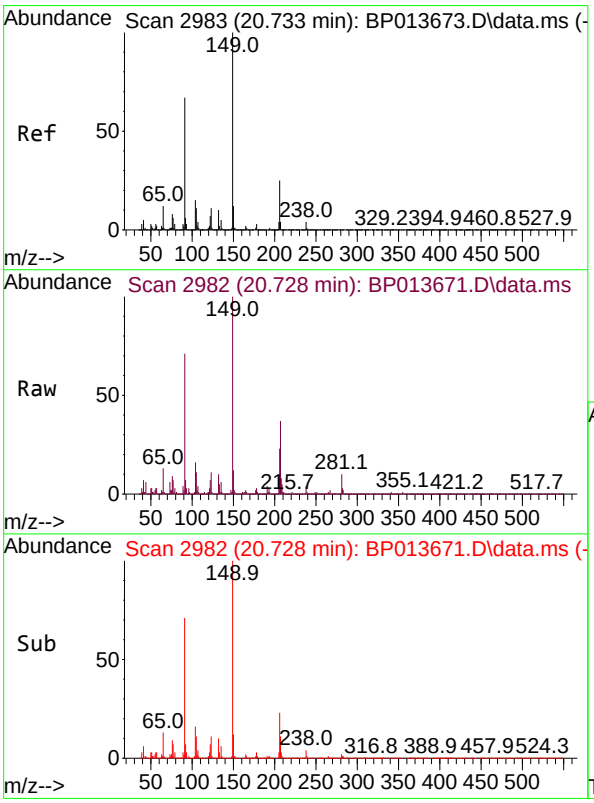
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.5	8.3
122	9.1	6.5	9.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

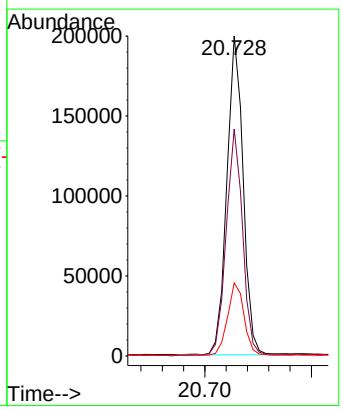
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

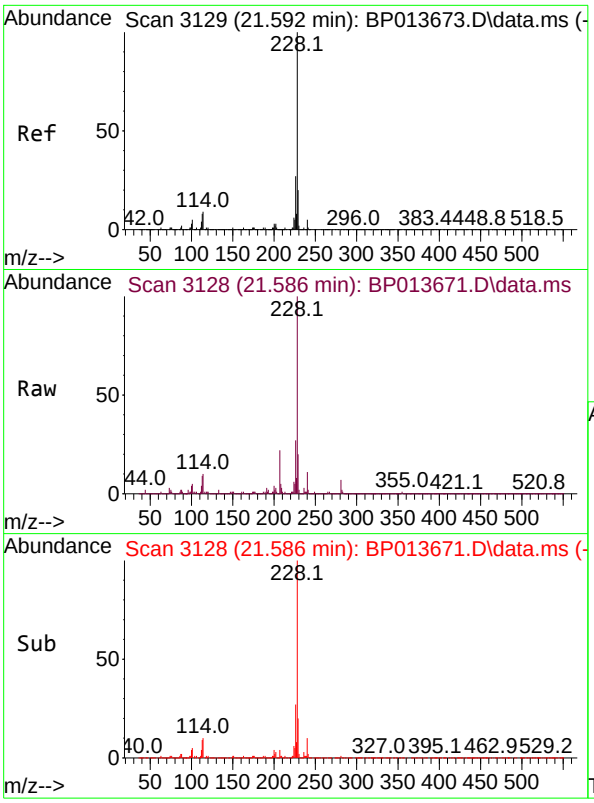


#80
Butylbenzylphthalate
Concen: 8.739 ng
RT: 20.728 min Scan# 2982
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:149 Resp: 212206

Ion	Ratio	Lower	Upper
149	100		
91	70.9	54.0	81.0
206	22.8	19.8	29.8

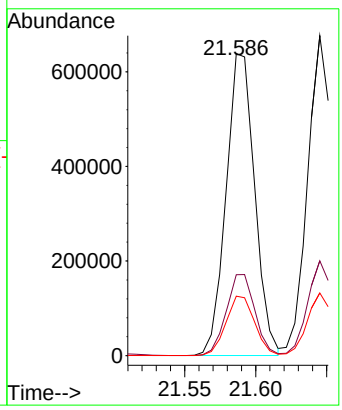




#81
Benzo(a)anthracene
Concen: 9.737 ng
RT: 21.586 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:228 Resp: 89416

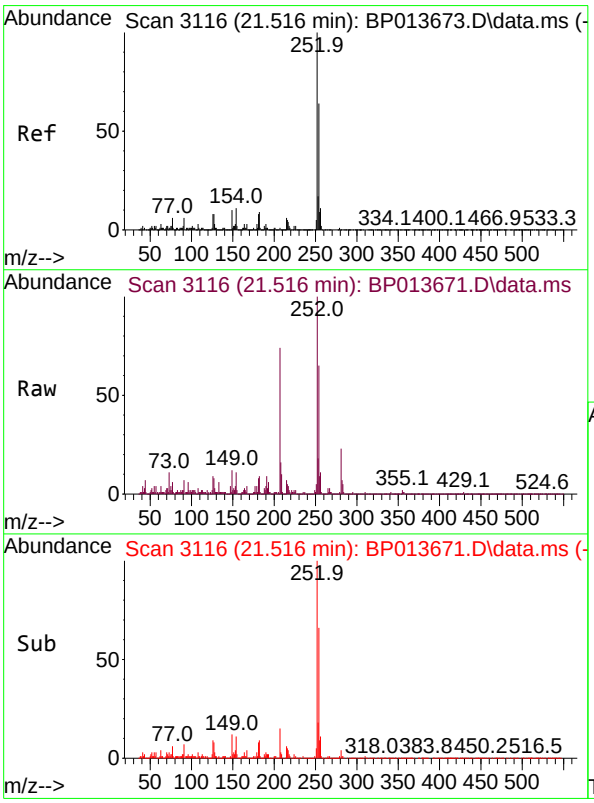
Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.9	32.9
229	19.7	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

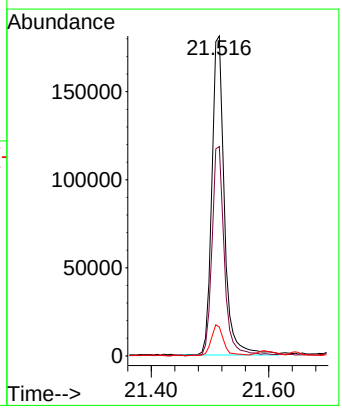
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

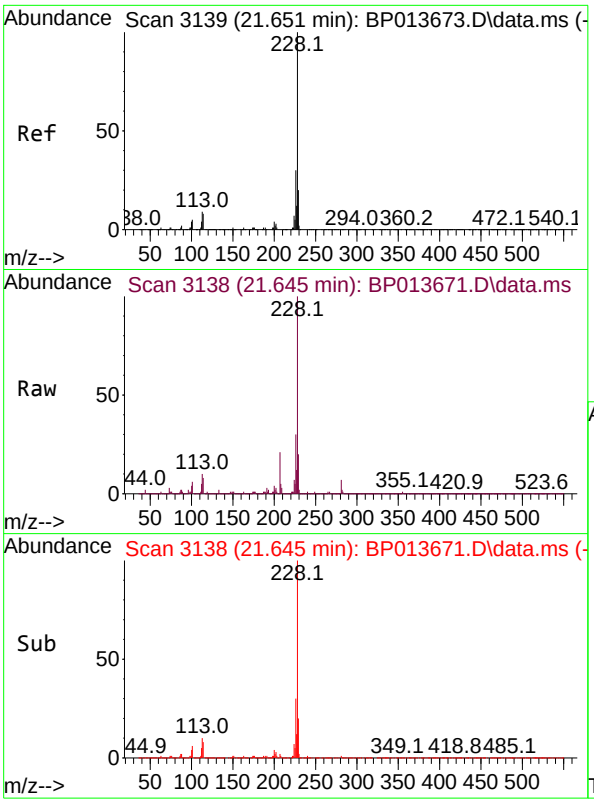


#82
3,3'-Dichlorobenzidine
Concen: 9.224 ng
RT: 21.516 min Scan# 3116
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:252 Resp: 267817

Ion	Ratio	Lower	Upper
252	100		
254	65.4	50.9	76.3
126	9.0	6.7	10.1

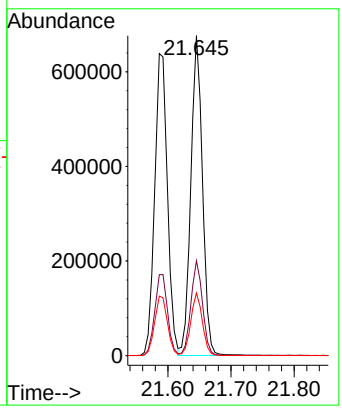




#83
Chrysene
Concen: 9.907 ng
RT: 21.645 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:228 Resp: 86677

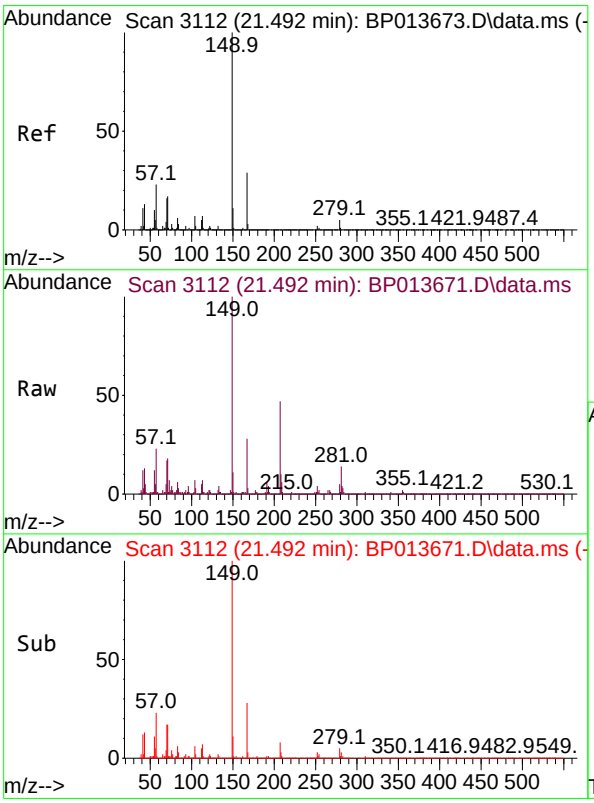
Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.1	36.1
229	19.6	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

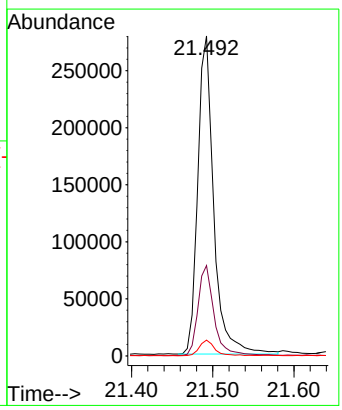
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

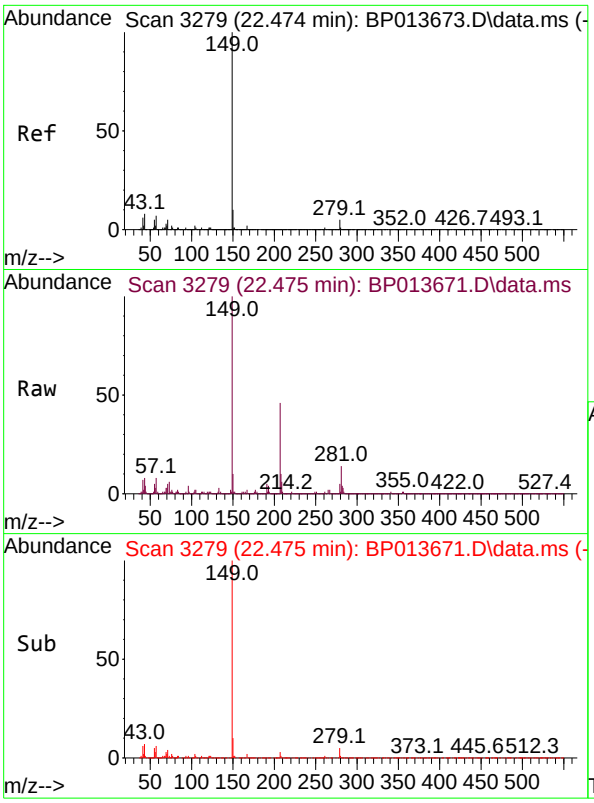


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.206 ng
RT: 21.492 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:149 Resp: 380628

Ion	Ratio	Lower	Upper
149	100		
167	28.2	23.0	34.6
279	4.9	3.9	5.9

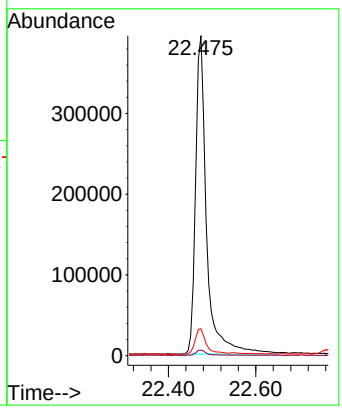




#85
Di-n-octyl phthalate
Concen: 9.168 ng
RT: 22.475 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:149 Resp: 69217

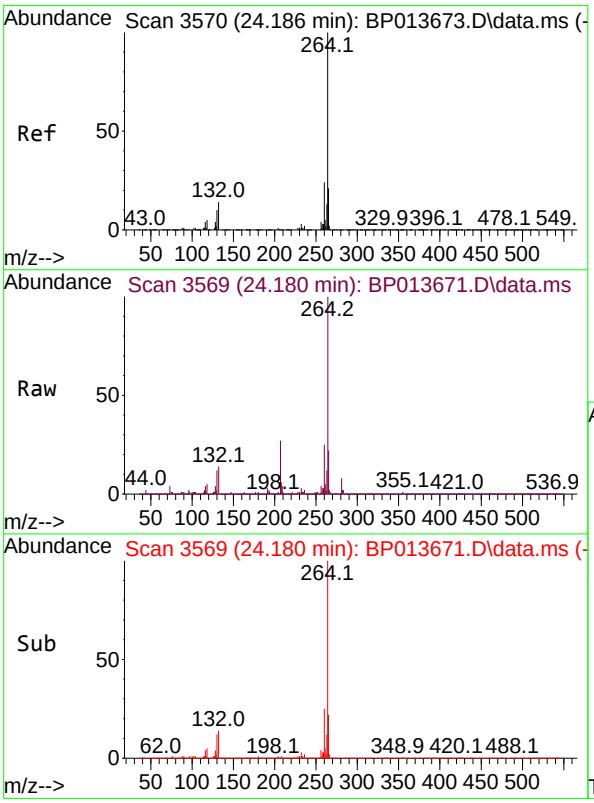
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

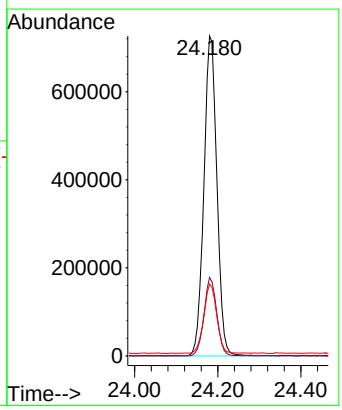
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

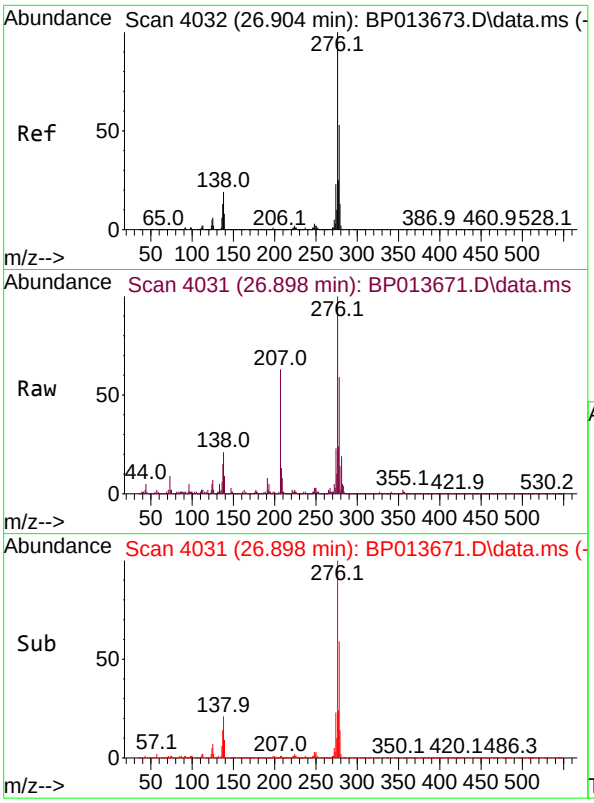


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.180 min Scan# 3569
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:264 Resp: 1578749

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	22.5	17.4	26.0

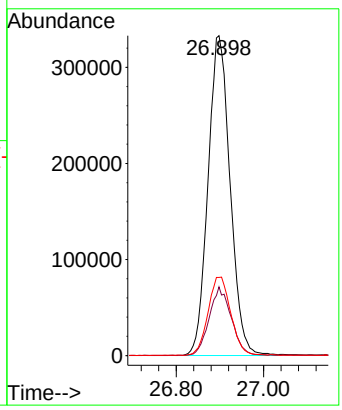




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.742 ng
RT: 26.898 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:276 Resp: 116962

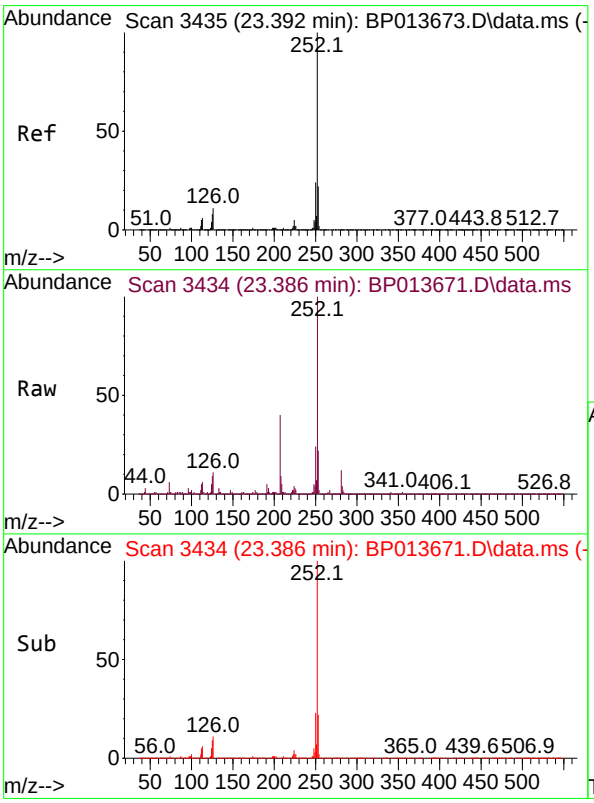
Ion	Ratio	Lower	Upper
276	100		
138	21.3	16.5	24.7
277	25.1	20.2	30.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

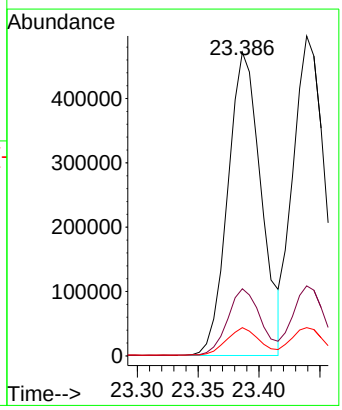
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

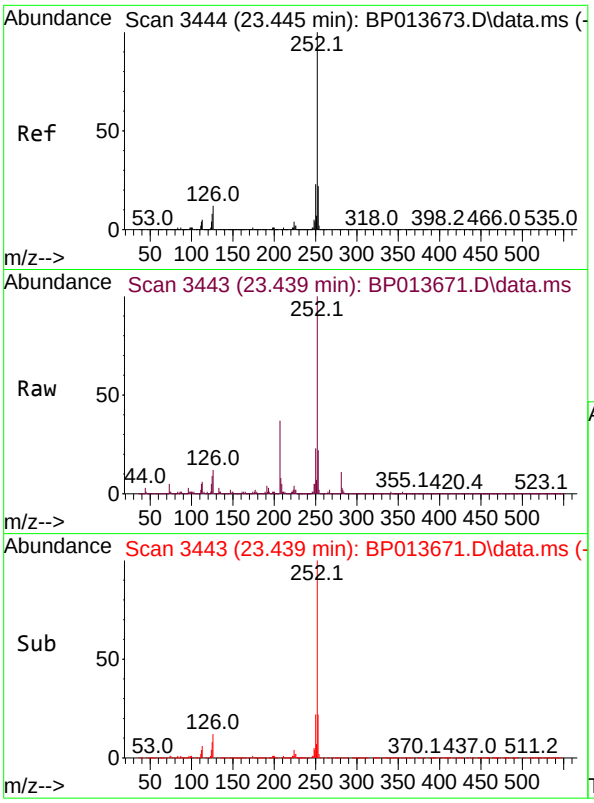


#88
Benzo(b)fluoranthene
Concen: 9.486 ng
RT: 23.386 min Scan# 3434
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:252 Resp: 900076

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	9.3	6.8	10.2

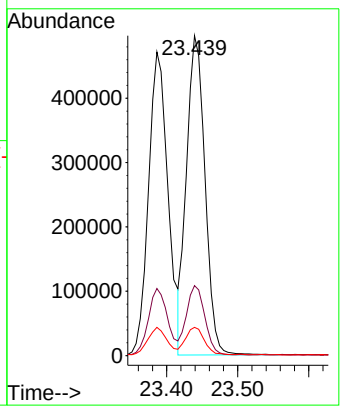




#89
Benzo(k)fluoranthene
Concen: 9.455 ng
RT: 23.439 min Scan# 34
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:252 Resp: 89863

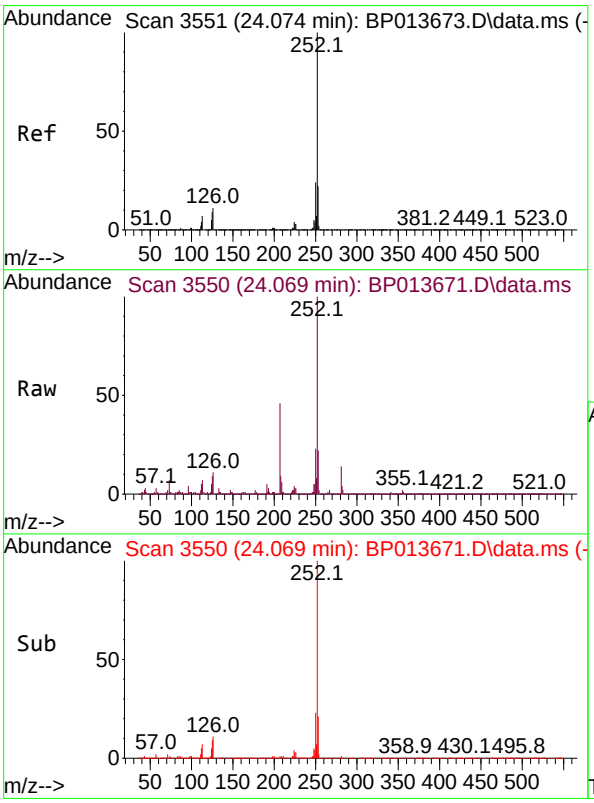
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	8.8	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

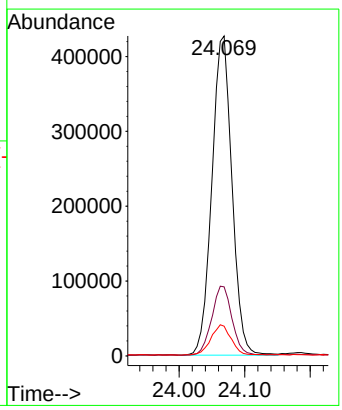
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

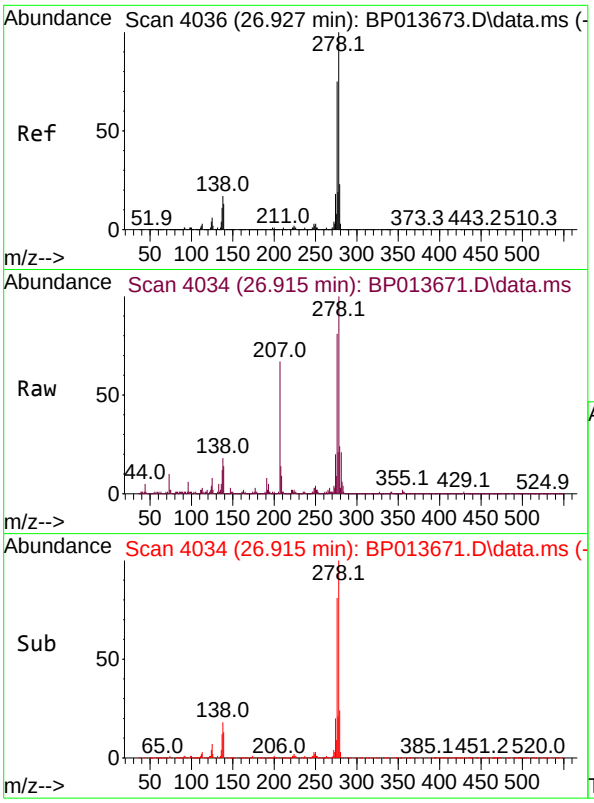


#90
Benzo(a)pyrene
Concen: 9.662 ng
RT: 24.069 min Scan# 3550
Delta R.T. -0.006 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:252 Resp: 910055

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	9.3	7.0	10.4

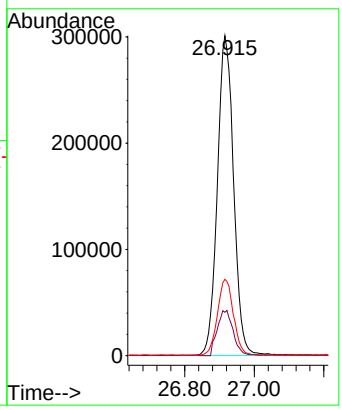




#91
Dibenzo(a,h)anthracene
Concen: 9.788 ng
RT: 26.915 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:278 Resp: 97550

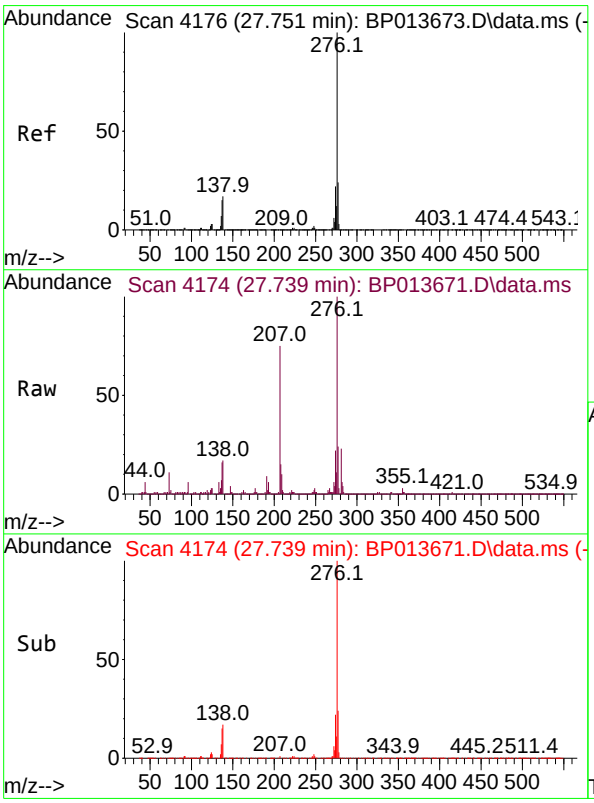
Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.6	16.0
279	23.8	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

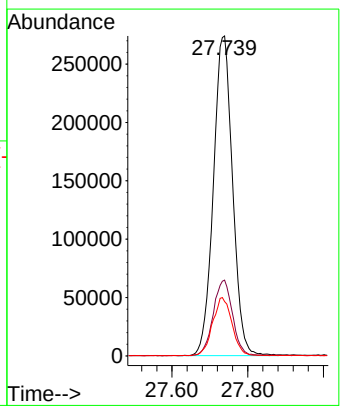
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#92
Benzo(g,h,i)perylene
Concen: 9.738 ng
RT: 27.739 min Scan# 4174
Delta R.T. -0.012 min
Lab File: BP013671.D
Acq: 31 Jan 2023 12:30

Tgt Ion:276 Resp: 963855

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	17.0	14.0	21.0



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013672.D
Acq On : 31 Jan 2023 13:04
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Feb 01 03:01:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.140	152	232095	20.000	ng		0.00
21) Naphthalene-d8	10.969	136	864783	20.000	ng		0.00
39) Acenaphthene-d10	14.775	164	574867	20.000	ng		0.00
64) Phenanthrene-d10	17.528	188	1318675	20.000	ng		0.00
76) Chrysene-d12	21.610	240	1383138	20.000	ng		0.00
86) Perylene-d12	24.180	264	1596192	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.669	112	550601	40.554	ng		0.00
7) Phenol-d6	7.287	99	729453	40.328	ng		0.00
23) Nitrobenzene-d5	9.316	82	585728	39.399	ng		0.00
42) 2,4,6-Tribromophenol	16.263	330	339579	39.383	ng		0.00
45) 2-Fluorobiphenyl	13.404	172	1698701	41.348	ng		0.00
79) Terphenyl-d14	20.057	244	2885228	41.423	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.517	88	117959	20.536	ng		97
3) Pyridine	3.934	79	333808	20.526	ng		99
4) n-Nitrosodimethylamine	3.840	42	120355	20.296	ng	#	96
6) Aniline	7.458	93	479986	20.355	ng		98
8) 2-Chlorophenol	7.699	128	290657	20.334	ng		98
9) Benzaldehyde	7.269	77	220181	24.093	ng		99
10) Phenol	7.311	94	381485	20.189	ng		98
11) bis(2-Chloroethyl)ether	7.552	93	304056	20.143	ng		100
12) 1,3-Dichlorobenzene	8.028	146	327581	20.345	ng		98
13) 1,4-Dichlorobenzene	8.175	146	334010	20.502	ng		97
14) 1,2-Dichlorobenzene	8.499	146	317914	20.393	ng		99
15) Benzyl Alcohol	8.381	79	252183	19.689	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.675	45	358679	20.269	ng		99
17) 2-Methylphenol	8.581	107	269114	20.324	ng		98
18) Hexachloroethane	9.234	117	106787	19.878	ng		92
19) n-Nitroso-di-n-propyla...	8.952	70	232814	20.515	ng		99
20) 3+4-Methylphenols	8.910	107	365815	20.251	ng		97
22) Acetophenone	8.969	105	457268	20.277	ng	#	99
24) Nitrobenzene	9.357	77	321768	19.954	ng		99
25) Isophorone	9.887	82	660366	20.041	ng		99
26) 2-Nitrophenol	10.075	139	127494	18.889	ng		97
27) 2,4-Dimethylphenol	10.122	122	266047	19.253	ng		100
28) bis(2-Chloroethoxy)met...	10.363	93	398892	20.198	ng		99
29) 2,4-Dichlorophenol	10.610	162	288544	19.935	ng		99
30) 1,2,4-Trichlorobenzene	10.828	180	322936	20.108	ng		99
31) Naphthalene	11.022	128	921913	20.275	ng		99
32) Benzoic acid	10.222	122	178890	18.096	ng		97
33) 4-Chloroaniline	11.128	127	401570	20.099	ng		99
34) Hexachlorobutadiene	11.304	225	202285	19.843	ng		97
35) Caprolactam	11.899	113	92339	19.502	ng		97
36) 4-Chloro-3-methylphenol	12.234	107	304116	19.975	ng		98
37) 2-Methylnaphthalene	12.616	142	692719	20.261	ng		98
38) 1-Methylnaphthalene	12.834	142	651141	20.275	ng		99
40) 1,2,4,5-Tetrachloroben...	12.975	216	393637	20.057	ng		99
41) Hexachlorocyclopentadiene	12.957	237	157754	17.611	ng		95
43) 2,4,6-Trichlorophenol	13.210	196	258934	20.036	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013672.D
Acq On : 31 Jan 2023 13:04
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Feb 01 03:01:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.281	196	303065	20.029	ng	98
46) 1,1'-Biphenyl	13.610	154	891842	20.501	ng	100
47) 2-Chloronaphthalene	13.657	162	688869	20.486	ng	98
48) 2-Nitroaniline	13.857	65	130687	18.188	ng	97
49) Acenaphthylene	14.498	152	1105805	20.392	ng	99
50) Dimethylphthalate	14.222	163	903323	20.316	ng	100
51) 2,6-Dinitrotoluene	14.345	165	157246	19.787	ng	96
52) Acenaphthene	14.840	154	695528	20.563	ng	100
53) 3-Nitroaniline	14.675	138	170753	19.702	ng	99
54) 2,4-Dinitrophenol	14.881	184	75274	15.563	ng	98
55) Dibenzofuran	15.175	168	1112099	20.354	ng	99
56) 4-Nitrophenol	14.969	139	143063	18.557	ng	97
57) 2,4-Dinitrotoluene	15.128	165	196398	18.832	ng	96
58) Fluorene	15.822	166	889418	20.734	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.392	232	260416	19.792	ng	100
60) Diethylphthalate	15.581	149	860161	20.179	ng	99
61) 4-Chlorophenyl-phenyle...	15.810	204	466566	19.973	ng	97
62) 4-Nitroaniline	15.834	138	171093	19.879	ng	96
63) Azobenzene	16.104	77	811105	20.599	ng	98
65) 4,6-Dinitro-2-methylph...	15.892	198	115420	16.794	ng	99
66) n-Nitrosodiphenylamine	16.028	169	779122	20.306	ng	99
67) 4-Bromophenyl-phenylether	16.710	248	302741	20.028	ng	97
68) Hexachlorobenzene	16.828	284	332458	19.862	ng	96
69) Atrazine	16.975	200	256804	20.569	ng	99
70) Pentachlorophenol	17.175	266	243337	19.708	ng	99
71) Phenanthrene	17.575	178	1446056	20.459	ng	99
72) Anthracene	17.663	178	1451249	20.338	ng	99
73) Carbazole	17.928	167	1326191	20.468	ng	99
74) Di-n-butylphthalate	18.457	149	1430613	20.176	ng	100
75) Fluoranthene	19.522	202	1787091	20.309	ng	100
77) Benzidine	19.692	184	568778	19.038	ng	98
78) Pyrene	19.875	202	1873915	20.138	ng	99
80) Butylbenzylphthalate	20.727	149	480313	18.907	ng	97
81) Benzo(a)anthracene	21.592	228	1934856	20.140	ng	99
82) 3,3'-Dichlorobenzidine	21.510	252	618557	20.365	ng	99
83) Chrysene	21.645	228	1848560	20.196	ng	100
84) Bis(2-ethylhexyl)phtha...	21.492	149	841635	19.458	ng	100
85) Di-n-octyl phthalate	22.474	149	1533037	19.409	ng	100
87) Indeno(1,2,3-cd)pyrene	26.898	276	2421888	19.951	ng	99
88) Benzo(b)fluoranthene	23.386	252	1964422	20.477	ng	99
89) Benzo(k)fluoranthene	23.439	252	1941694	20.207	ng	99
90) Benzo(a)pyrene	24.063	252	1914185	20.101	ng	99
91) Dibenzo(a,h)anthracene	26.921	278	2016395	20.011	ng	98
92) Benzo(g,h,i)perylene	27.739	276	1993206	19.917	ng	99

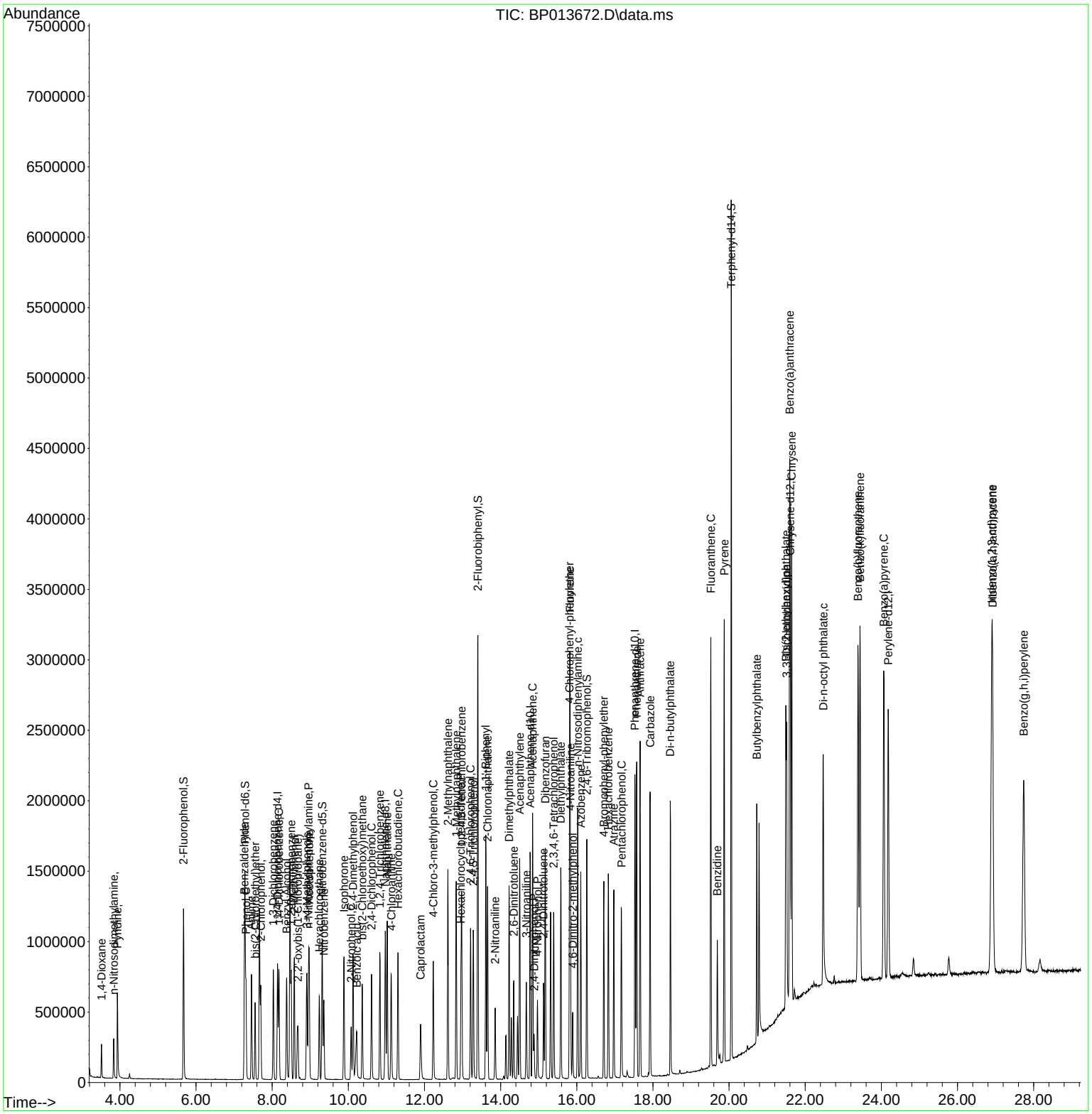
(#) = qualifier out of range (m) = manual integration (+) = signals summed

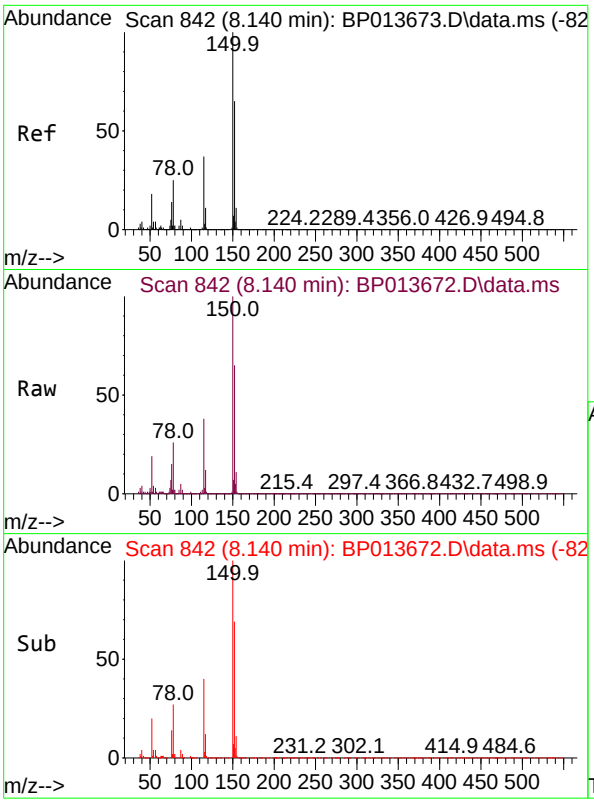
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013672.D
Acq On : 31 Jan 2023 13:04
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Feb 01 03:01:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration



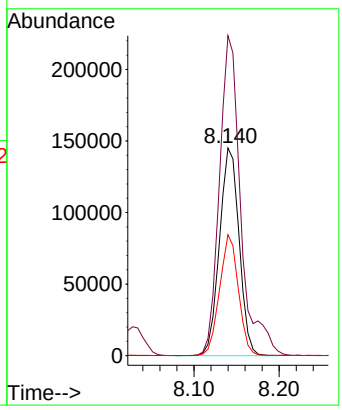


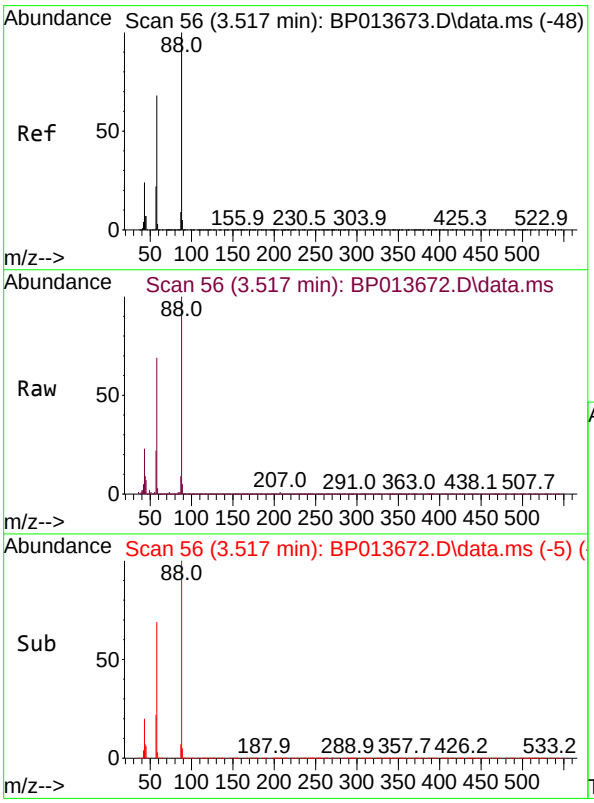
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.140 min Scan# 84
Delta R.T. -0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 232095

Ion	Ratio	Lower	Upper
152	100		
150	154.1	123.6	185.4
115	58.2	45.4	68.0

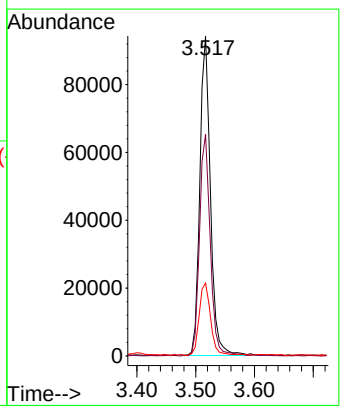


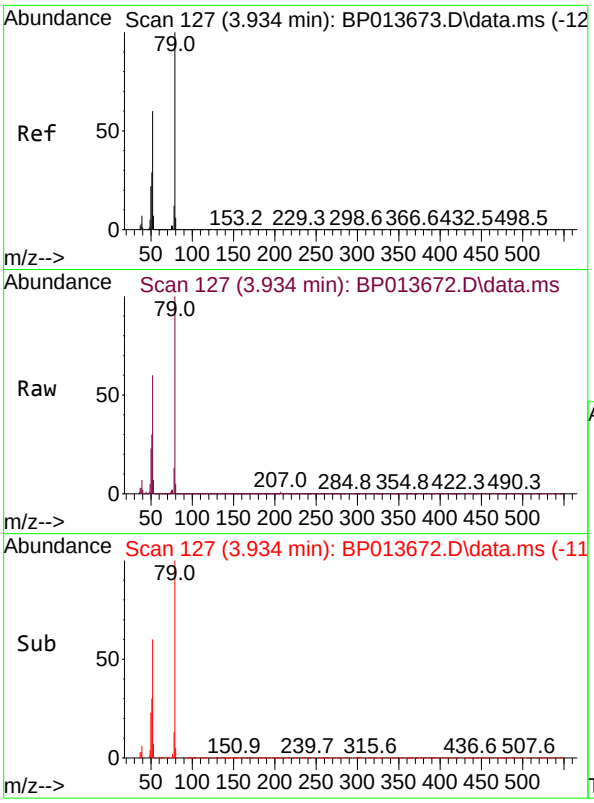


#2
1,4-Dioxane
Concen: 20.536 ng
RT: 3.517 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion: 88 Resp: 117959

Ion	Ratio	Lower	Upper
88	100		
58	70.4	53.8	80.8
43	24.1	19.8	29.6



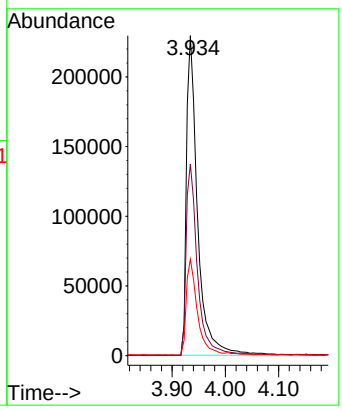


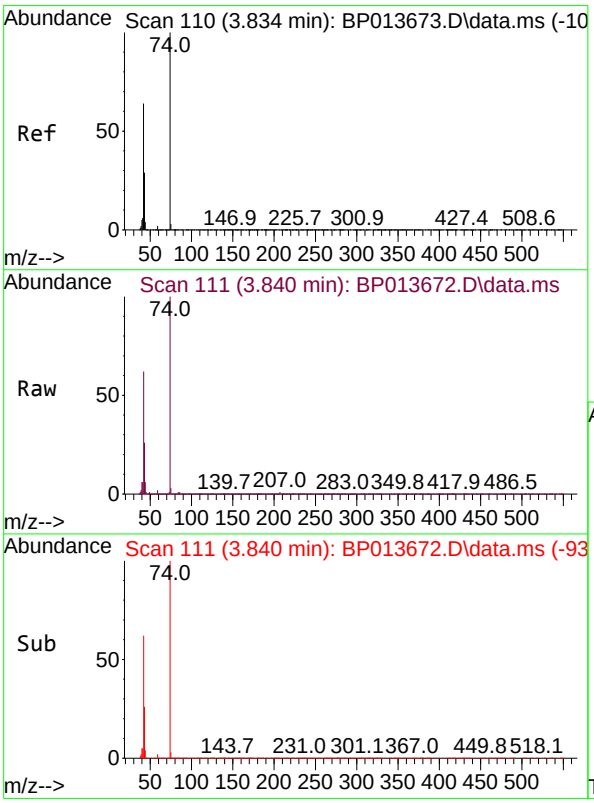
#3
Pyridine
Concen: 20.526 ng
RT: 3.934 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 333808

Ion	Ratio	Lower	Upper
79	100		
52	59.9	48.2	72.2
51	30.1	23.6	35.4

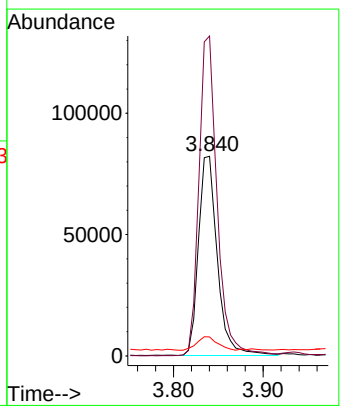


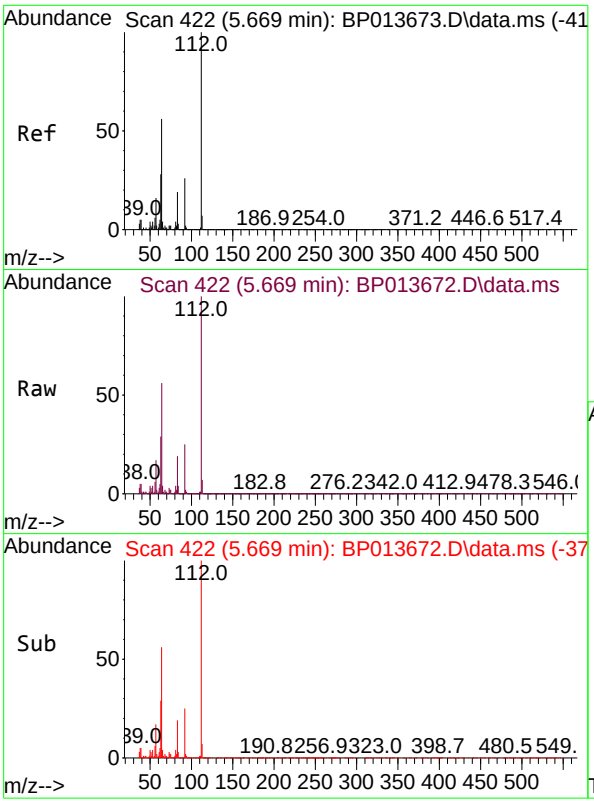


#4
n-Nitrosodimethylamine
Concen: 20.296 ng
RT: 3.840 min Scan# 111
Delta R.T. 0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion: 42 Resp: 120355

Ion	Ratio	Lower	Upper
42	100		
74	160.3	124.6	187.0
44	9.5	6.3	9.5#



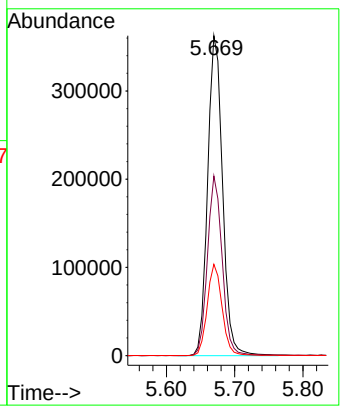


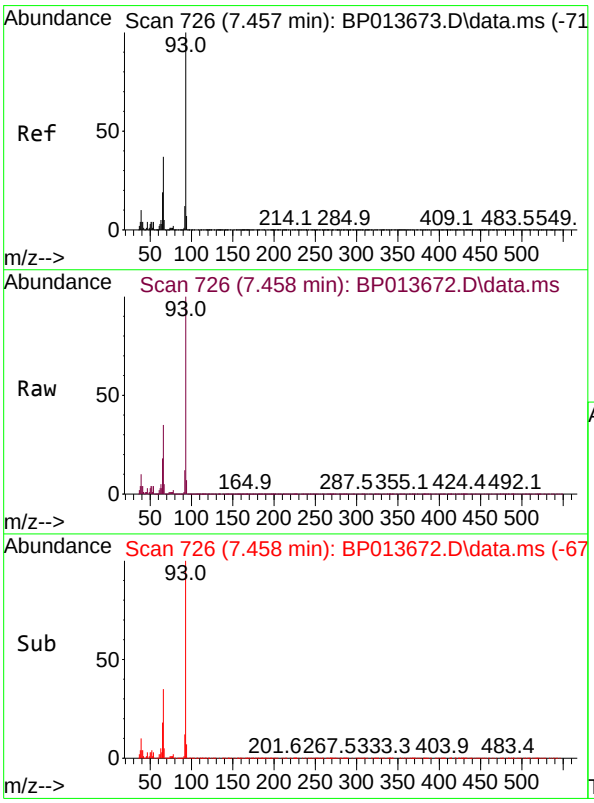
#5
2-Fluorophenol
Concen: 40.554 ng
RT: 5.669 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 550601

Ion	Ratio	Lower	Upper
112	100		
64	56.1	44.6	67.0
63	28.5	22.6	34.0

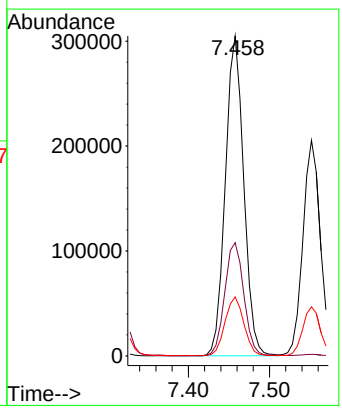


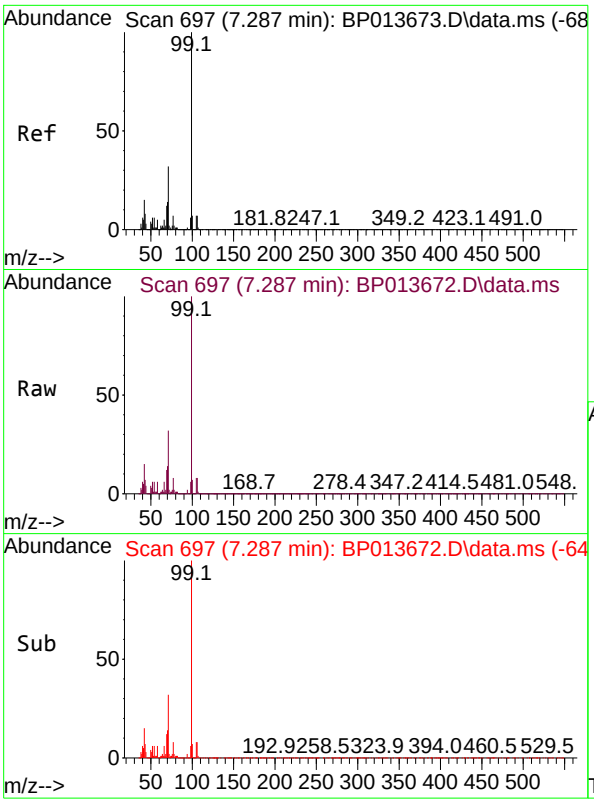


#6
Aniline
Concen: 20.355 ng
RT: 7.458 min Scan# 726
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion: 93 Resp: 479986

Ion	Ratio	Lower	Upper
93	100		
66	35.4	29.3	43.9
65	18.4	15.1	22.7



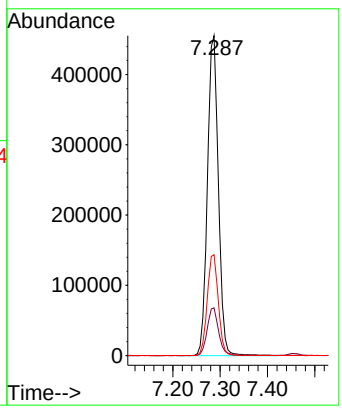


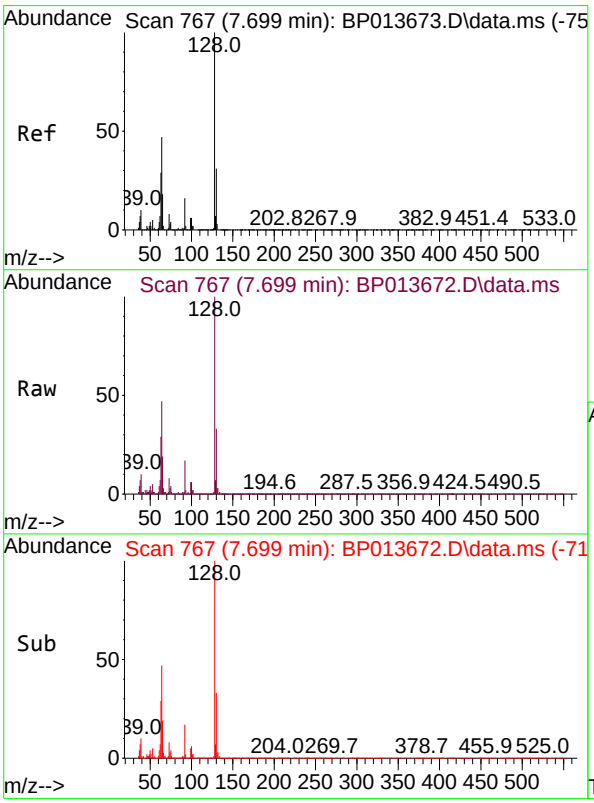
#7
Phenol-d6
Concen: 40.328 ng
RT: 7.287 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 729453

Ion	Ratio	Lower	Upper
99	100		
42	14.9	11.8	17.6
71	31.5	25.6	38.4

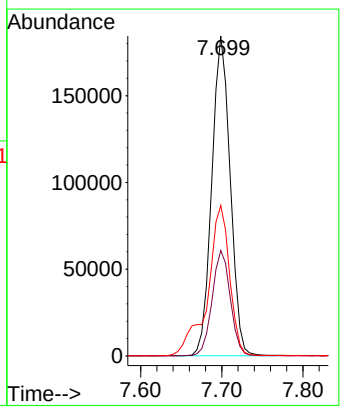


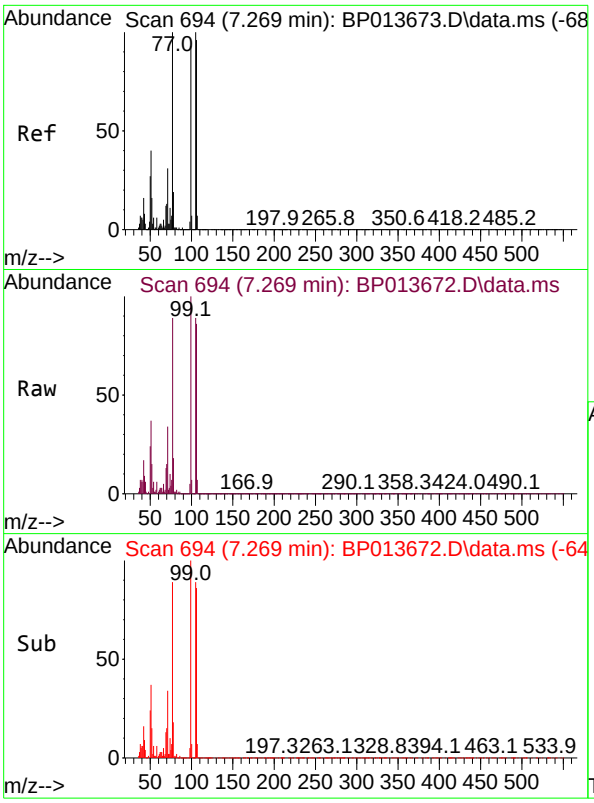


#8
2-Chlorophenol
Concen: 20.334 ng
RT: 7.699 min Scan# 767
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:128 Resp: 290657

Ion	Ratio	Lower	Upper
128	100		
130	32.9	10.8	50.8
64	47.0	26.9	66.9



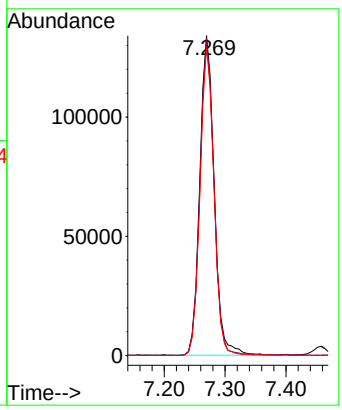


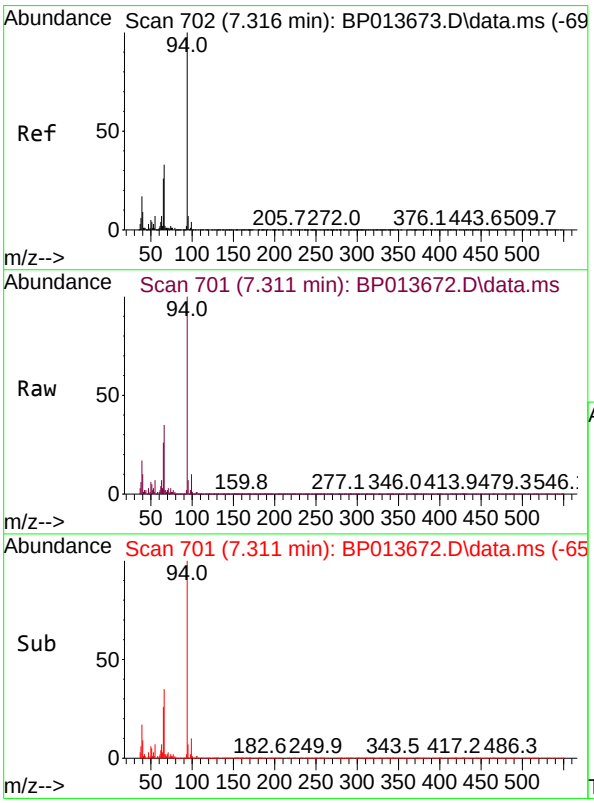
#9
Benzaldehyde
Concen: 24.093 ng
RT: 7.269 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 220181

Ion	Ratio	Lower	Upper
77	100		
105	99.1	80.4	120.4
106	96.5	76.7	116.7

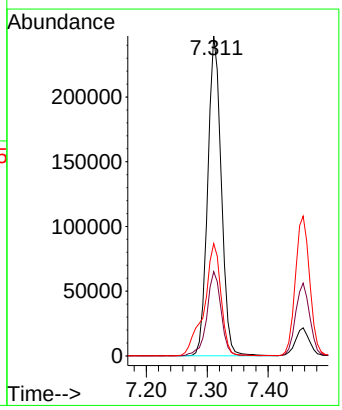


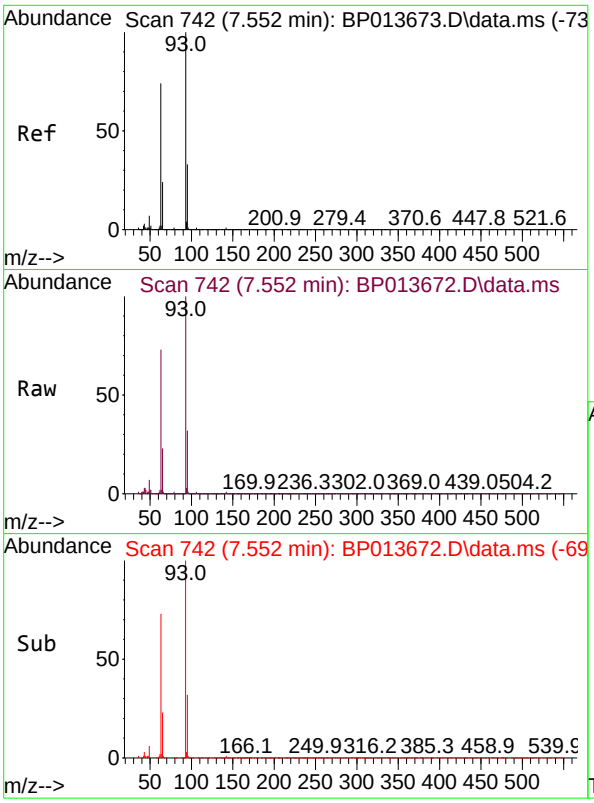


#10
Phenol
Concen: 20.189 ng
RT: 7.311 min Scan# 701
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion: 94 Resp: 381485

Ion	Ratio	Lower	Upper
94	100		
65	26.3	6.0	46.0
66	35.1	13.1	53.1



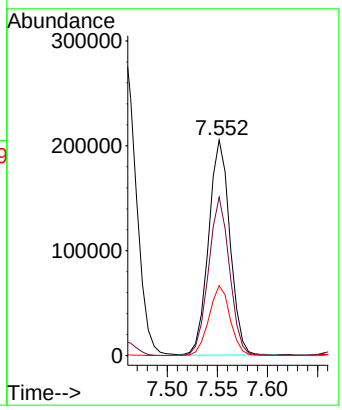


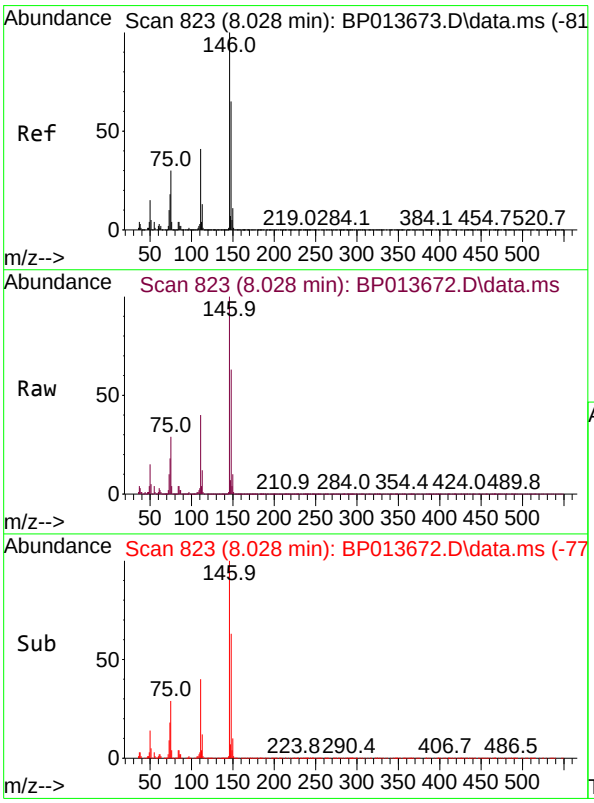
#11
bis(2-Chloroethyl)ether
Concen: 20.143 ng
RT: 7.552 min Scan# 74
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 304056

Ion	Ratio	Lower	Upper
93	100		
63	73.5	53.7	93.7
95	32.5	12.4	52.4

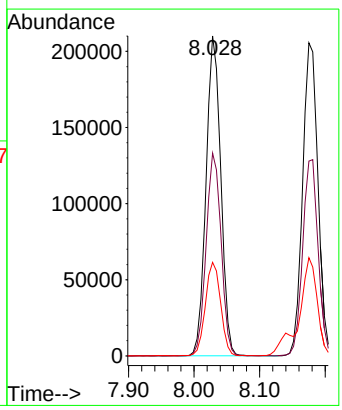


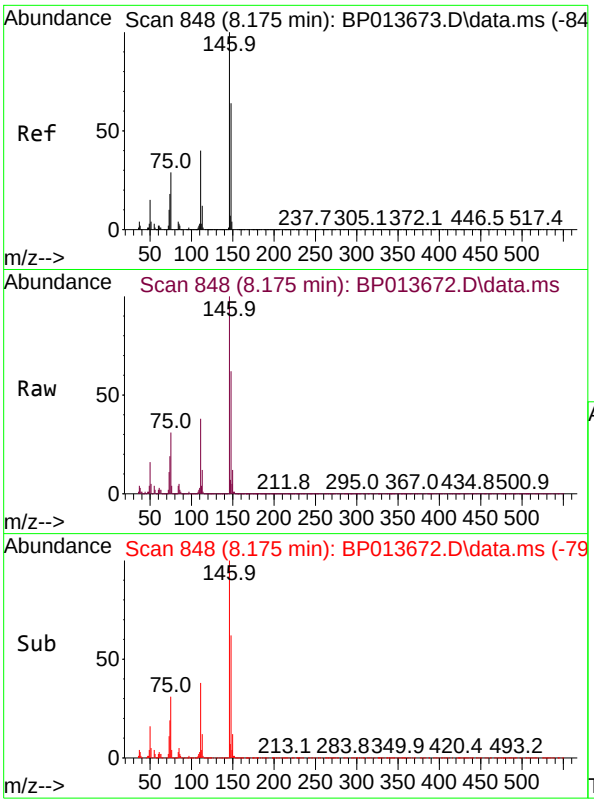


#12
1,3-Dichlorobenzene
Concen: 20.345 ng
RT: 8.028 min Scan# 823
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:146 Resp: 327581

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.9	77.9
75	29.2	24.0	36.0



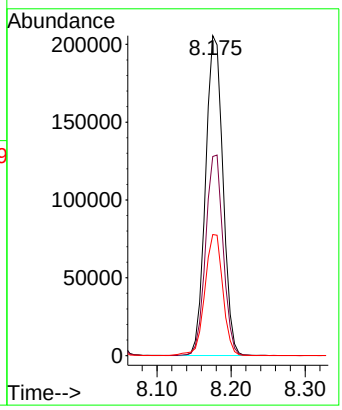


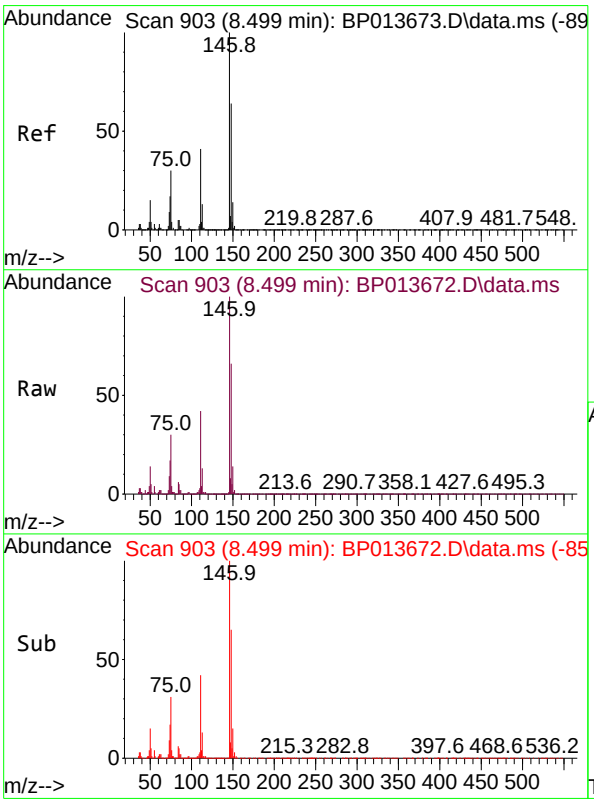
#13
1,4-Dichlorobenzene
Concen: 20.502 ng
RT: 8.175 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 334010

Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.5	77.3
111	37.8	32.0	48.0

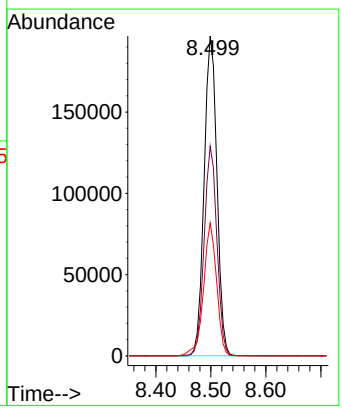


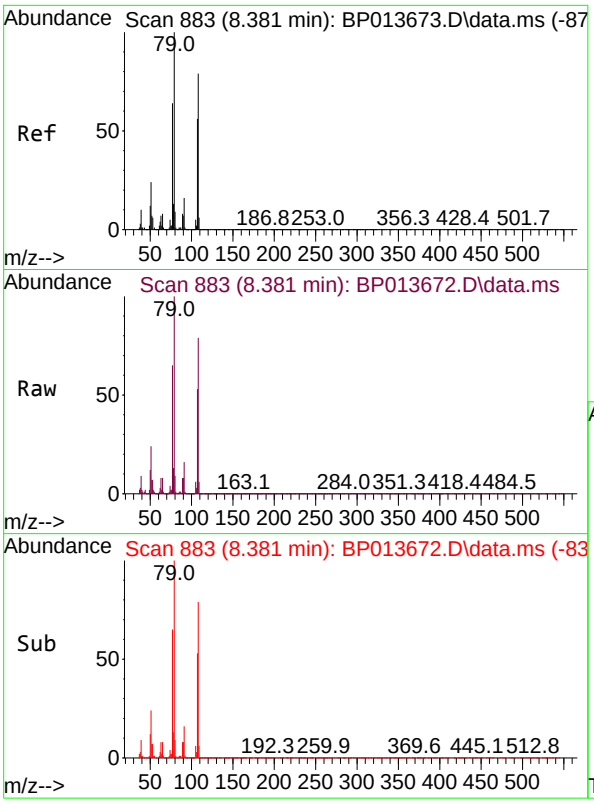


#14
1,2-Dichlorobenzene
Concen: 20.393 ng
RT: 8.499 min Scan# 903
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:146 Resp: 317914

Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.3	76.9
111	41.5	32.8	49.2



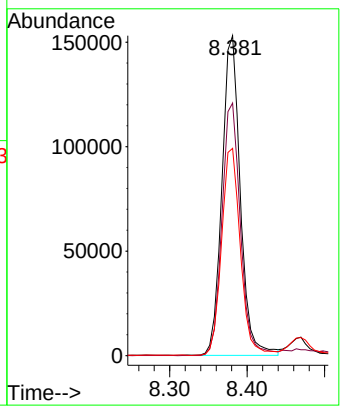


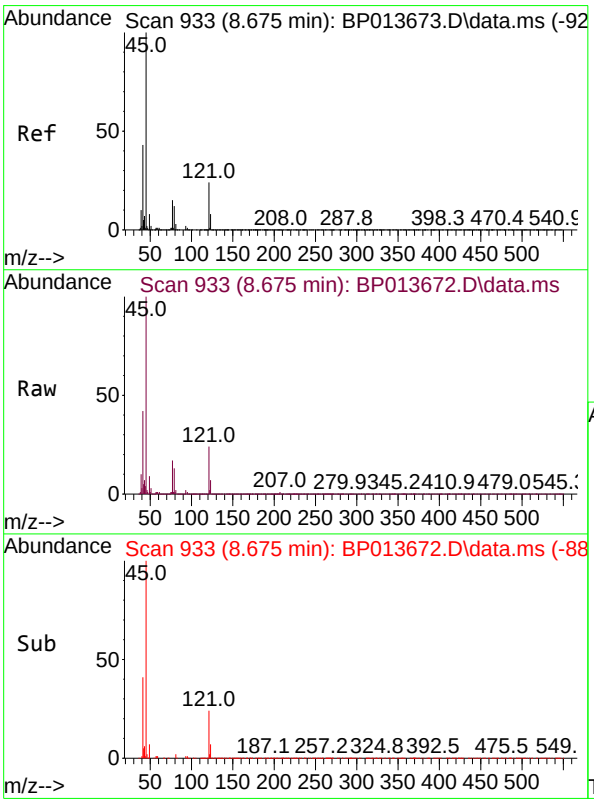
#15
Benzyl Alcohol
Concen: 19.689 ng
RT: 8.381 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 252183

Ion	Ratio	Lower	Upper
79	100		
108	78.9	62.9	94.3
77	64.8	51.1	76.7

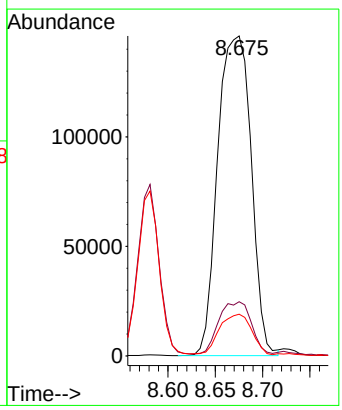


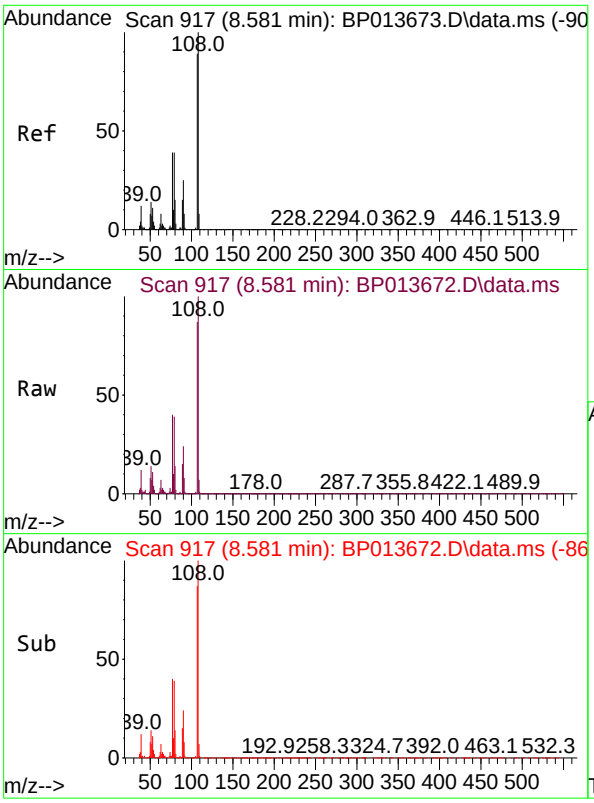


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.269 ng
RT: 8.675 min Scan# 933
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion: 45 Resp: 358679

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.4
79	13.0	0.0	33.4



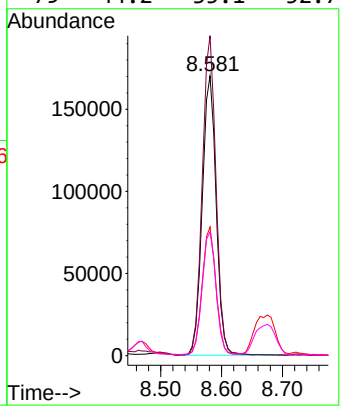


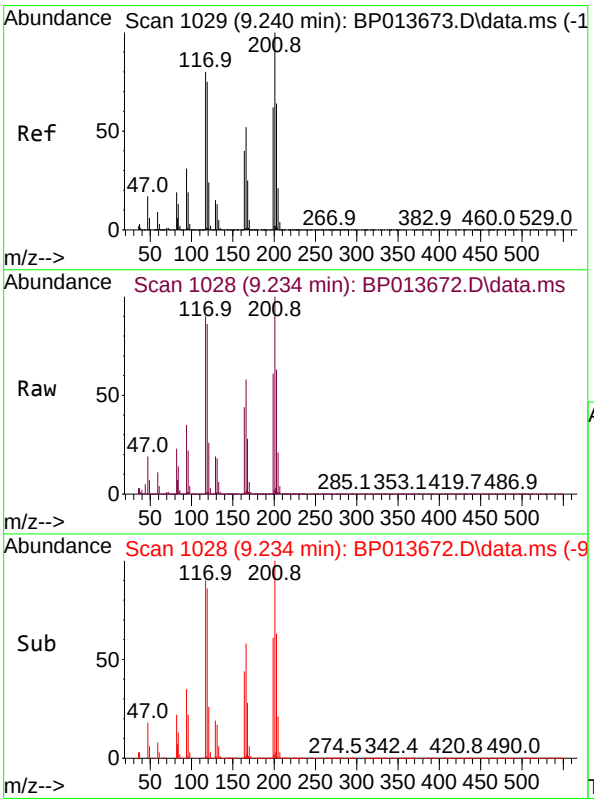
#17
2-Methylphenol
Concen: 20.324 ng
RT: 8.581 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 269114

Ion	Ratio	Lower	Upper
107	100		
108	114.4	90.0	135.0
77	45.9	35.7	53.5
79	44.2	35.1	52.7

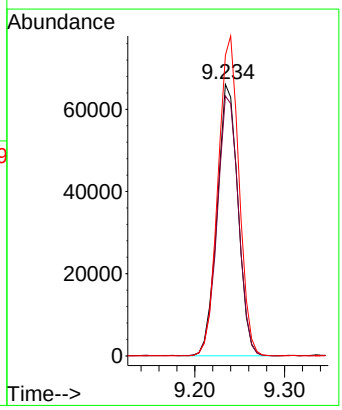


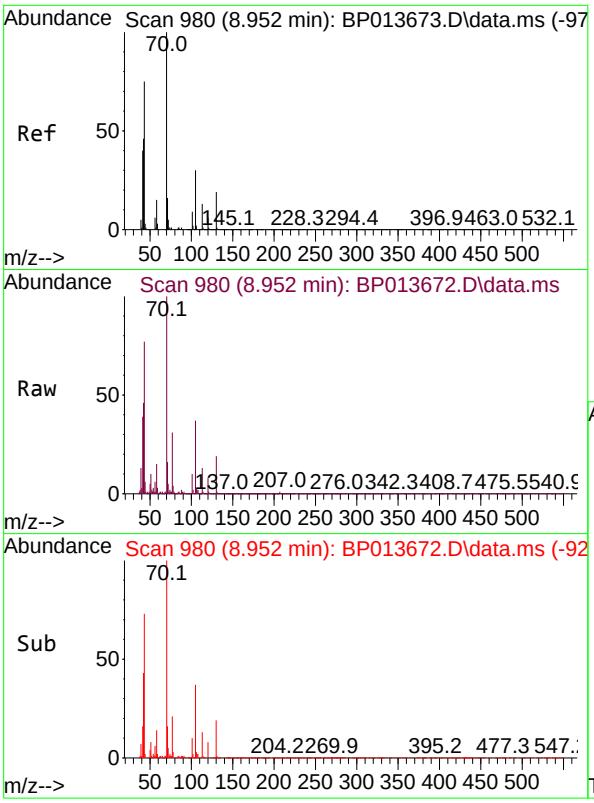


#18
Hexachloroethane
Concen: 19.878 ng
RT: 9.234 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:117 Resp: 106787

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.0	112.4
201	110.6	100.4	150.6



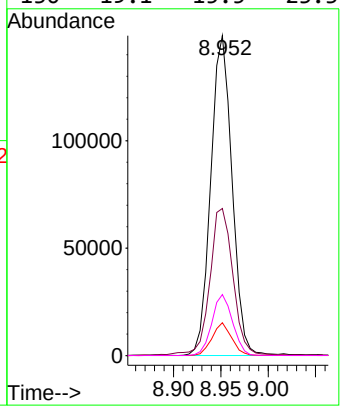


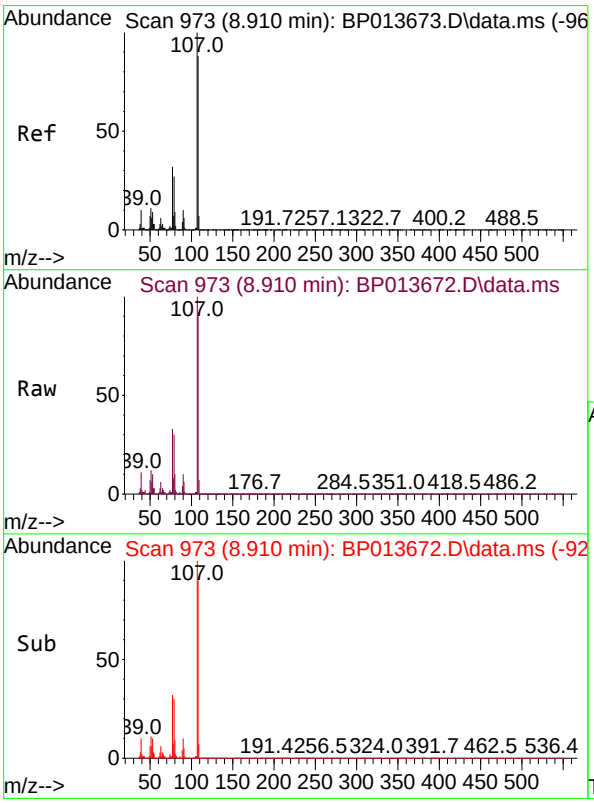
#19
n-Nitroso-di-n-propylamine
Concen: 20.515 ng
RT: 8.952 min Scan# 98
Delta R.T. -0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 232814

Ion	Ratio	Lower	Upper
70	100		
42	46.0	37.2	55.8
101	10.3	7.4	11.2
130	19.1	15.5	23.3

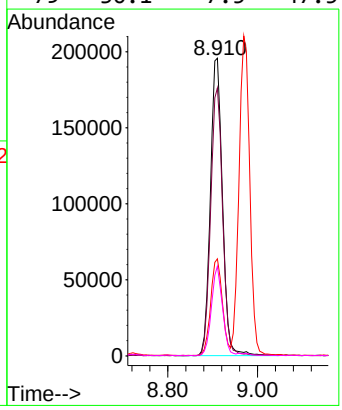


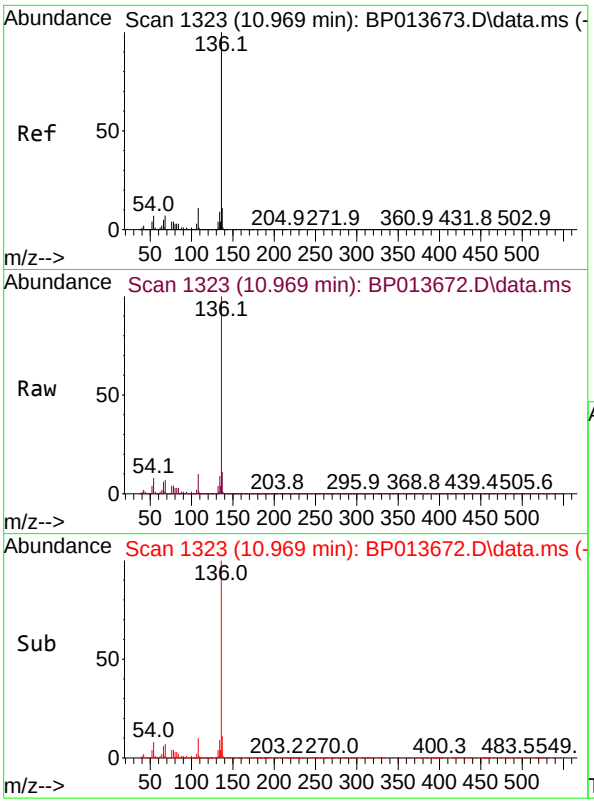


#20
3+4-Methylphenols
Concen: 20.251 ng
RT: 8.910 min Scan# 973
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:107 Resp: 365815

Ion	Ratio	Lower	Upper
107	100		
108	90.0	67.7	107.7
77	32.6	12.0	52.0
79	30.1	7.5	47.5



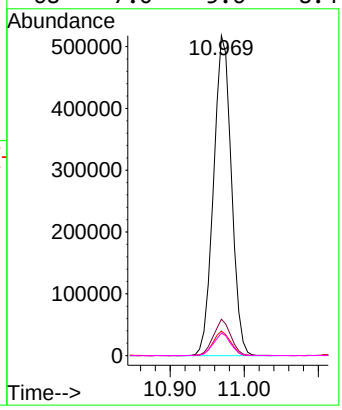


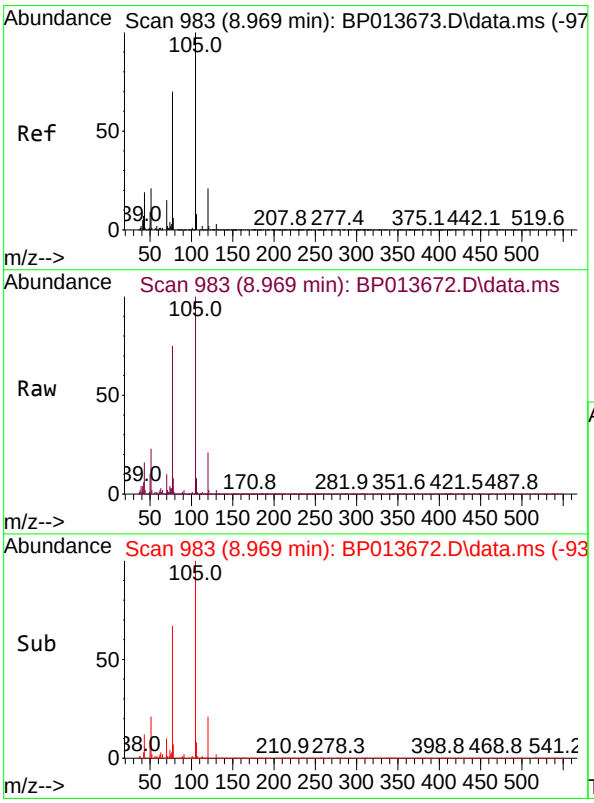
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 864783

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	7.7	6.0	9.0
68	7.0	5.6	8.4

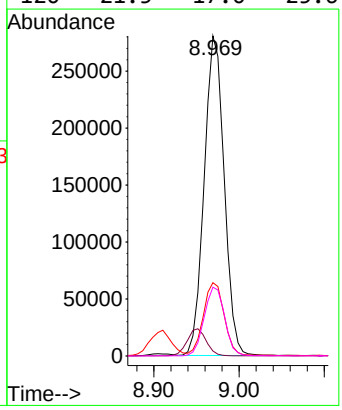


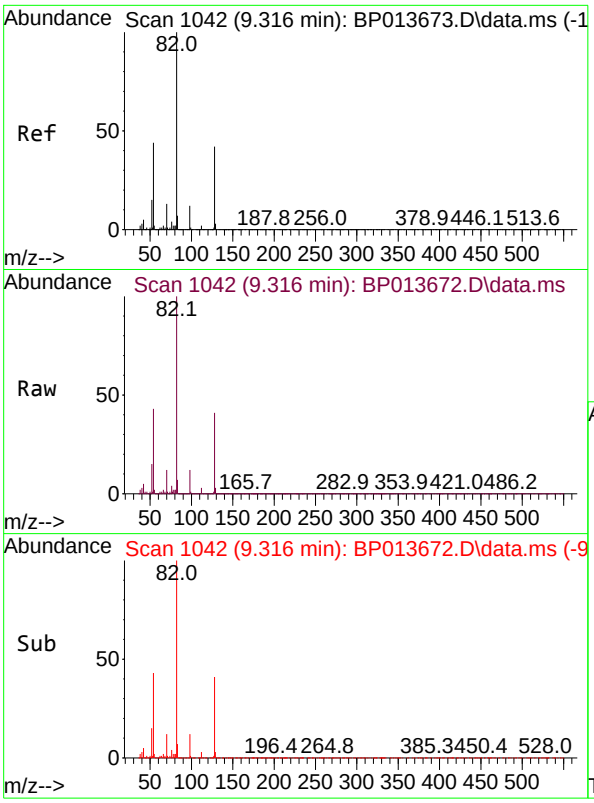


#22
Acetophenone
Concen: 20.277 ng
RT: 8.969 min Scan# 983
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:105 Resp: 457268

Ion	Ratio	Lower	Upper
105	100		
71	1.5	2.2	3.2#
51	22.9	18.6	27.8
120	21.5	17.0	25.6



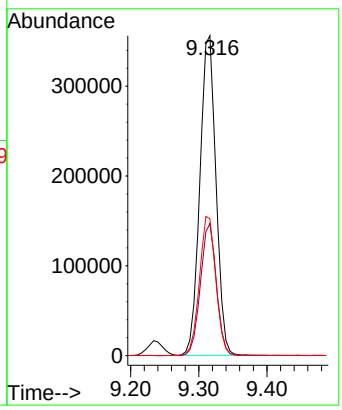


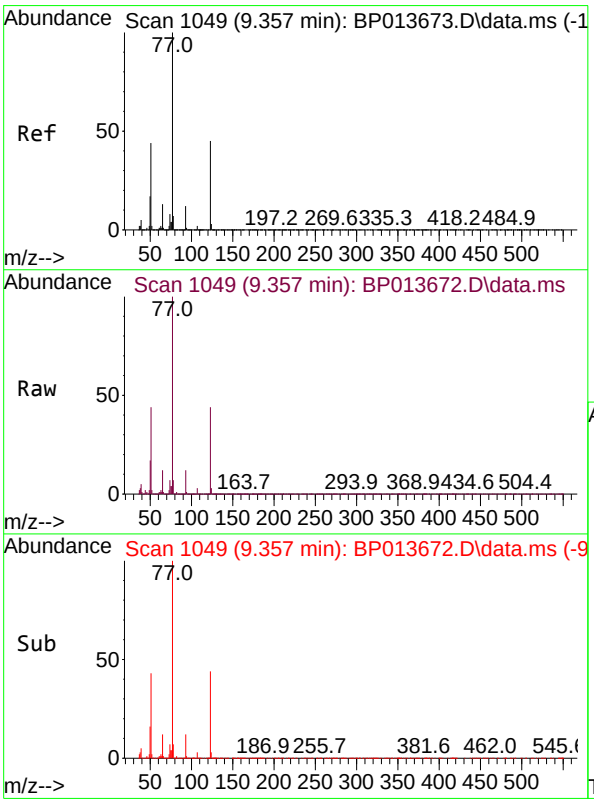
#23
Nitrobenzene-d5
Concen: 39.399 ng
RT: 9.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 585728

Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.4	50.0
54	42.8	35.4	53.0

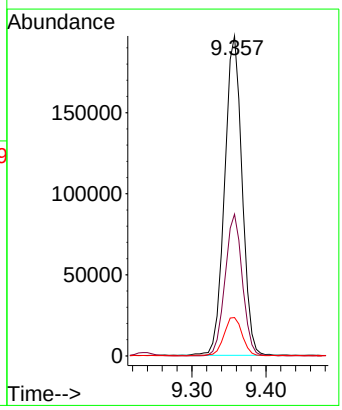


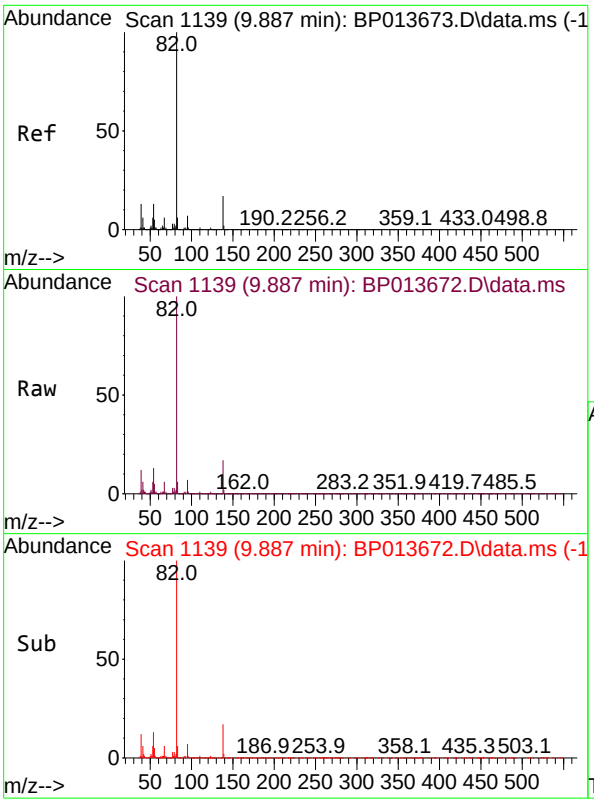


#24
Nitrobenzene
Concen: 19.954 ng
RT: 9.357 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion: 77 Resp: 321768

Ion	Ratio	Lower	Upper
77	100		
123	44.3	35.9	53.9
65	12.0	10.2	15.4



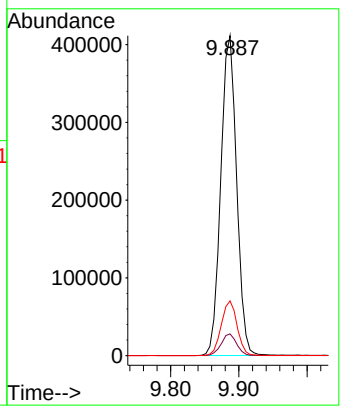


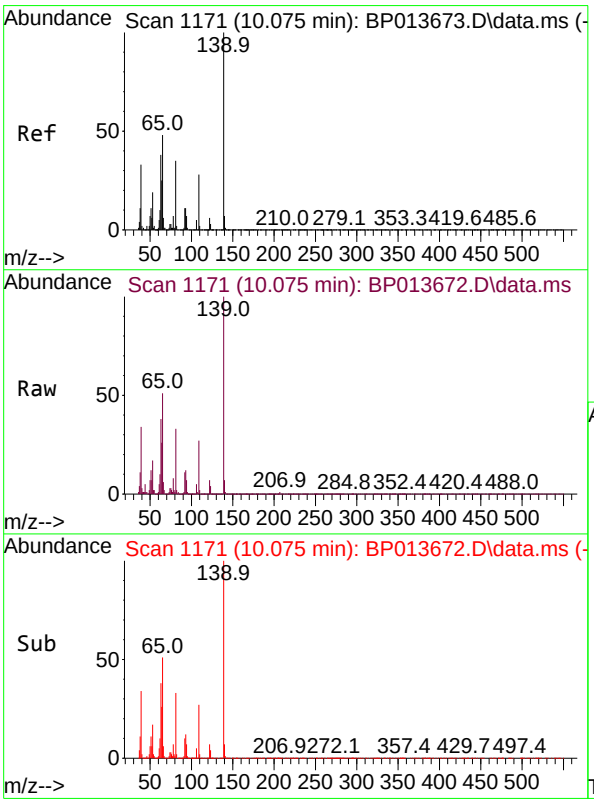
#25
Isophorone
Concen: 20.041 ng
RT: 9.887 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 660366

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	17.1	13.9	20.9

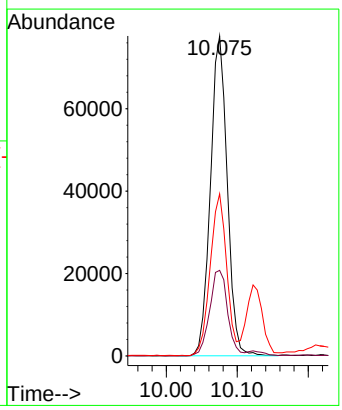


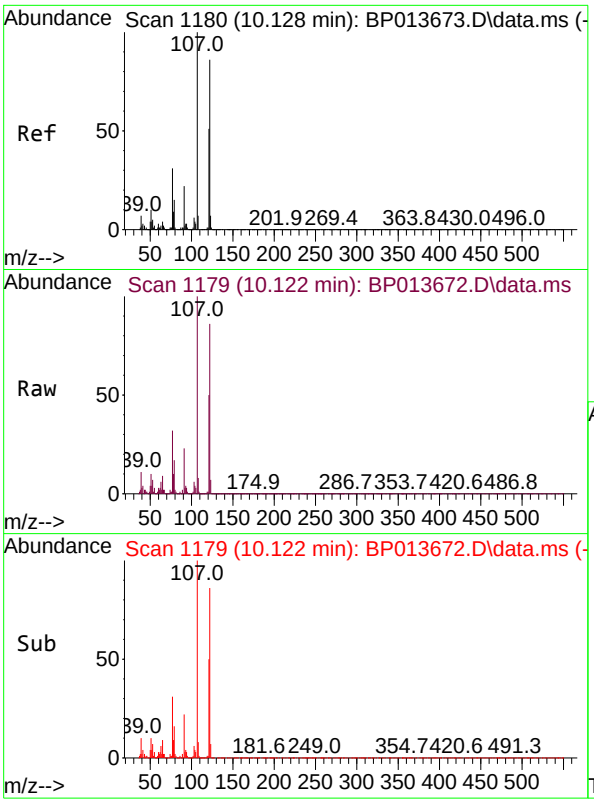


#26
2-Nitrophenol
Concen: 18.889 ng
RT: 10.075 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:139 Resp: 127494

Ion	Ratio	Lower	Upper
139	100		
109	26.7	22.7	34.1
65	50.6	38.8	58.2



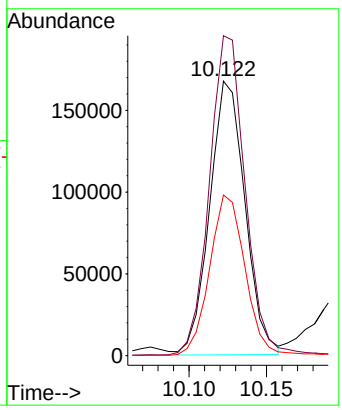


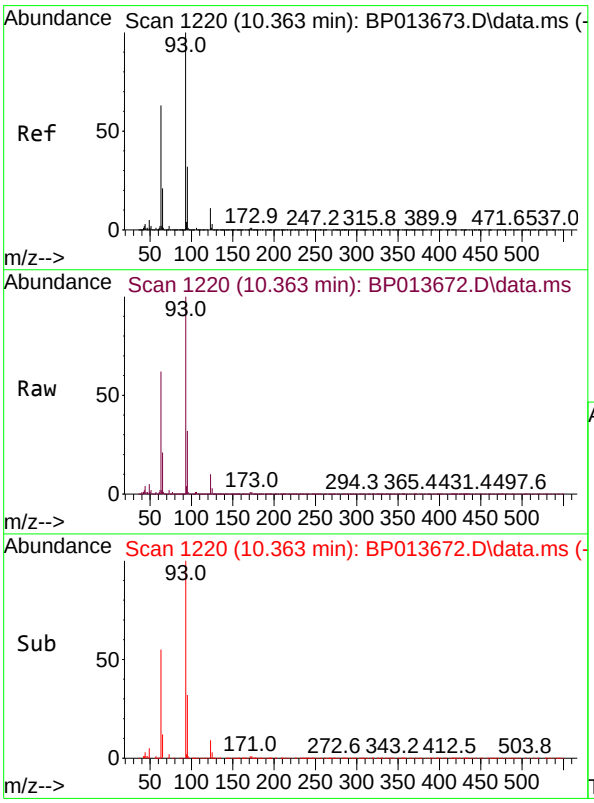
#27
2,4-Dimethylphenol
Concen: 19.253 ng
RT: 10.122 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 266047

Ion	Ratio	Lower	Upper
122	100		
107	116.6	93.0	139.6
121	58.5	47.0	70.4

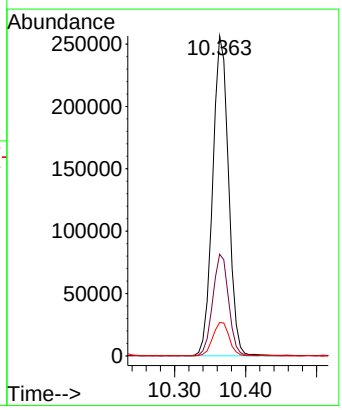


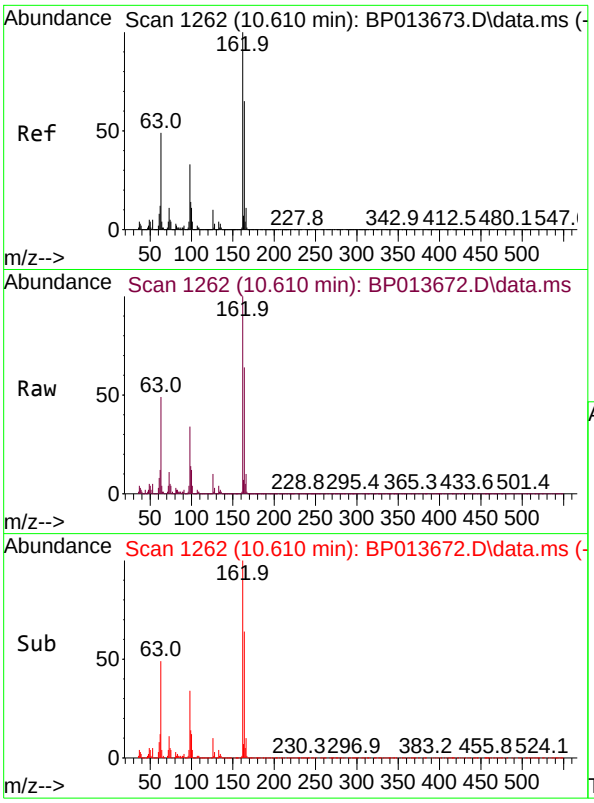


#28
bis(2-Chloroethoxy)methane
Concen: 20.198 ng
RT: 10.363 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion: 93 Resp: 398892

Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.0	39.0
123	10.4	8.7	13.1



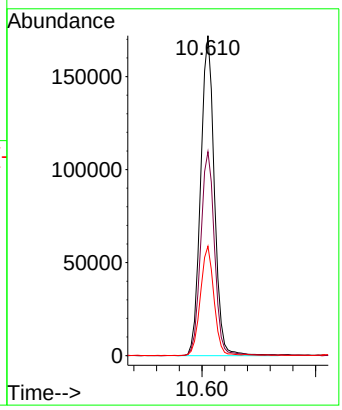


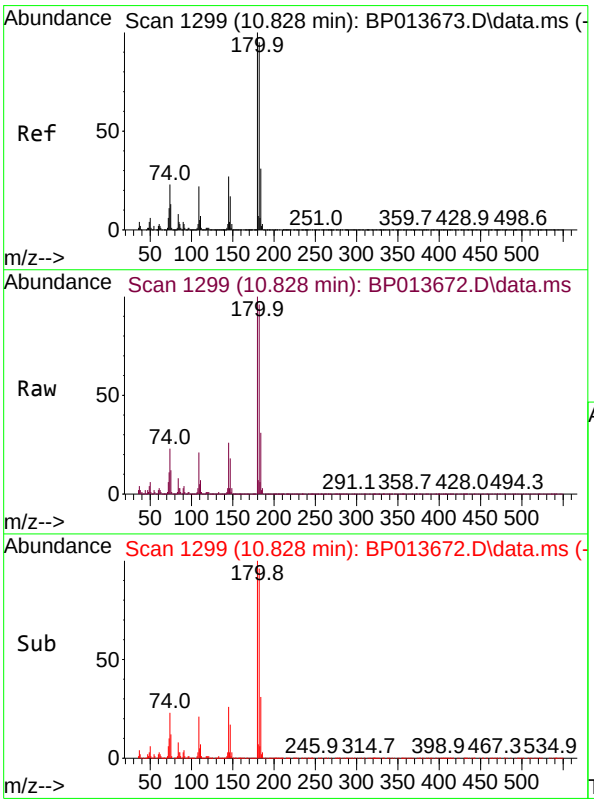
#29
2,4-Dichlorophenol
Concen: 19.935 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 288544

Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.8	84.8
98	34.2	13.4	53.4

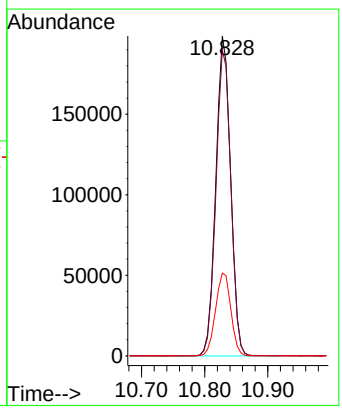


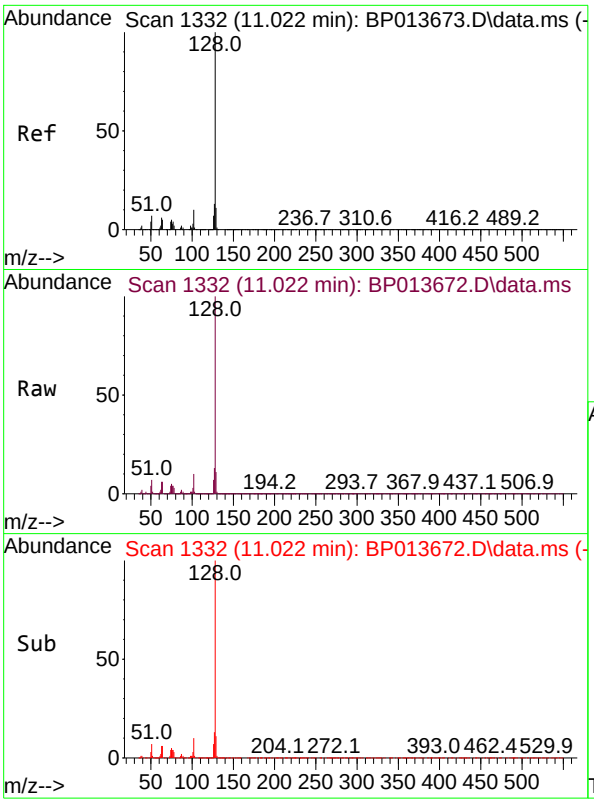


#30
1,2,4-Trichlorobenzene
Concen: 20.108 ng
RT: 10.828 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:180 Resp: 322936

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	25.9	21.9	32.9



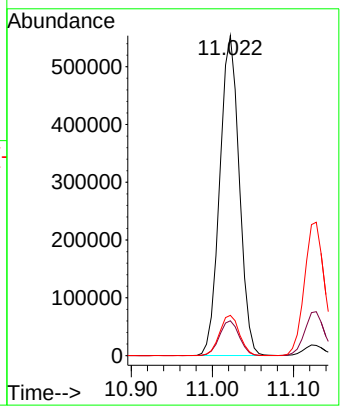


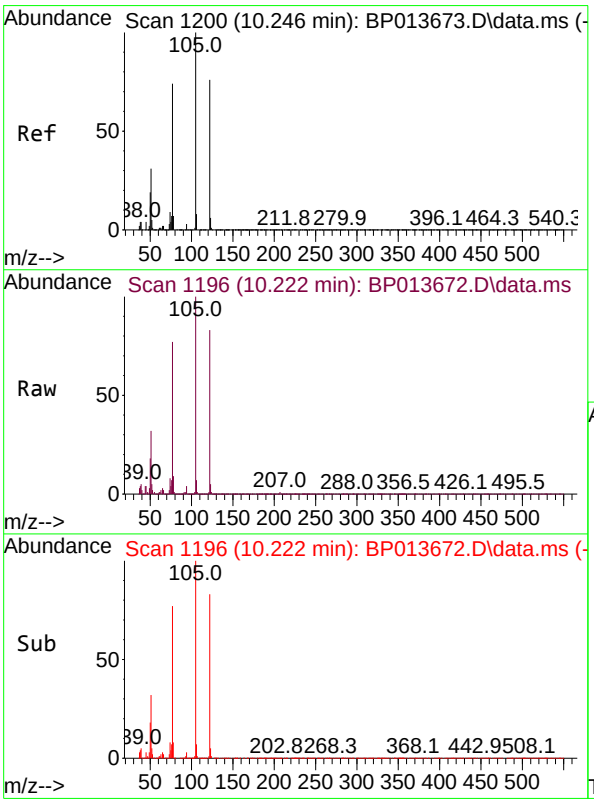
#31
Naphthalene
Concen: 20.275 ng
RT: 11.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 921913

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	12.6	10.5	15.7

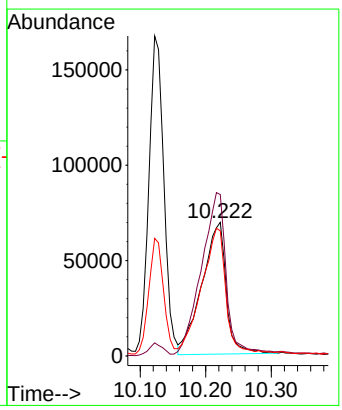


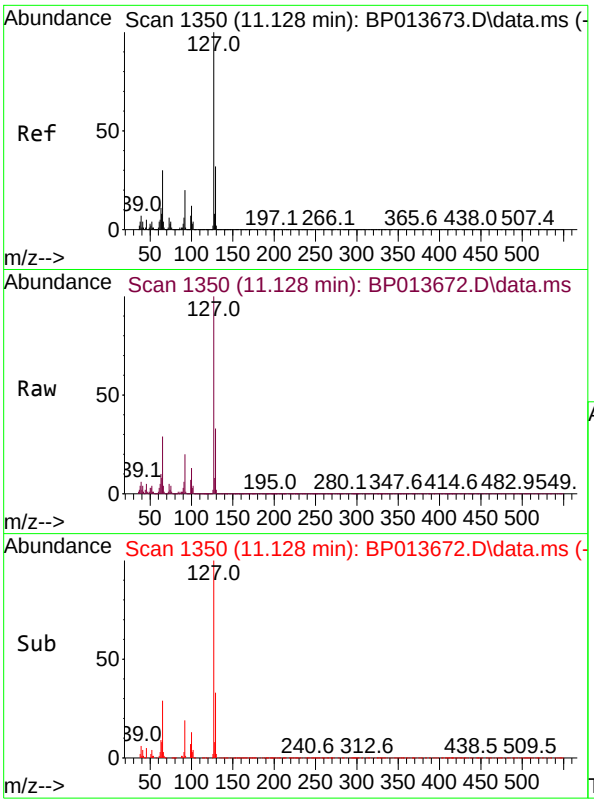


#32
Benzoic acid
Concen: 18.096 ng
RT: 10.222 min Scan# 1196
Delta R.T. -0.024 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:122 Resp: 178890

Ion	Ratio	Lower	Upper
122	100		
105	120.9	105.5	145.5
77	93.7	74.7	114.7



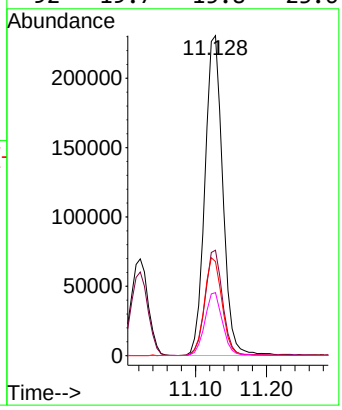


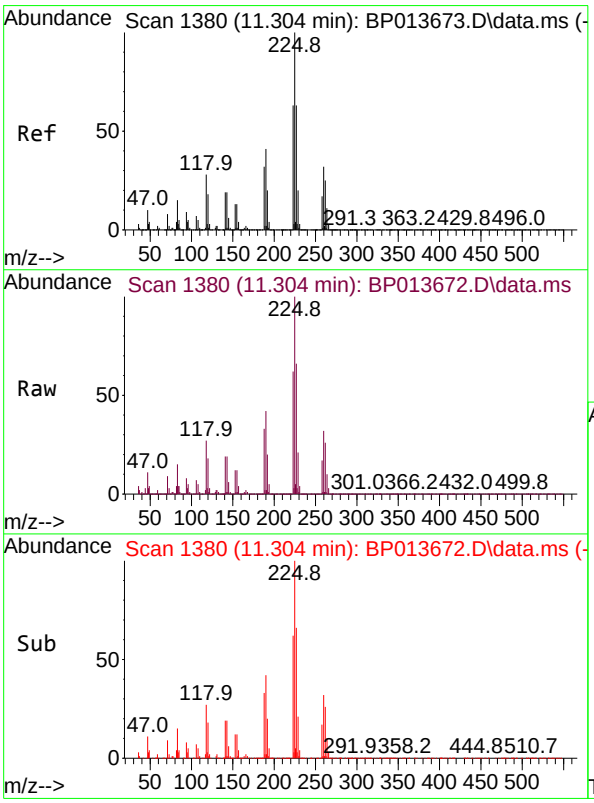
#33
4-Chloroaniline
Concen: 20.099 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 401570

Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.3	37.9
65	29.4	23.8	35.8
92	19.7	15.8	23.6

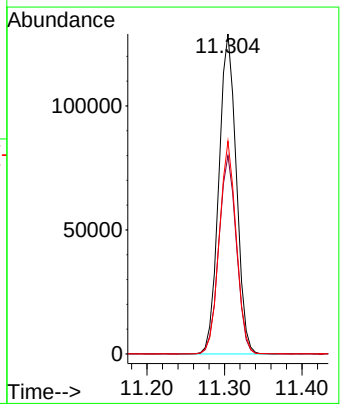


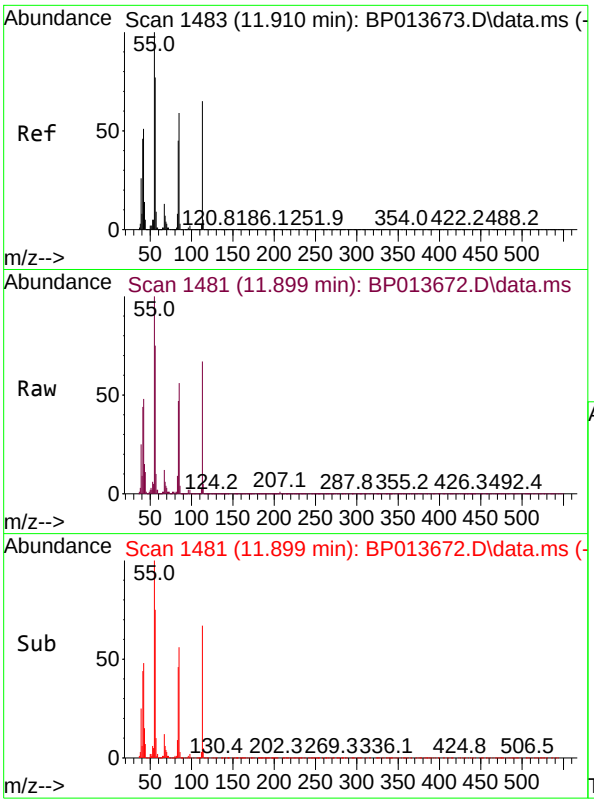


#34
Hexachlorobutadiene
Concen: 19.843 ng
RT: 11.304 min Scan# 1380
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:225 Resp: 202285

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.5	75.7
227	66.5	50.6	75.8



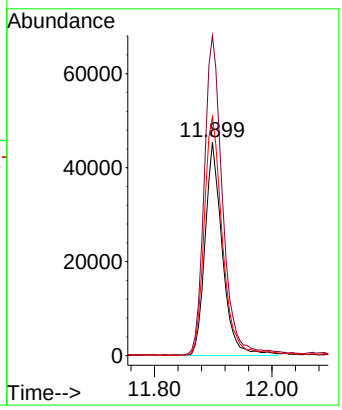


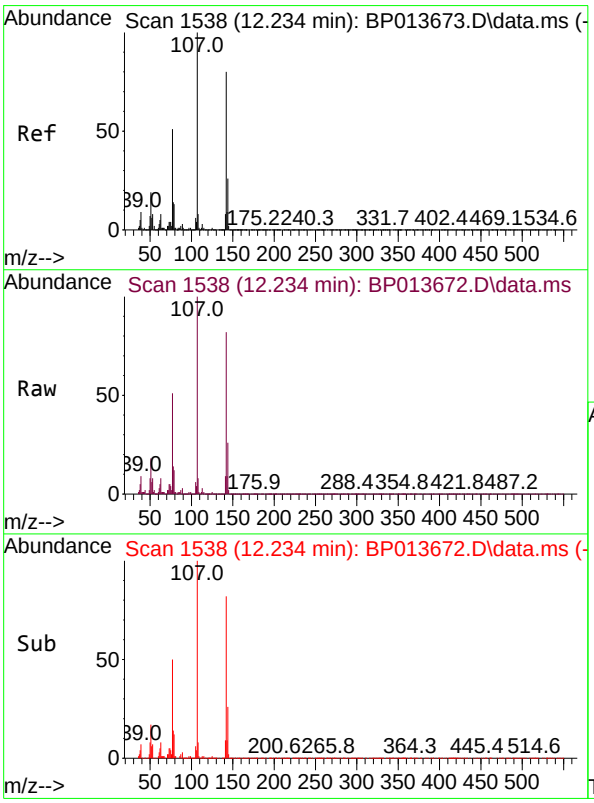
#35
Caprolactam
Concen: 19.502 ng
RT: 11.899 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 92339

Ion	Ratio	Lower	Upper
113	100		
55	150.0	133.0	173.0
56	112.0	97.4	137.4

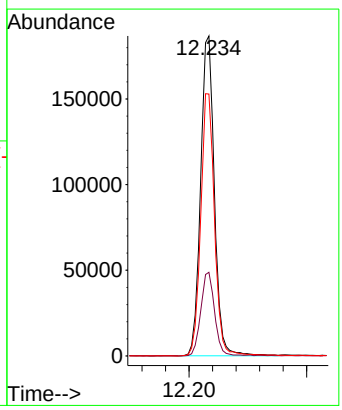


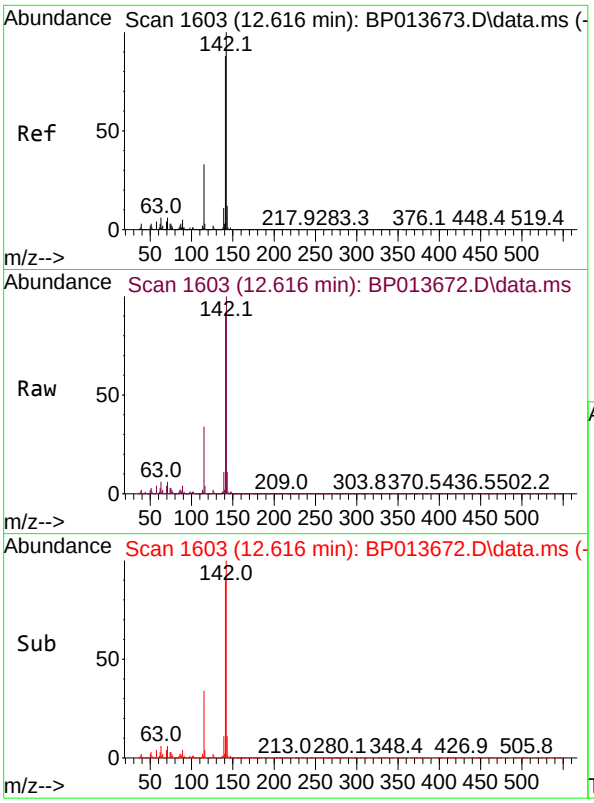


#36
4-Chloro-3-methylphenol
Concen: 19.975 ng
RT: 12.234 min Scan# 1538
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:107 Resp: 304116

Ion	Ratio	Lower	Upper
107	100		
144	26.1	20.8	31.2
142	81.8	64.0	96.0



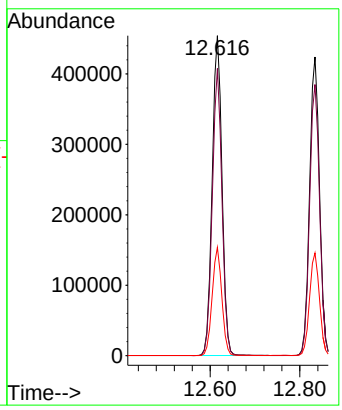


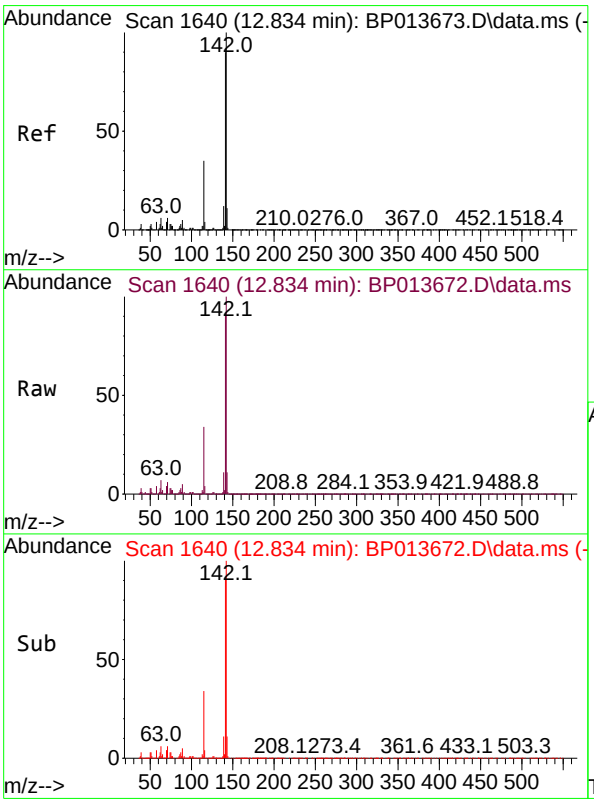
#37
2-Methylnaphthalene
Concen: 20.261 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 692719

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.3	105.5
115	33.8	26.4	39.6

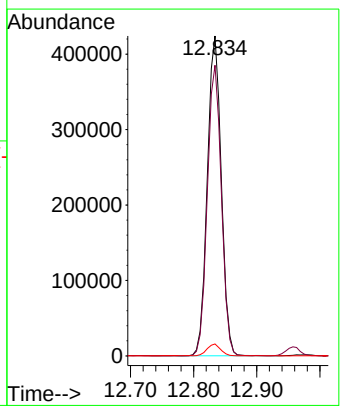


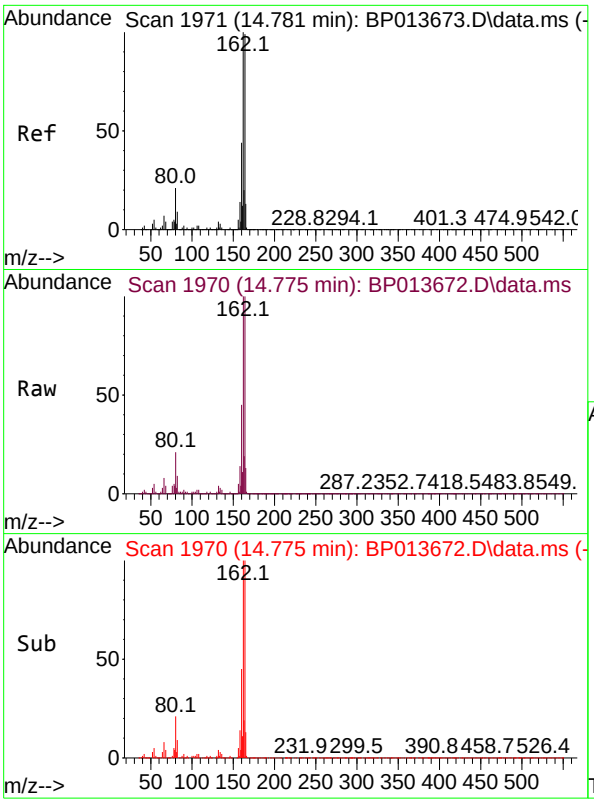


#38
1-Methylnaphthalene
Concen: 20.275 ng
RT: 12.834 min Scan# 1640
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:142 Resp: 651141

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.2	108.4
116	3.8	3.0	4.4



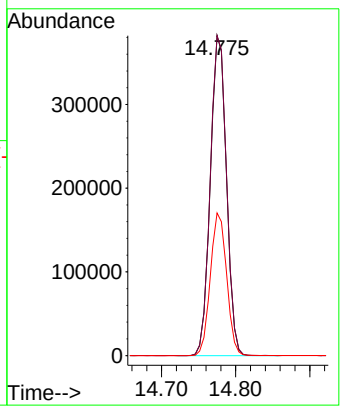


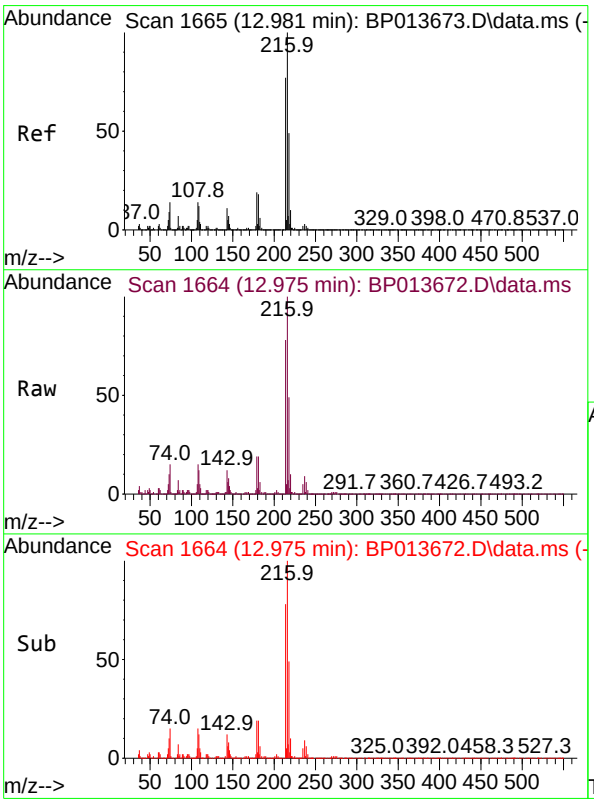
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.775 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 574867

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.8	121.2
160	44.6	35.6	53.4

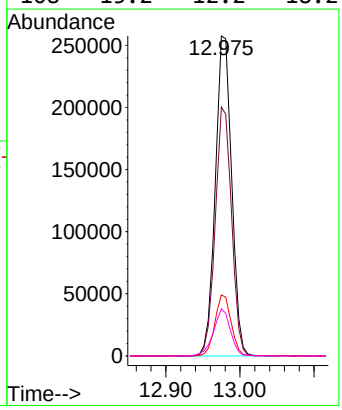


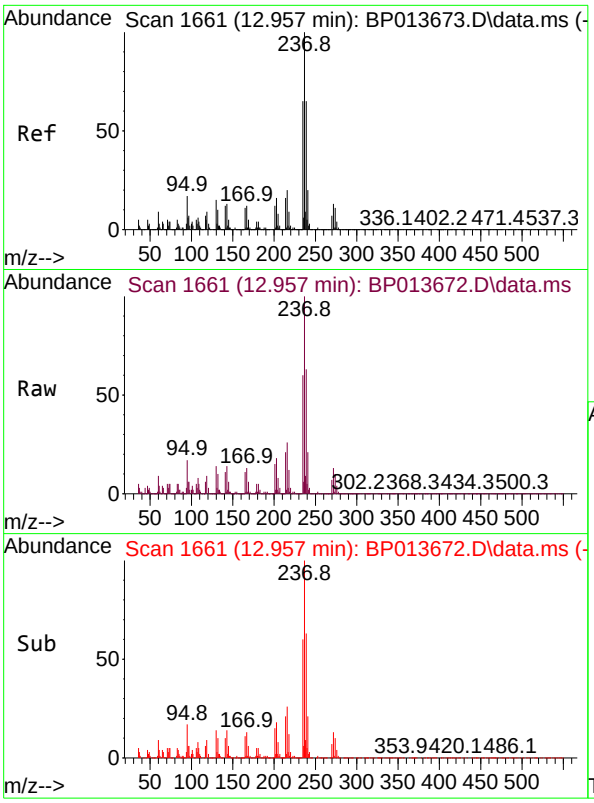


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.057 ng
RT: 12.975 min Scan# 1664
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:216 Resp: 393637

Ion	Ratio	Lower	Upper
216	100		
214	77.6	62.6	94.0
179	18.9	15.2	22.8
108	15.2	12.2	18.2



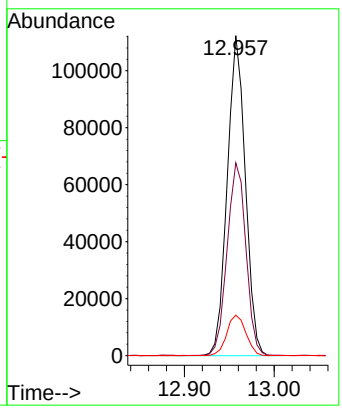


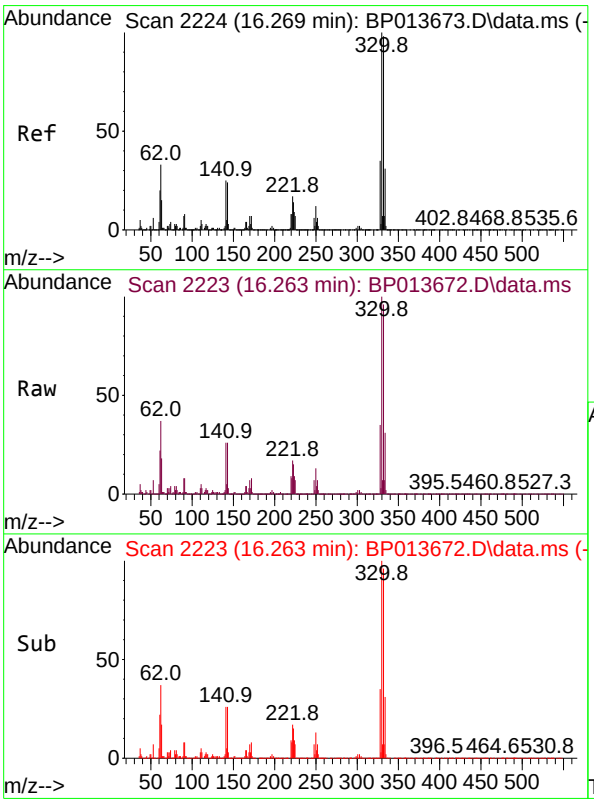
#41
Hexachlorocyclopentadiene
Concen: 17.611 ng
RT: 12.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 157754

Ion	Ratio	Lower	Upper
237	100		
235	60.2	44.6	84.6
272	12.6	0.0	33.2

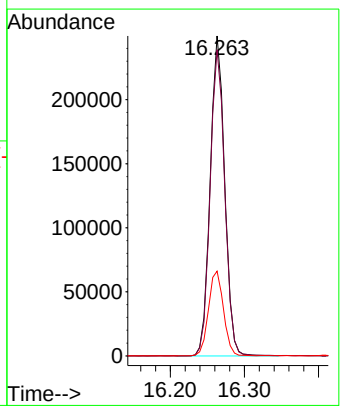


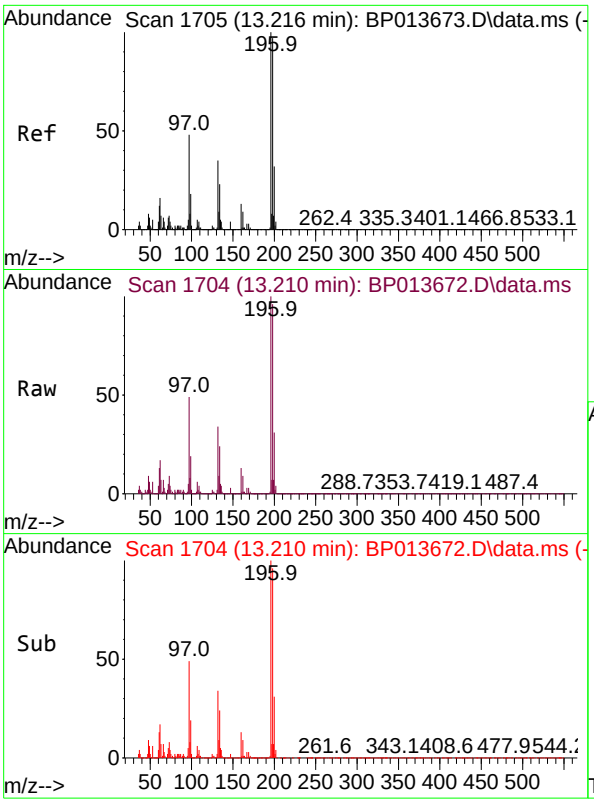


#42
2,4,6-Tribromophenol
Concen: 39.383 ng
RT: 16.263 min Scan# 2223
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:330 Resp: 339579

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.2
141	27.3	21.3	31.9



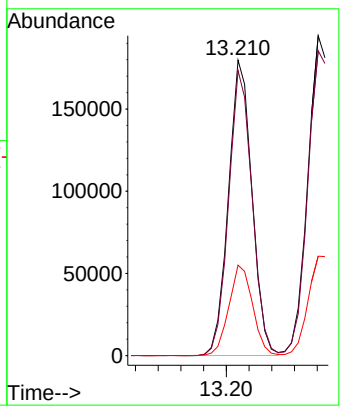


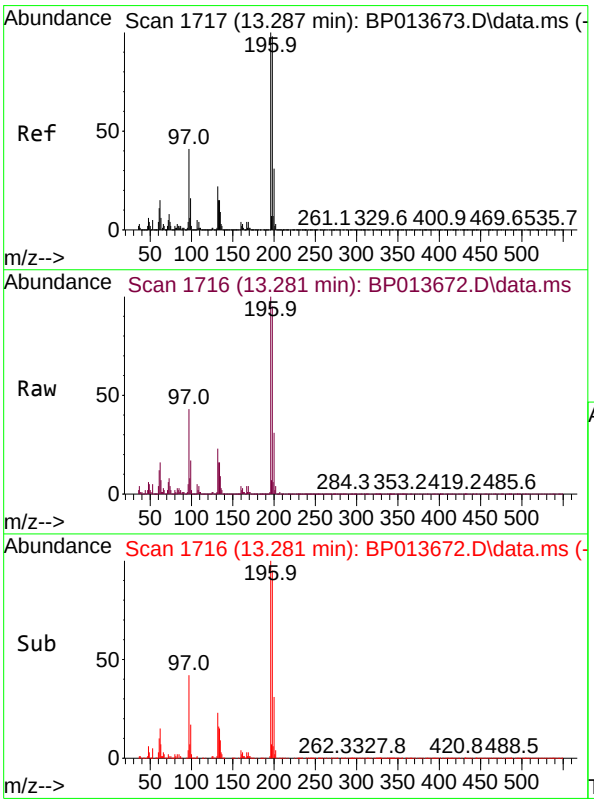
#43
2,4,6-Trichlorophenol
Concen: 20.036 ng
RT: 13.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 258934

Ion	Ratio	Lower	Upper
196	100		
198	96.4	77.5	116.3
200	30.6	25.3	37.9

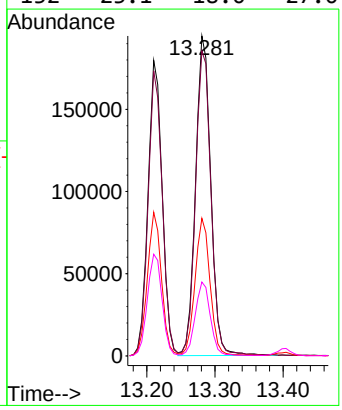


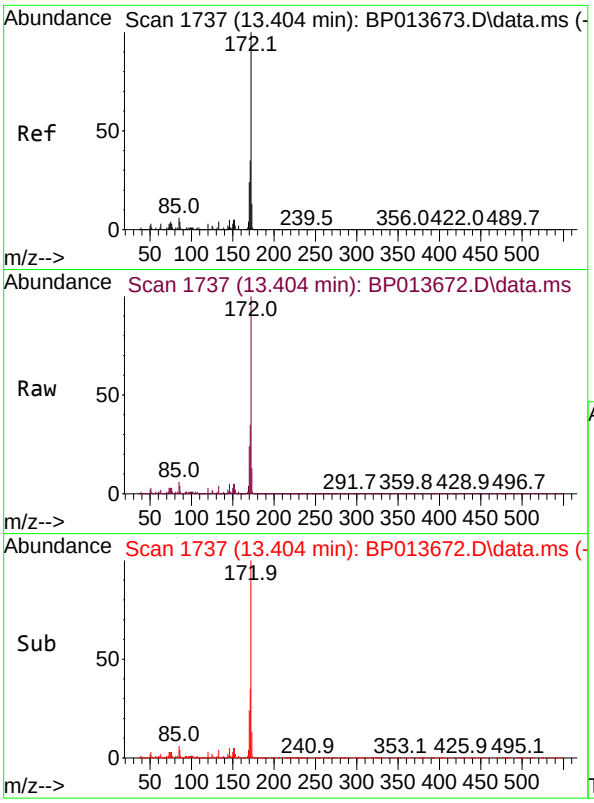


#44
2,4,5-Trichlorophenol
Concen: 20.029 ng
RT: 13.281 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:196 Resp: 303065

Ion	Ratio	Lower	Upper
196	100		
198	95.3	78.2	117.2
97	43.0	33.2	49.8
132	23.1	18.0	27.0



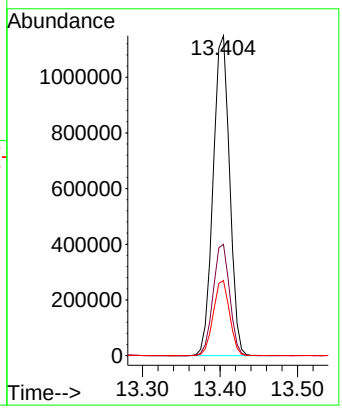


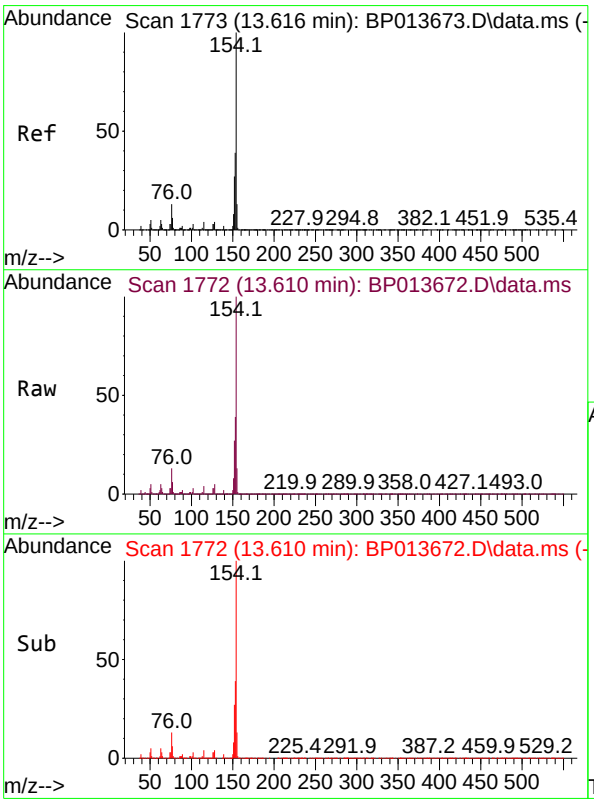
#45
2-Fluorobiphenyl
Concen: 41.348 ng
RT: 13.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1698701

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.2
170	23.5	19.0	28.4

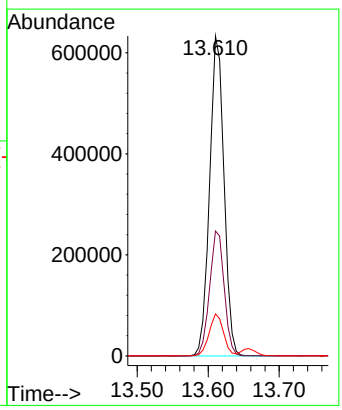


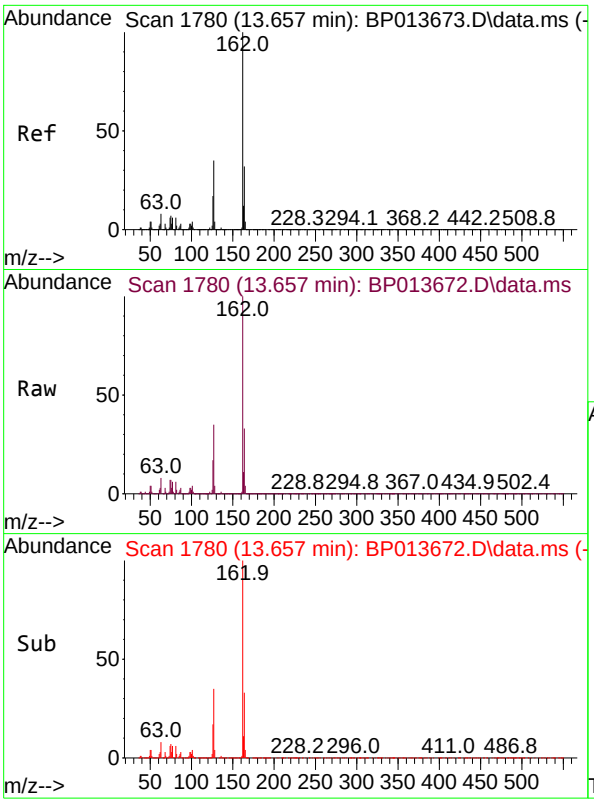


#46
1,1'-Biphenyl
Concen: 20.501 ng
RT: 13.610 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:154 Resp: 891842

Ion	Ratio	Lower	Upper
154	100		
153	39.0	19.3	59.3
76	13.1	0.0	33.1



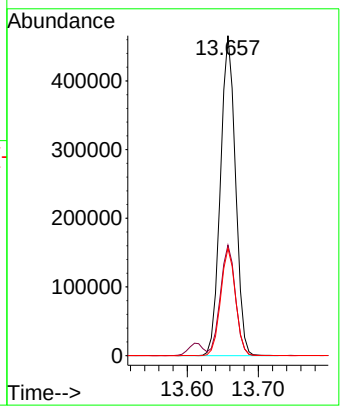


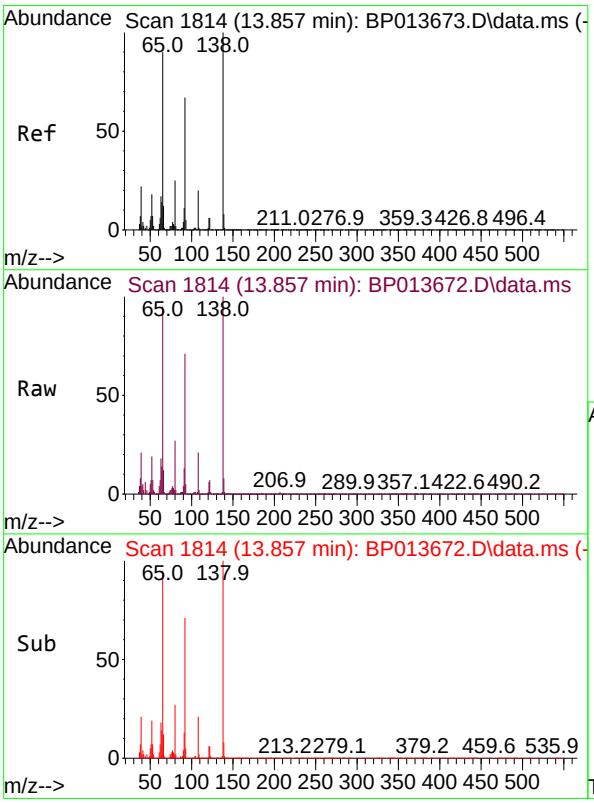
#47
2-Chloronaphthalene
Concen: 20.486 ng
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 688869

Ion	Ratio	Lower	Upper
162	100		
127	34.5	28.3	42.5
164	33.5	25.9	38.9

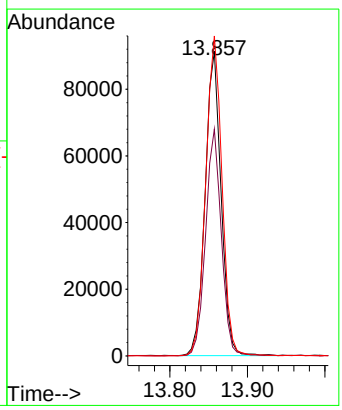


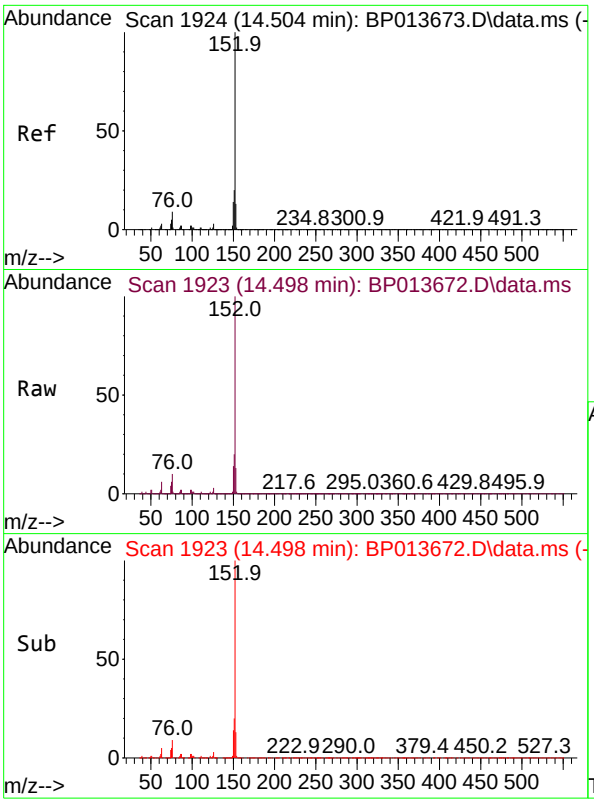


#48
2-Nitroaniline
Concen: 18.188 ng
RT: 13.857 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion: 65 Resp: 130687

Ion	Ratio	Lower	Upper
65	100		
92	74.5	59.4	89.0
138	105.0	88.6	133.0



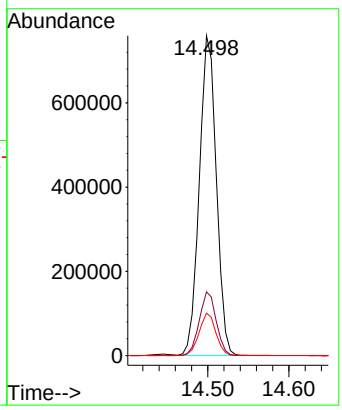


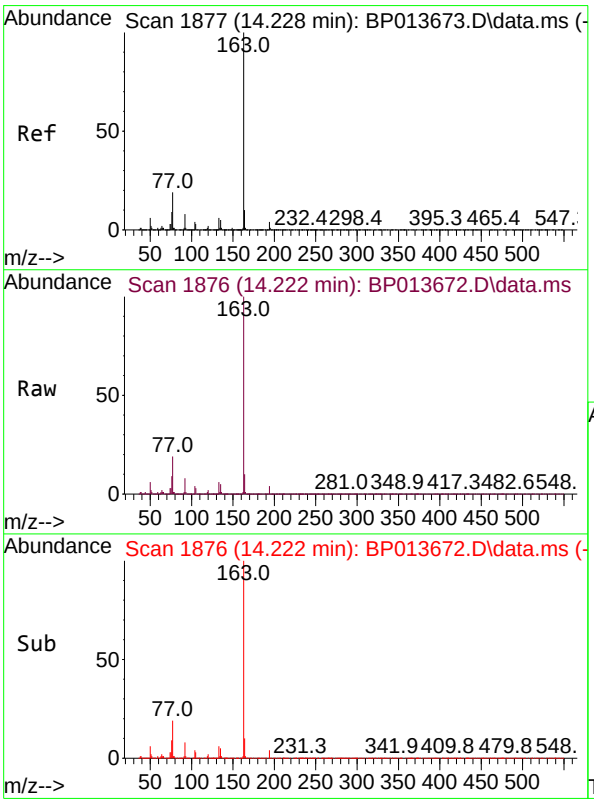
#49
Acenaphthylene
Concen: 20.392 ng
RT: 14.498 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1105805

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.3	10.4	15.6

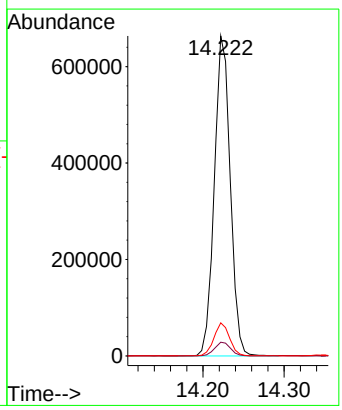


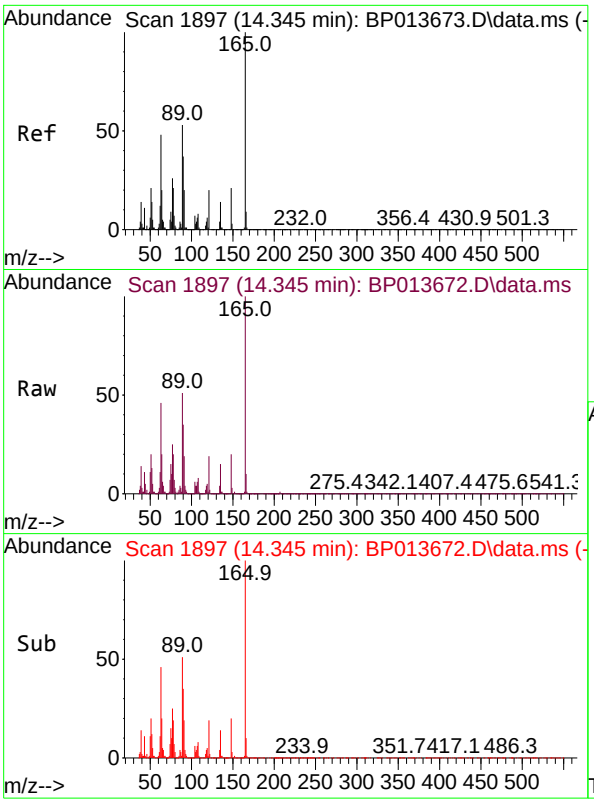


#50
Dimethylphthalate
Concen: 20.316 ng
RT: 14.222 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:163 Resp: 903323

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.3	8.4	12.6



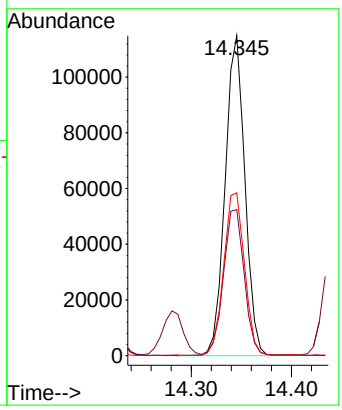


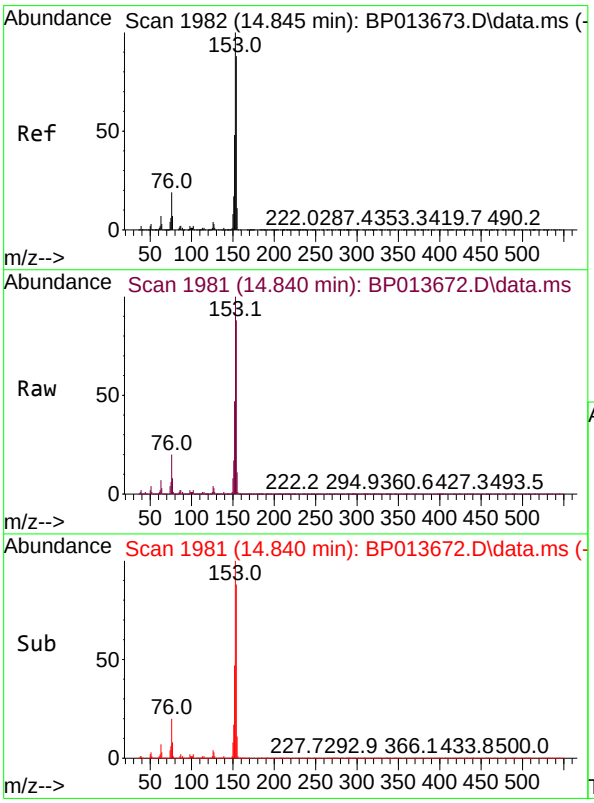
#51
2,6-Dinitrotoluene
Concen: 19.787 ng
RT: 14.345 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 157246

Ion	Ratio	Lower	Upper
165	100		
63	45.6	39.8	59.6
89	50.9	42.4	63.6

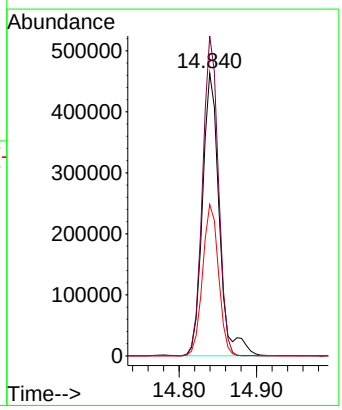


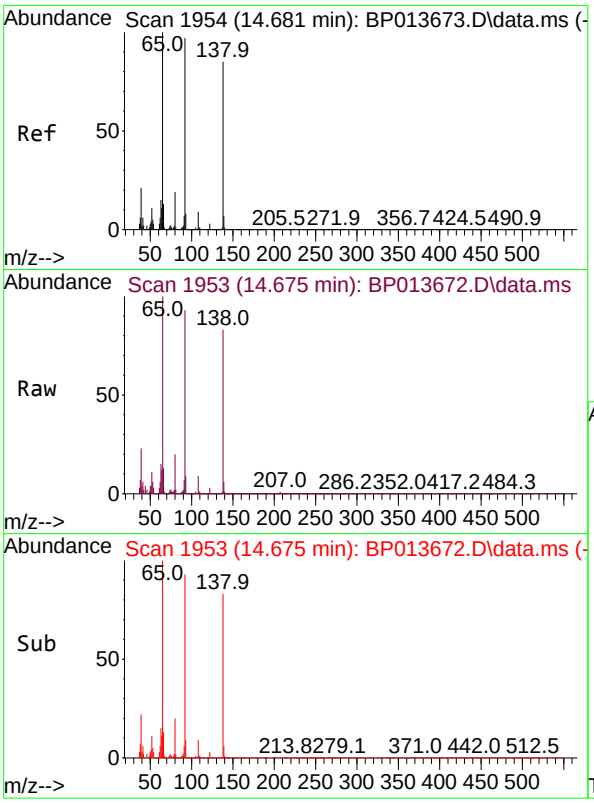


#52
Acenaphthene
Concen: 20.563 ng
RT: 14.840 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:154 Resp: 695528

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.6	135.8
152	53.5	43.4	65.0



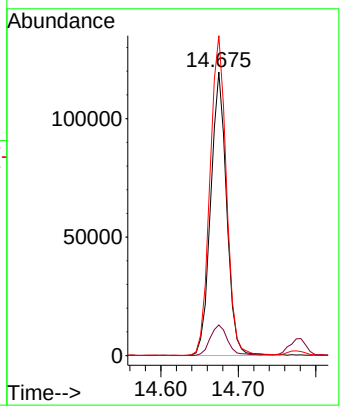


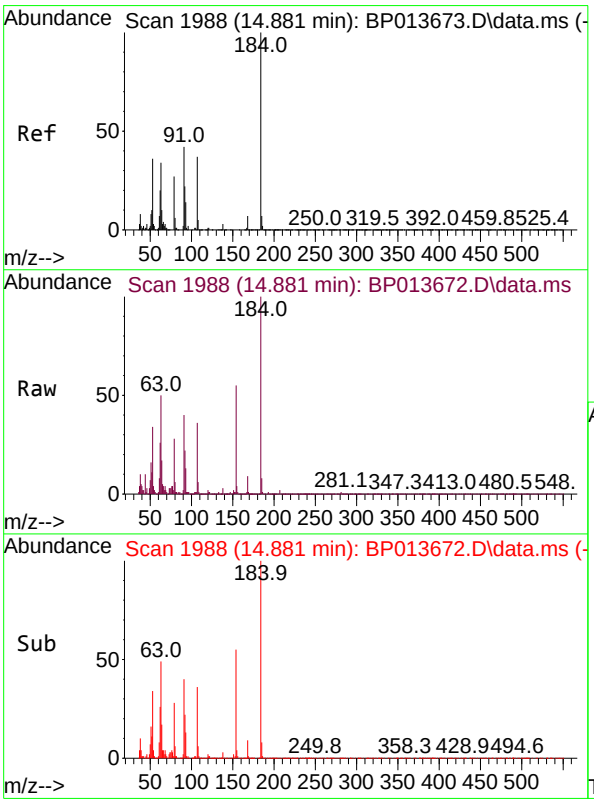
#53
3-Nitroaniline
Concen: 19.702 ng
RT: 14.675 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 170753

Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.5	12.7
92	112.9	91.5	137.3

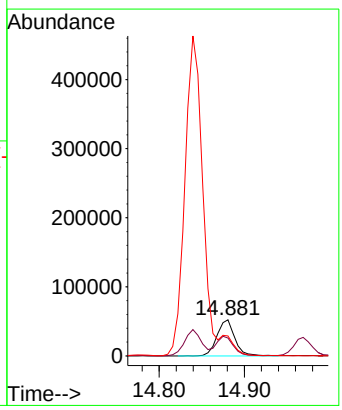


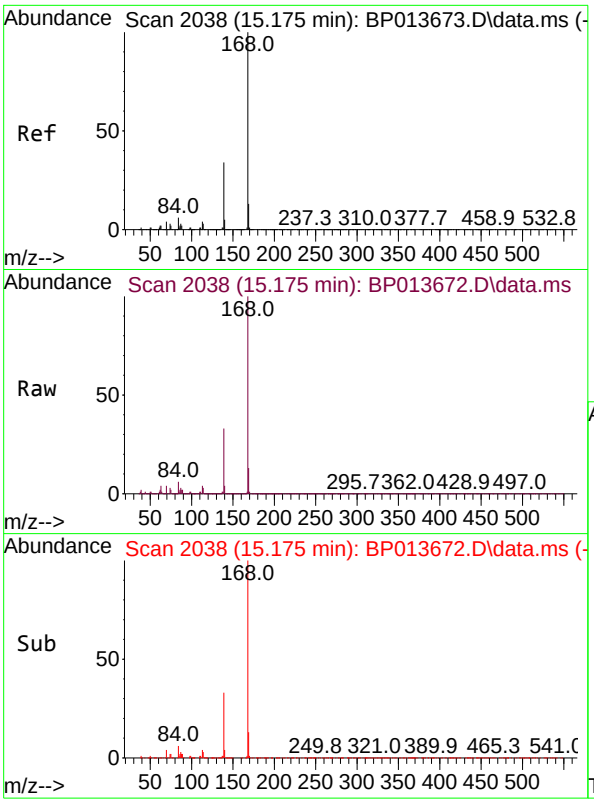


#54
2,4-Dinitrophenol
Concen: 15.563 ng
RT: 14.881 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:184 Resp: 75274

Ion	Ratio	Lower	Upper
184	100		
63	49.6	41.4	62.0
154	55.2	44.3	66.5



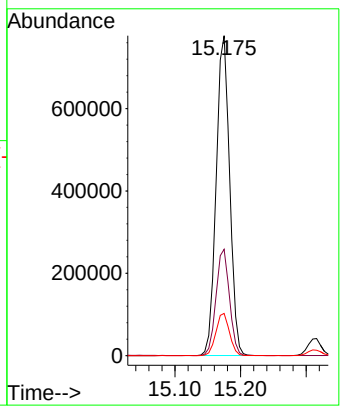


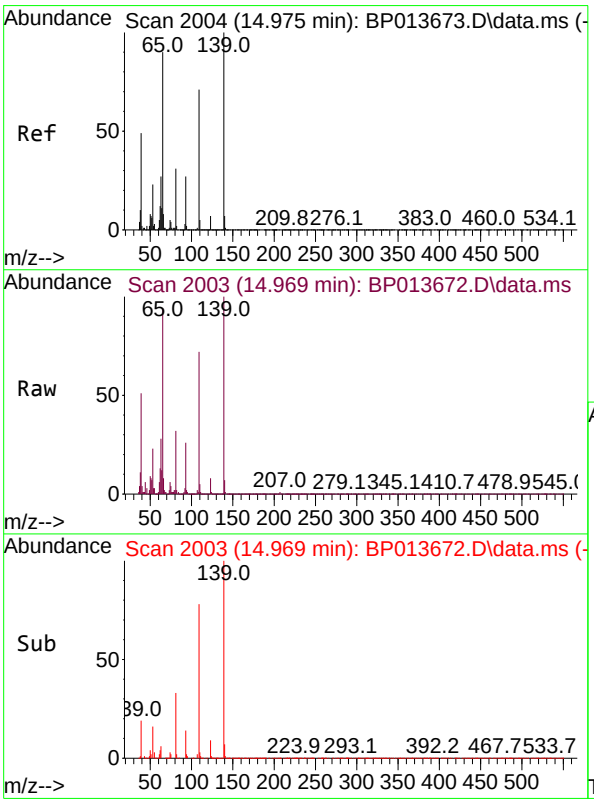
#55
Dibenzofuran
Concen: 20.354 ng
RT: 15.175 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1112099

Ion	Ratio	Lower	Upper
168	100		
139	33.2	27.4	41.2
169	13.2	10.7	16.1

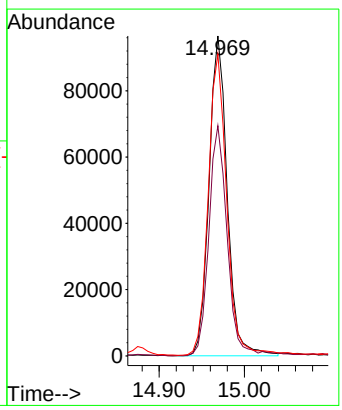


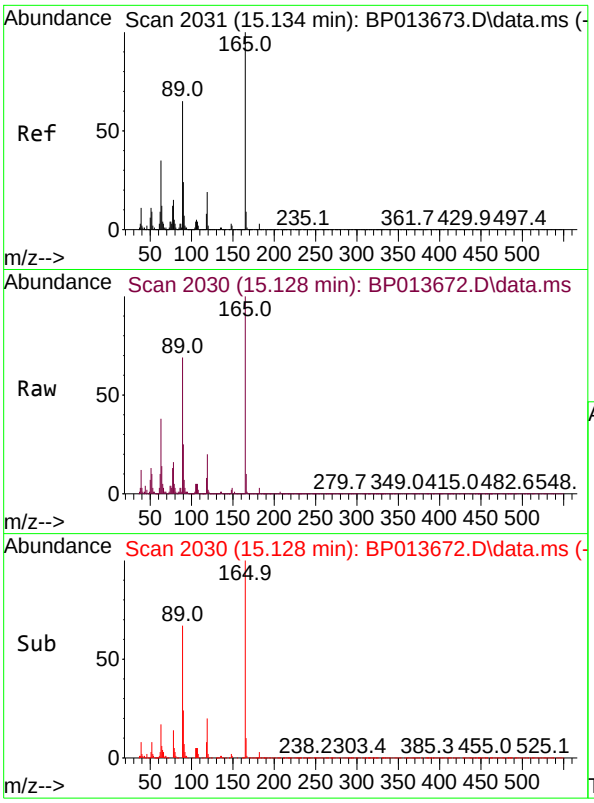


#56
4-Nitrophenol
Concen: 18.557 ng
RT: 14.969 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:139 Resp: 143063

Ion	Ratio	Lower	Upper
139	100		
109	71.9	50.9	90.9
65	94.3	70.0	110.0



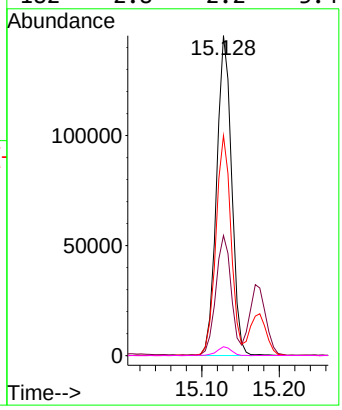


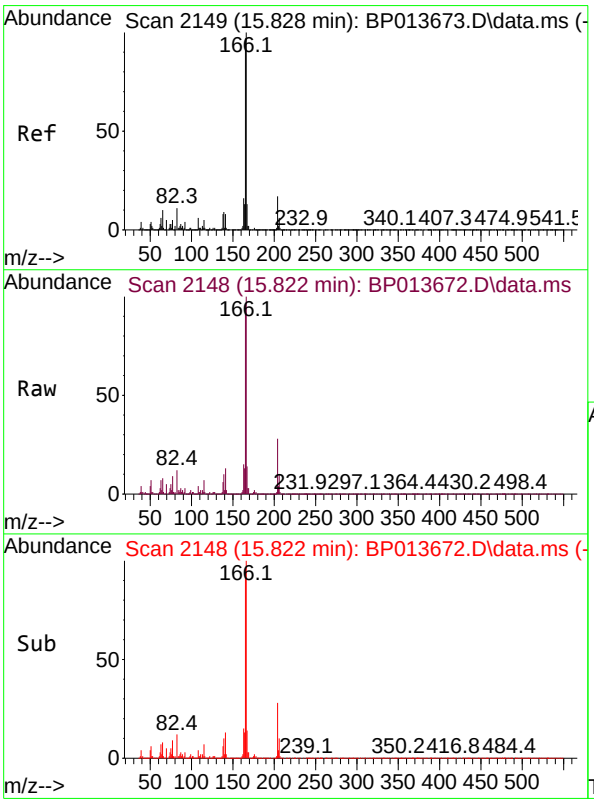
#57
2,4-Dinitrotoluene
Concen: 18.832 ng
RT: 15.128 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 196398

Ion	Ratio	Lower	Upper
165	100		
63	37.5	28.1	42.1
89	68.7	52.0	78.0
182	2.8	2.2	3.4

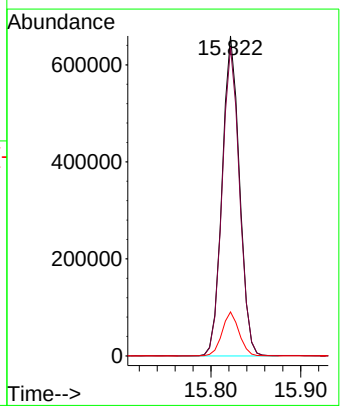


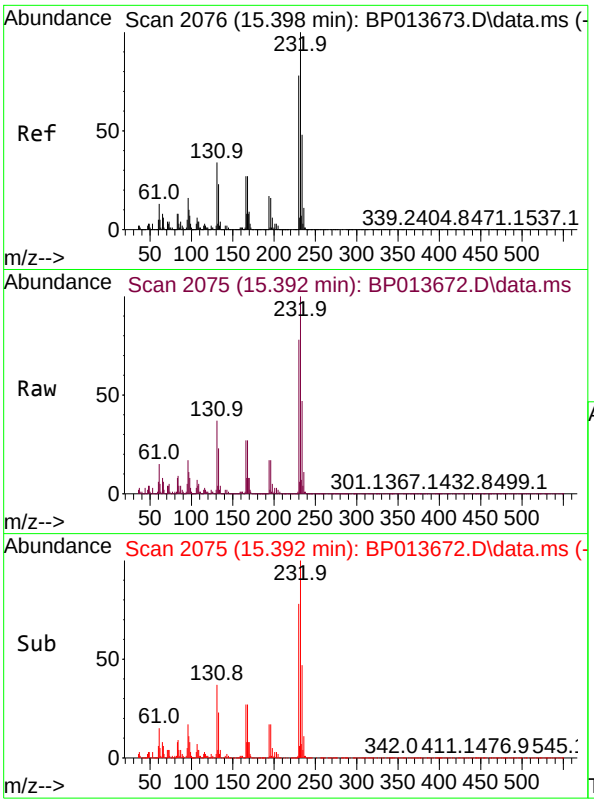


#58
Fluorene
Concen: 20.734 ng
RT: 15.822 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:166 Resp: 889418

Ion	Ratio	Lower	Upper
166	100		
165	96.5	77.6	116.4
167	13.7	10.6	15.8



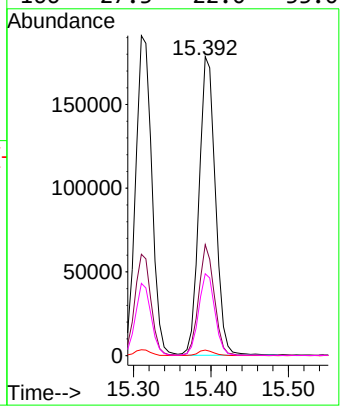


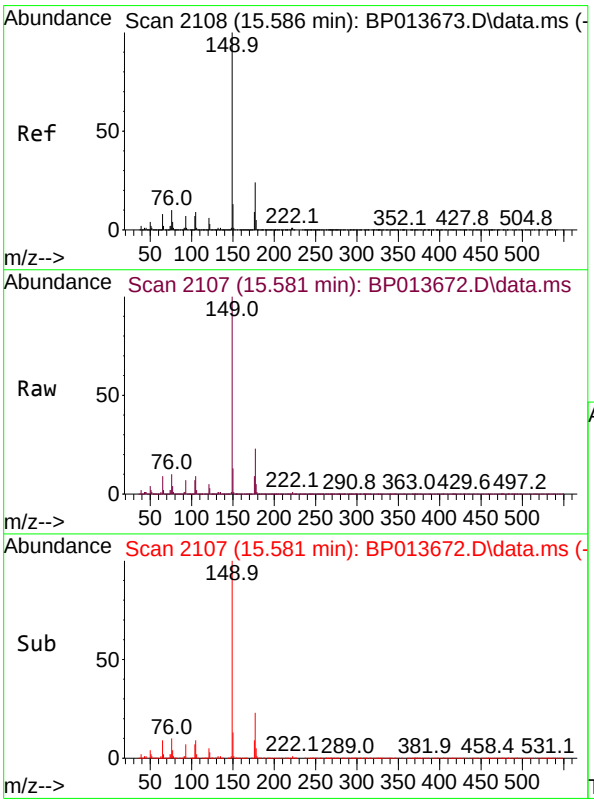
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.792 ng
RT: 15.392 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 260416

Ion	Ratio	Lower	Upper
232	100		
131	35.1	27.9	41.9
130	1.7	1.4	2.0
166	27.3	22.0	33.0

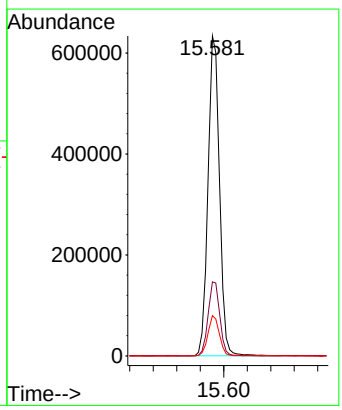


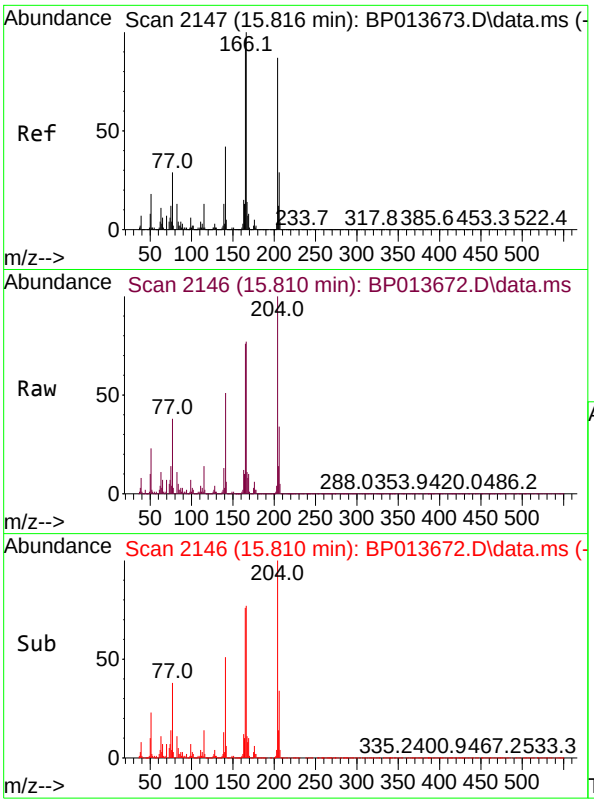


#60
Diethylphthalate
Concen: 20.179 ng
RT: 15.581 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:149 Resp: 860161

Ion	Ratio	Lower	Upper
149	100		
177	23.1	19.2	28.8
150	12.6	10.1	15.1



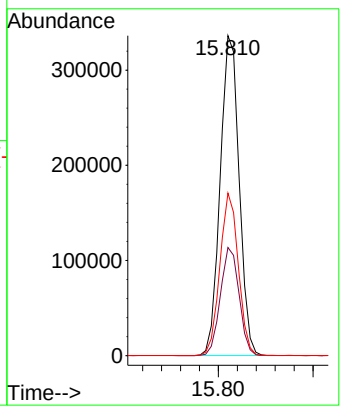


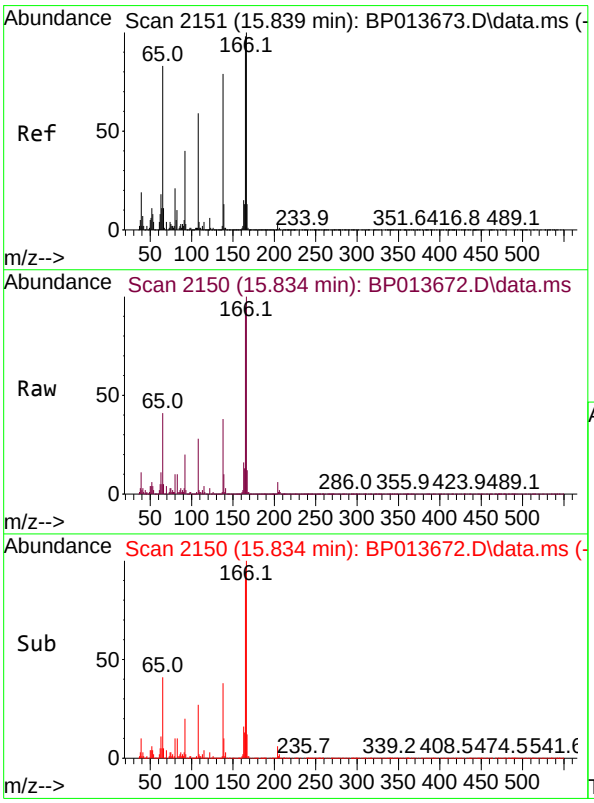
#61
4-Chlorophenyl-phenylether
Concen: 19.973 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 466566

Ion	Ratio	Lower	Upper
204	100		
206	33.8	26.6	40.0
141	50.8	38.1	57.1

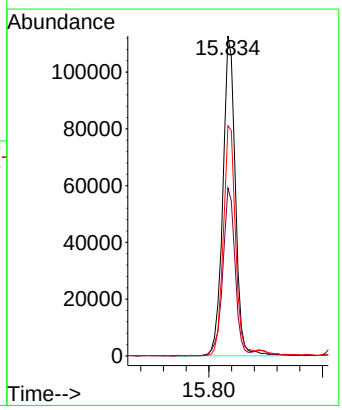


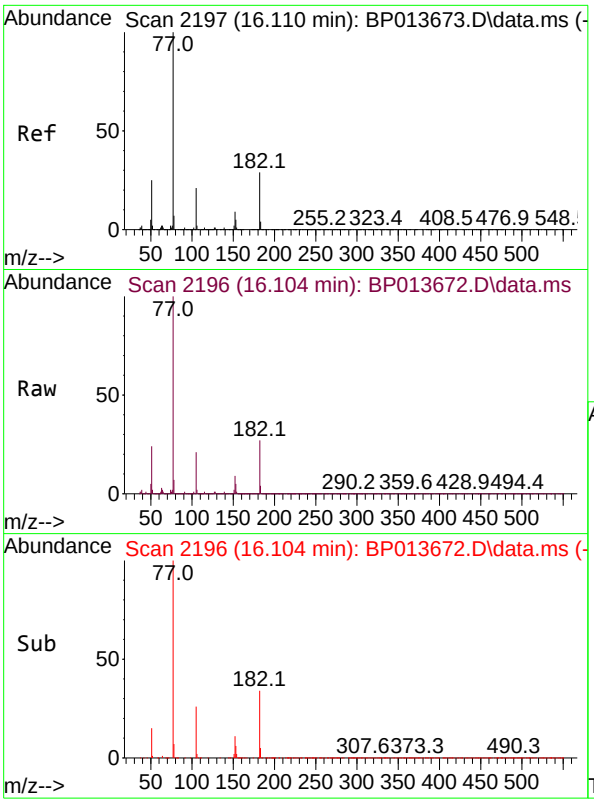


#62
4-Nitroaniline
Concen: 19.879 ng
RT: 15.834 min Scan# 2150
Delta R.T. -0.005 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:138 Resp: 171093

Ion	Ratio	Lower	Upper
138	100		
92	52.5	30.3	70.3
108	71.9	55.4	95.4



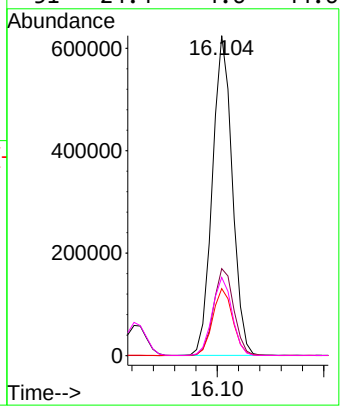


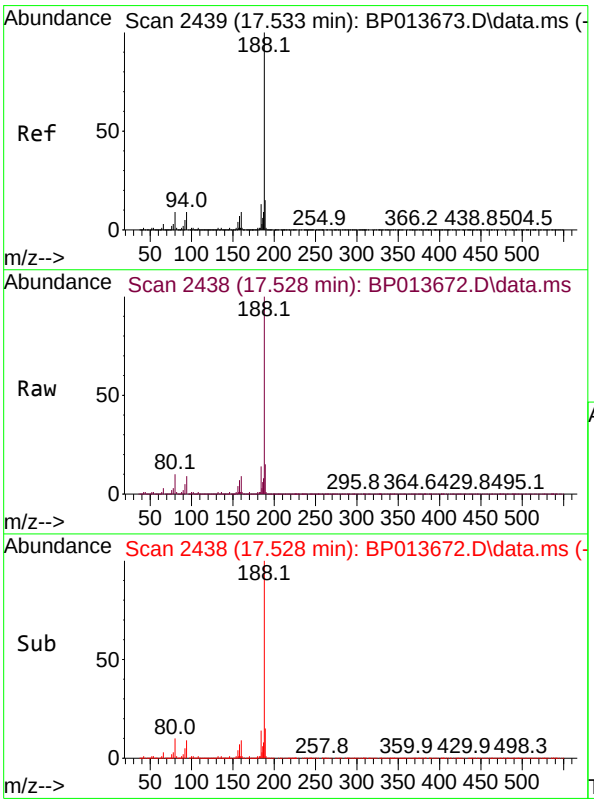
#63
Azobenzene
Concen: 20.599 ng
RT: 16.104 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 811105

Ion	Ratio	Lower	Upper
77	100		
182	27.2	9.3	49.3
105	20.9	1.1	41.1
51	24.4	4.6	44.6

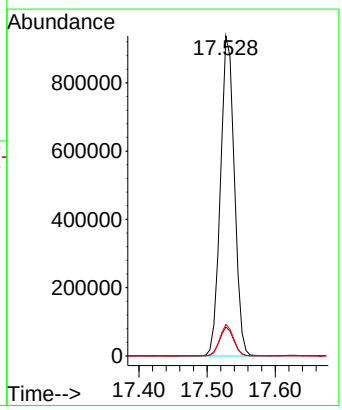


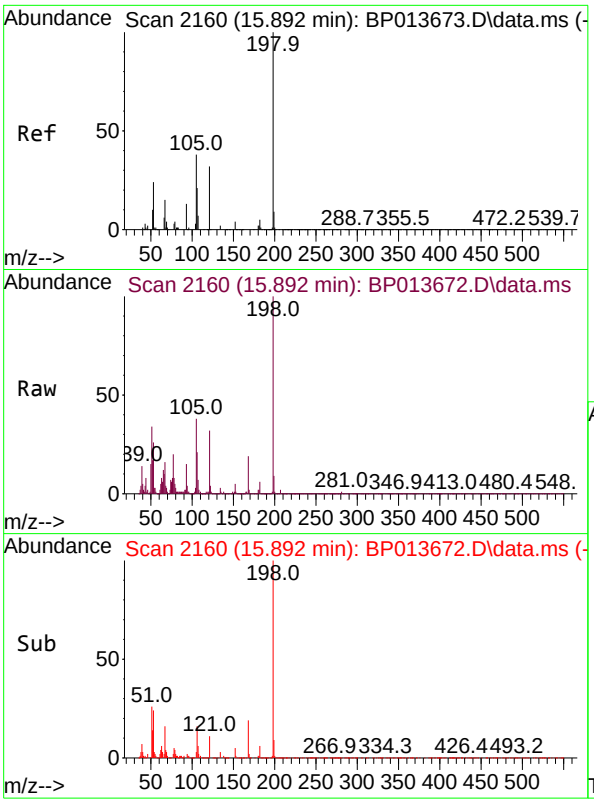


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.528 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:188 Resp: 1318675

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.9	10.3
80	9.8	7.4	11.0



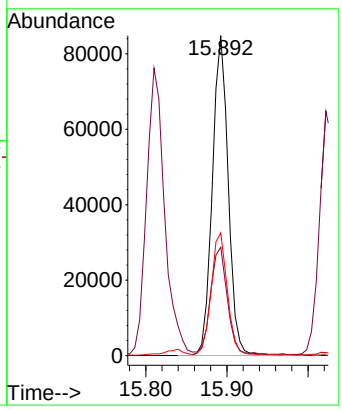


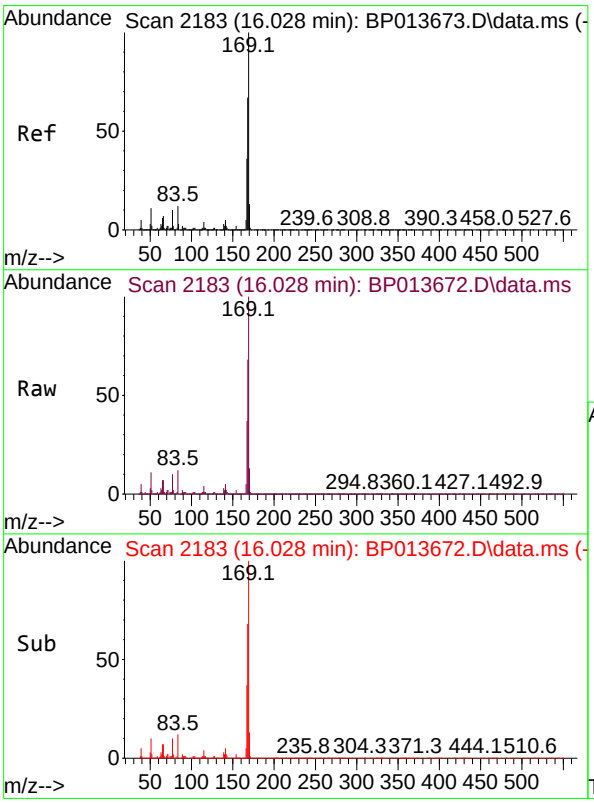
#65
4,6-Dinitro-2-methylphenol
Concen: 16.794 ng
RT: 15.892 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 115420

Ion	Ratio	Lower	Upper
198	100		
51	33.9	15.4	55.4
105	38.4	18.3	58.3

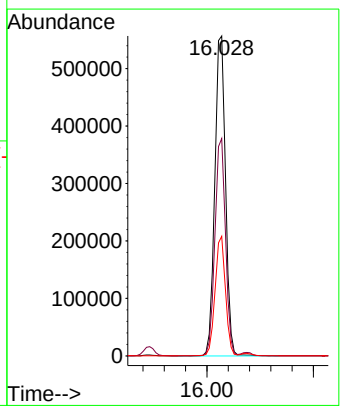


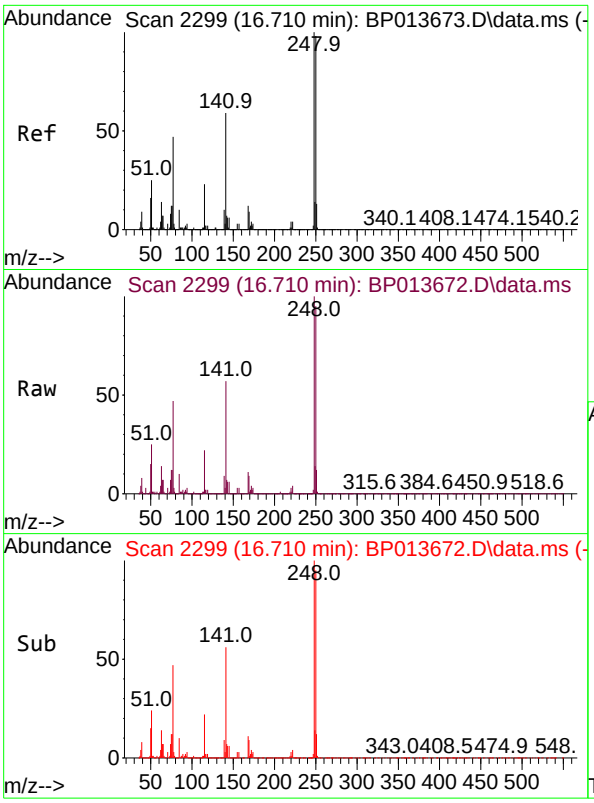


#66
n-Nitrosodiphenylamine
Concen: 20.306 ng
RT: 16.028 min Scan# 2183
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:169 Resp: 779122

Ion	Ratio	Lower	Upper
169	100		
168	67.9	53.8	80.6
167	37.4	28.9	43.3



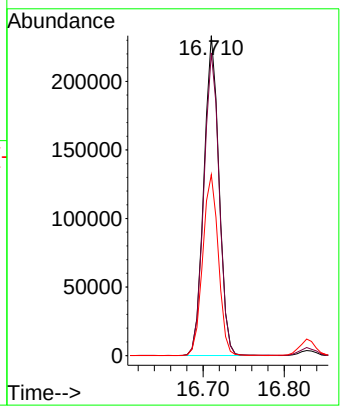


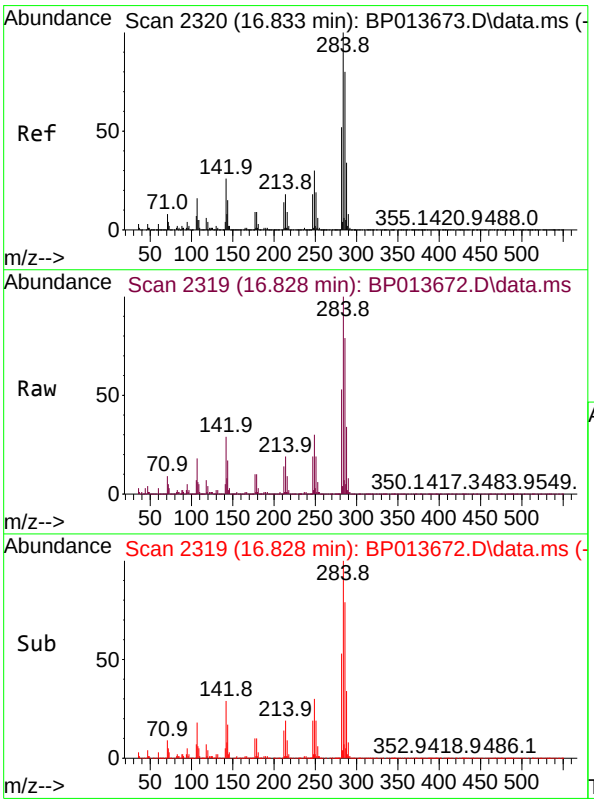
#67
4-Bromophenyl-phenylether
Concen: 20.028 ng
RT: 16.710 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 302741

Ion	Ratio	Lower	Upper
248	100		
250	94.6	78.2	117.2
141	56.5	46.8	70.2

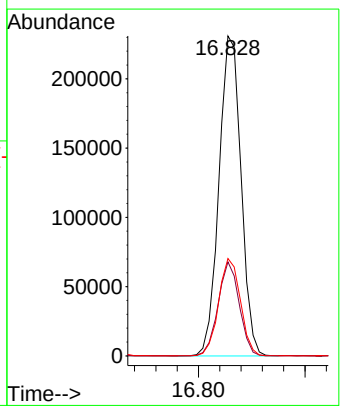


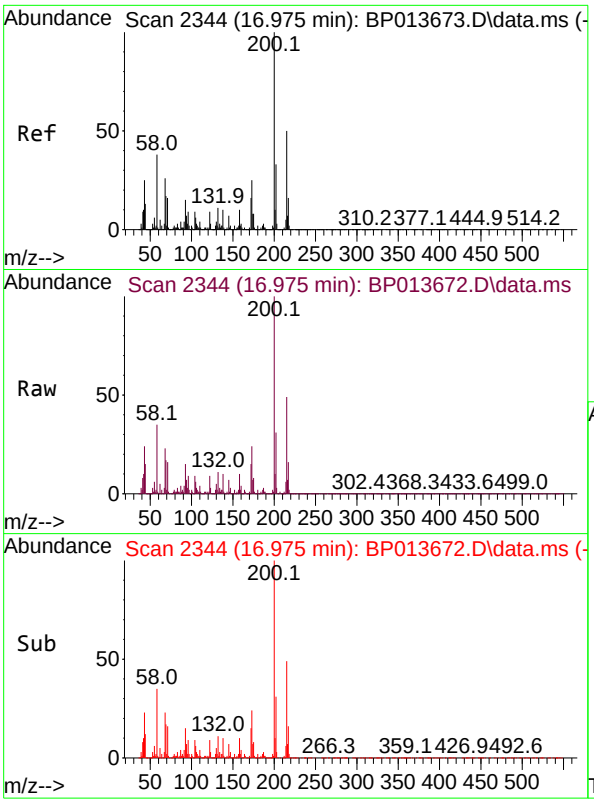


#68
Hexachlorobenzene
Concen: 19.862 ng
RT: 16.828 min Scan# 2319
Delta R.T. -0.005 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:284 Resp: 332458

Ion	Ratio	Lower	Upper
284	100		
142	29.4	20.6	31.0
249	30.4	23.9	35.9



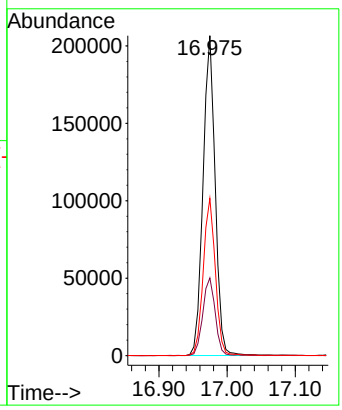


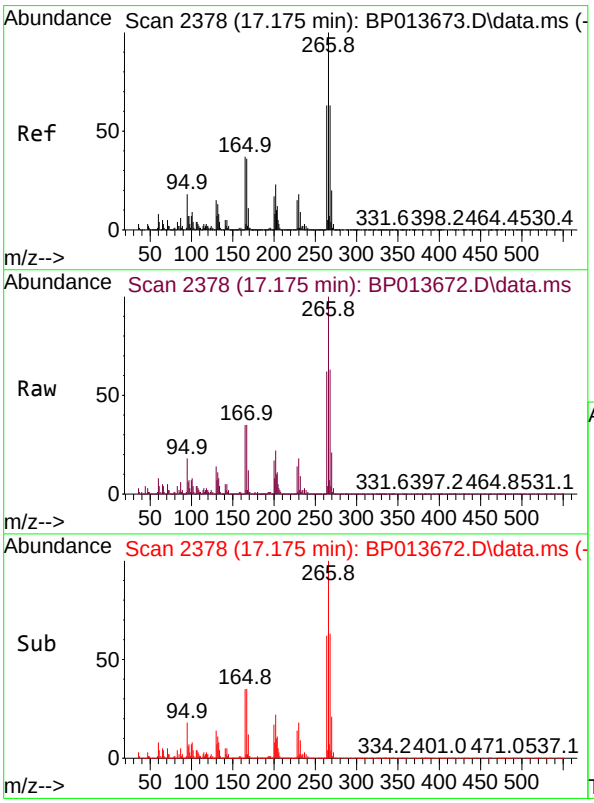
#69
Atrazine
Concen: 20.569 ng
RT: 16.975 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 256804

Ion	Ratio	Lower	Upper
200	100		
173	24.3	5.2	45.2
215	49.1	29.8	69.8

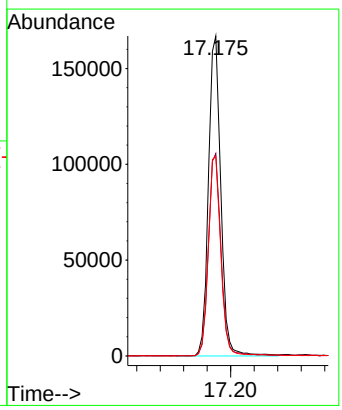


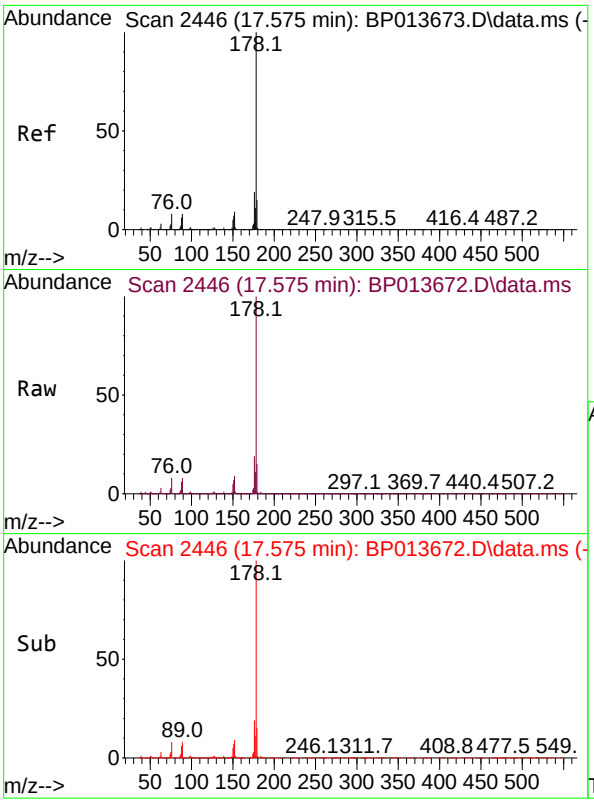


#70
Pentachlorophenol
Concen: 19.708 ng
RT: 17.175 min Scan# 2378
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:266 Resp: 243337

Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.7	76.1
264	62.2	50.5	75.7



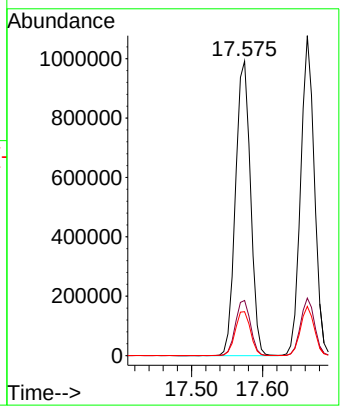


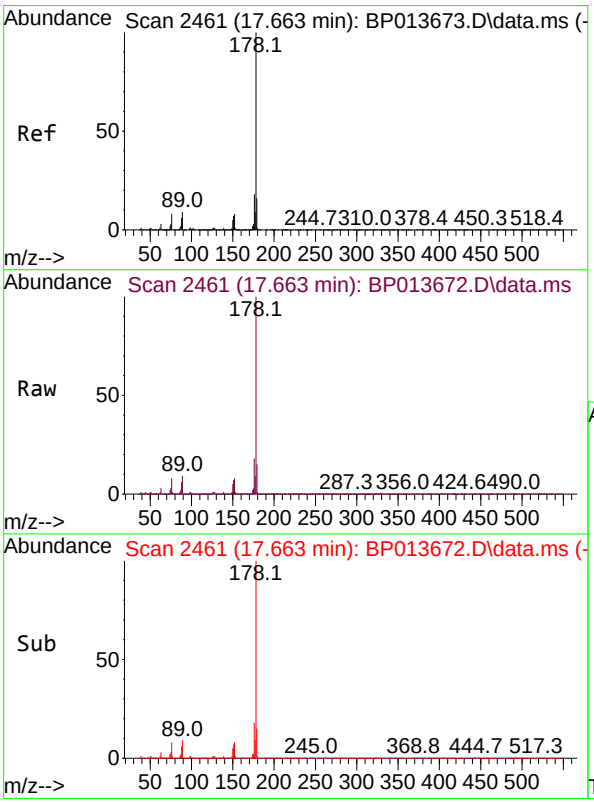
#71
Phenanthrene
Concen: 20.459 ng
RT: 17.575 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1446056

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	14.9	12.2	18.2

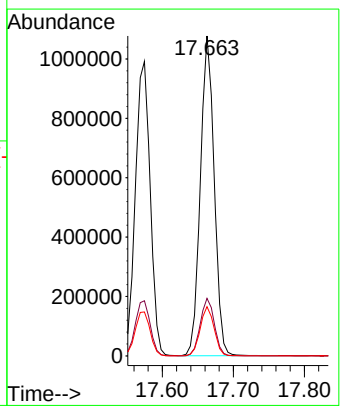


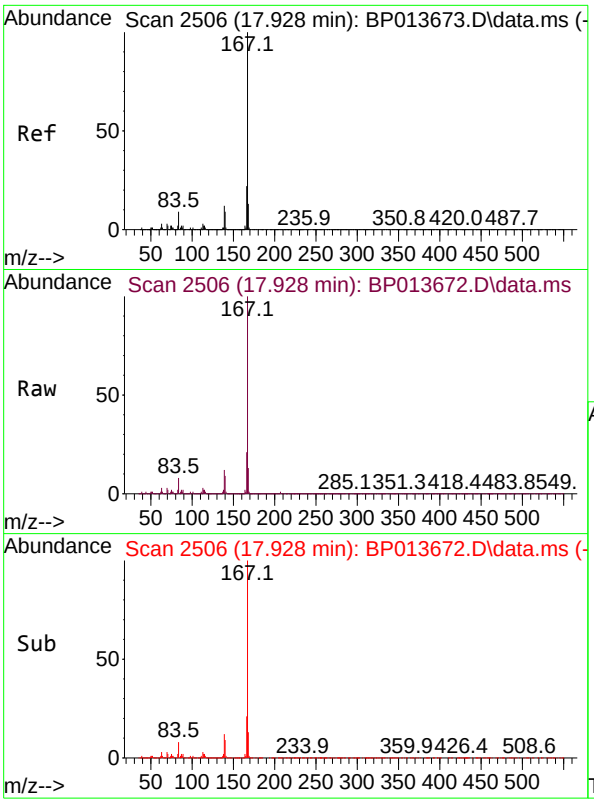


#72
Anthracene
Concen: 20.338 ng
RT: 17.663 min Scan# 2461
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:178 Resp: 1451249

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.7	22.1
179	15.4	12.4	18.6



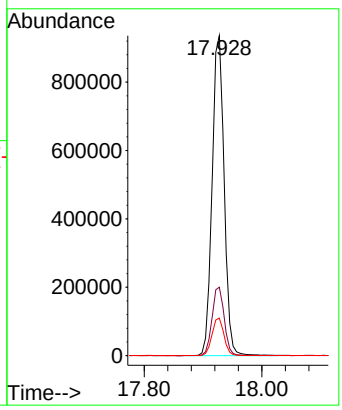


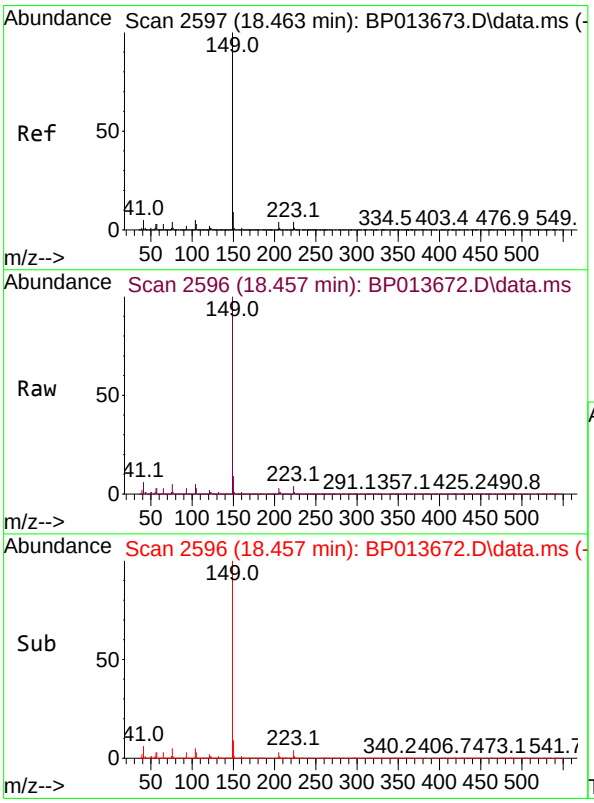
#73
Carbazole
Concen: 20.468 ng
RT: 17.928 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1326191

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.4	26.0
139	11.7	9.5	14.3

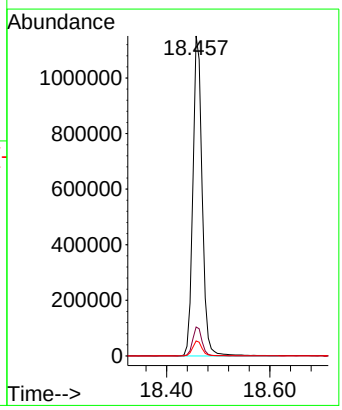


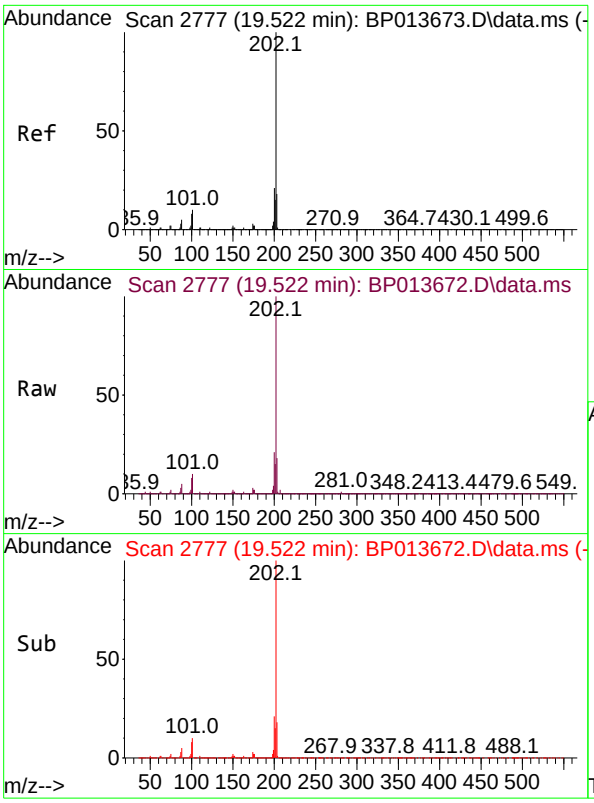


#74
Di-n-butylphthalate
Concen: 20.176 ng
RT: 18.457 min Scan# 2596
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:149 Resp: 1430613

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.7	3.8	5.6



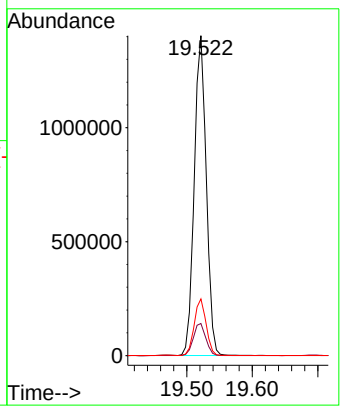


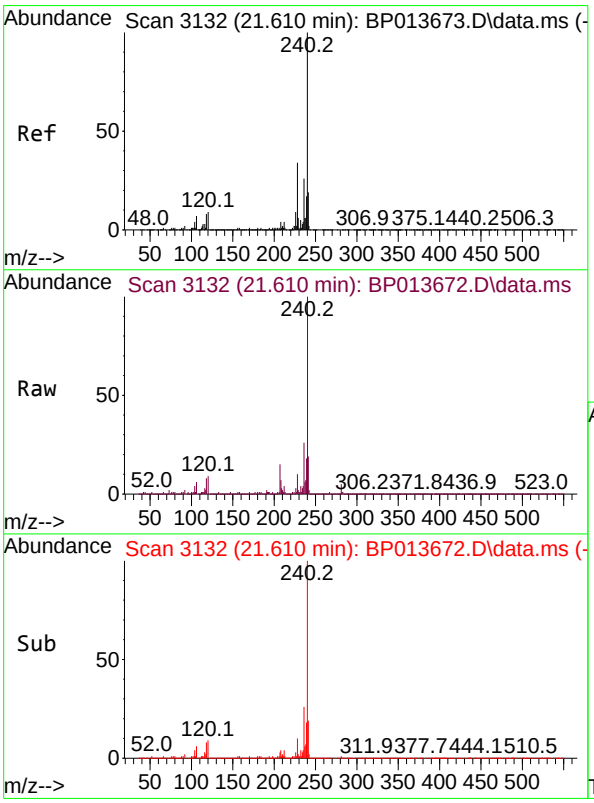
#75
Fluoranthene
Concen: 20.309 ng
RT: 19.522 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1787091

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.2
203	17.7	0.0	37.9

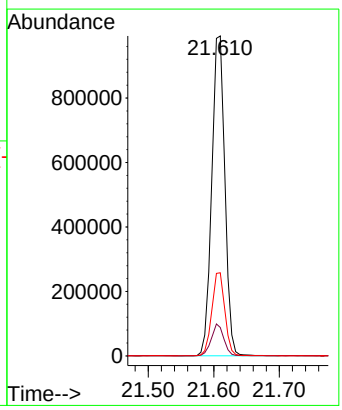


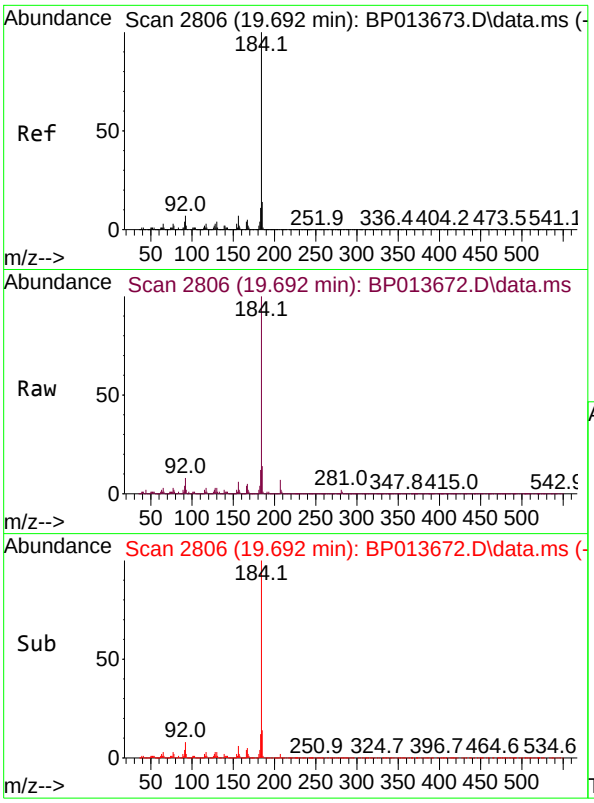


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3132
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:240 Resp: 1383138

Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.4	11.0
236	26.0	20.6	30.8



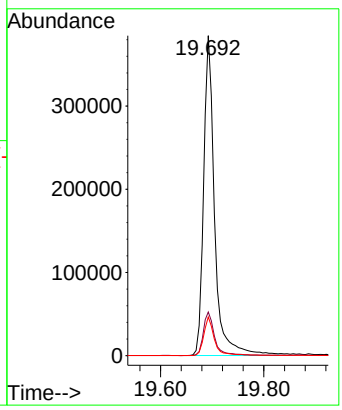


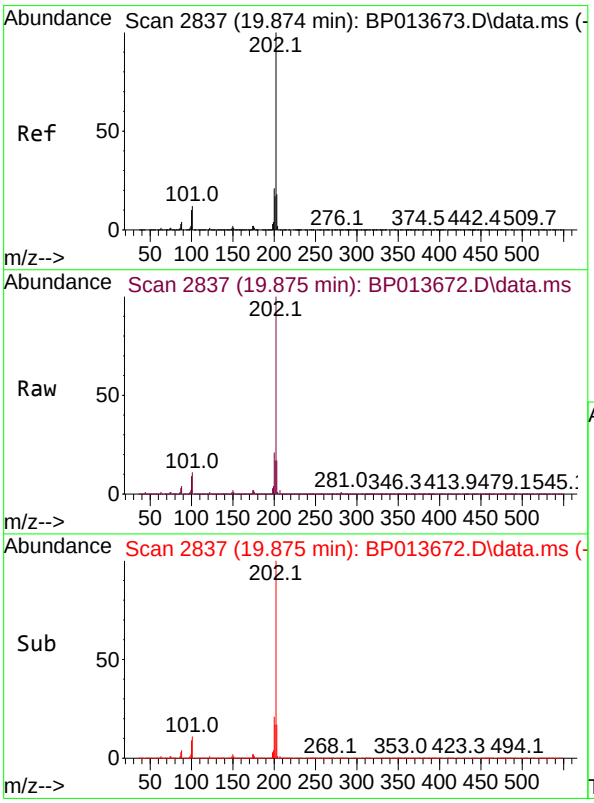
#77
Benzidine
Concen: 19.038 ng
RT: 19.692 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 568778

Ion	Ratio	Lower	Upper
184	100		
185	13.6	11.4	17.2
183	12.1	9.2	13.8

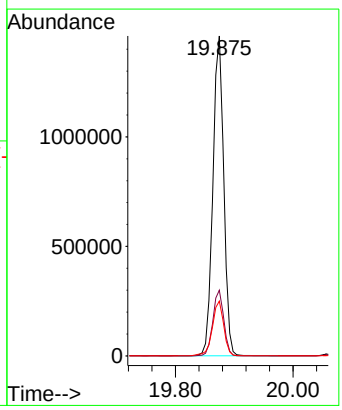


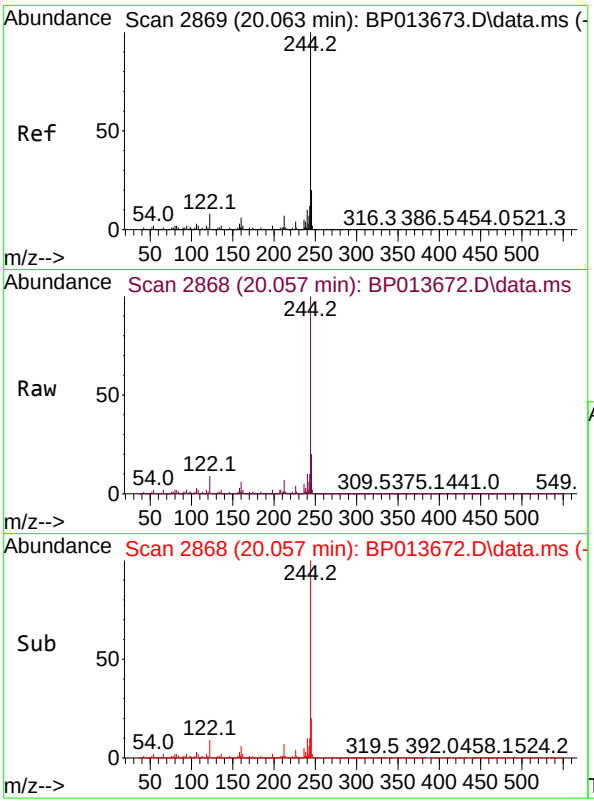


#78
Pyrene
Concen: 20.138 ng
RT: 19.875 min Scan# 2837
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:202 Resp: 1873915

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.9	25.3
203	17.1	14.0	21.0



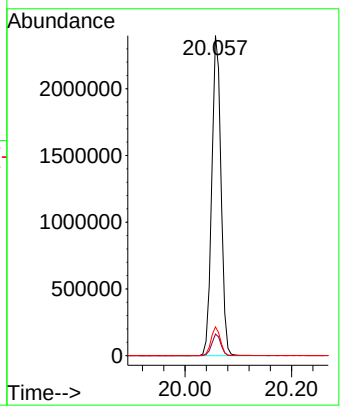


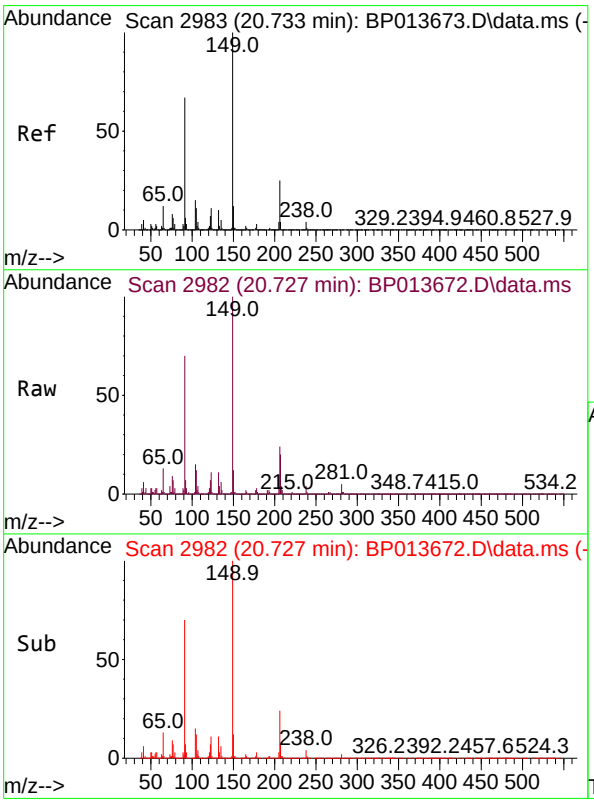
#79
Terphenyl-d14
Concen: 41.423 ng
RT: 20.057 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 2885228

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	9.0	6.5	9.7

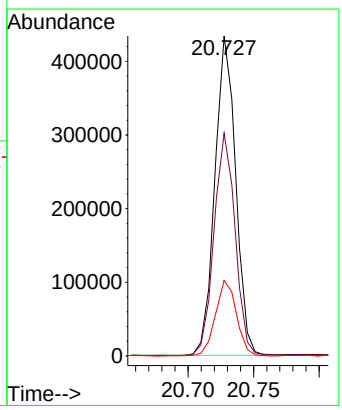


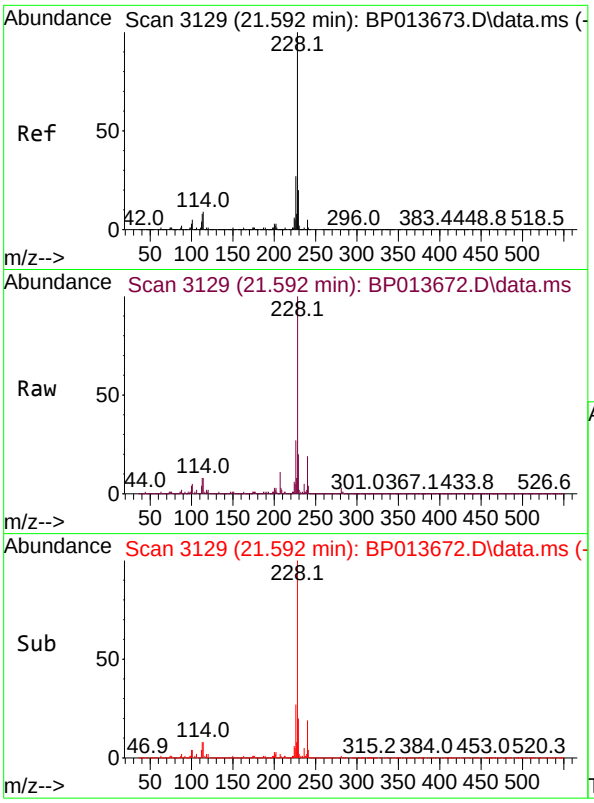


#80
Butylbenzylphthalate
Concen: 18.907 ng
RT: 20.727 min Scan# 2982
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:149 Resp: 480313

Ion	Ratio	Lower	Upper
149	100		
91	69.6	54.0	81.0
206	23.6	19.8	29.8



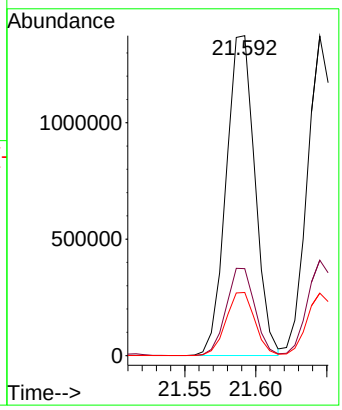


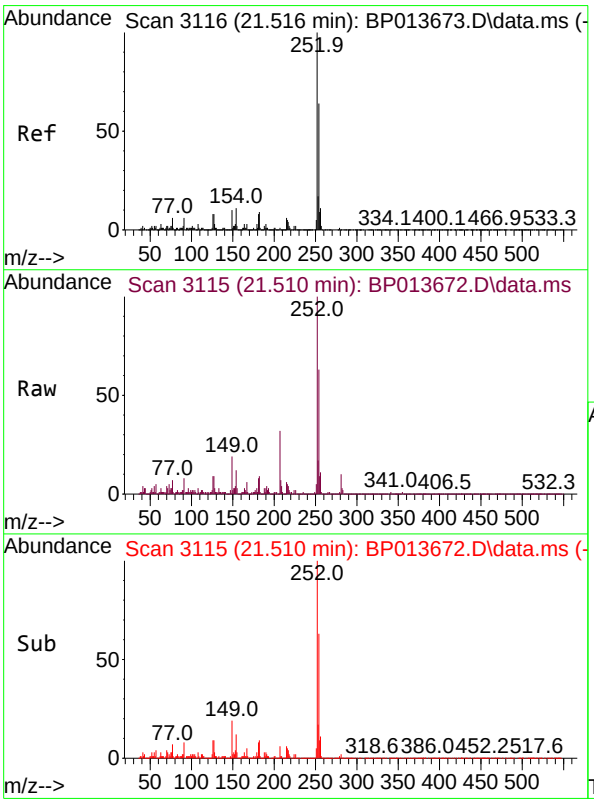
#81
Benzo(a)anthracene
Concen: 20.140 ng
RT: 21.592 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1934856

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	19.7	16.0	24.0

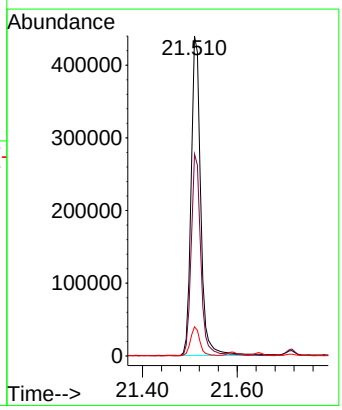


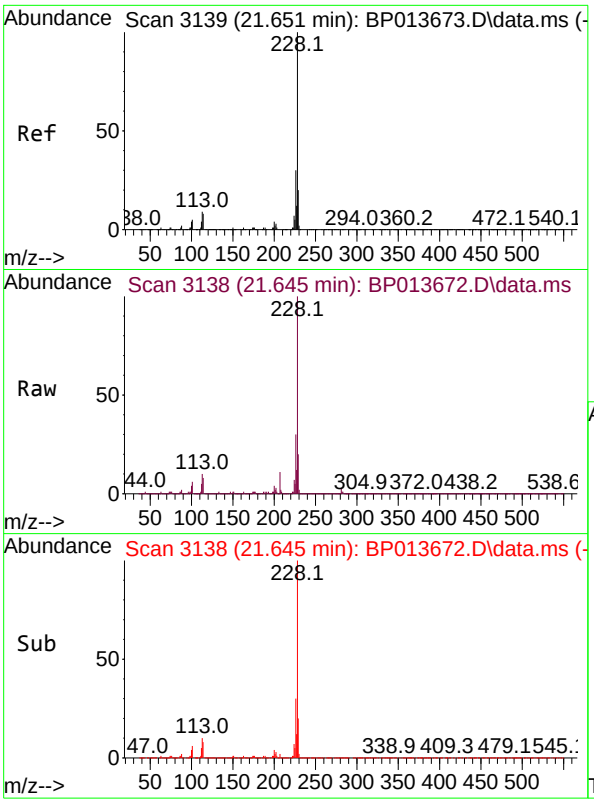


#82
3,3'-Dichlorobenzidine
Concen: 20.365 ng
RT: 21.510 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:252 Resp: 618557

Ion	Ratio	Lower	Upper
252	100		
254	63.1	50.9	76.3
126	9.1	6.7	10.1



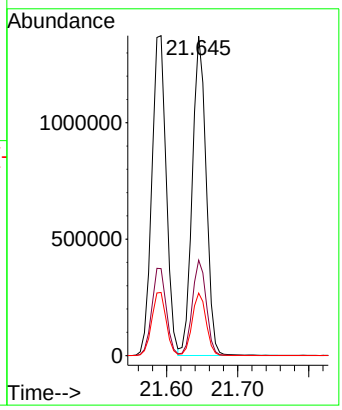


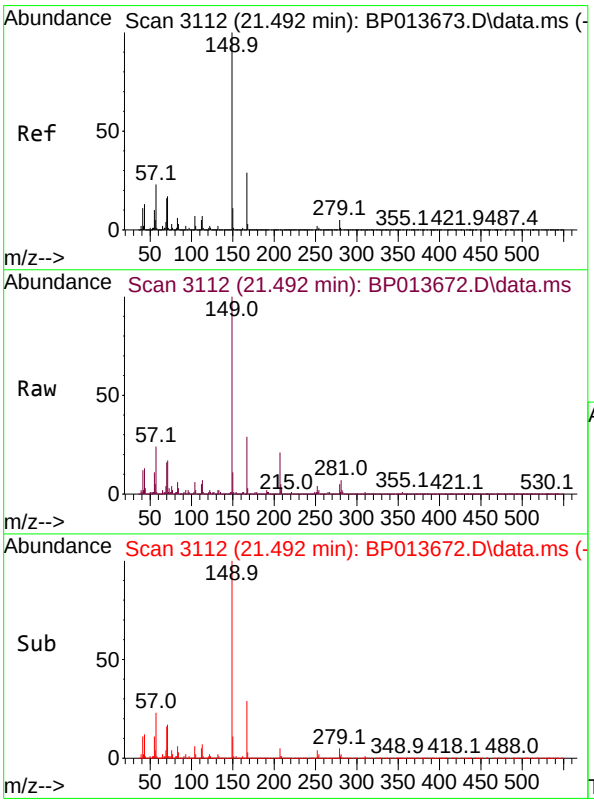
#83
Chrysene
Concen: 20.196 ng
RT: 21.645 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1848560

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.6	15.8	23.8

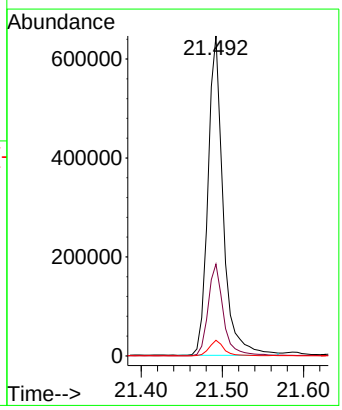


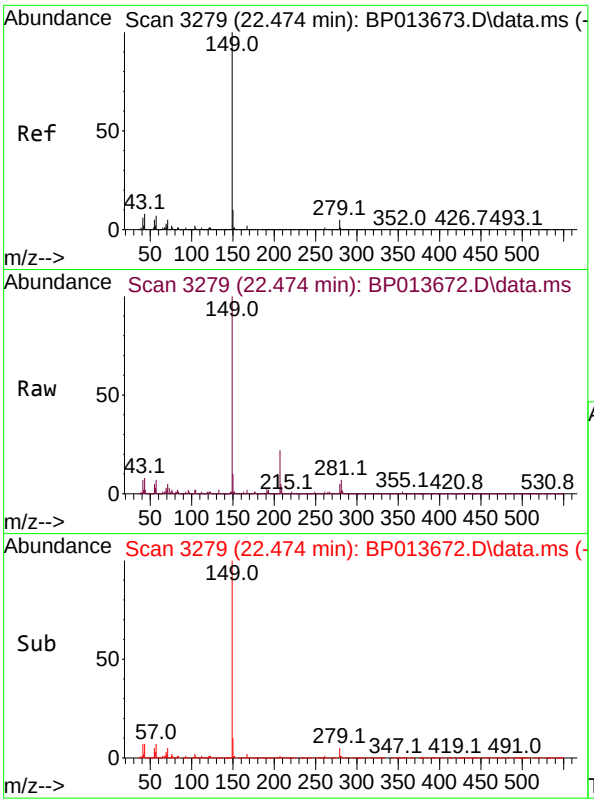


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.458 ng
RT: 21.492 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:149 Resp: 841635

Ion	Ratio	Lower	Upper
149	100		
167	28.7	23.0	34.6
279	4.9	3.9	5.9



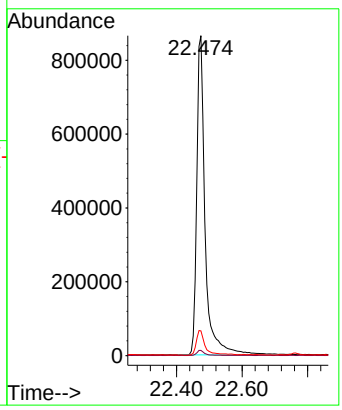


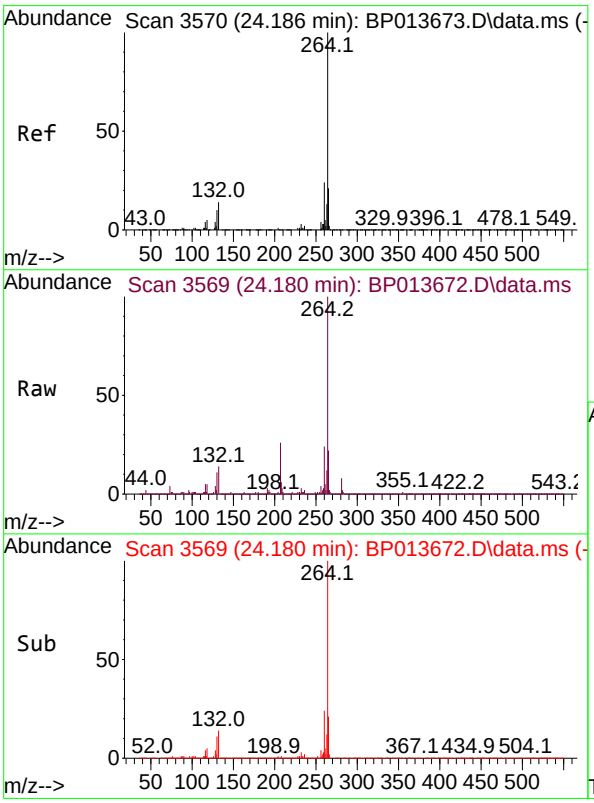
#85
Di-n-octyl phthalate
Concen: 19.409 ng
RT: 22.474 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1533037

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.1	6.3	9.5

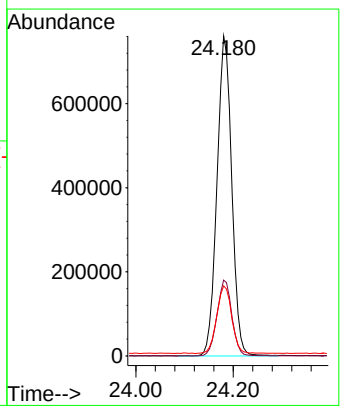


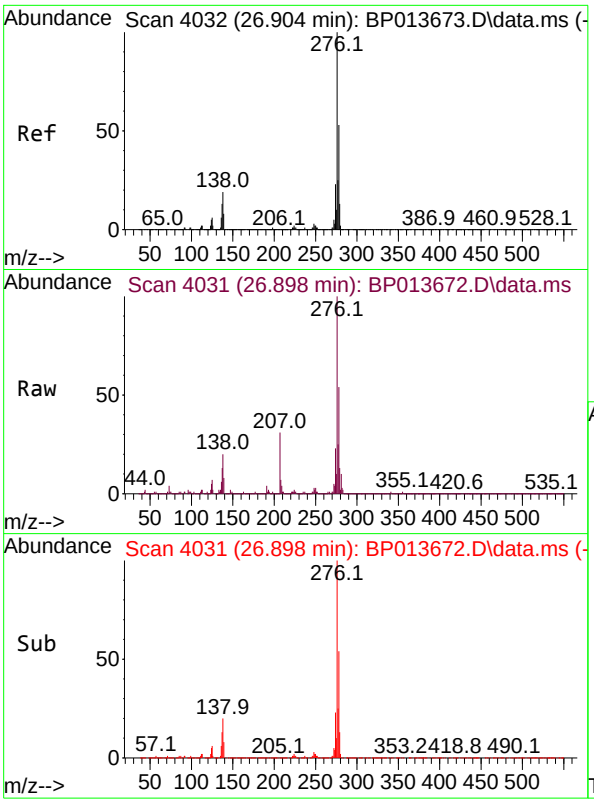


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.180 min Scan# 3569
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:264 Resp: 1596192

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	21.9	17.4	26.0



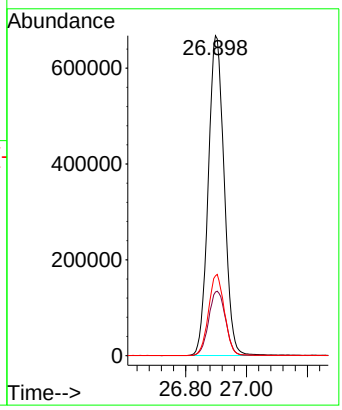


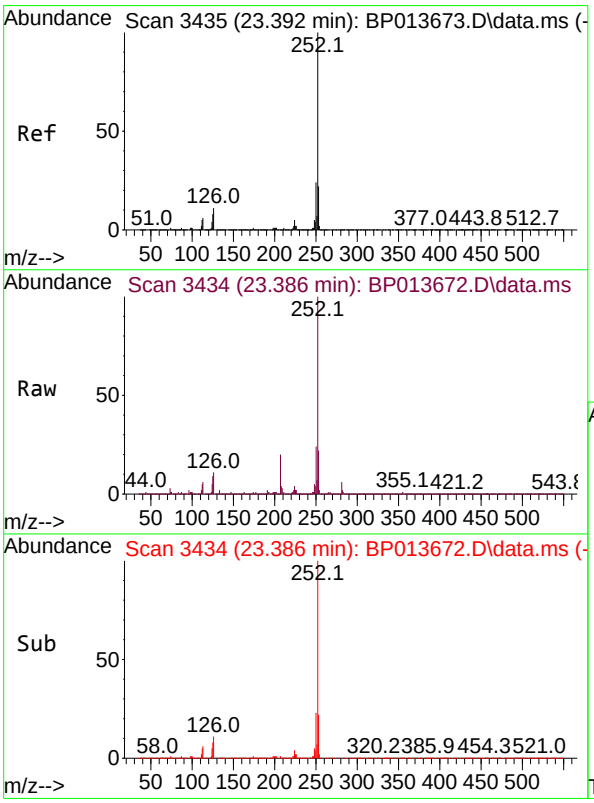
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.951 ng
RT: 26.898 min Scan# 40
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 2421888

Ion	Ratio	Lower	Upper
276	100		
138	21.4	16.5	24.7
277	25.3	20.2	30.2

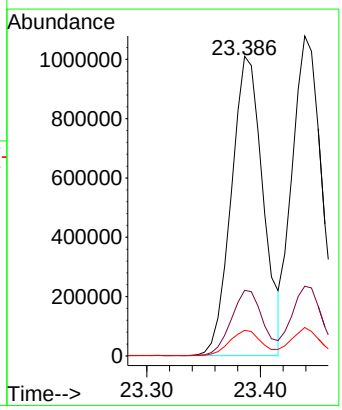


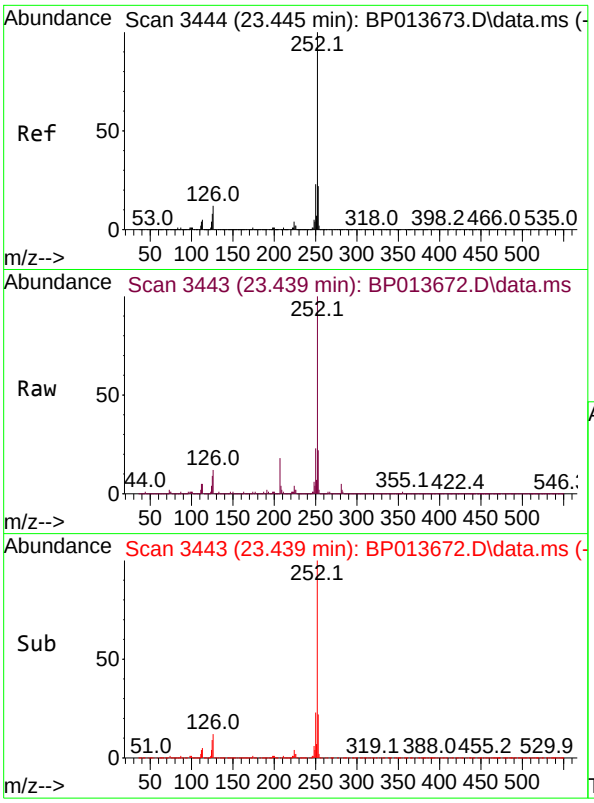


#88
Benzo(b)fluoranthene
Concen: 20.477 ng
RT: 23.386 min Scan# 3434
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:252 Resp: 1964422

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	8.5	6.8	10.2



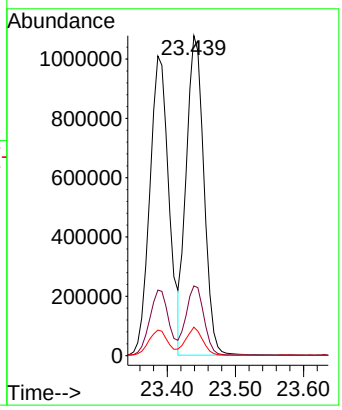


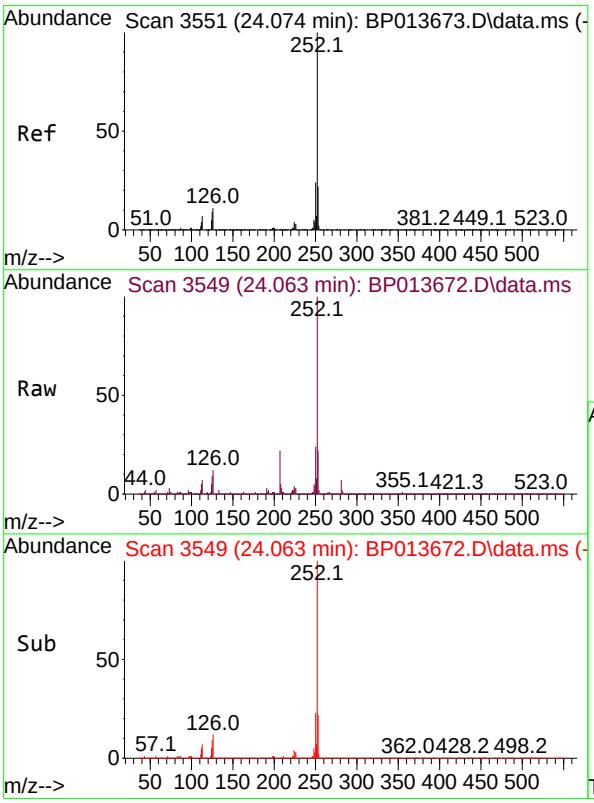
#89
Benzo(k)fluoranthene
Concen: 20.207 ng
RT: 23.439 min Scan# 34
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1941694

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	8.9	6.3	9.5

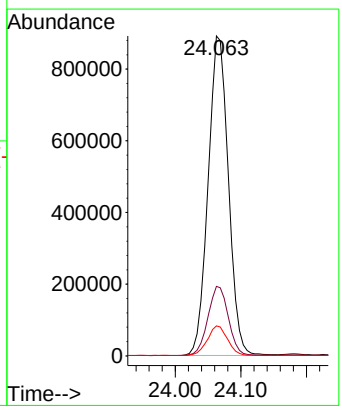


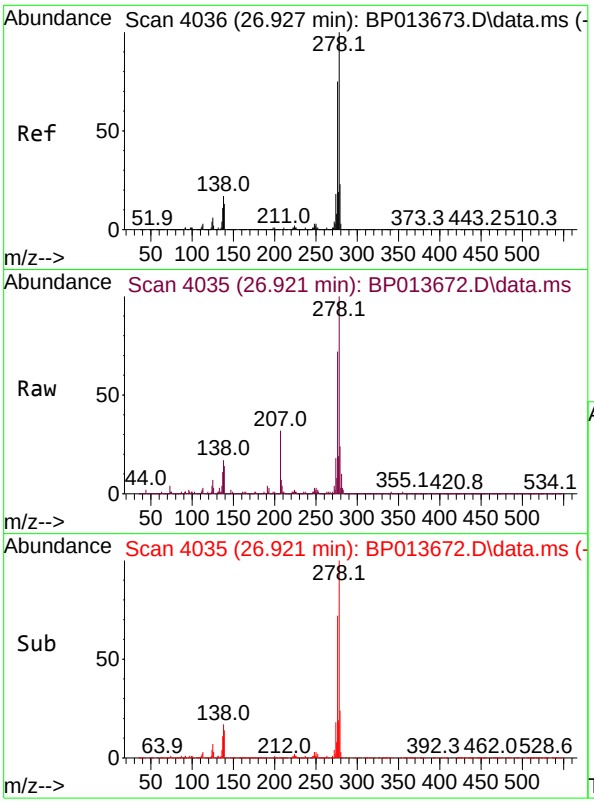


#90
Benzo(a)pyrene
Concen: 20.101 ng
RT: 24.063 min Scan# 3549
Delta R.T. -0.012 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:252 Resp: 1914185

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	9.4	7.0	10.4



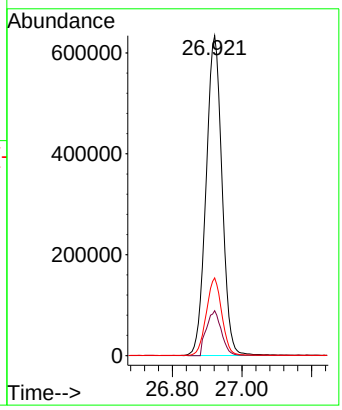


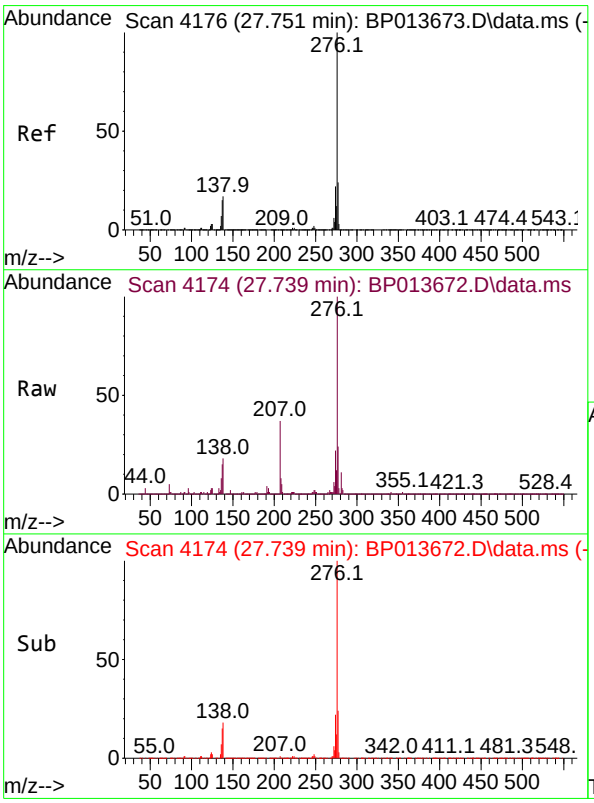
#91
Dibenzo(a,h)anthracene
Concen: 20.011 ng
RT: 26.921 min Scan# 40
Delta R.T. -0.006 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 2016395

Ion	Ratio	Lower	Upper
278	100		
139	14.1	10.6	16.0
279	24.3	18.8	28.2

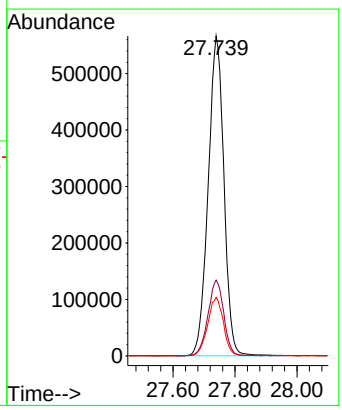




#92
Benzo(g,h,i)perylene
Concen: 19.917 ng
RT: 27.739 min Scan# 4174
Delta R.T. -0.012 min
Lab File: BP013672.D
Acq: 31 Jan 2023 13:04

Tgt Ion:276 Resp: 1993206

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	18.3	14.0	21.0



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013673.D
Acq On : 31 Jan 2023 13:38
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Feb 01 03:02:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.140	152	222064	20.000	ng	0.00
21) Naphthalene-d8	10.969	136	832306	20.000	ng	0.00
39) Acenaphthene-d10	14.781	164	549003	20.000	ng	0.00
64) Phenanthrene-d10	17.533	188	1258361	20.000	ng	0.00
76) Chrysene-d12	21.610	240	1280889	20.000	ng	0.00
86) Perylene-d12	24.186	264	1494510	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	1077734	82.964	ng	0.00
7) Phenol-d6	7.287	99	1429683	82.610	ng	0.00
23) Nitrobenzene-d5	9.316	82	1197854	83.718	ng	0.00
42) 2,4,6-Tribromophenol	16.269	330	671410	81.537	ng	0.00
45) 2-Fluorobiphenyl	13.404	172	3202615	81.627	ng	0.00
79) Terphenyl-d14	20.063	244	5297061	82.120	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.517	88	222710	40.524	ng	100
3) Pyridine	3.934	79	666382	42.828	ng	100
4) n-Nitrosodimethylamine	3.834	42	233740	41.197	ng	100
6) Aniline	7.457	93	929847	41.214	ng	100
8) 2-Chlorophenol	7.699	128	564404	41.270	ng	100
9) Benzaldehyde	7.269	77	373258	42.688	ng	100
10) Phenol	7.316	94	748446	41.398	ng	100
11) bis(2-Chloroethyl)ether	7.552	93	589722	40.833	ng	100
12) 1,3-Dichlorobenzene	8.028	146	630619	40.935	ng	100
13) 1,4-Dichlorobenzene	8.175	146	638142	40.940	ng	100
14) 1,2-Dichlorobenzene	8.499	146	614332	41.187	ng	100
15) Benzyl Alcohol	8.381	79	511116	41.708	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.675	45	691293	40.829	ng	100
17) 2-Methylphenol	8.581	107	527558	41.641	ng	100
18) Hexachloroethane	9.240	117	207339	40.339	ng	100
19) n-Nitroso-di-n-propyla...	8.952	70	458666	42.241	ng	100
20) 3+4-Methylphenols	8.910	107	719832	41.649	ng	100
22) Acetophenone	8.969	105	883213	40.693	ng	100
24) Nitrobenzene	9.357	77	644174	41.507	ng	100
25) Isophorone	9.887	82	1295693	40.857	ng	100
26) 2-Nitrophenol	10.075	139	272155	41.896	ng	100
27) 2,4-Dimethylphenol	10.128	122	527076	39.631	ng	100
28) bis(2-Chloroethoxy)met...	10.363	93	758692	39.915	ng	100
29) 2,4-Dichlorophenol	10.610	162	567631	40.748	ng	100
30) 1,2,4-Trichlorobenzene	10.828	180	618921	40.042	ng	100
31) Naphthalene	11.022	128	1763772	40.303	ng	100
32) Benzoic acid	10.246	122	386879	40.662	ng	100
33) 4-Chloroaniline	11.128	127	786258	40.889	ng	100
34) Hexachlorobutadiene	11.304	225	388480	39.594	ng	100
35) Caprolactam	11.910	113	185916	40.797	ng	100
36) 4-Chloro-3-methylphenol	12.234	107	595647	40.649	ng	100
37) 2-Methylnaphthalene	12.616	142	1319106	40.088	ng	100
38) 1-Methylnaphthalene	12.834	142	1236119	39.991	ng	100
40) 1,2,4,5-Tetrachloroben...	12.981	216	763524	40.736	ng	100
41) Hexachlorocyclopentadiene	12.957	237	340961	39.856	ng	100
43) 2,4,6-Trichlorophenol	13.216	196	511316	41.429	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013673.D
Acq On : 31 Jan 2023 13:38
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Feb 01 03:02:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.287	196	596651	41.290	ng	100
46) 1,1'-Biphenyl	13.616	154	1689729	40.672	ng	100
47) 2-Chloronaphthalene	13.657	162	1307801	40.725	ng	100
48) 2-Nitroaniline	13.857	65	293611	42.788	ng	100
49) Acenaphthylene	14.504	152	2110366	40.750	ng	100
50) Dimethylphthalate	14.228	163	1723395	40.585	ng	100
51) 2,6-Dinitrotoluene	14.345	165	336022	44.275	ng	100
52) Acenaphthene	14.845	154	1345553	41.655	ng	100
53) 3-Nitroaniline	14.681	138	359021	43.376	ng	100
54) 2,4-Dinitrophenol	14.881	184	185402	40.138	ng	100
55) Dibenzofuran	15.175	168	2089455	40.044	ng	100
56) 4-Nitrophenol	14.975	139	302516	41.089	ng	100
57) 2,4-Dinitrotoluene	15.134	165	439259	44.103	ng	100
58) Fluorene	15.828	166	1652833	40.346	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.398	232	512200	40.762	ng	100
60) Diethylphthalate	15.586	149	1640284	40.293	ng	100
61) 4-Chlorophenyl-phenyle...	15.816	204	892211	39.994	ng	100
62) 4-Nitroaniline	15.839	138	360732	43.886	ng	100
63) Azobenzene	16.110	77	1531962	40.739	ng	100
65) 4,6-Dinitro-2-methylph...	15.892	198	268458	40.935	ng	100
66) n-Nitrosodiphenylamine	16.028	169	1470425	40.160	ng	100
67) 4-Bromophenyl-phenylether	16.710	248	579044	40.142	ng	100
68) Hexachlorobenzene	16.833	284	632460	39.595	ng	100
69) Atrazine	16.975	200	505947	42.466	ng	100
70) Pentachlorophenol	17.175	266	491204	41.689	ng	100
71) Phenanthrene	17.575	178	2704677	40.100	ng	100
72) Anthracene	17.663	178	2772105	40.710	ng	100
73) Carbazole	17.928	167	2514663	40.670	ng	100
74) Di-n-butylphthalate	18.463	149	2760119	40.793	ng	100
75) Fluoranthene	19.522	202	3387517	40.342	ng	100
77) Benzidine	19.692	184	1207090	43.630	ng	100
78) Pyrene	19.874	202	3529561	40.958	ng	100
80) Butylbenzylphthalate	20.733	149	968804	41.181	ng	100
81) Benzo(a)anthracene	21.592	228	3630899	40.811	ng	100
82) 3,3'-Dichlorobenzidine	21.516	252	1186038	42.166	ng	100
83) Chrysene	21.651	228	3438900	40.570	ng	100
84) Bis(2-ethylhexyl)phtha...	21.492	149	1648094	41.145	ng	100
85) Di-n-octyl phthalate	22.474	149	3004302	41.073	ng	100
87) Indeno(1,2,3-cd)pyrene	26.904	276	4572359	40.229	ng	100
88) Benzo(b)fluoranthene	23.392	252	3591203	39.981	ng	100
89) Benzo(k)fluoranthene	23.445	252	3729657	41.455	ng	100
90) Benzo(a)pyrene	24.074	252	3607697	40.462	ng	100
91) Dibenzo(a,h)anthracene	26.927	278	3806958	40.352	ng	100
92) Benzo(g,h,i)perylene	27.751	276	3759929	40.127	ng	100

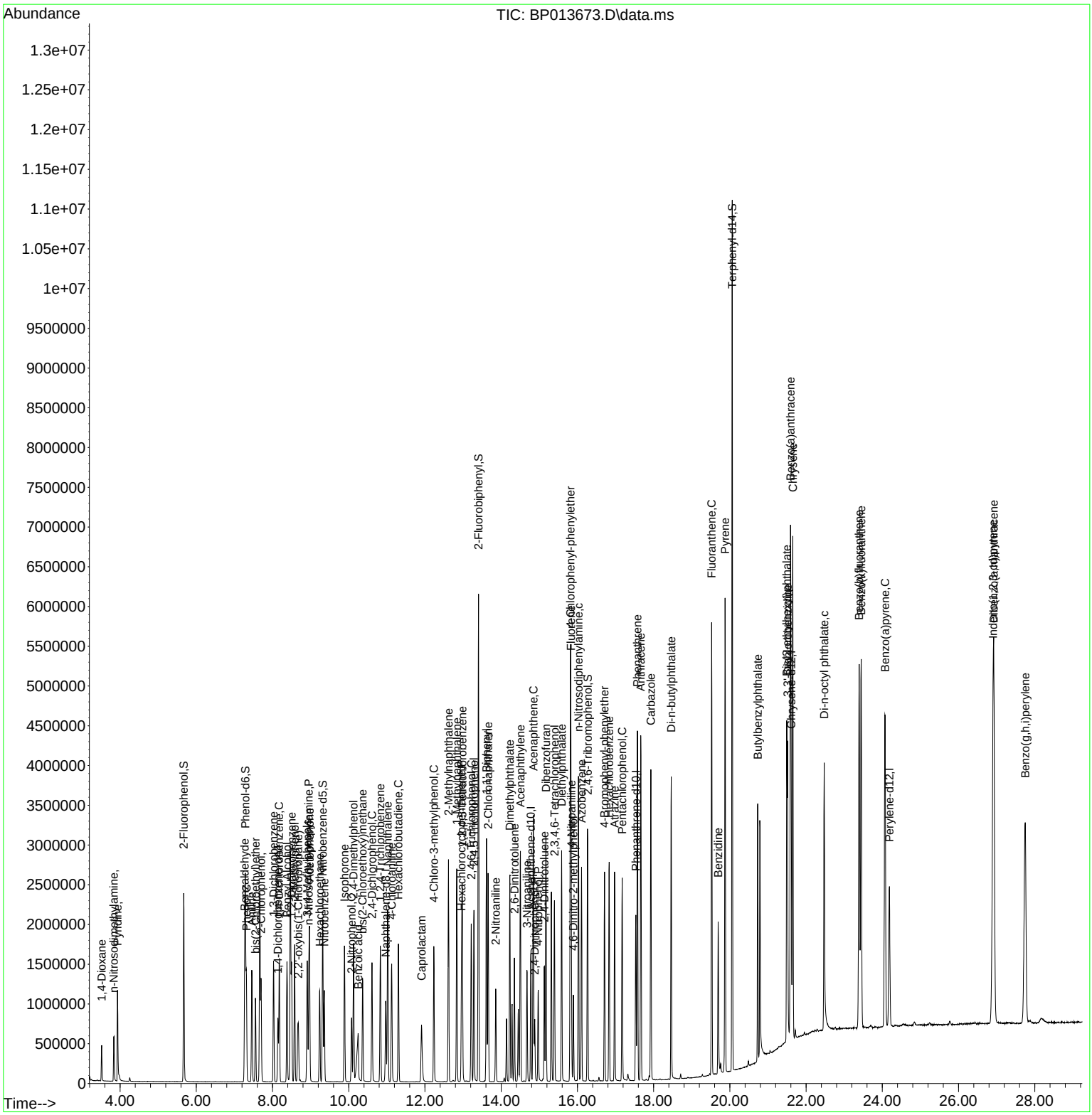
(#) = qualifier out of range (m) = manual integration (+) = signals summed

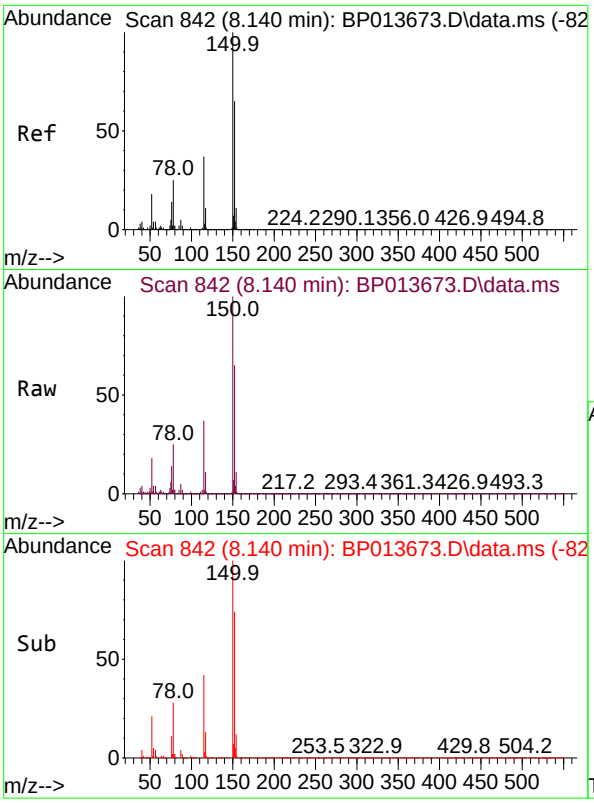
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013673.D
Acq On : 31 Jan 2023 13:38
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Feb 01 03:02:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration



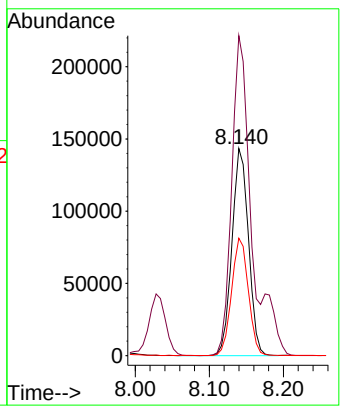


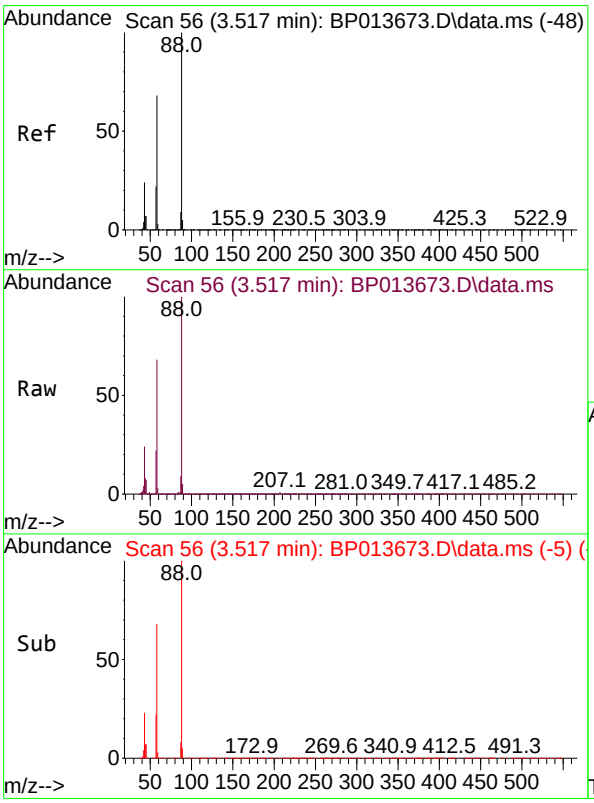
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.140 min Scan# 84
Delta R.T. -0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 222064

Ion	Ratio	Lower	Upper
152	100		
150	154.5	123.6	185.4
115	56.7	45.4	68.0

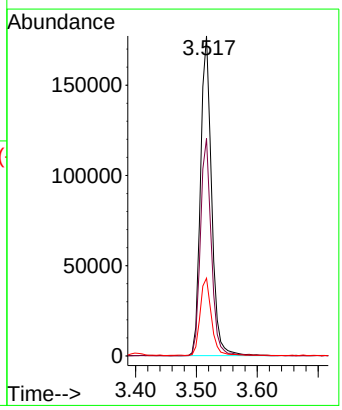


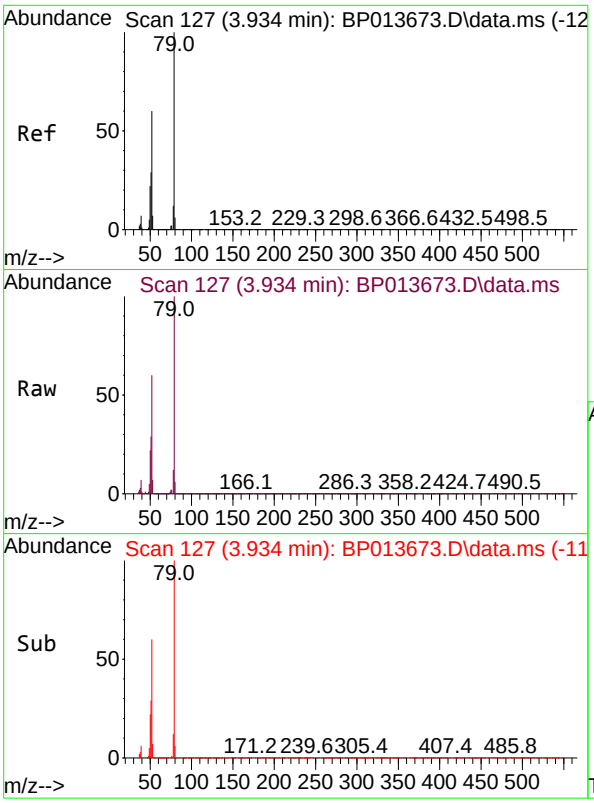


#2
1,4-Dioxane
Concen: 40.524 ng
RT: 3.517 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion: 88 Resp: 222710

Ion	Ratio	Lower	Upper
88	100		
58	67.3	53.8	80.8
43	24.7	19.8	29.6



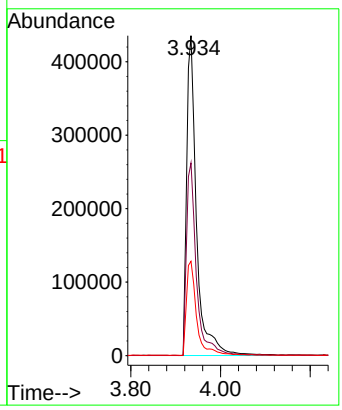


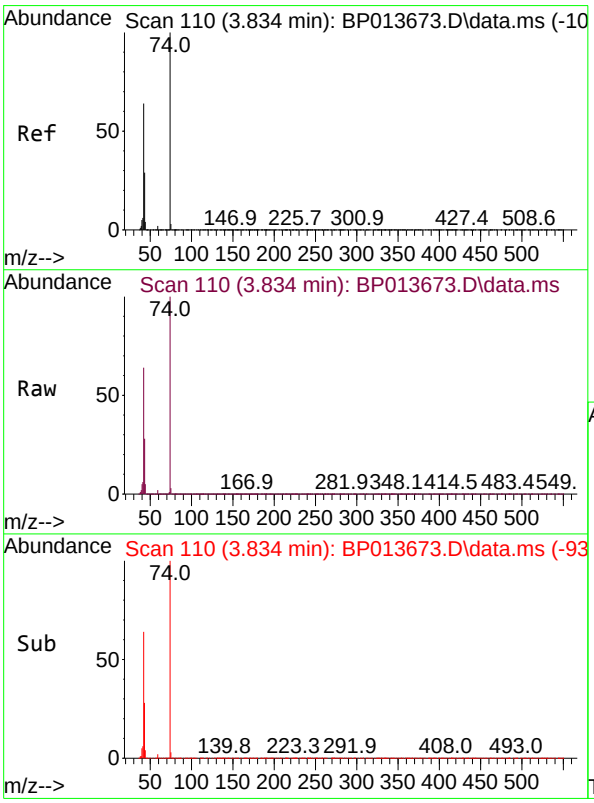
#3
Pyridine
Concen: 42.828 ng
RT: 3.934 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 666382

Ion	Ratio	Lower	Upper
79	100		
52	60.2	48.2	72.2
51	29.5	23.6	35.4

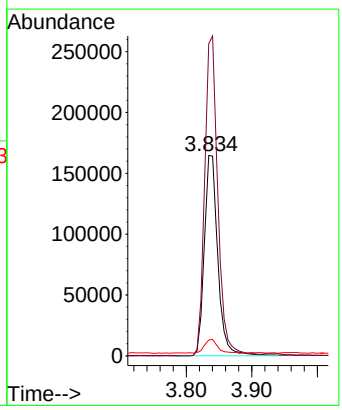


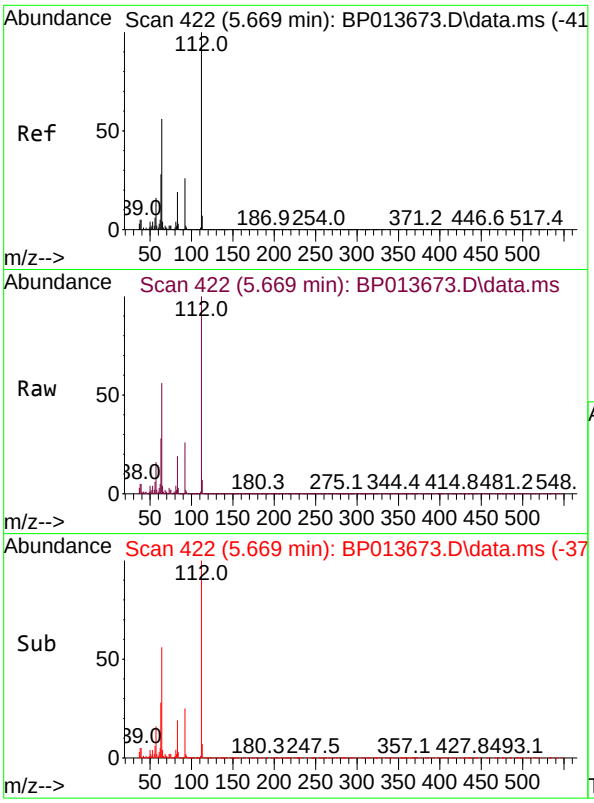


#4
n-Nitrosodimethylamine
Concen: 41.197 ng
RT: 3.834 min Scan# 110
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion: 42 Resp: 233740

Ion	Ratio	Lower	Upper
42	100		
74	155.8	124.6	187.0
44	7.9	6.3	9.5



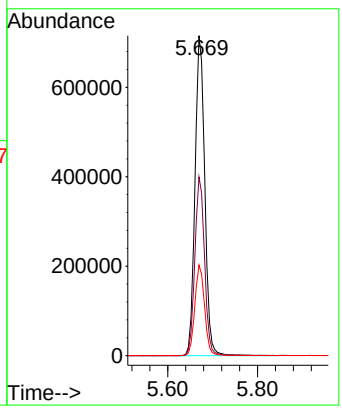


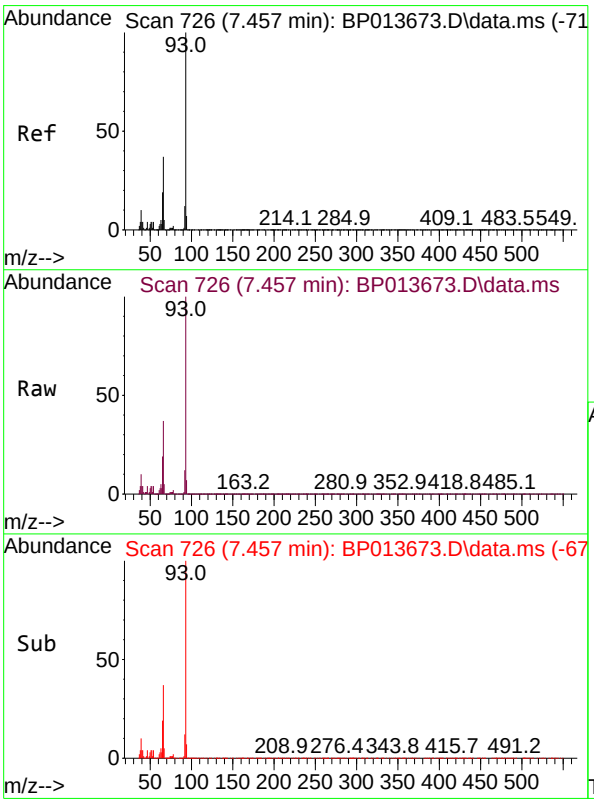
#5
2-Fluorophenol
Concen: 82.964 ng
RT: 5.669 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1077734

Ion	Ratio	Lower	Upper
112	100		
64	55.8	44.6	67.0
63	28.3	22.6	34.0

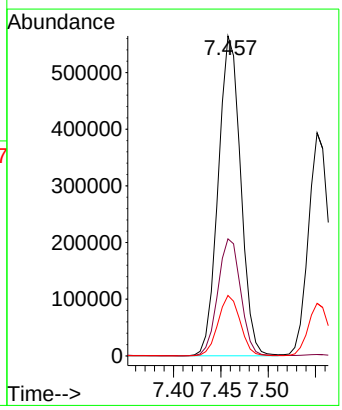


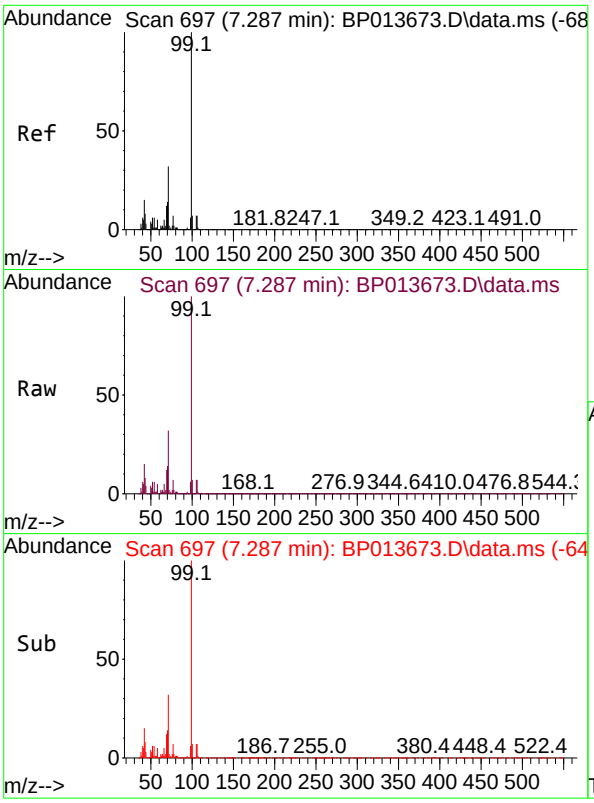


#6
Aniline
Concen: 41.214 ng
RT: 7.457 min Scan# 726
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion: 93 Resp: 929847

Ion	Ratio	Lower	Upper
93	100		
66	36.6	29.3	43.9
65	18.9	15.1	22.7



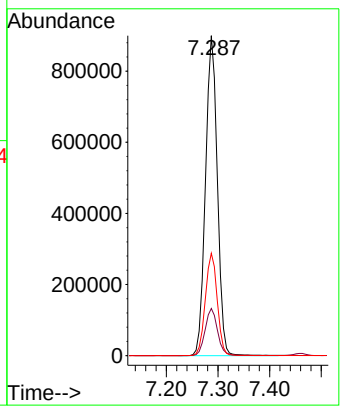


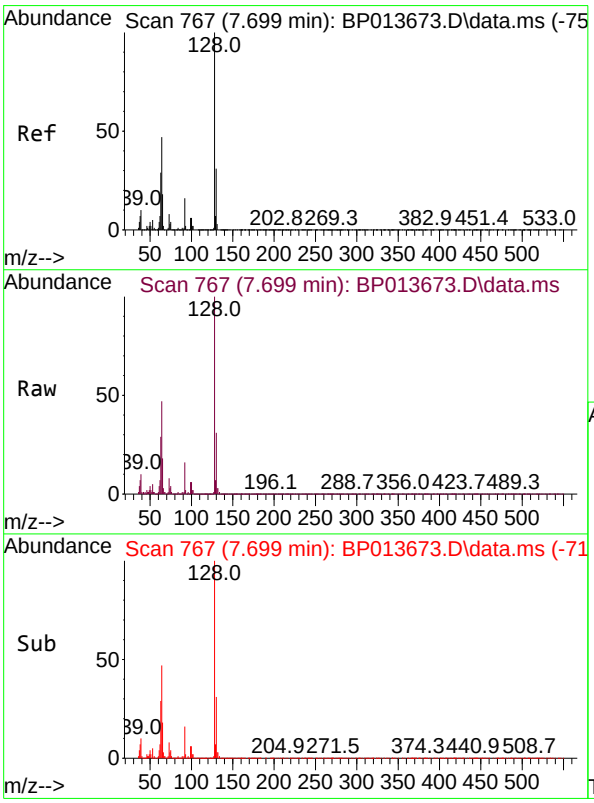
#7
Phenol-d6
Concen: 82.610 ng
RT: 7.287 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1429683

Ion	Ratio	Lower	Upper
99	100		
42	14.7	11.8	17.6
71	32.0	25.6	38.4

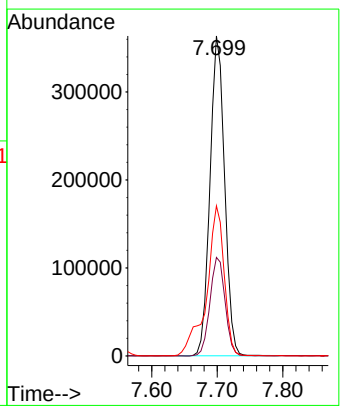


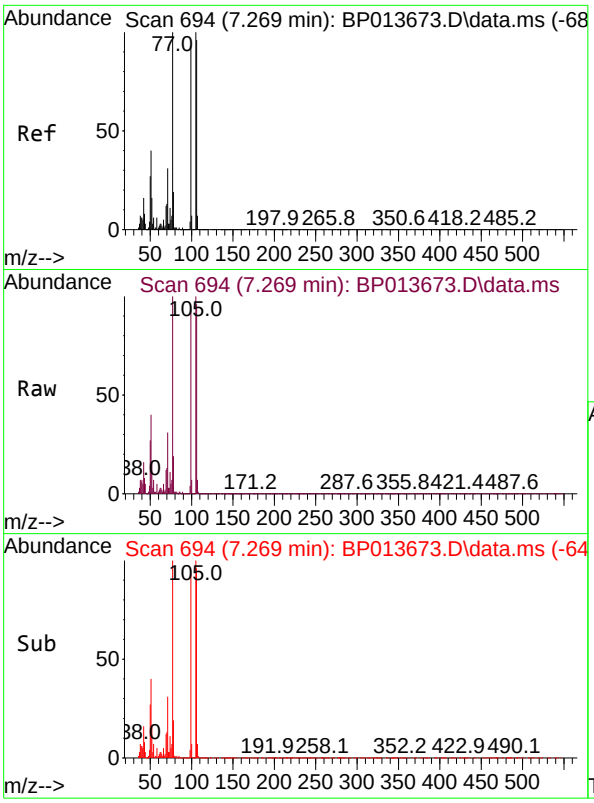


#8
2-Chlorophenol
Concen: 41.270 ng
RT: 7.699 min Scan# 767
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:128 Resp: 564404

Ion	Ratio	Lower	Upper
128	100		
130	30.8	10.8	50.8
64	46.9	26.9	66.9



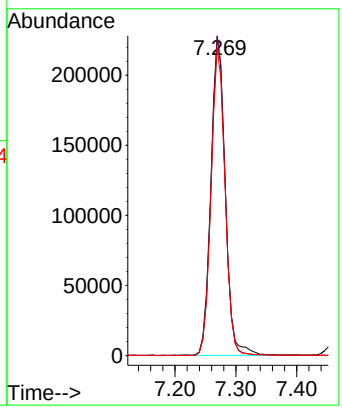


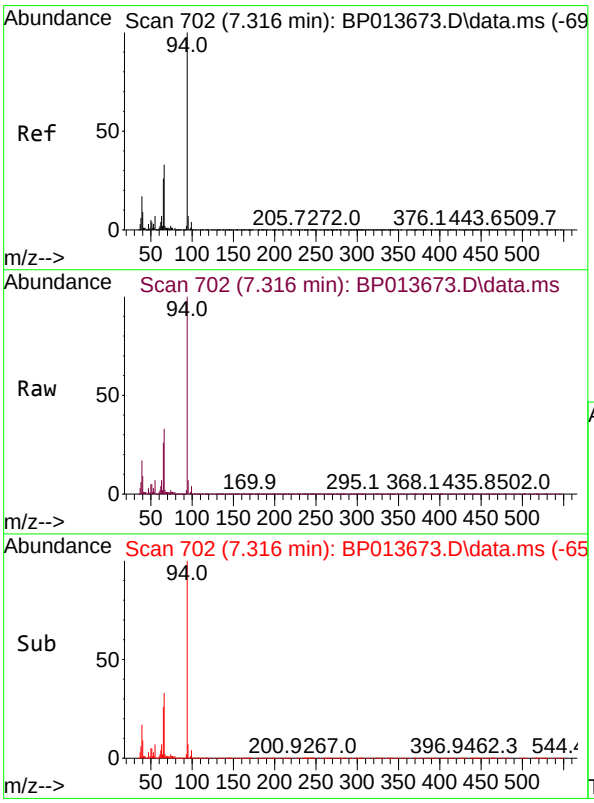
#9
Benzaldehyde
Concen: 42.688 ng
RT: 7.269 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 373258

Ion	Ratio	Lower	Upper
77	100		
105	100.4	80.4	120.4
106	96.7	76.7	116.7

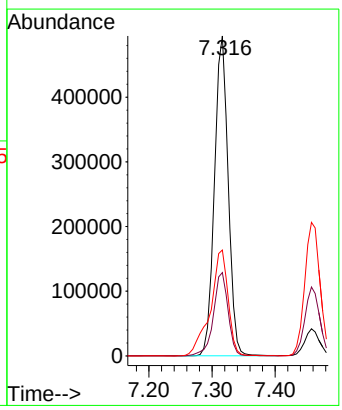


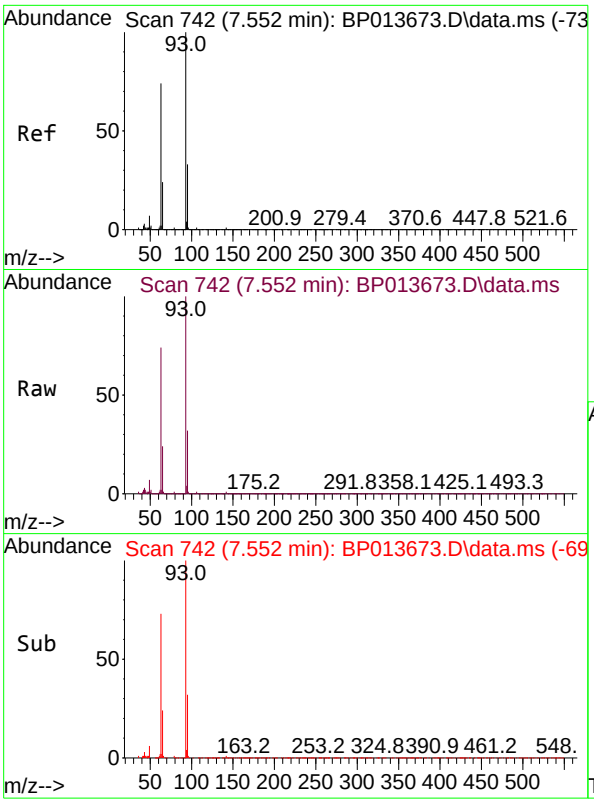


#10
Phenol
Concen: 41.398 ng
RT: 7.316 min Scan# 702
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion: 94 Resp: 748446

Ion	Ratio	Lower	Upper
94	100		
65	26.0	6.0	46.0
66	33.1	13.1	53.1



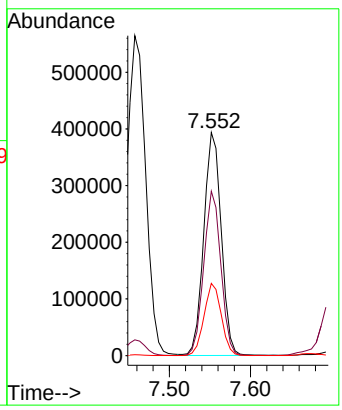


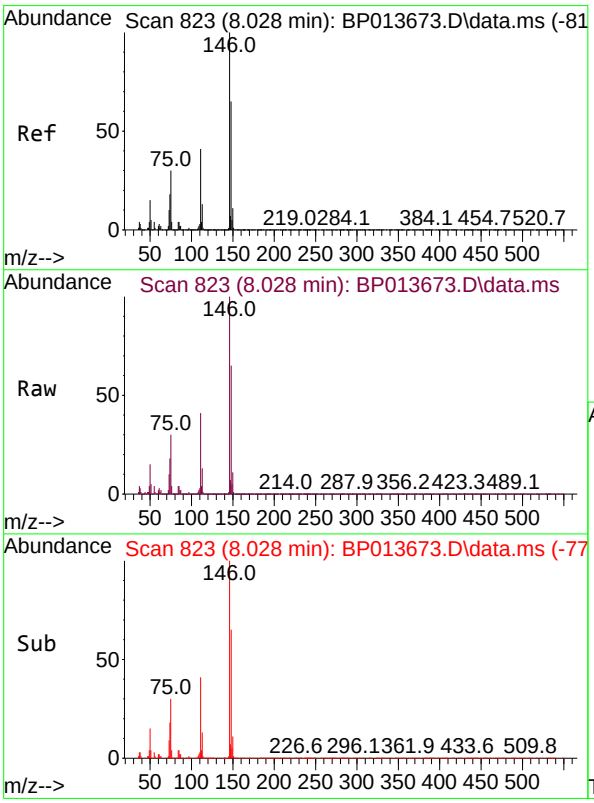
#11
bis(2-Chloroethyl)ether
Concen: 40.833 ng
RT: 7.552 min Scan# 74
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 589722

Ion	Ratio	Lower	Upper
93	100		
63	73.7	53.7	93.7
95	32.4	12.4	52.4

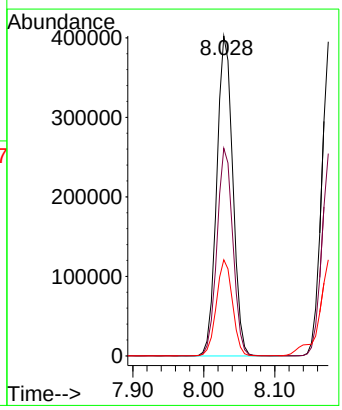


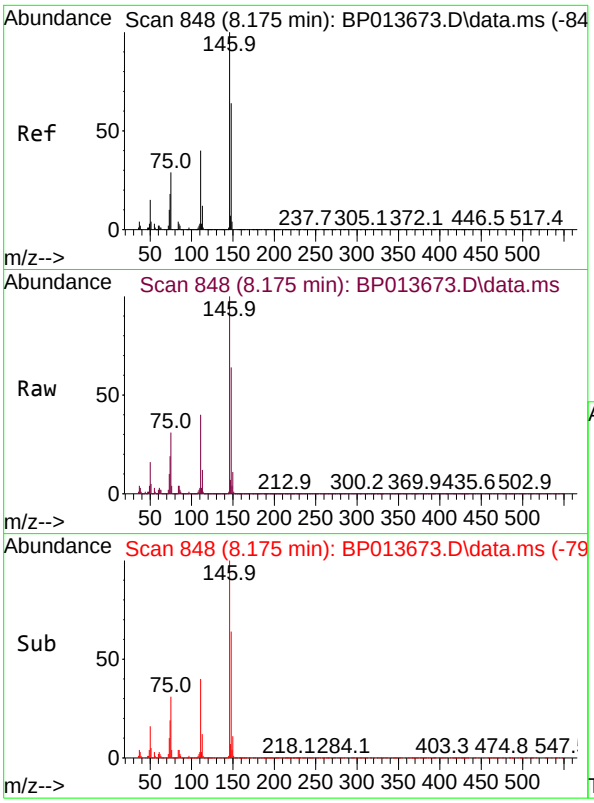


#12
1,3-Dichlorobenzene
Concen: 40.935 ng
RT: 8.028 min Scan# 823
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:146 Resp: 630619

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
75	30.0	24.0	36.0



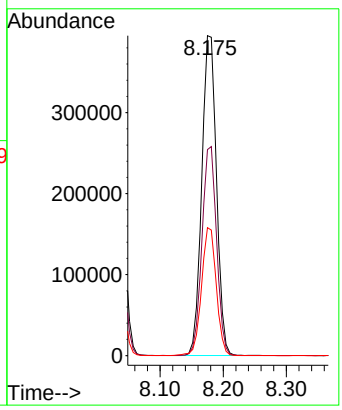


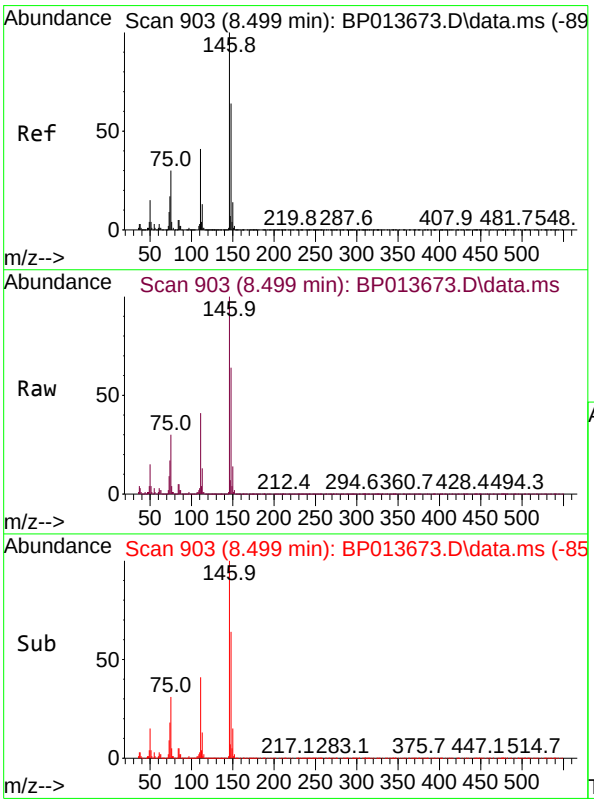
#13
1,4-Dichlorobenzene
Concen: 40.940 ng
RT: 8.175 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 638142

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	40.0	32.0	48.0

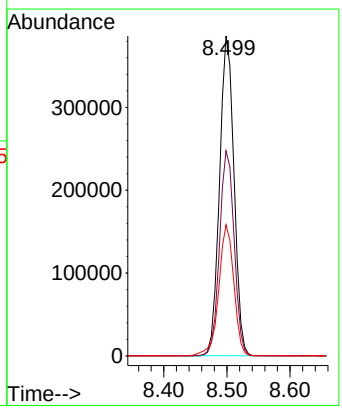


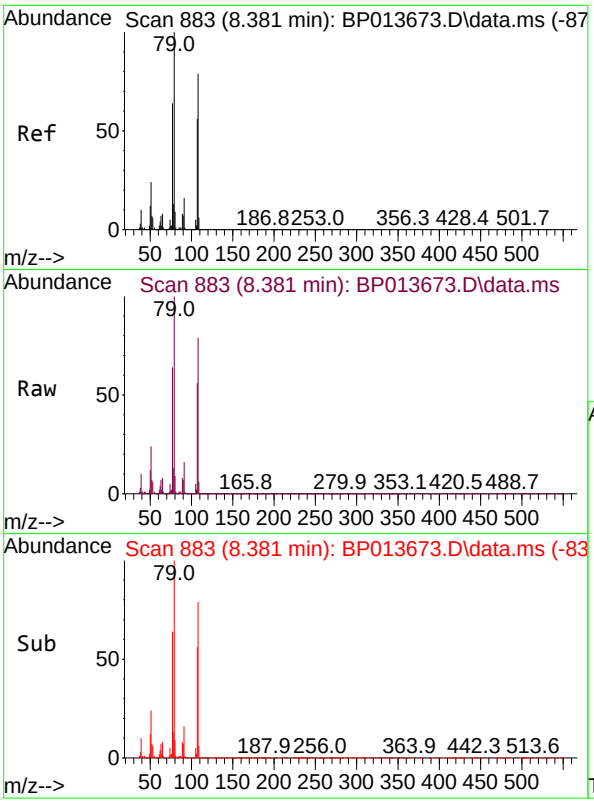


#14
1,2-Dichlorobenzene
Concen: 41.187 ng
RT: 8.499 min Scan# 903
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:146 Resp: 614332

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
111	41.0	32.8	49.2



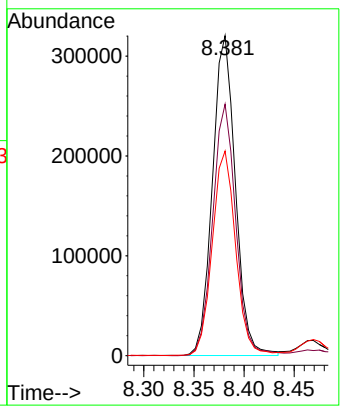


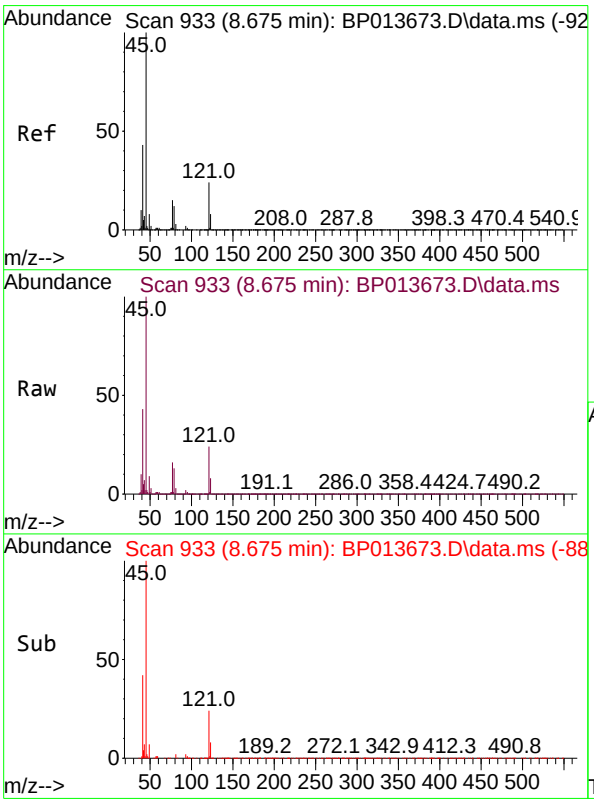
#15
Benzyl Alcohol
Concen: 41.708 ng
RT: 8.381 min Scan# 88
Delta R.T. -0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 511116

Ion	Ratio	Lower	Upper
79	100		
108	78.6	62.9	94.3
77	63.9	51.1	76.7

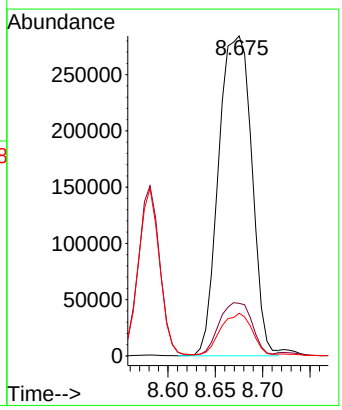


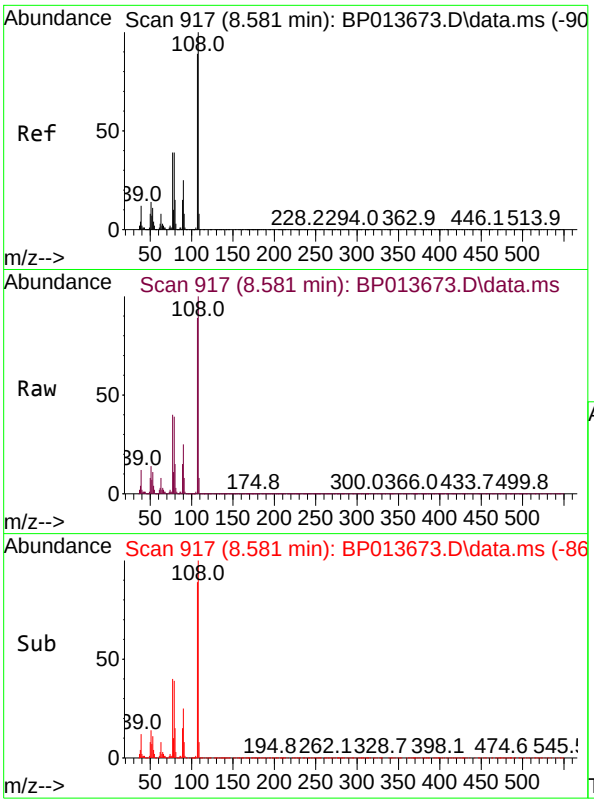


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.829 ng
RT: 8.675 min Scan# 933
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion: 45 Resp: 691293

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.4
79	13.4	0.0	33.4



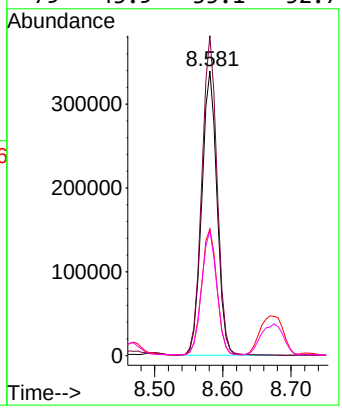


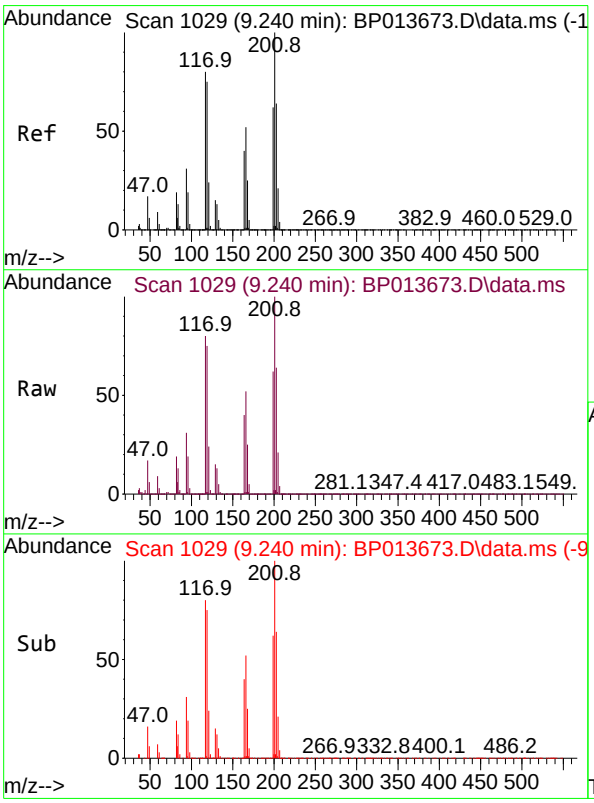
#17
2-Methylphenol
Concen: 41.641 ng
RT: 8.581 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 527558

Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.0	135.0
77	44.6	35.7	53.5
79	43.9	35.1	52.7

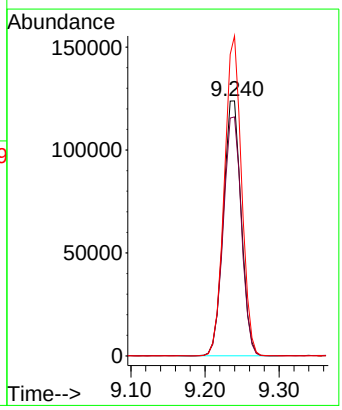


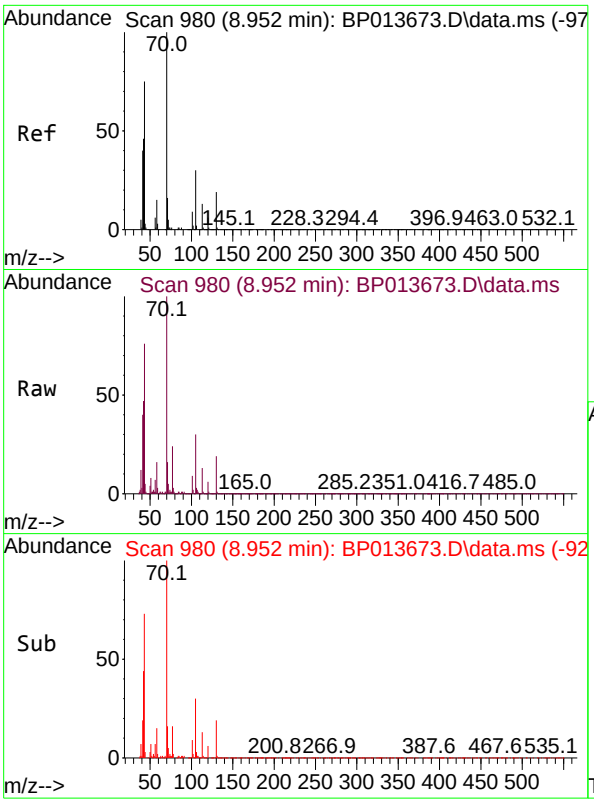


#18
Hexachloroethane
Concen: 40.339 ng
RT: 9.240 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:117 Resp: 207339

Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.0	112.4
201	125.5	100.4	150.6



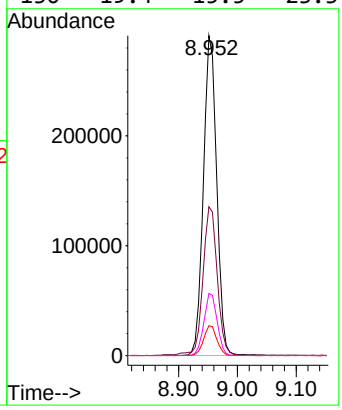


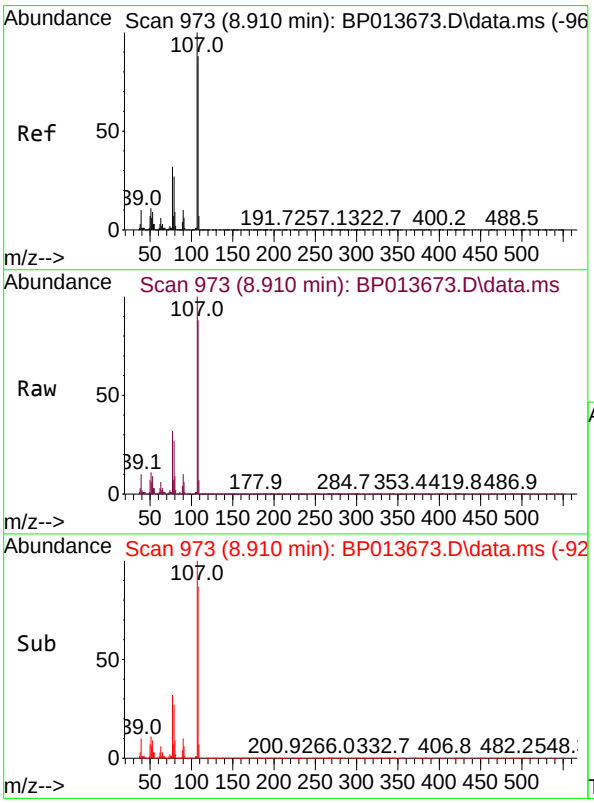
#19
n-Nitroso-di-n-propylamine
Concen: 42.241 ng
RT: 8.952 min Scan# 98
Delta R.T. -0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 458666

Ion	Ratio	Lower	Upper
70	100		
42	46.5	37.2	55.8
101	9.3	7.4	11.2
130	19.4	15.5	23.3

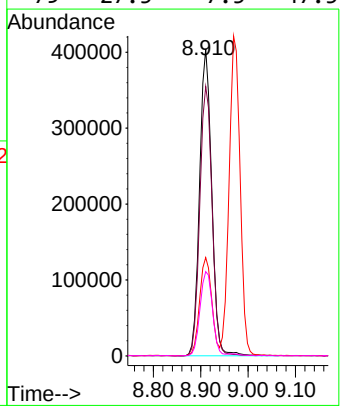


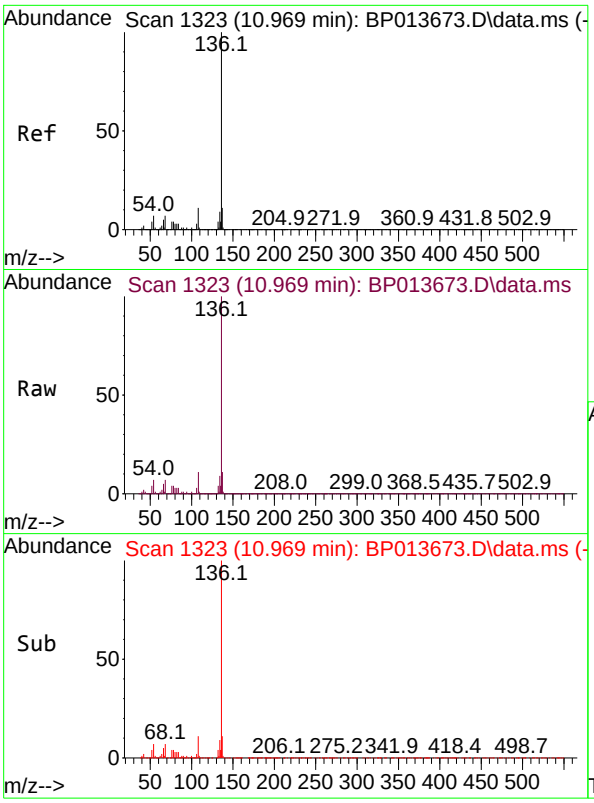


#20
3+4-Methylphenols
Concen: 41.649 ng
RT: 8.910 min Scan# 973
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:107 Resp: 719832

Ion	Ratio	Lower	Upper
107	100		
108	87.7	67.7	107.7
77	32.0	12.0	52.0
79	27.5	7.5	47.5



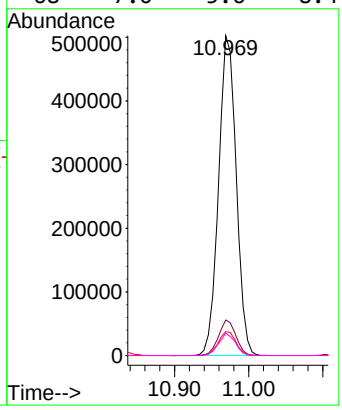


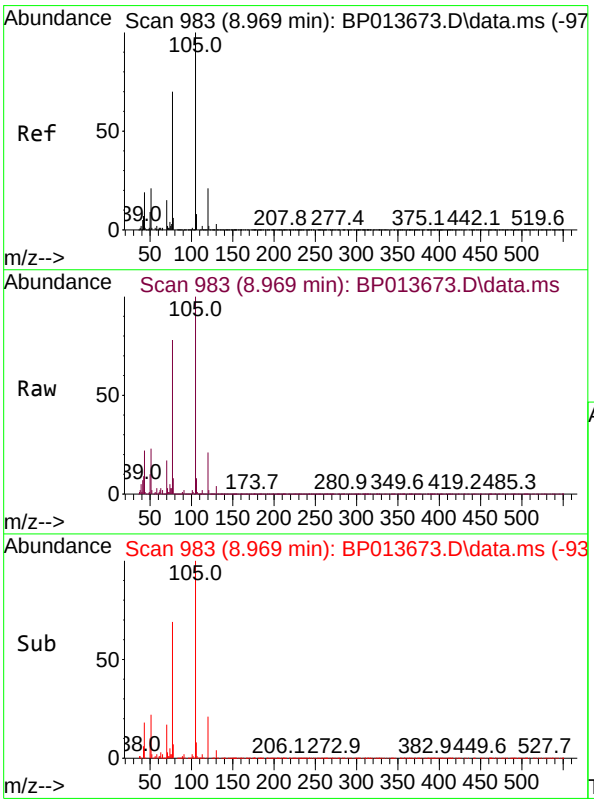
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 832306

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.5	6.0	9.0
68	7.0	5.6	8.4

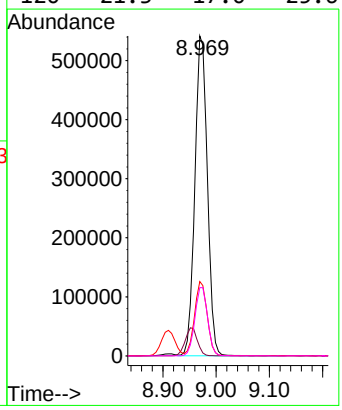


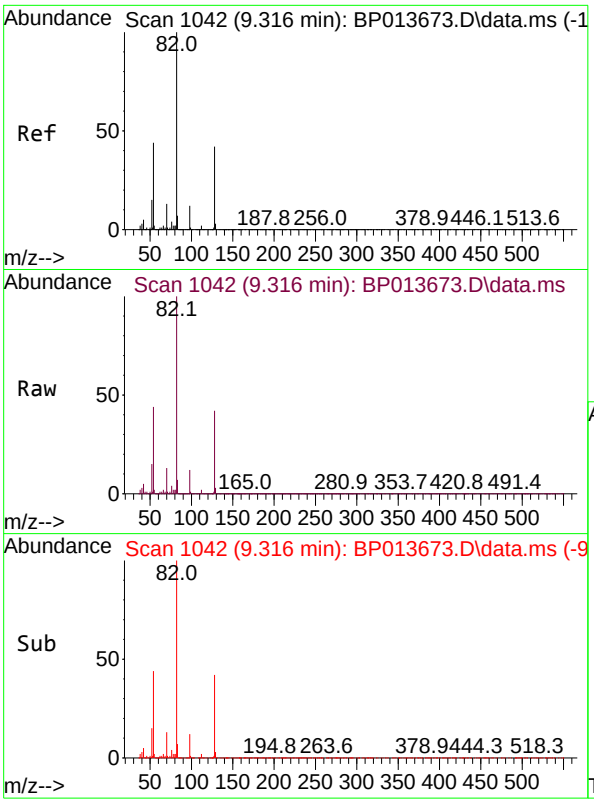


#22
Acetophenone
Concen: 40.693 ng
RT: 8.969 min Scan# 983
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:105 Resp: 883213

Ion	Ratio	Lower	Upper
105	100		
71	2.7	2.2	3.2
51	23.2	18.6	27.8
120	21.3	17.0	25.6



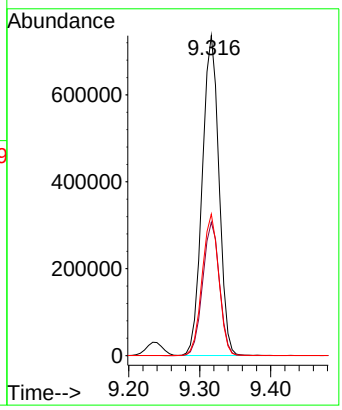


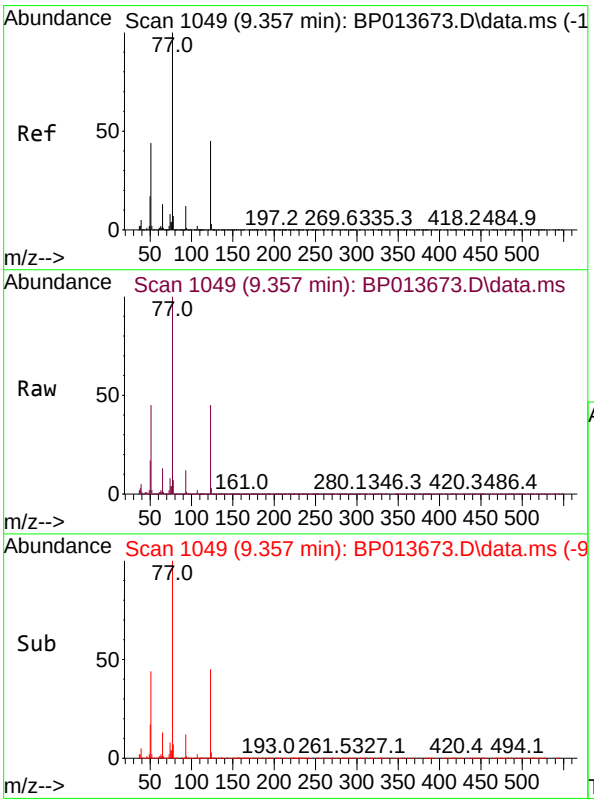
#23
Nitrobenzene-d5
Concen: 83.718 ng
RT: 9.316 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1197854

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.4	50.0
54	44.2	35.4	53.0

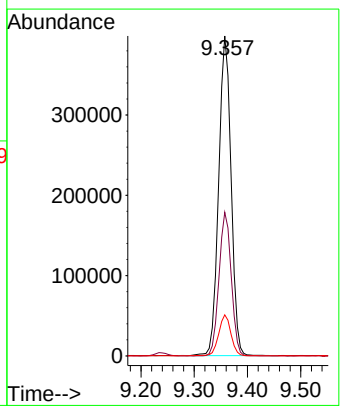


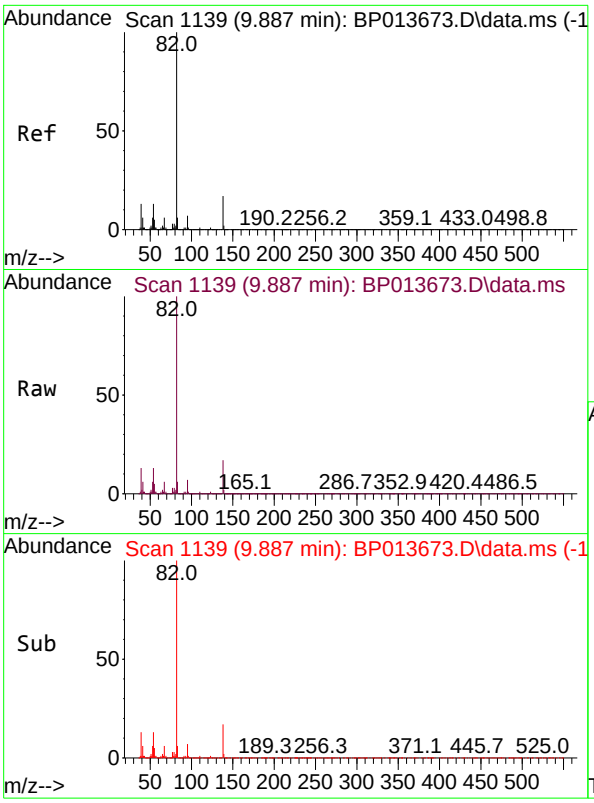


#24
Nitrobenzene
Concen: 41.507 ng
RT: 9.357 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion: 77 Resp: 644174

Ion	Ratio	Lower	Upper
77	100		
123	44.9	35.9	53.9
65	12.8	10.2	15.4



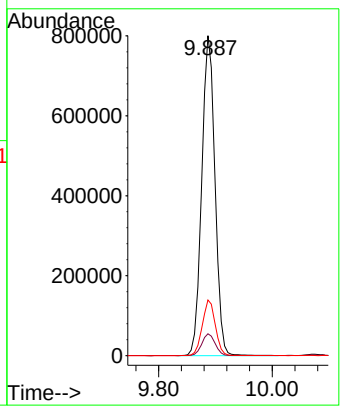


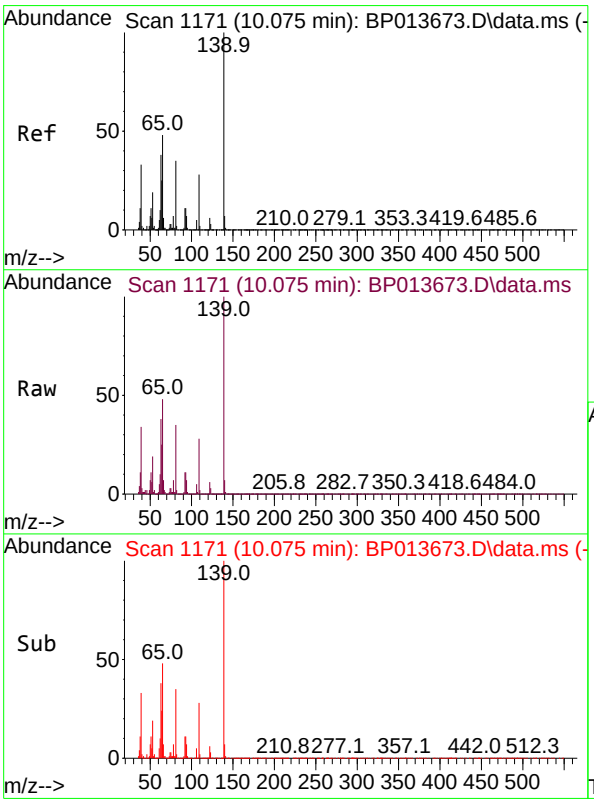
#25
Isophorone
Concen: 40.857 ng
RT: 9.887 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1295693

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	17.4	13.9	20.9

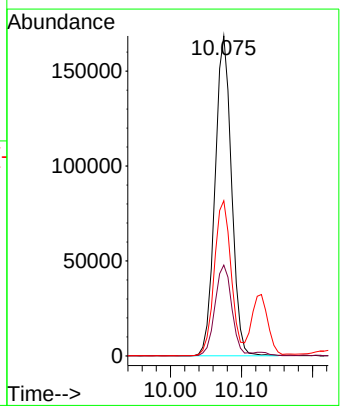


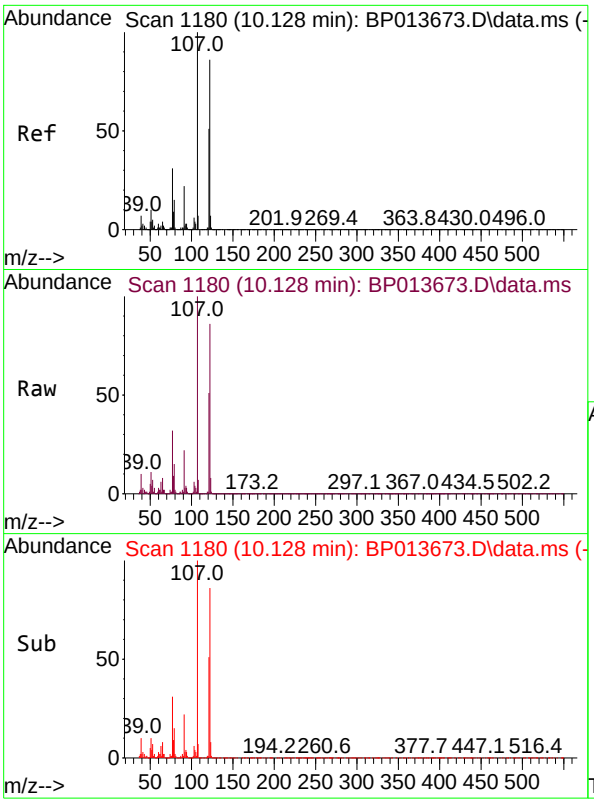


#26
2-Nitrophenol
Concen: 41.896 ng
RT: 10.075 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:139 Resp: 272155

Ion	Ratio	Lower	Upper
139	100		
109	28.4	22.7	34.1
65	48.5	38.8	58.2



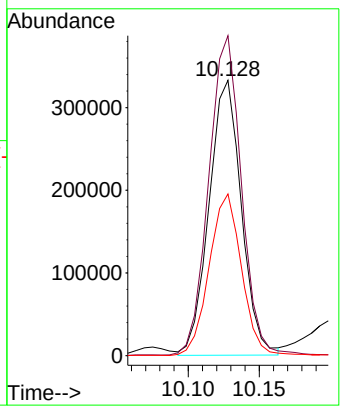


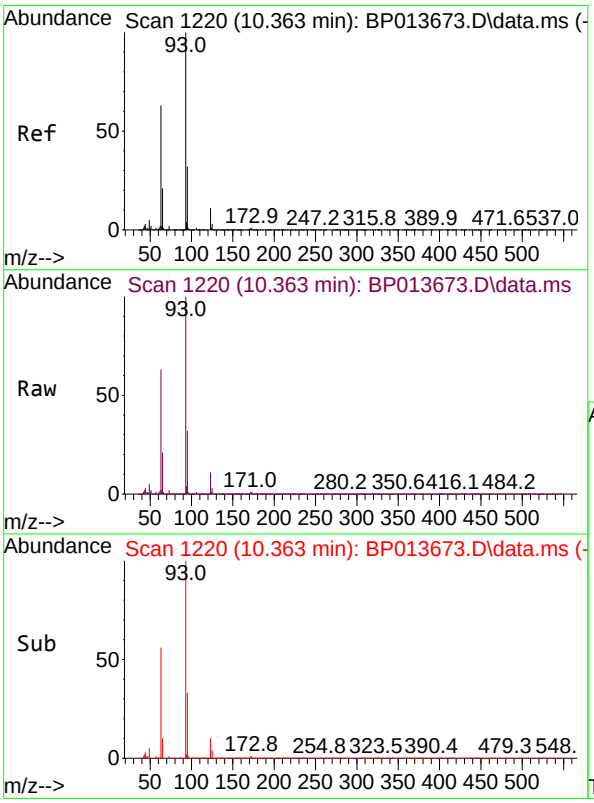
#27
2,4-Dimethylphenol
Concen: 39.631 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 527076

Ion	Ratio	Lower	Upper
122	100		
107	116.3	93.0	139.6
121	58.7	47.0	70.4

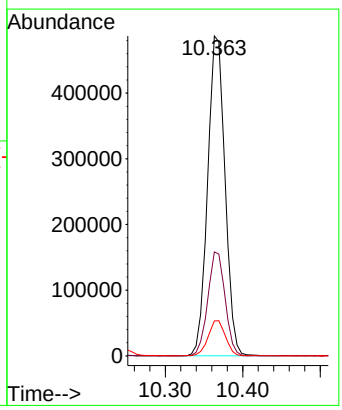


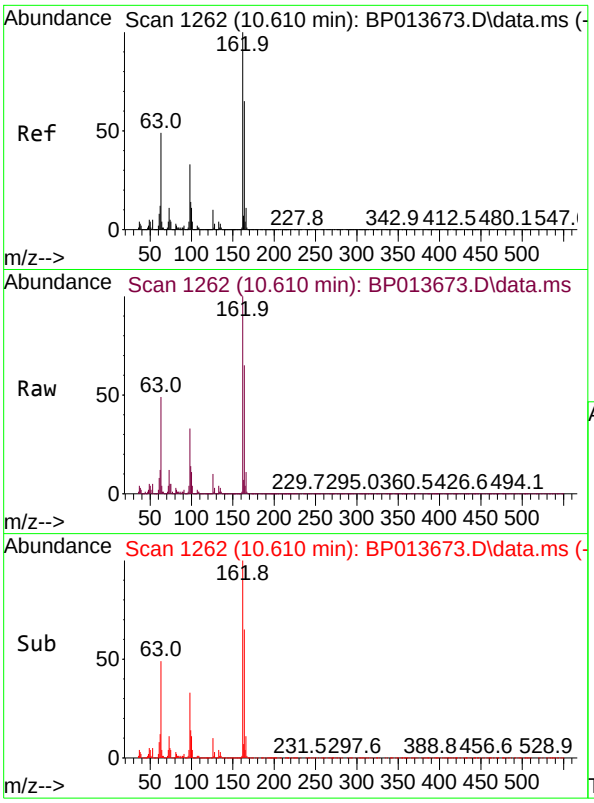


#28
bis(2-Chloroethoxy)methane
Concen: 39.915 ng
RT: 10.363 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion: 93 Resp: 758692

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	10.9	8.7	13.1



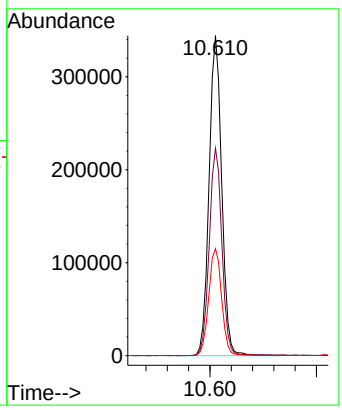


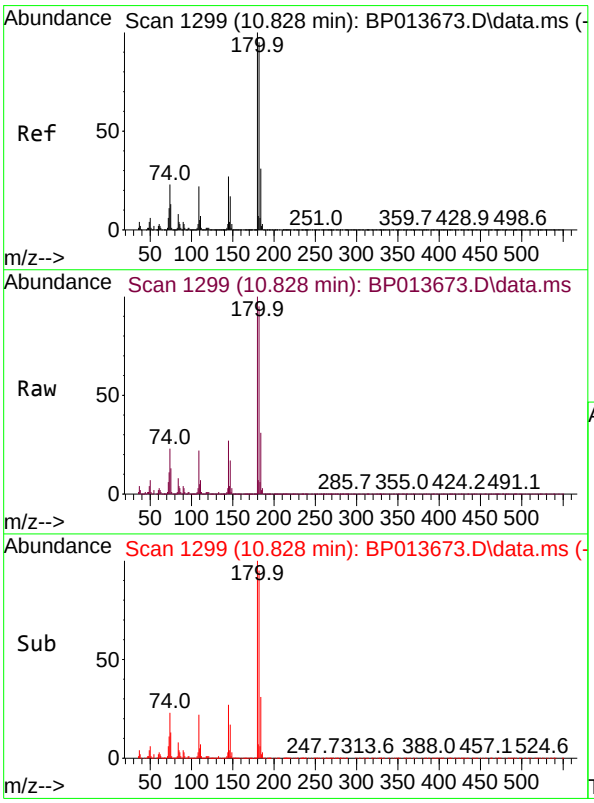
#29
2,4-Dichlorophenol
Concen: 40.748 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 567631

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.8	84.8
98	33.4	13.4	53.4

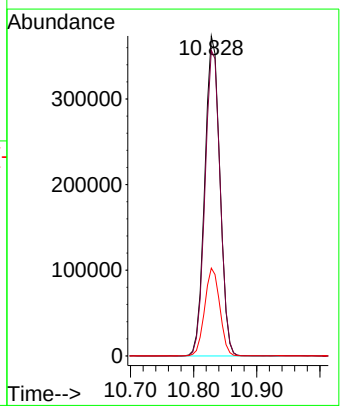


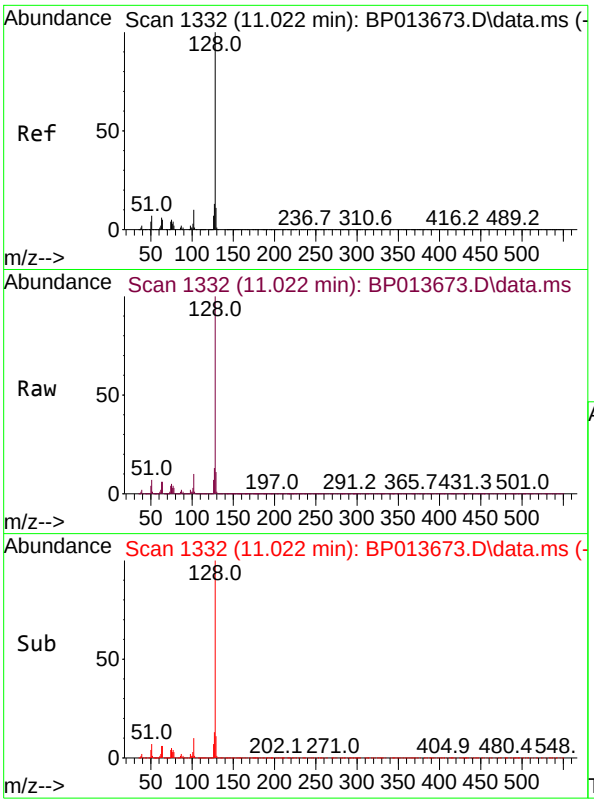


#30
1,2,4-Trichlorobenzene
Concen: 40.042 ng
RT: 10.828 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:180 Resp: 618921

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
145	27.4	21.9	32.9



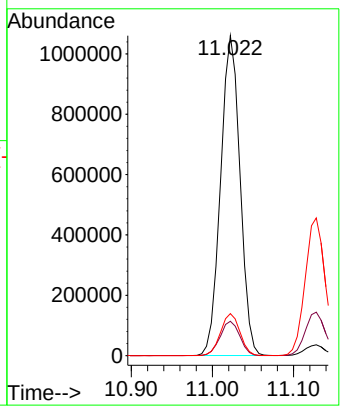


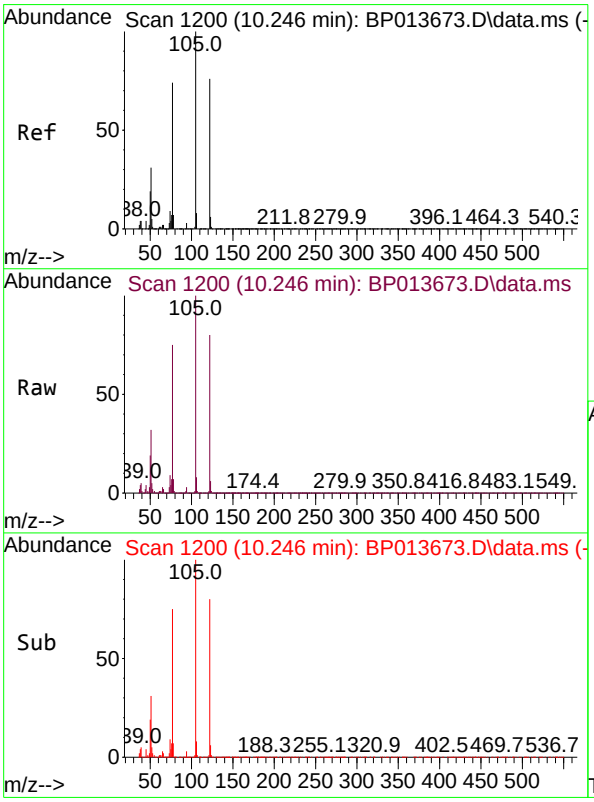
#31
Naphthalene
Concen: 40.303 ng
RT: 11.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1763772

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.1	10.5	15.7

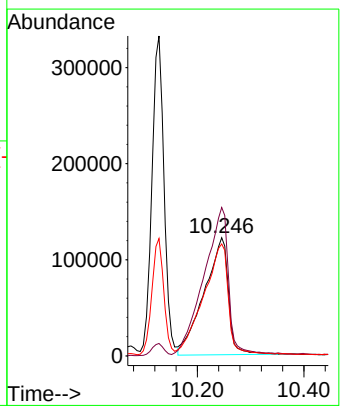


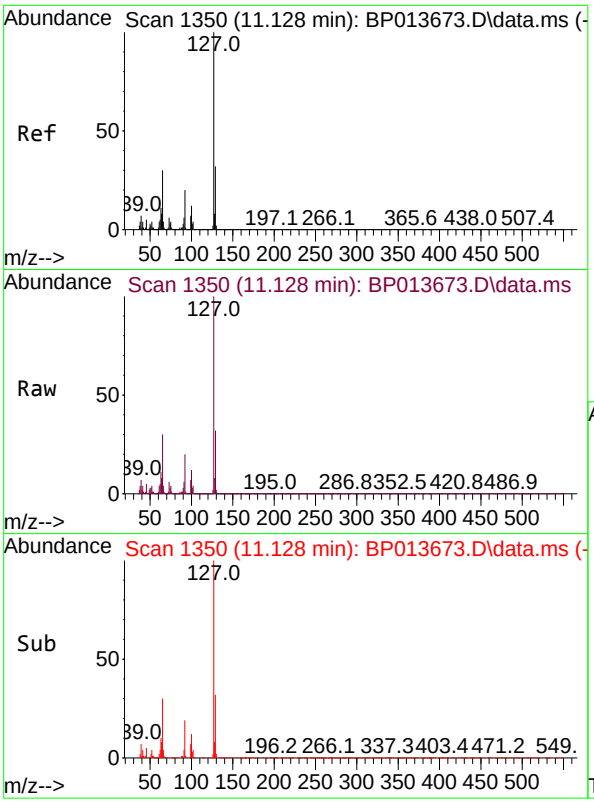


#32
Benzoic acid
Concen: 40.662 ng
RT: 10.246 min Scan# 1200
Delta R.T. -0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:122 Resp: 386879

Ion	Ratio	Lower	Upper
122	100		
105	125.5	105.5	145.5
77	94.7	74.7	114.7



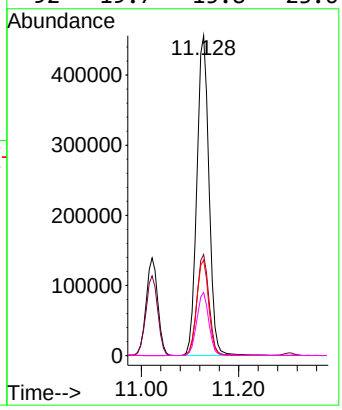


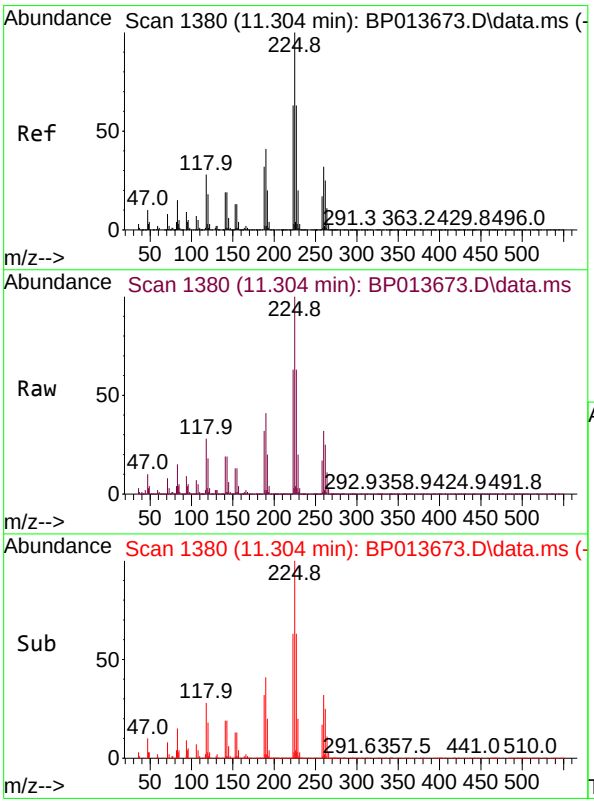
#33
4-Chloroaniline
Concen: 40.889 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 786258

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.3	37.9
65	29.8	23.8	35.8
92	19.7	15.8	23.6

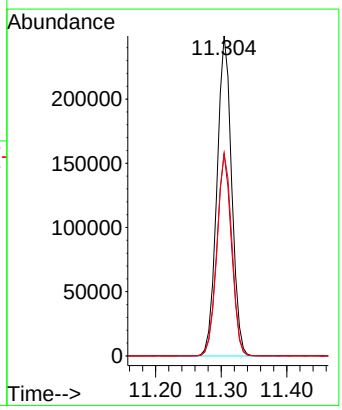


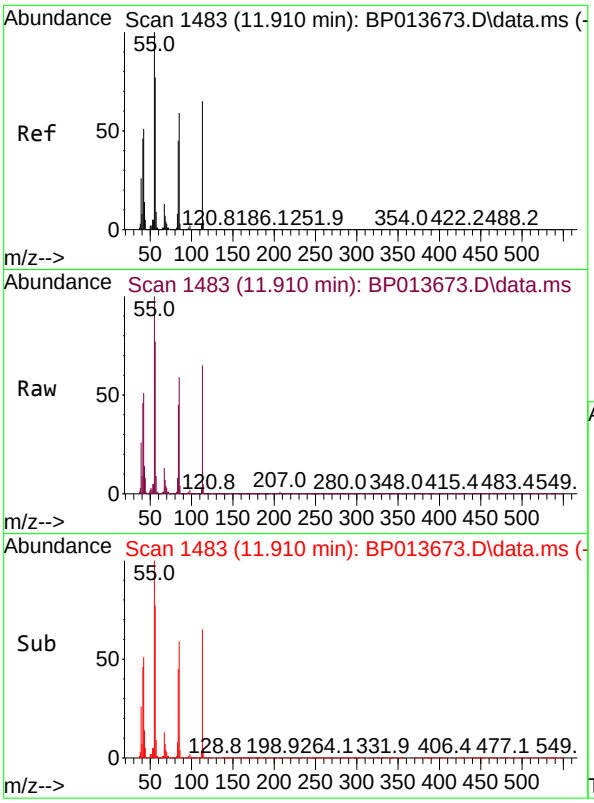


#34
Hexachlorobutadiene
Concen: 39.594 ng
RT: 11.304 min Scan# 1380
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:225 Resp: 388480

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.5	75.7
227	63.2	50.6	75.8



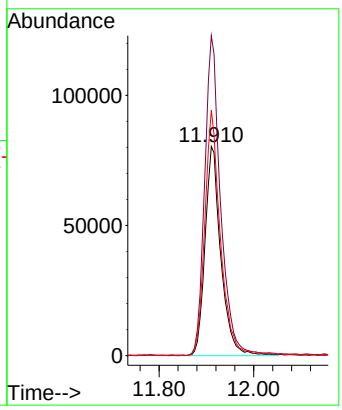


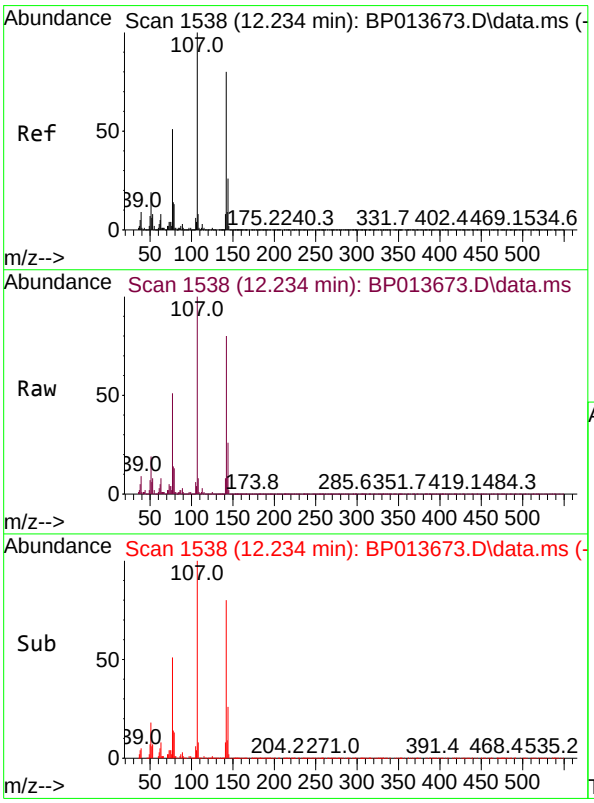
#35
Caprolactam
Concen: 40.797 ng
RT: 11.910 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 185916

Ion	Ratio	Lower	Upper
113	100		
55	153.0	133.0	173.0
56	117.4	97.4	137.4

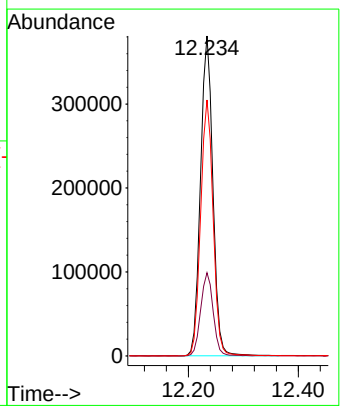


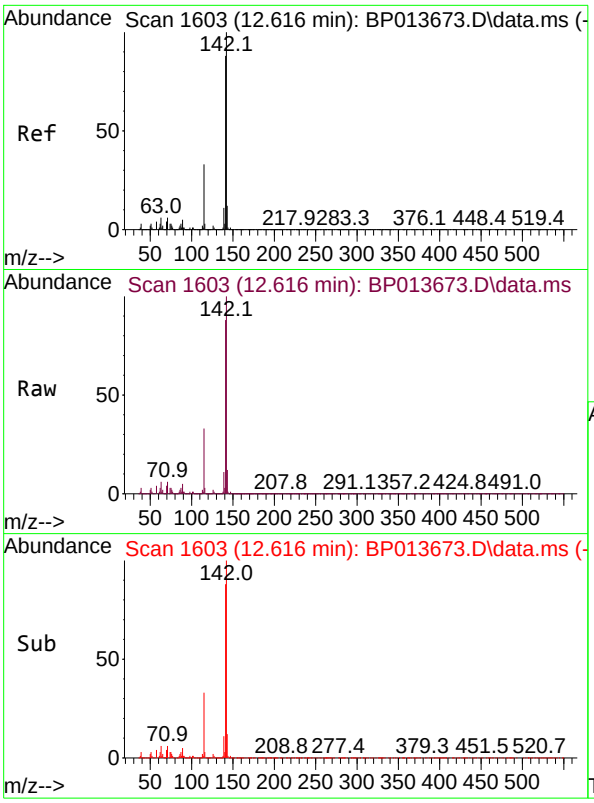


#36
4-Chloro-3-methylphenol
Concen: 40.649 ng
RT: 12.234 min Scan# 1538
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:107 Resp: 595647

Ion	Ratio	Lower	Upper
107	100		
144	26.0	20.8	31.2
142	80.0	64.0	96.0



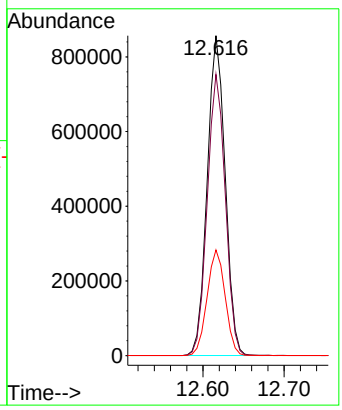


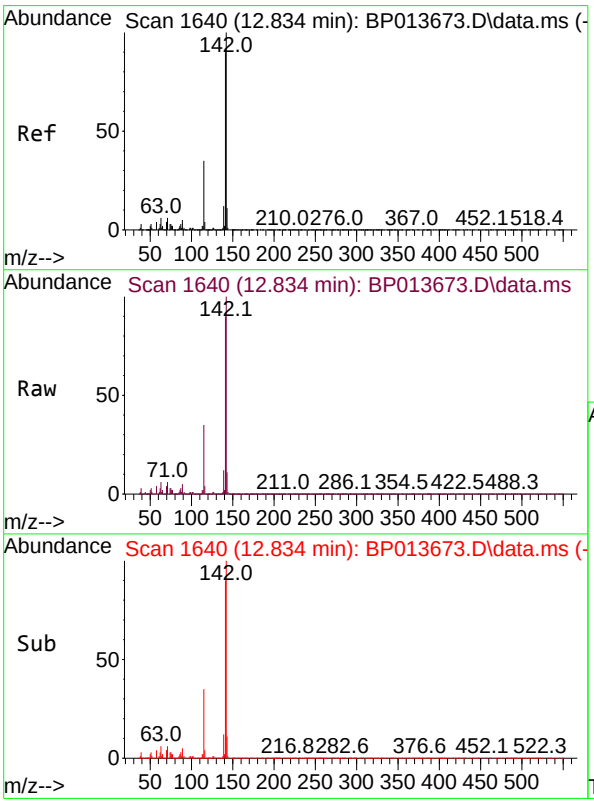
#37
2-Methylnaphthalene
Concen: 40.088 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1319106

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.3	105.5
115	33.0	26.4	39.6

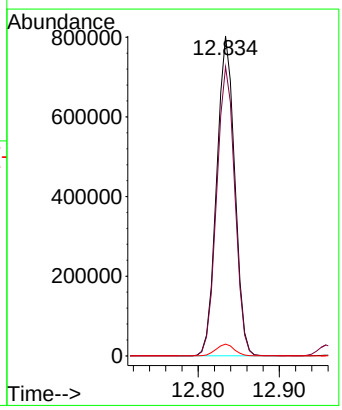


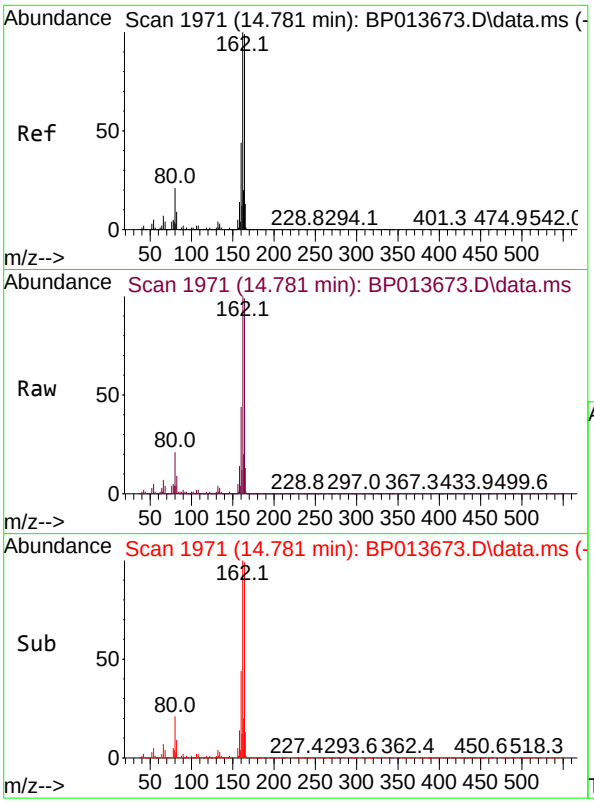


#38
1-Methylnaphthalene
Concen: 39.991 ng
RT: 12.834 min Scan# 1640
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:142 Resp: 1236119

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.4
116	3.7	3.0	4.4



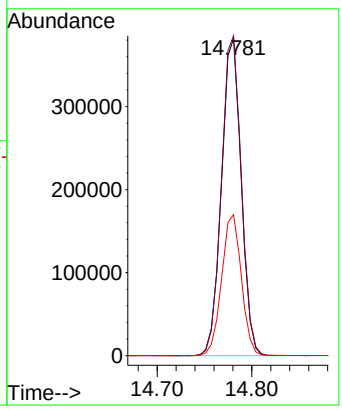


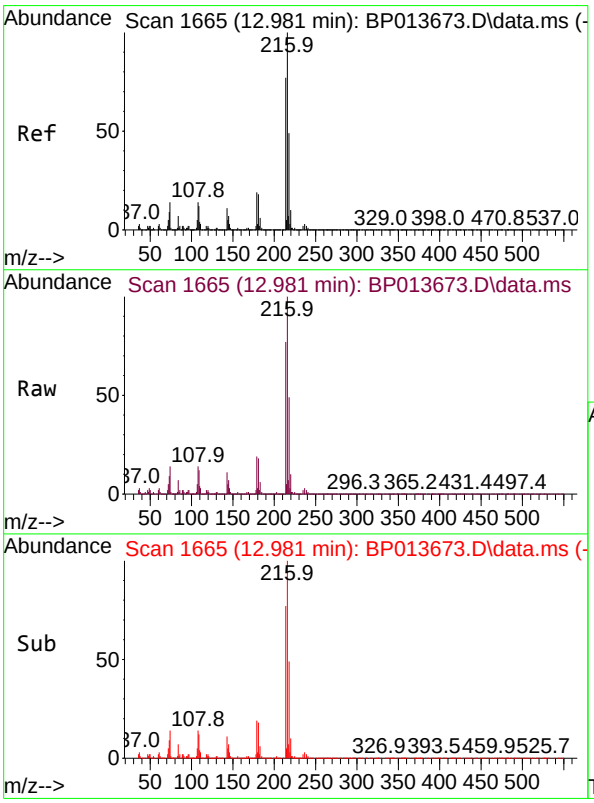
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.781 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 549003

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.8	121.2
160	44.5	35.6	53.4

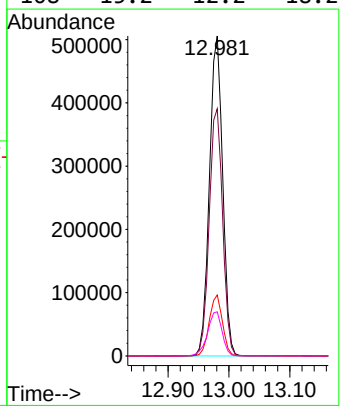


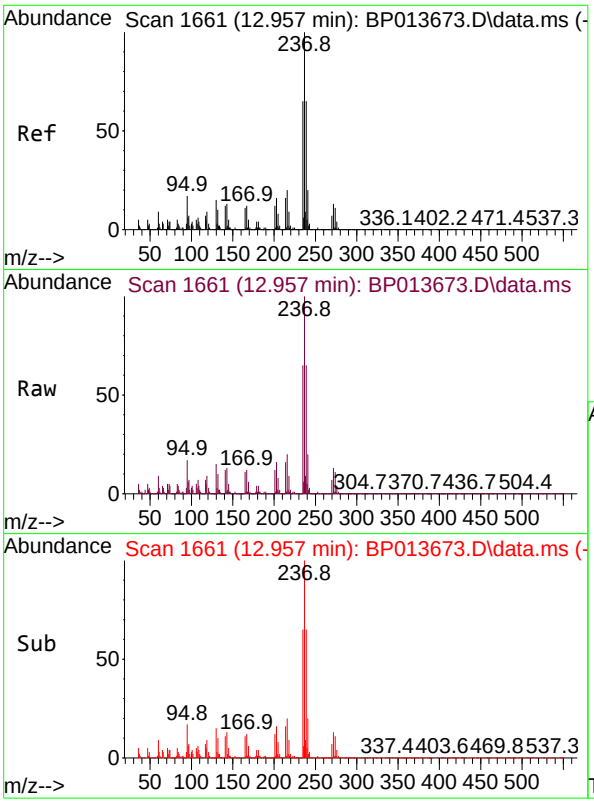


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.736 ng
RT: 12.981 min Scan# 1665
Delta R.T. -0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:216 Resp: 763524

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	94.0
179	19.0	15.2	22.8
108	15.2	12.2	18.2



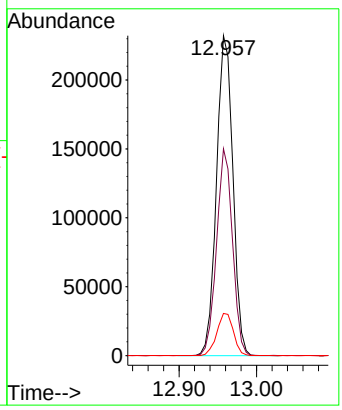


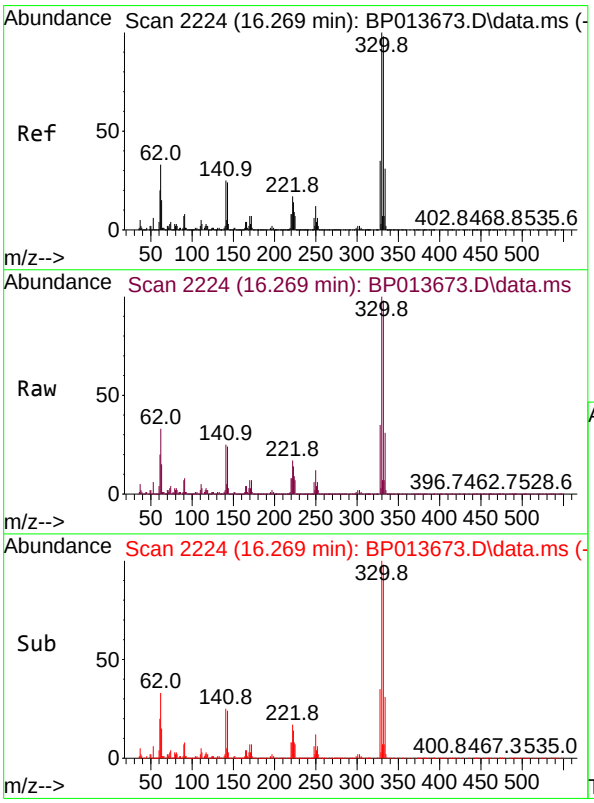
#41
Hexachlorocyclopentadiene
Concen: 39.856 ng
RT: 12.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 340961

Ion	Ratio	Lower	Upper
237	100		
235	64.6	44.6	84.6
272	13.2	0.0	33.2

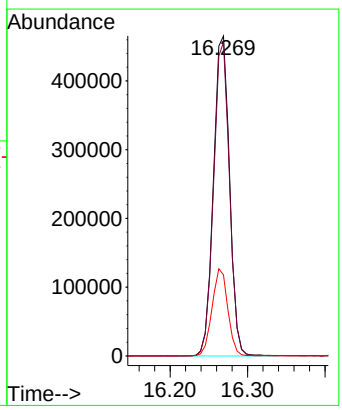


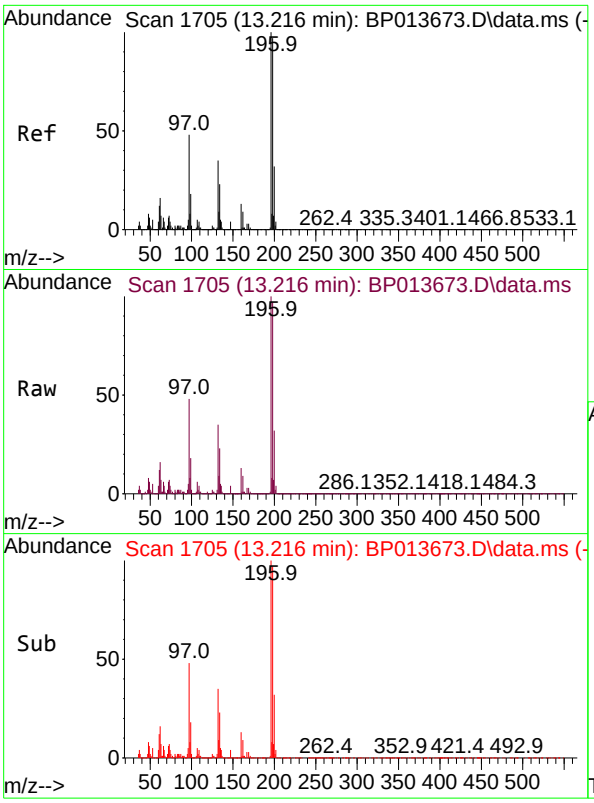


#42
2,4,6-Tribromophenol
Concen: 81.537 ng
RT: 16.269 min Scan# 2224
Delta R.T. -0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:330 Resp: 671410

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	26.6	21.3	31.9



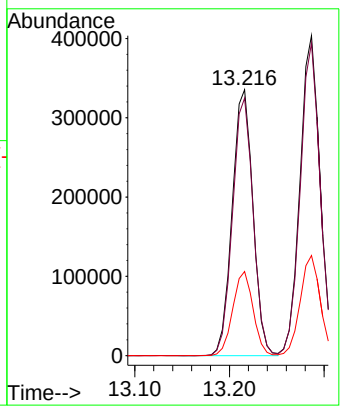


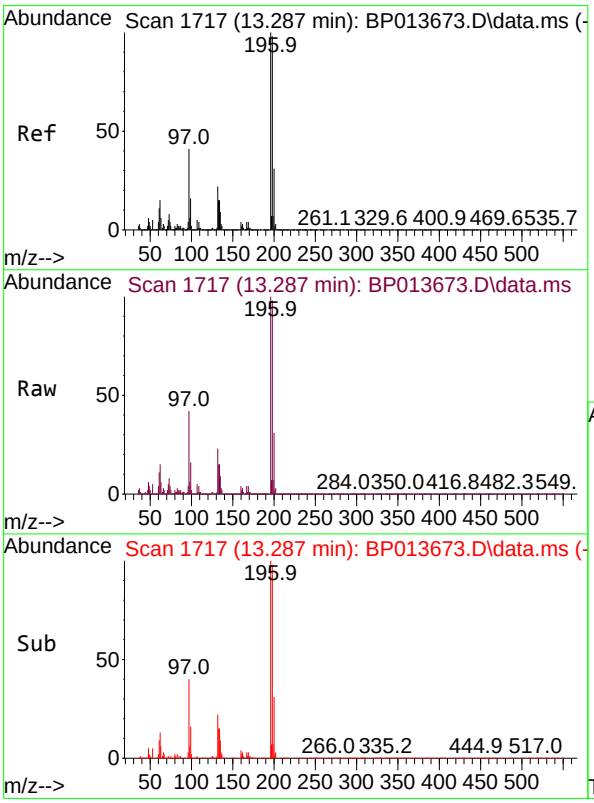
#43
2,4,6-Trichlorophenol
Concen: 41.429 ng
RT: 13.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 511316

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.5	116.3
200	31.6	25.3	37.9

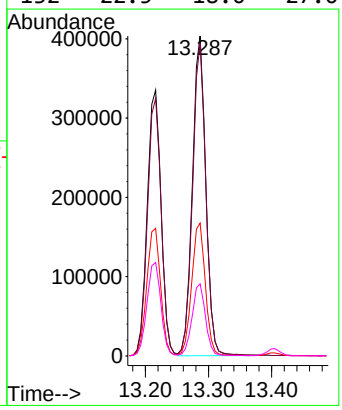


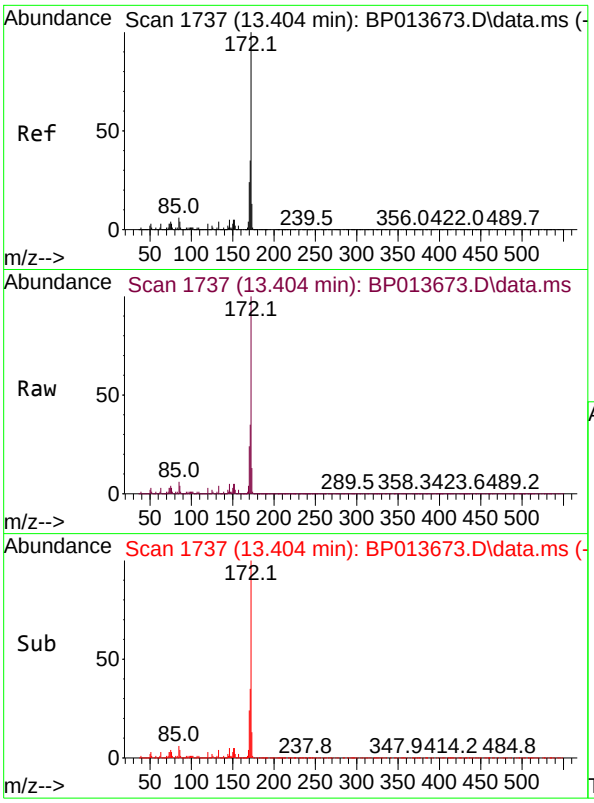


#44
2,4,5-Trichlorophenol
Concen: 41.290 ng
RT: 13.287 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:196 Resp: 596651

Ion	Ratio	Lower	Upper
196	100		
198	97.7	78.2	117.2
97	41.5	33.2	49.8
132	22.5	18.0	27.0



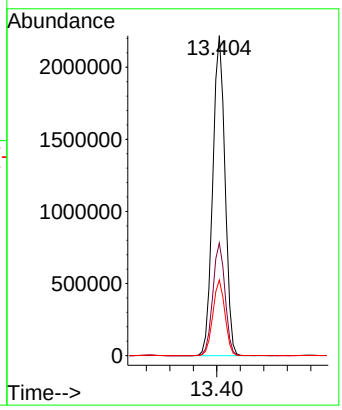


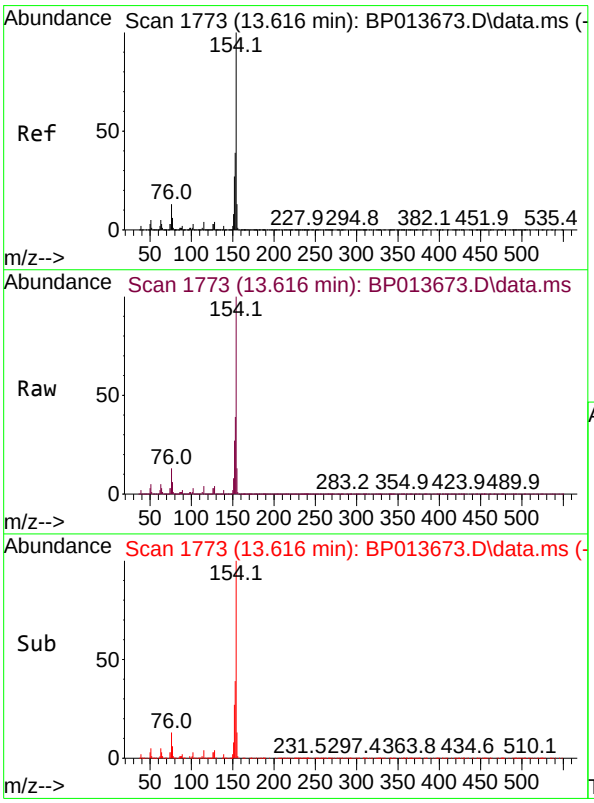
#45
2-Fluorobiphenyl
Concen: 81.627 ng
RT: 13.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 3202615

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	23.7	19.0	28.4

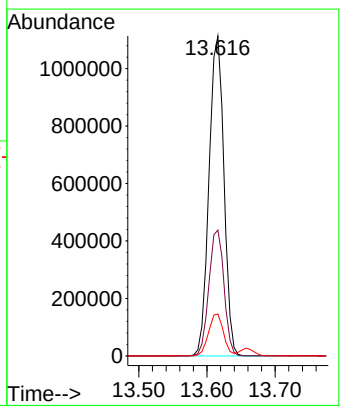


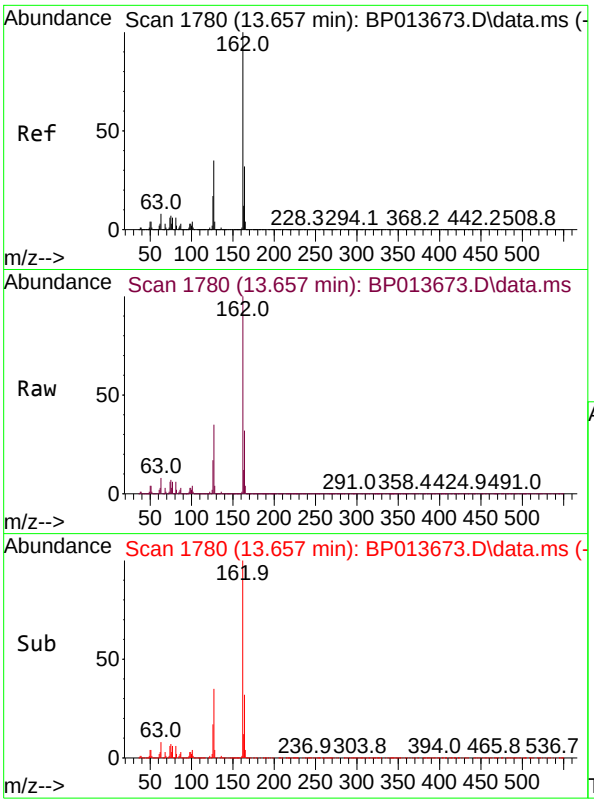


#46
1,1'-Biphenyl
Concen: 40.672 ng
RT: 13.616 min Scan# 1773
Delta R.T. -0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:154 Resp: 1689729

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.3	59.3
76	13.1	0.0	33.1



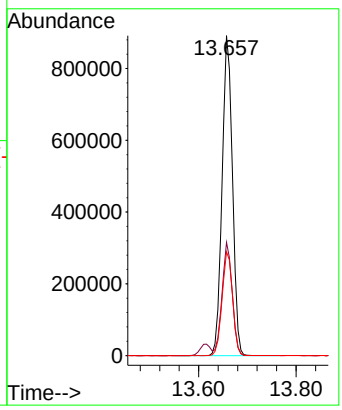


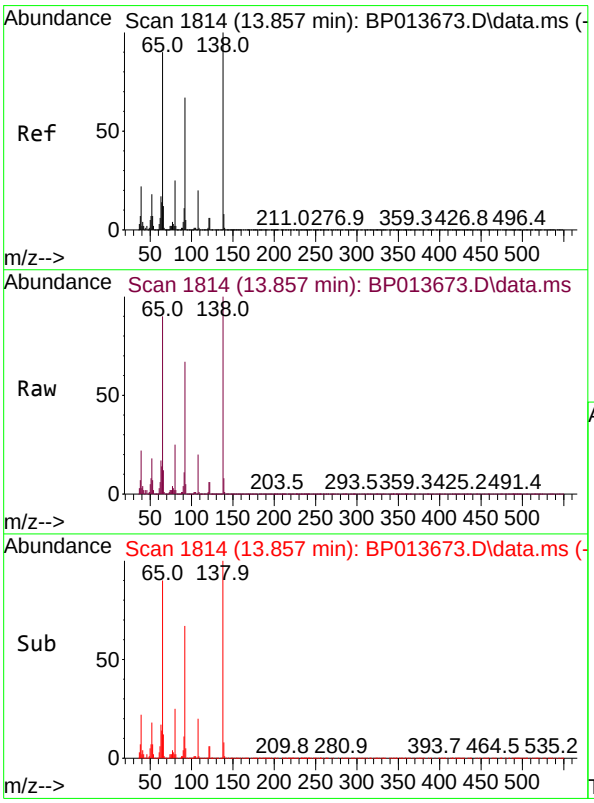
#47
2-Chloronaphthalene
Concen: 40.725 ng
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1307801

Ion	Ratio	Lower	Upper
162	100		
127	35.4	28.3	42.5
164	32.4	25.9	38.9

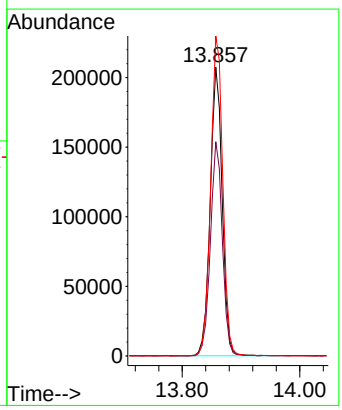


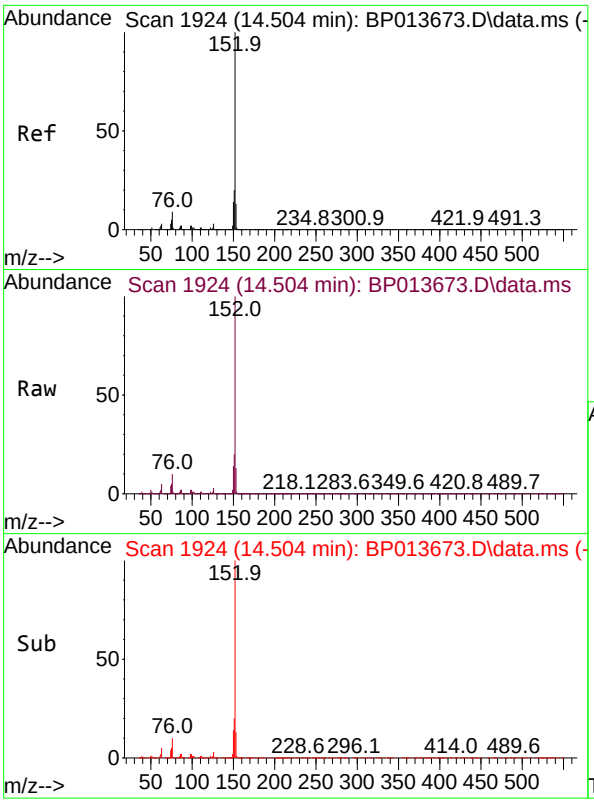


#48
2-Nitroaniline
Concen: 42.788 ng
RT: 13.857 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion: 65 Resp: 293611

Ion	Ratio	Lower	Upper
65	100		
92	74.2	59.4	89.0
138	110.8	88.6	133.0



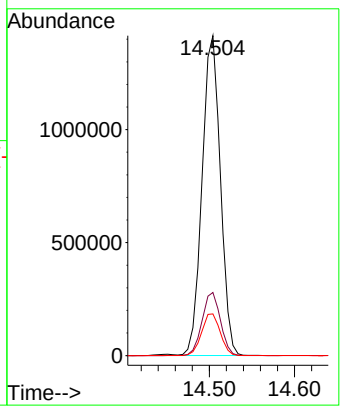


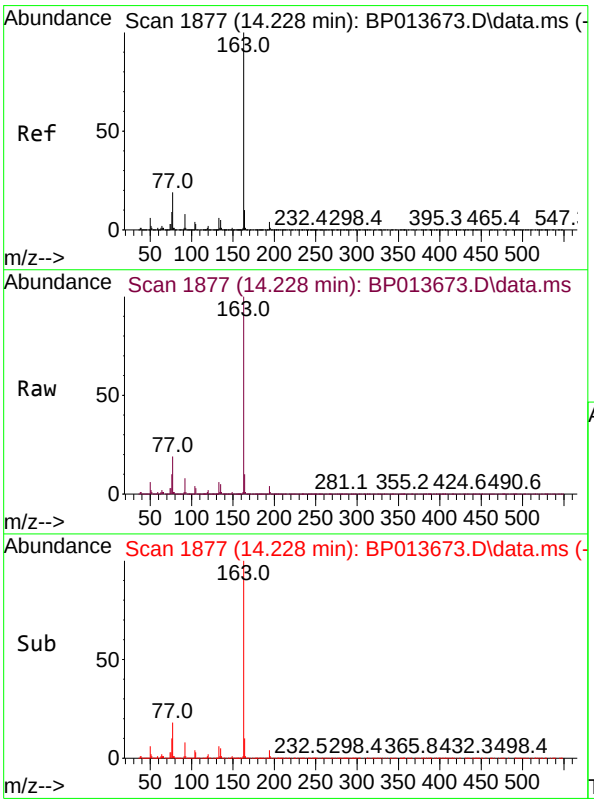
#49
Acenaphthylene
Concen: 40.750 ng
RT: 14.504 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2110366

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.0	10.4	15.6

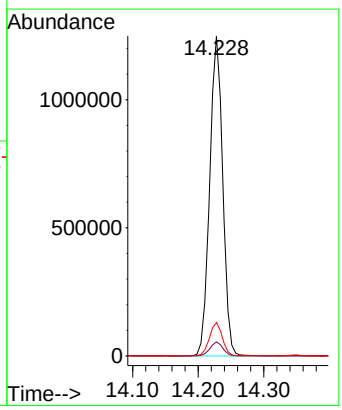


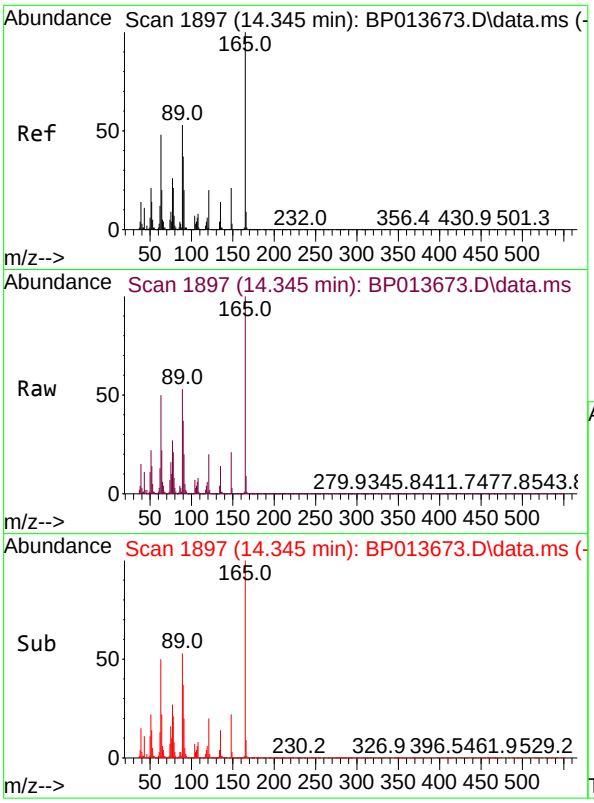


#50
Dimethylphthalate
Concen: 40.585 ng
RT: 14.228 min Scan# 1877
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:163 Resp: 1723395

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.5	8.4	12.6



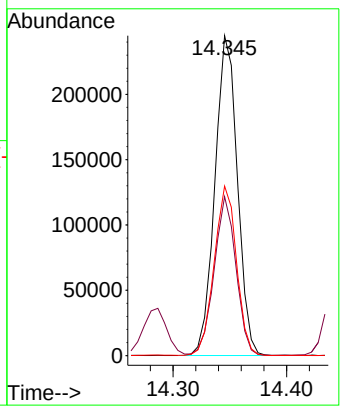


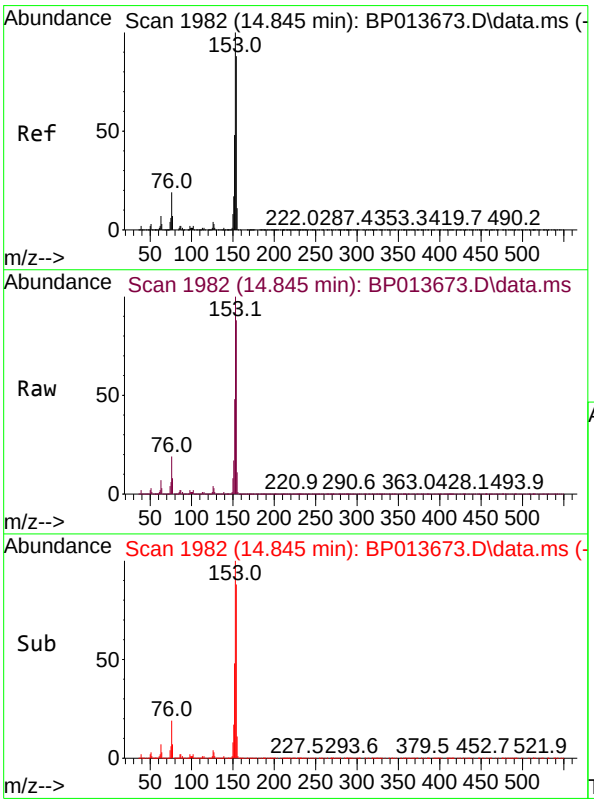
#51
2,6-Dinitrotoluene
Concen: 44.275 ng
RT: 14.345 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 336022

Ion	Ratio	Lower	Upper
165	100		
63	49.7	39.8	59.6
89	53.0	42.4	63.6

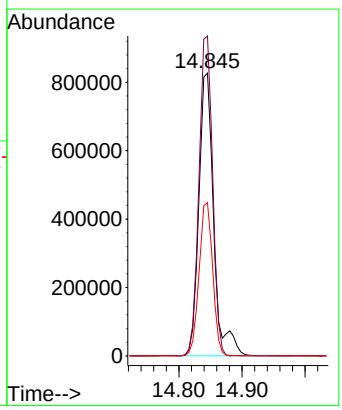


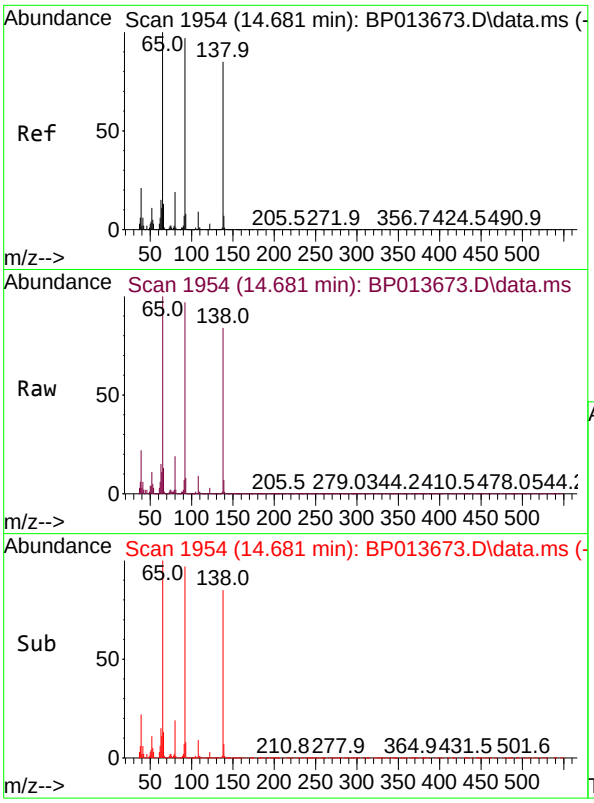


#52
Acenaphthene
Concen: 41.655 ng
RT: 14.845 min Scan# 1982
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:154 Resp: 1345553

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.6	135.8
152	54.2	43.4	65.0



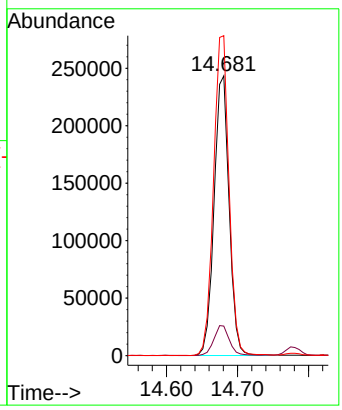


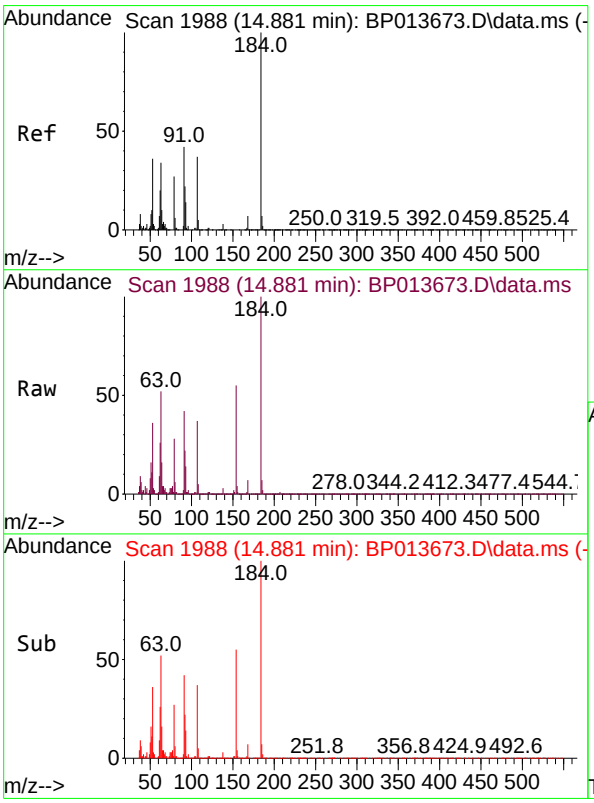
#53
3-Nitroaniline
Concen: 43.376 ng
RT: 14.681 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 359021

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.5	12.7
92	114.4	91.5	137.3

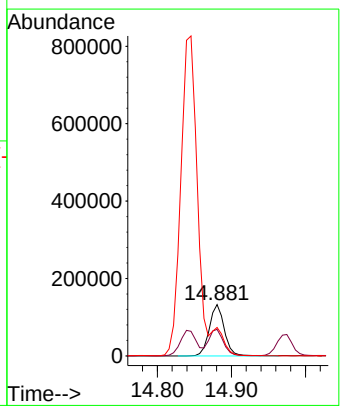


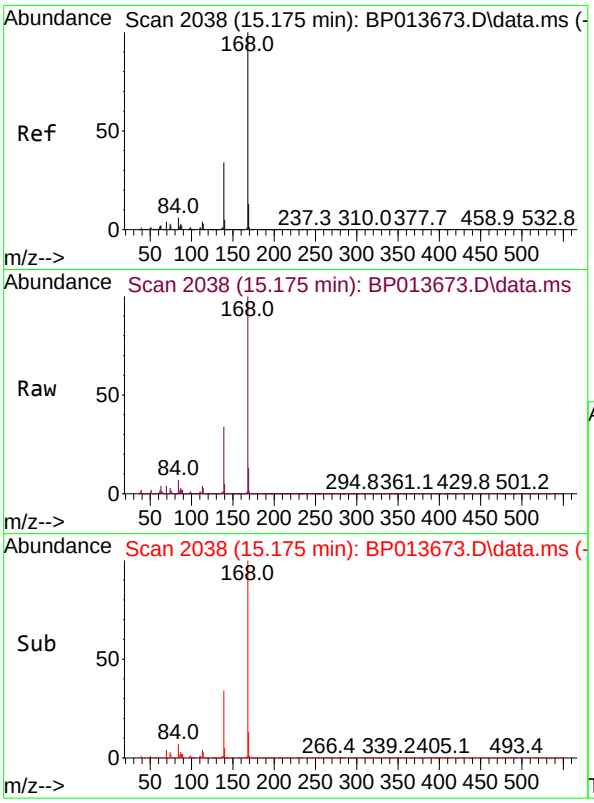


#54
2,4-Dinitrophenol
Concen: 40.138 ng
RT: 14.881 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:184 Resp: 185402

Ion	Ratio	Lower	Upper
184	100		
63	51.7	41.4	62.0
154	55.4	44.3	66.5



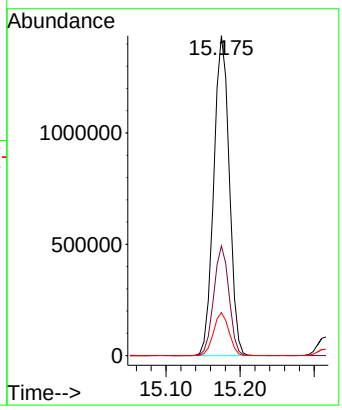


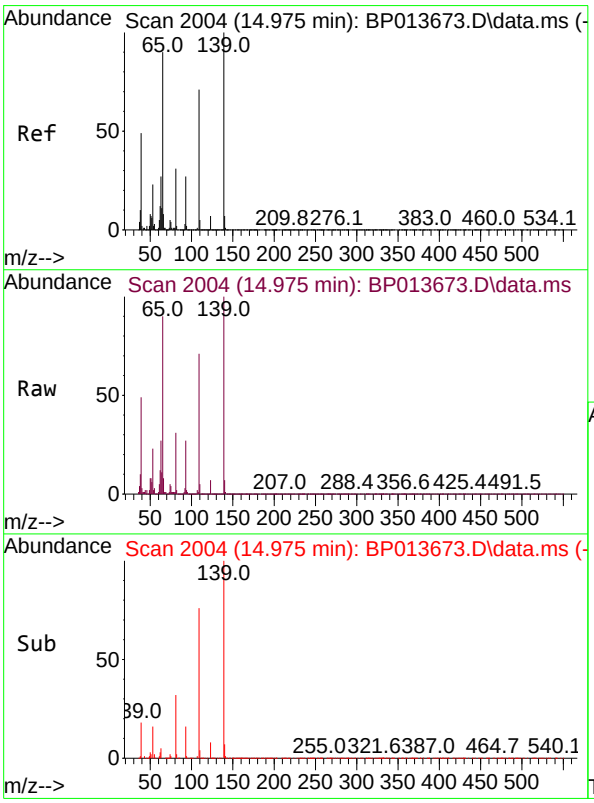
#55
Dibenzofuran
Concen: 40.044 ng
RT: 15.175 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2089455

Ion	Ratio	Lower	Upper
168	100		
139	34.3	27.4	41.2
169	13.4	10.7	16.1

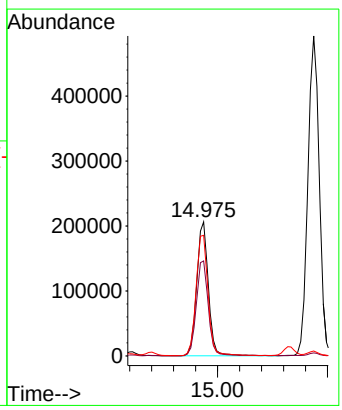


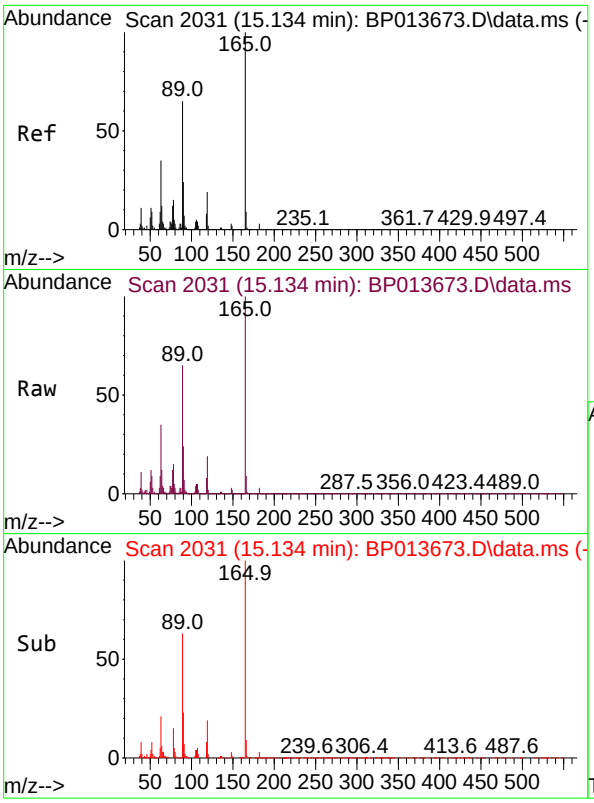


#56
4-Nitrophenol
Concen: 41.089 ng
RT: 14.975 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:139 Resp: 302516

Ion	Ratio	Lower	Upper
139	100		
109	70.9	50.9	90.9
65	90.0	70.0	110.0



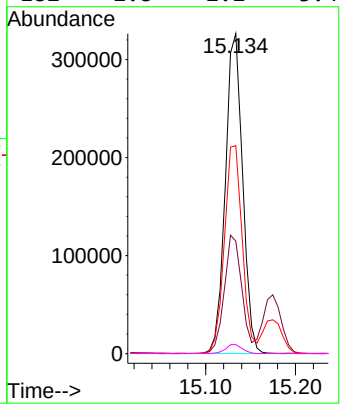


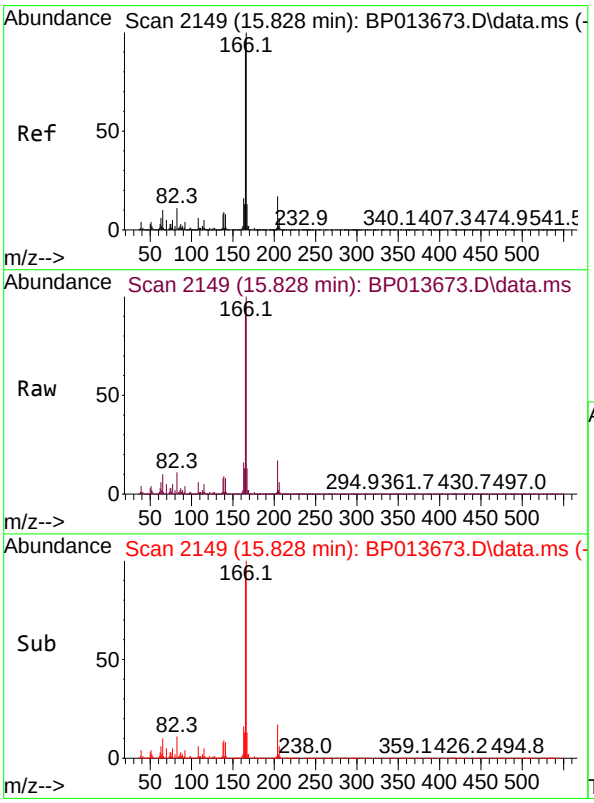
#57
2,4-Dinitrotoluene
Concen: 44.103 ng
RT: 15.134 min Scan# 20
Delta R.T. -0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 439259

Ion	Ratio	Lower	Upper
165	100		
63	35.1	28.1	42.1
89	65.0	52.0	78.0
182	2.8	2.2	3.4

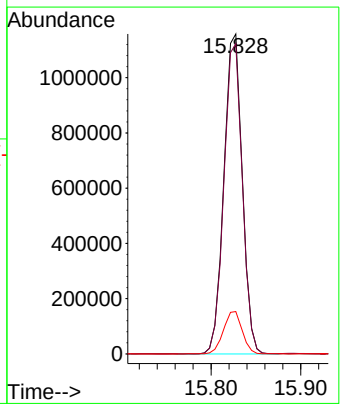


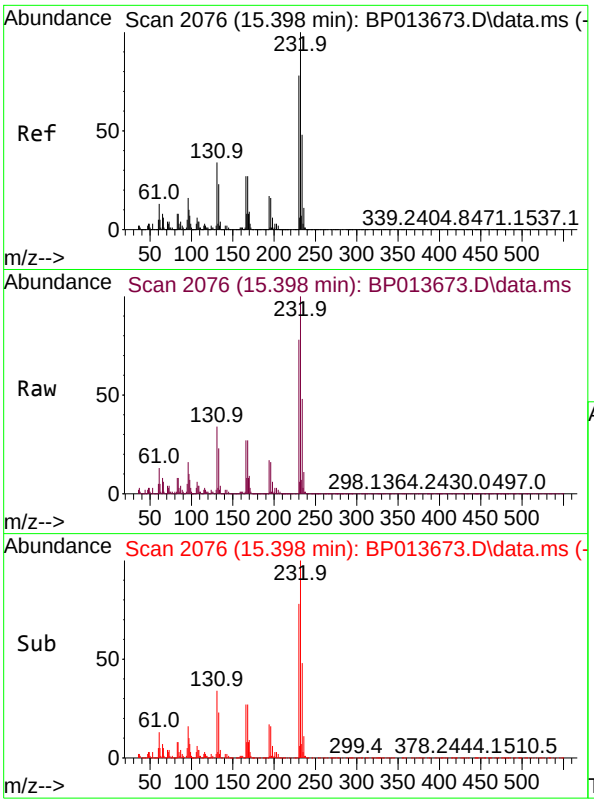


#58
Fluorene
Concen: 40.346 ng
RT: 15.828 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:166 Resp: 1652833

Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.6	116.4
167	13.2	10.6	15.8



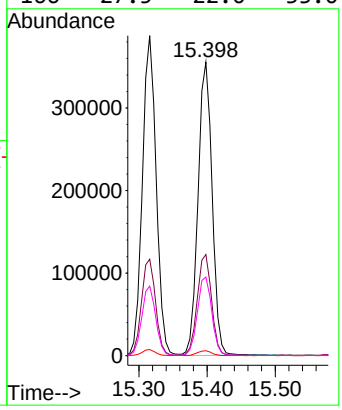


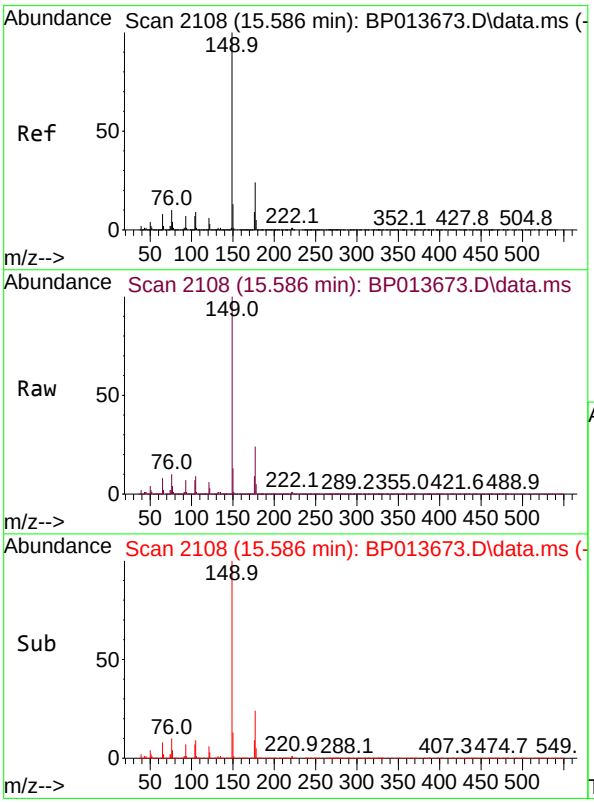
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.762 ng
RT: 15.398 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 512200

Ion	Ratio	Lower	Upper
232	100		
131	34.9	27.9	41.9
130	1.7	1.4	2.0
166	27.5	22.0	33.0

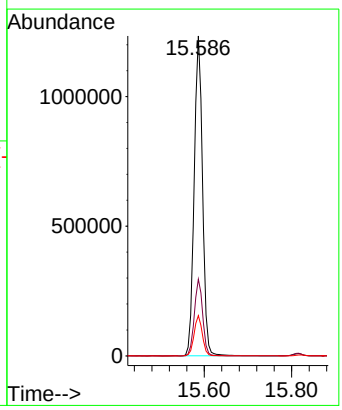


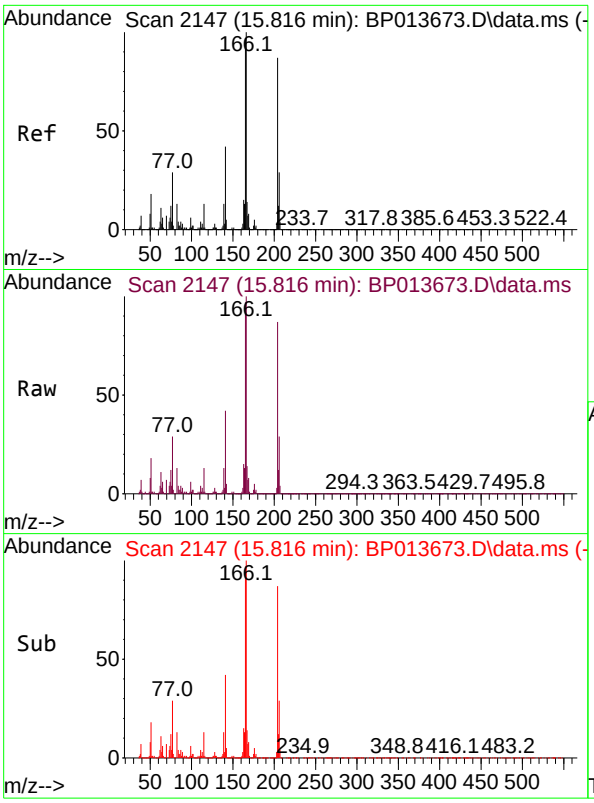


#60
Diethylphthalate
Concen: 40.293 ng
RT: 15.586 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:149 Resp: 1640284

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.2	28.8
150	12.6	10.1	15.1



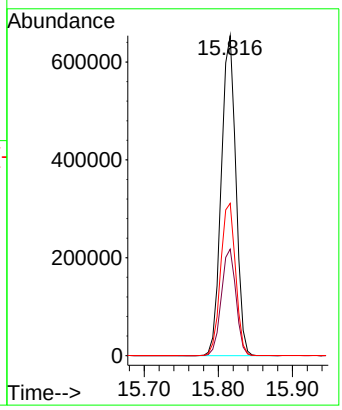


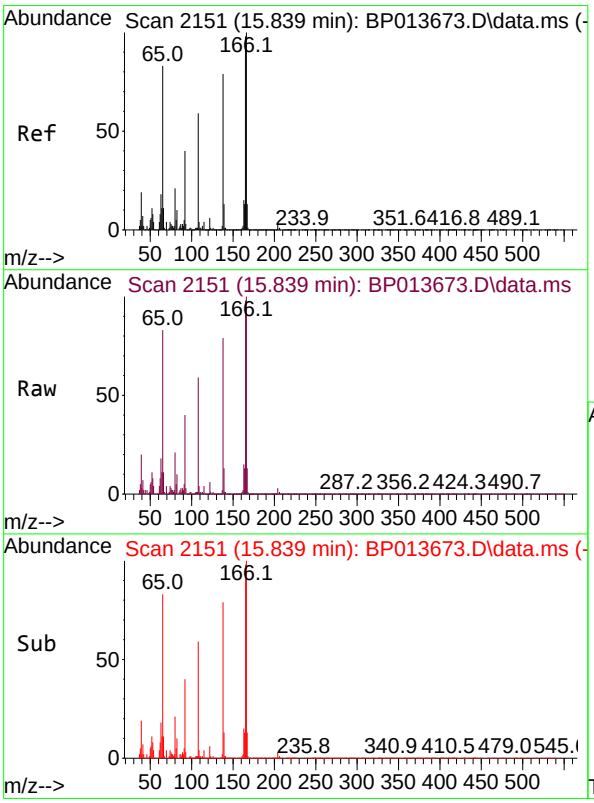
#61
4-Chlorophenyl-phenylether
Concen: 39.994 ng
RT: 15.816 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 892211

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.6	40.0
141	47.6	38.1	57.1

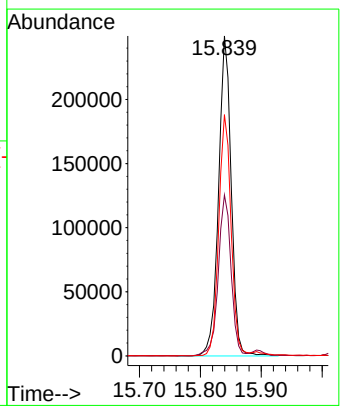


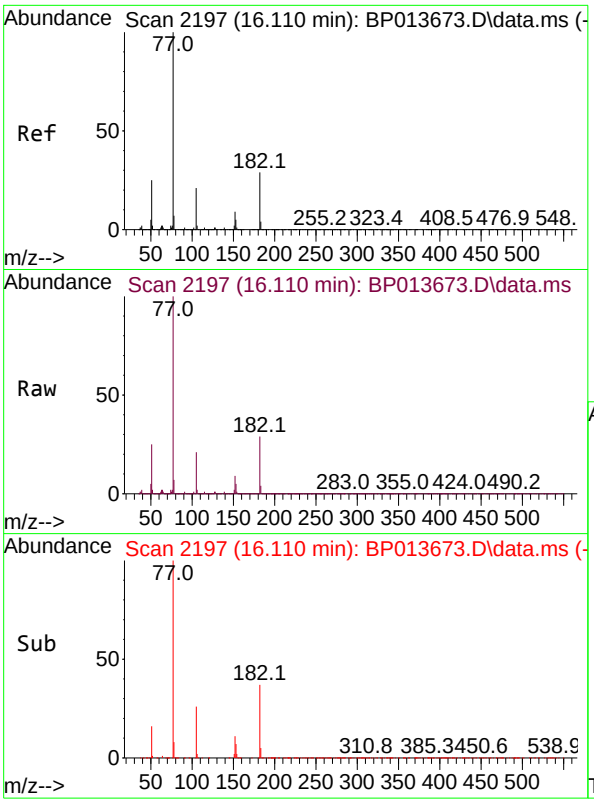


#62
4-Nitroaniline
Concen: 43.886 ng
RT: 15.839 min Scan# 2151
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:138 Resp: 360732

Ion	Ratio	Lower	Upper
138	100		
92	50.3	30.3	70.3
108	75.4	55.4	95.4



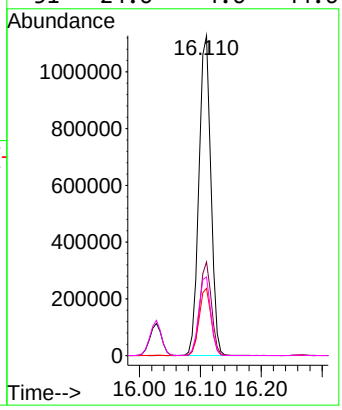


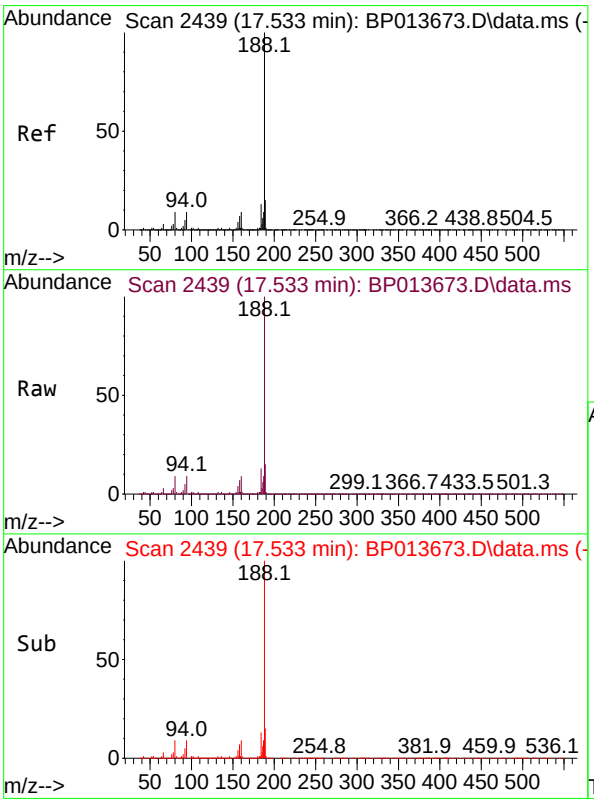
#63
Azobenzene
Concen: 40.739 ng
RT: 16.110 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1531962

Ion	Ratio	Lower	Upper
77	100		
182	29.3	9.3	49.3
105	21.1	1.1	41.1
51	24.6	4.6	44.6

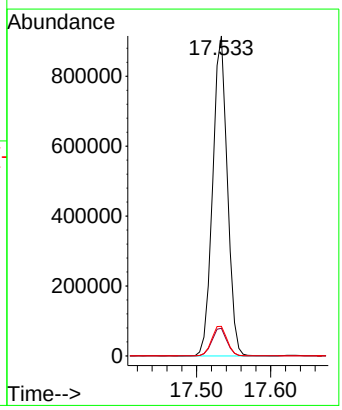


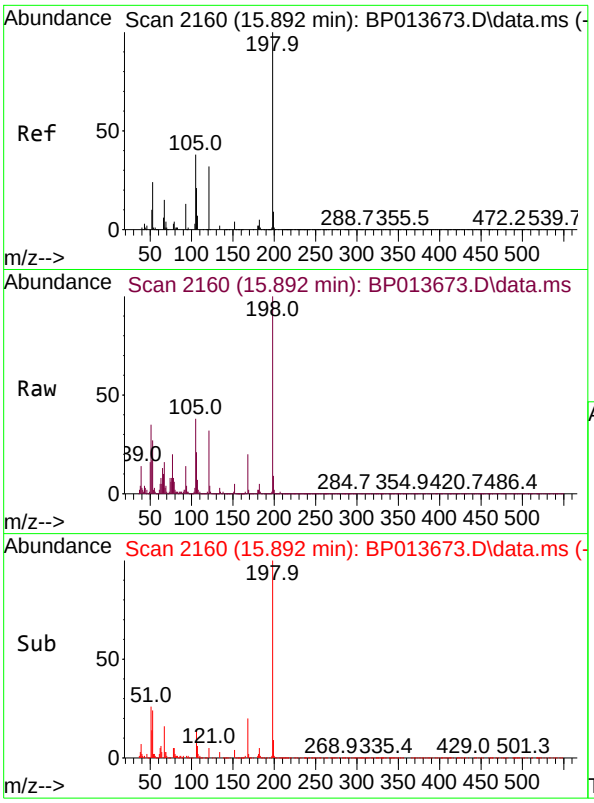


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.533 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:188 Resp: 1258361

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	9.2	7.4	11.0



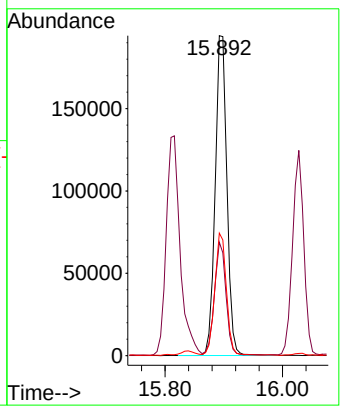


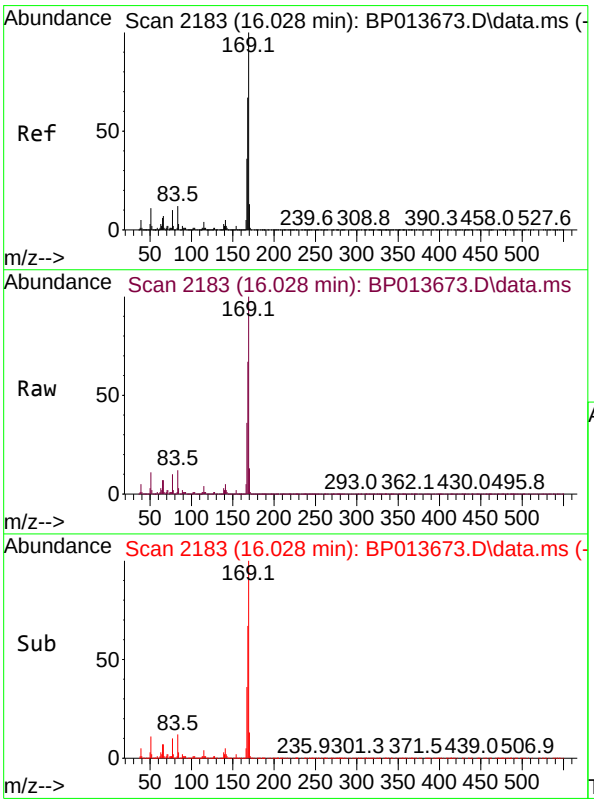
#65
4,6-Dinitro-2-methylphenol
Concen: 40.935 ng
RT: 15.892 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 268458

Ion	Ratio	Lower	Upper
198	100		
51	35.4	15.4	55.4
105	38.3	18.3	58.3

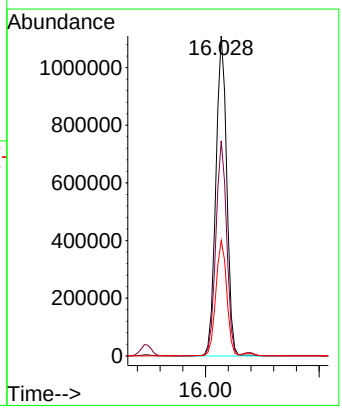


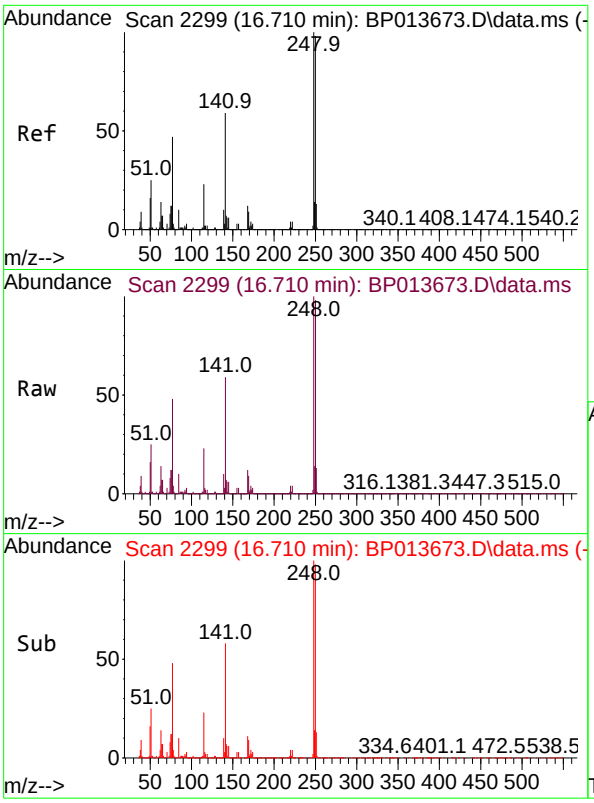


#66
n-Nitrosodiphenylamine
Concen: 40.160 ng
RT: 16.028 min Scan# 2183
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:169 Resp: 1470425

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.8	80.6
167	36.1	28.9	43.3



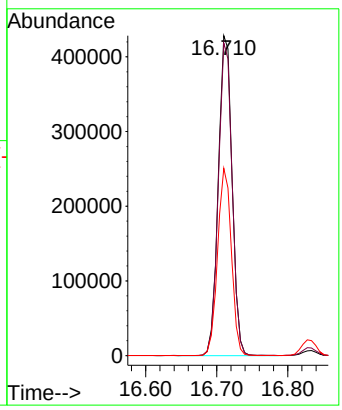


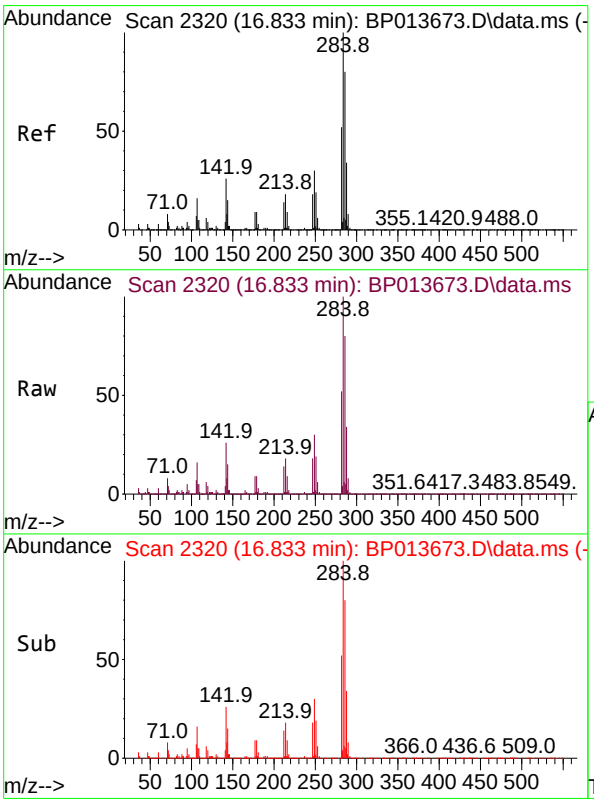
#67
4-Bromophenyl-phenylether
Concen: 40.142 ng
RT: 16.710 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 579044

Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.2	117.2
141	58.5	46.8	70.2

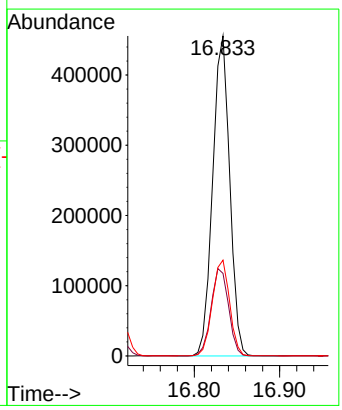


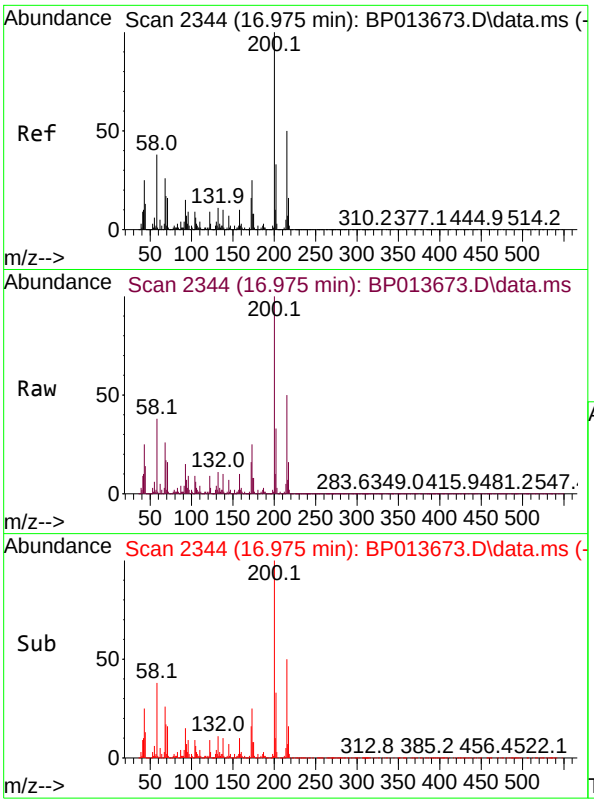


#68
Hexachlorobenzene
Concen: 39.595 ng
RT: 16.833 min Scan# 2320
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:284 Resp: 632460

Ion	Ratio	Lower	Upper
284	100		
142	25.8	20.6	31.0
249	29.9	23.9	35.9



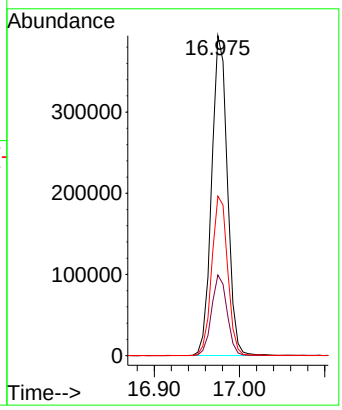


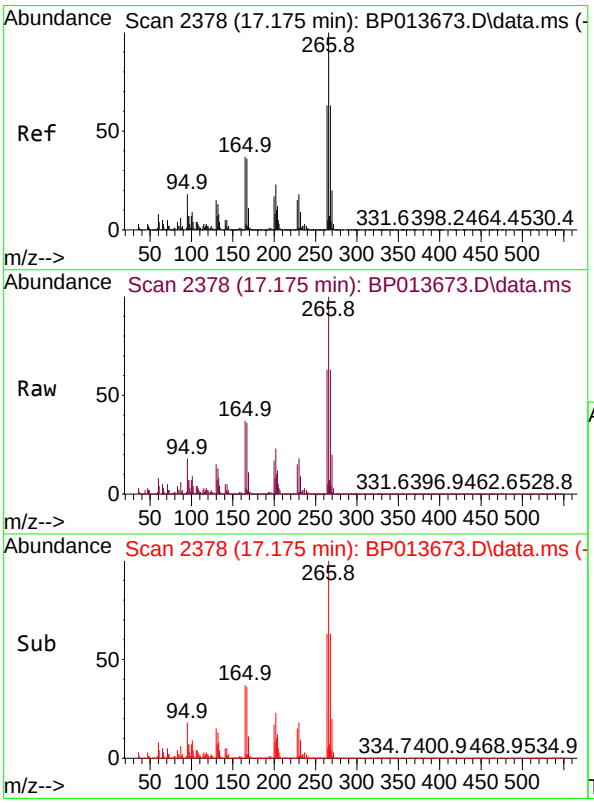
#69
Atrazine
Concen: 42.466 ng
RT: 16.975 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 505947

Ion	Ratio	Lower	Upper
200	100		
173	25.2	5.2	45.2
215	49.8	29.8	69.8

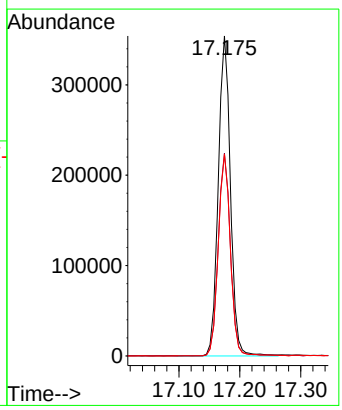


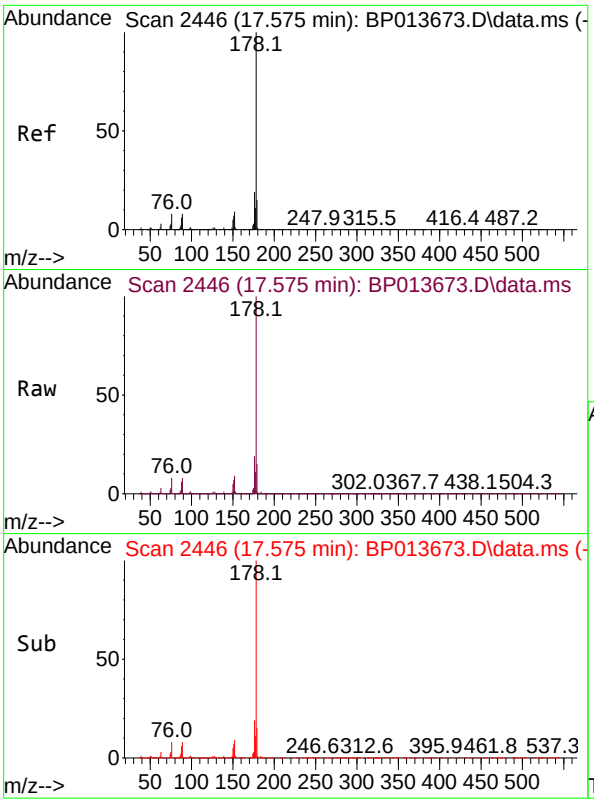


#70
Pentachlorophenol
Concen: 41.689 ng
RT: 17.175 min Scan# 2378
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:266 Resp: 491204

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.7	76.1
264	63.1	50.5	75.7



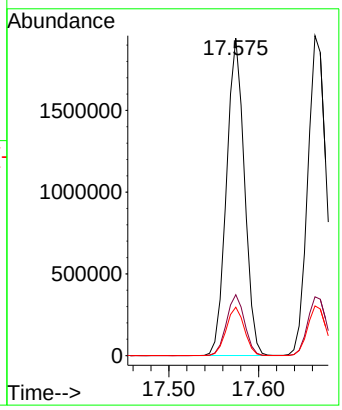


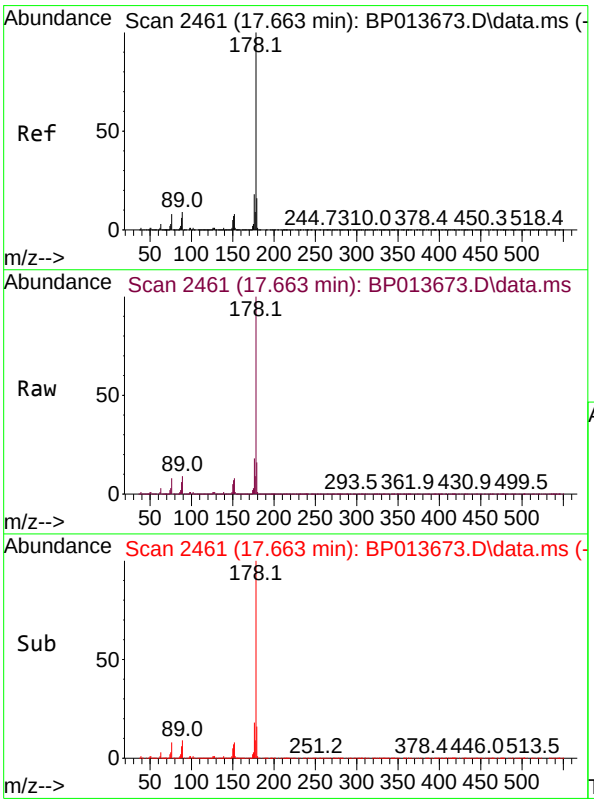
#71
Phenanthrene
Concen: 40.100 ng
RT: 17.575 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2704677

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.2	12.2	18.2

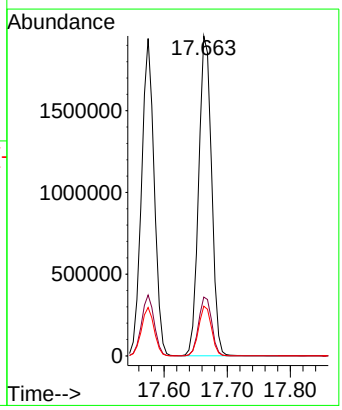


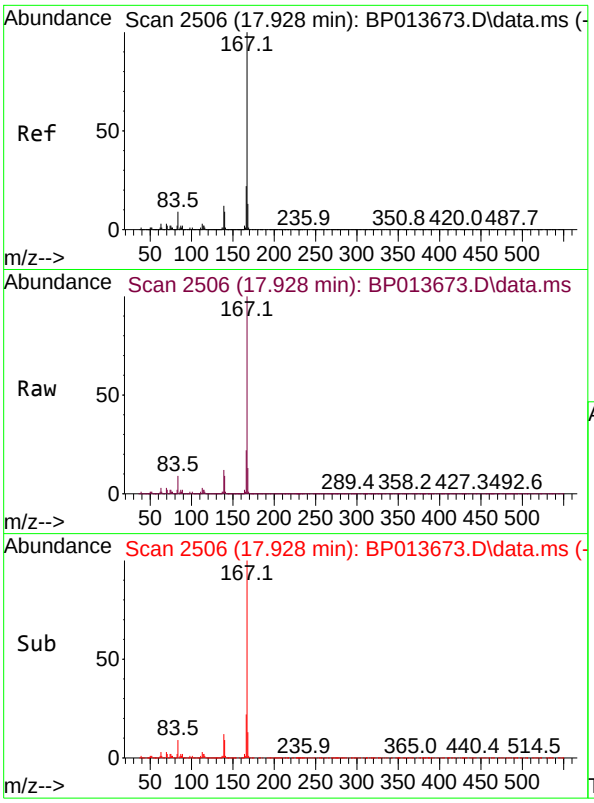


#72
Anthracene
Concen: 40.710 ng
RT: 17.663 min Scan# 2461
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:178 Resp: 2772105

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.5	12.4	18.6



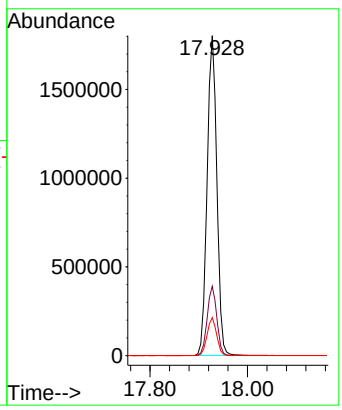


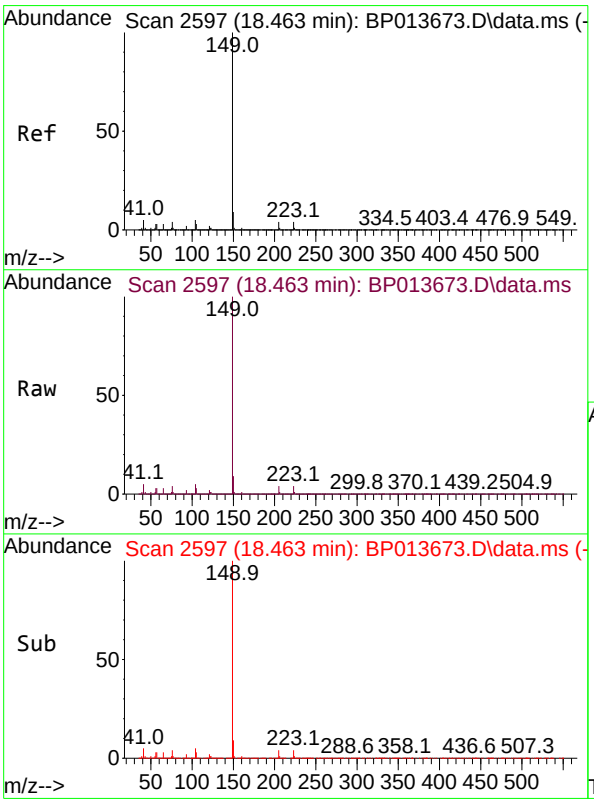
#73
Carbazole
Concen: 40.670 ng
RT: 17.928 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2514663

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.4	26.0
139	11.9	9.5	14.3

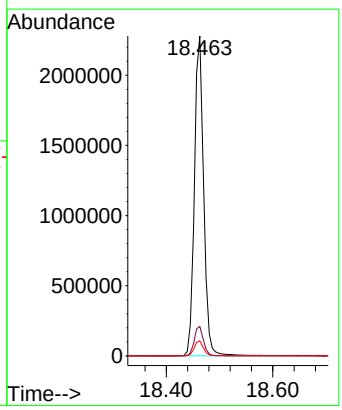


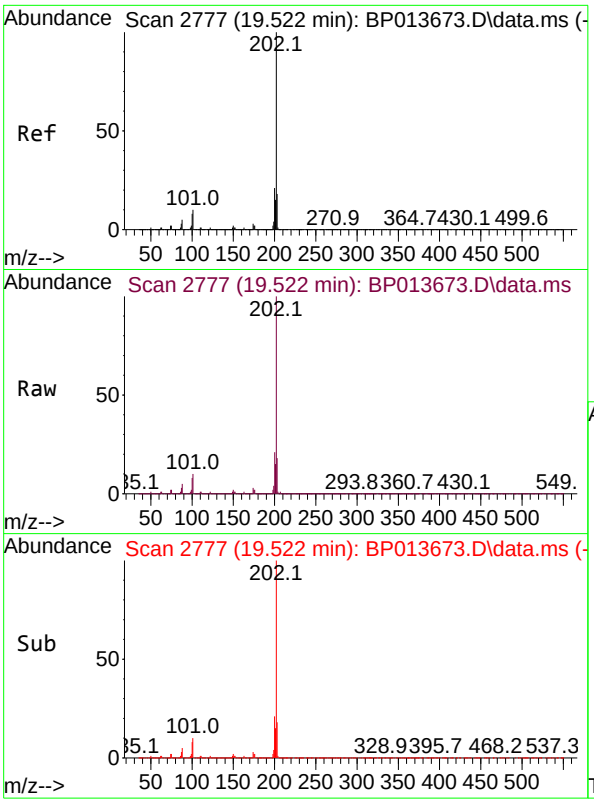


#74
Di-n-butylphthalate
Concen: 40.793 ng
RT: 18.463 min Scan# 2597
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:149 Resp: 2760119

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.7	3.8	5.6



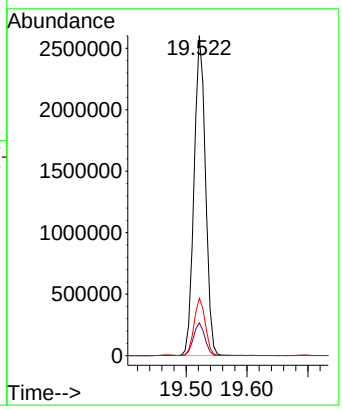


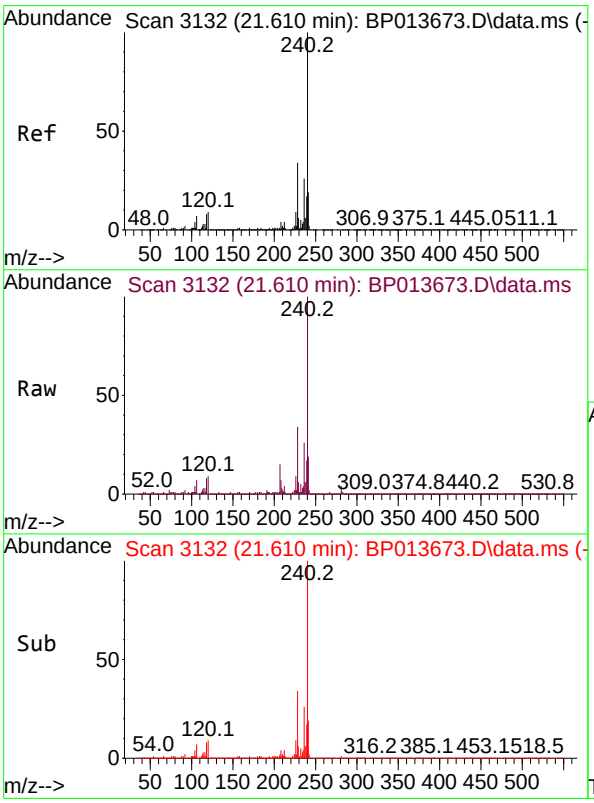
#75
Fluoranthene
Concen: 40.342 ng
RT: 19.522 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 3387517

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.9	0.0	37.9

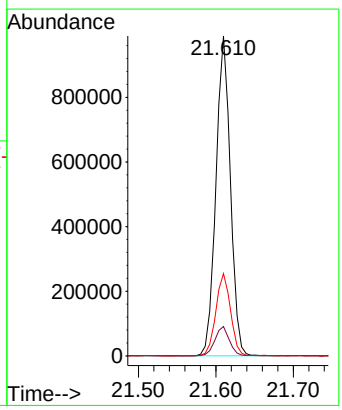


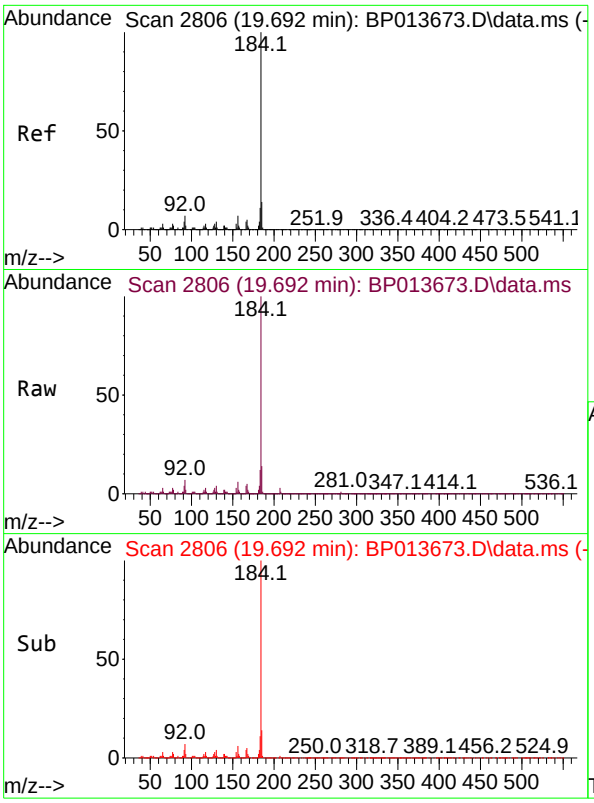


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3132
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:240 Resp: 1280889

Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.4	11.0
236	25.7	20.6	30.8



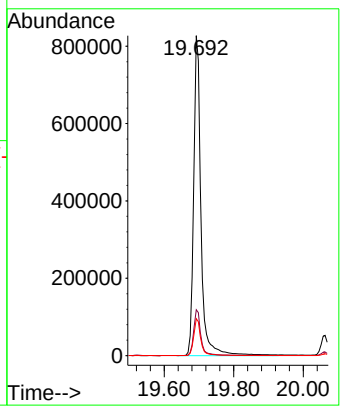


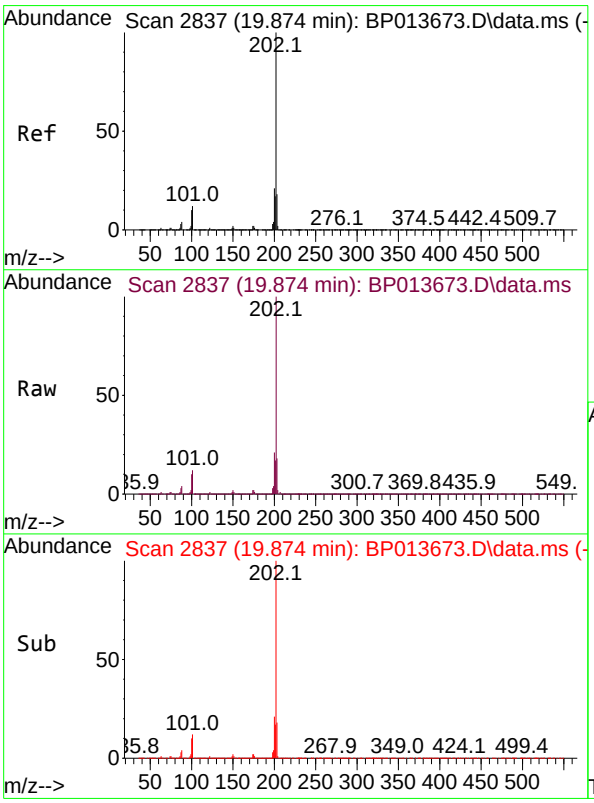
#77
Benzidine
Concen: 43.630 ng
RT: 19.692 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1207090

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.5	9.2	13.8

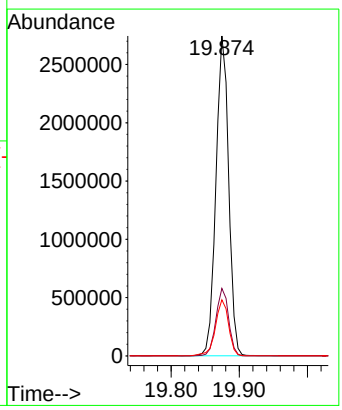


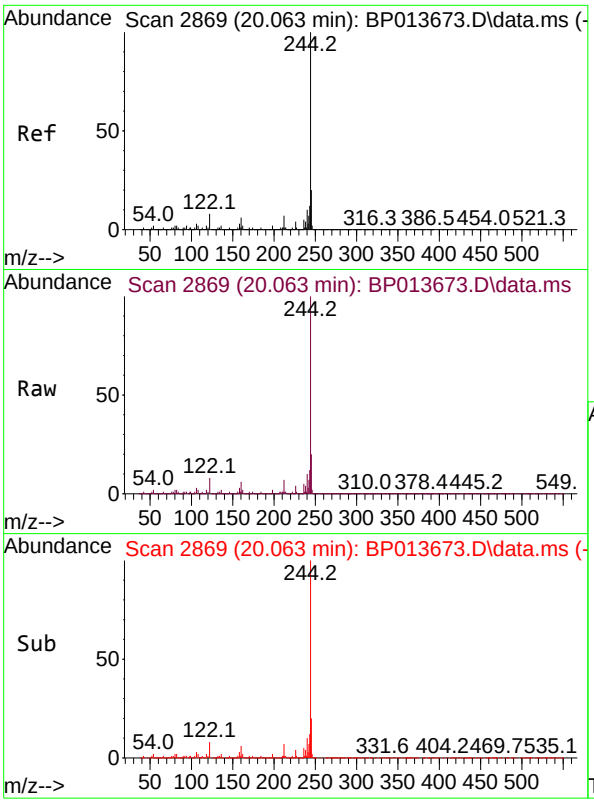


#78
Pyrene
Concen: 40.958 ng
RT: 19.874 min Scan# 2837
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:202 Resp: 3529561

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.5	14.0	21.0



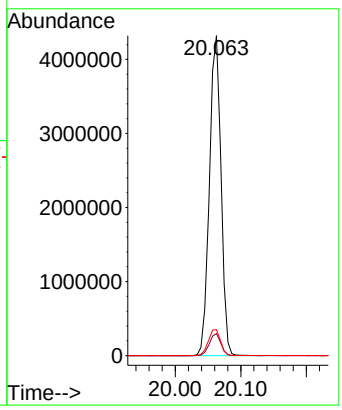


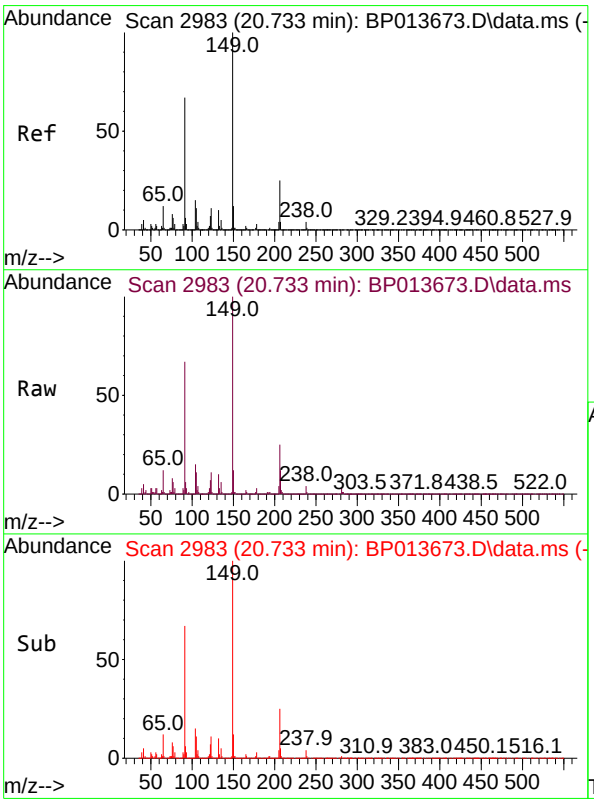
#79
Terphenyl-d14
Concen: 82.120 ng
RT: 20.063 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 5297061

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	8.1	6.5	9.7

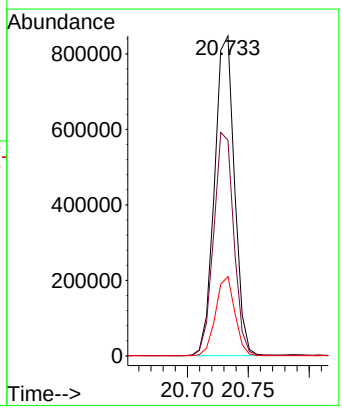


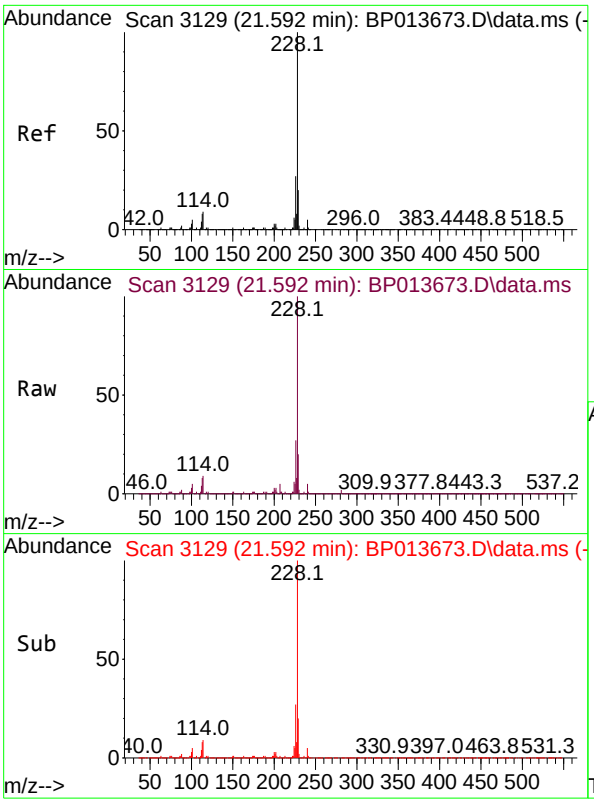


#80
Butylbenzylphthalate
Concen: 41.181 ng
RT: 20.733 min Scan# 2983
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:149 Resp: 968804

Ion	Ratio	Lower	Upper
149	100		
91	67.5	54.0	81.0
206	24.8	19.8	29.8



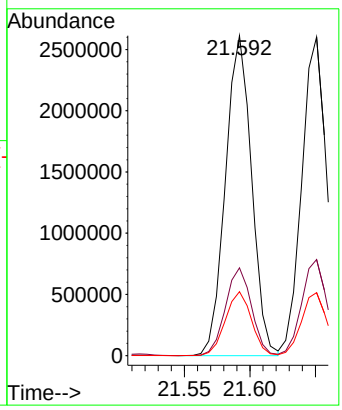


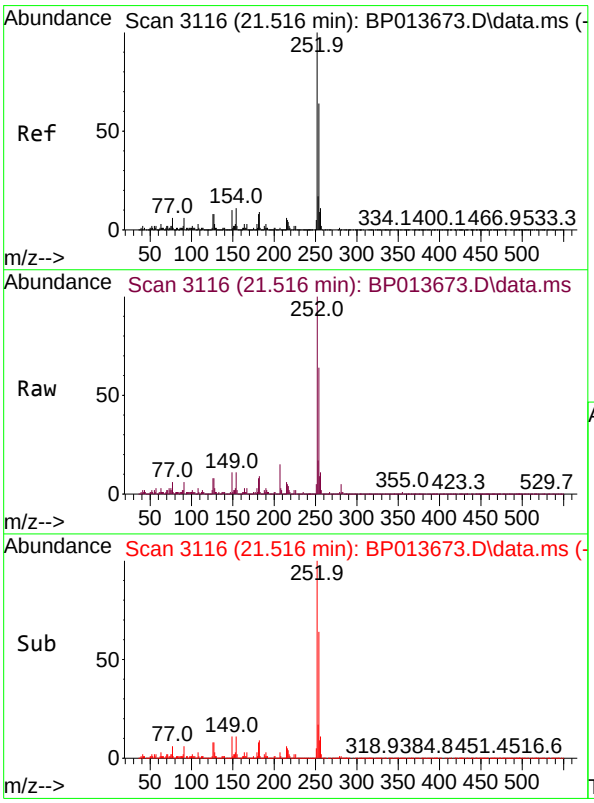
#81
Benzo(a)anthracene
Concen: 40.811 ng
RT: 21.592 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3630899

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	20.0	16.0	24.0

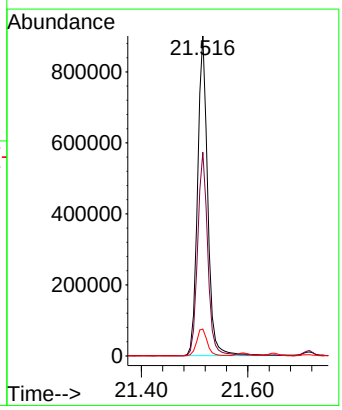


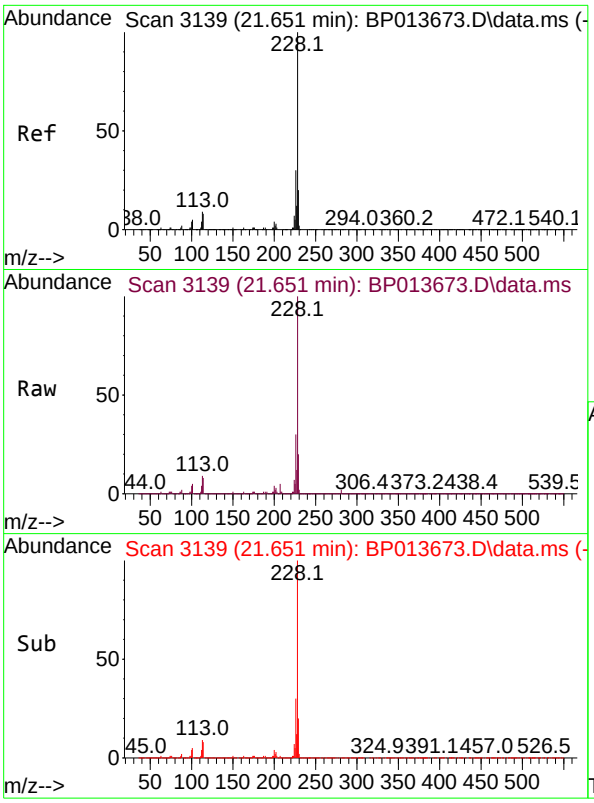


#82
3,3'-Dichlorobenzidine
Concen: 42.166 ng
RT: 21.516 min Scan# 3116
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:252 Resp: 1186038

Ion	Ratio	Lower	Upper
252	100		
254	63.6	50.9	76.3
126	8.4	6.7	10.1



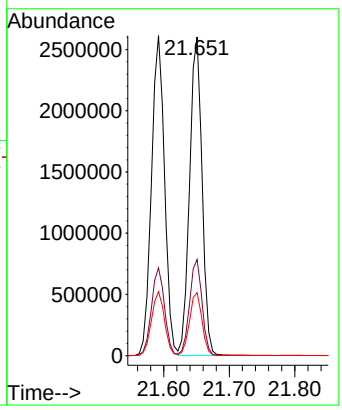


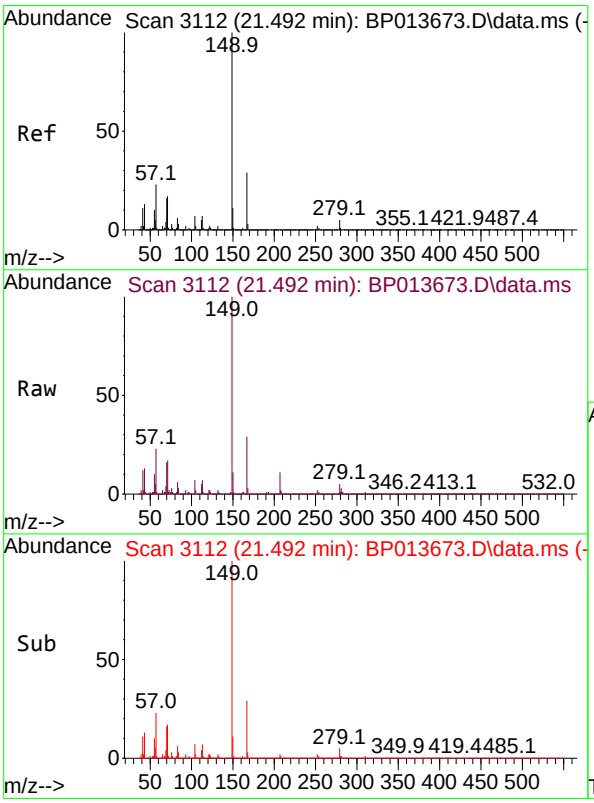
#83
Chrysene
Concen: 40.570 ng
RT: 21.651 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3438900

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.8	15.8	23.8

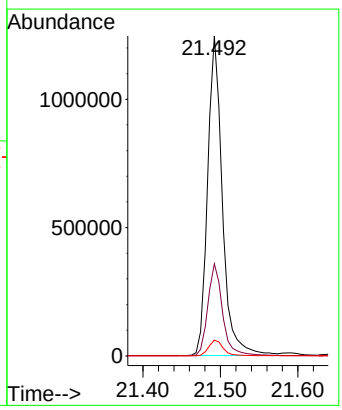


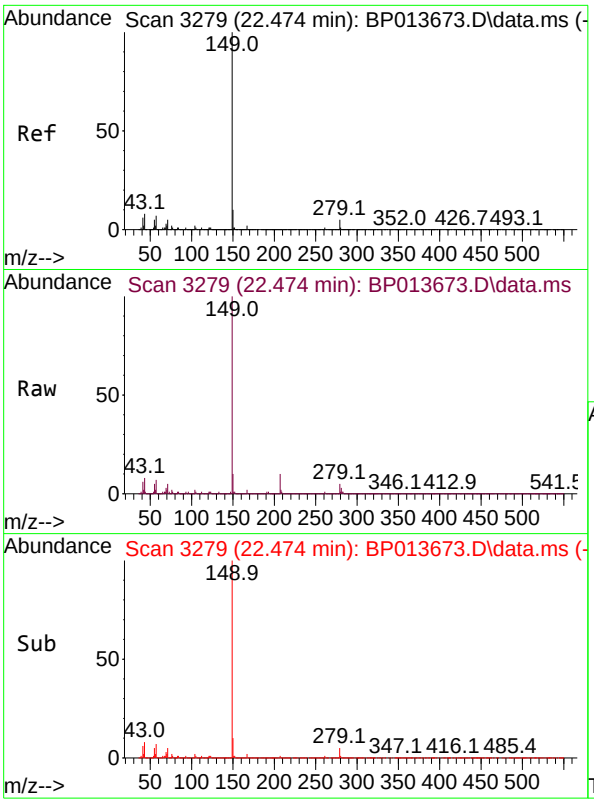


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.145 ng
RT: 21.492 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:149 Resp: 1648094

Ion	Ratio	Lower	Upper
149	100		
167	28.8	23.0	34.6
279	4.9	3.9	5.9



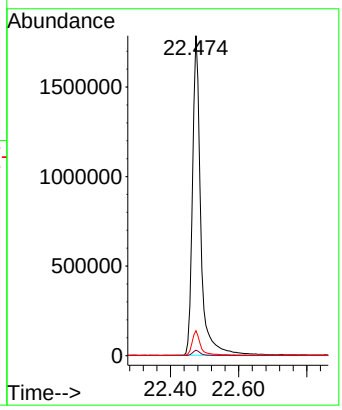


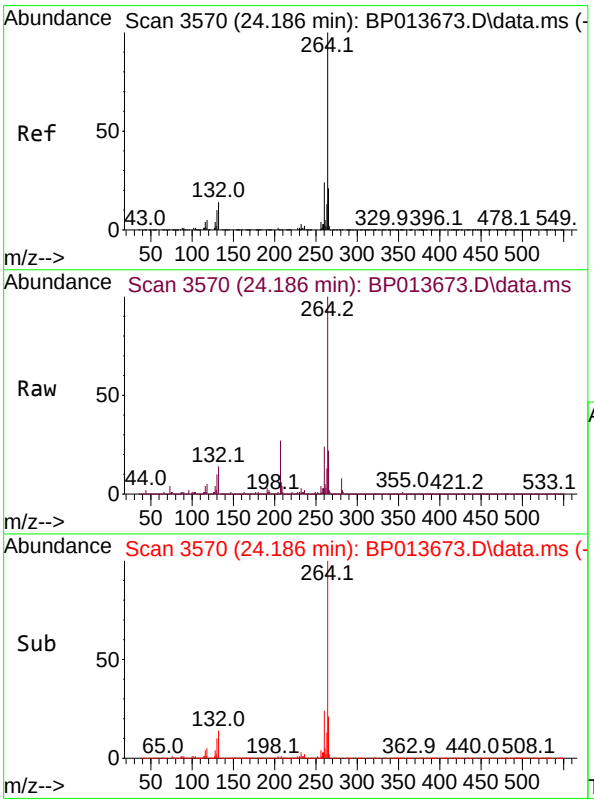
#85
Di-n-octyl phthalate
Concen: 41.073 ng
RT: 22.474 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 3004302

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5

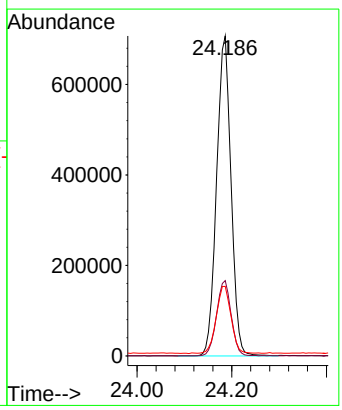


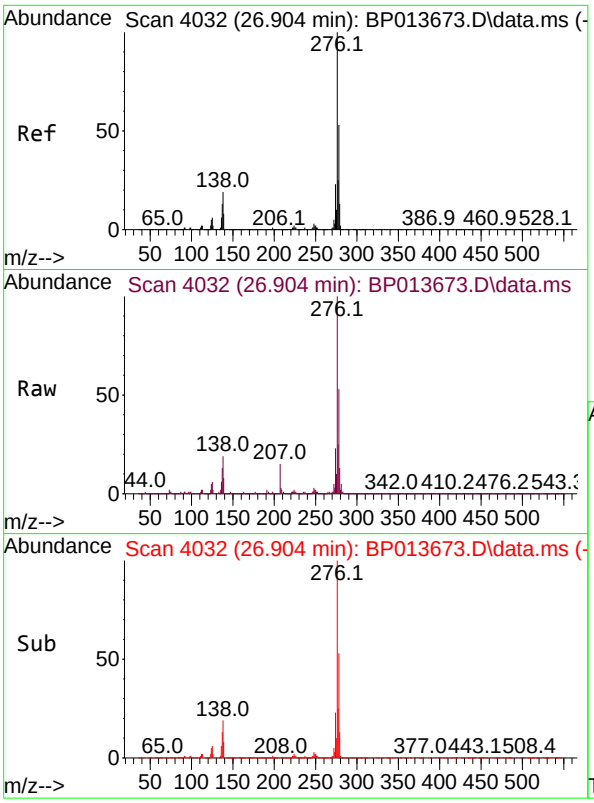


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.186 min Scan# 3570
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:264 Resp: 1494510

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.7	17.4	26.0



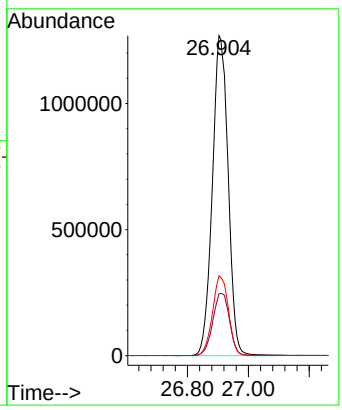


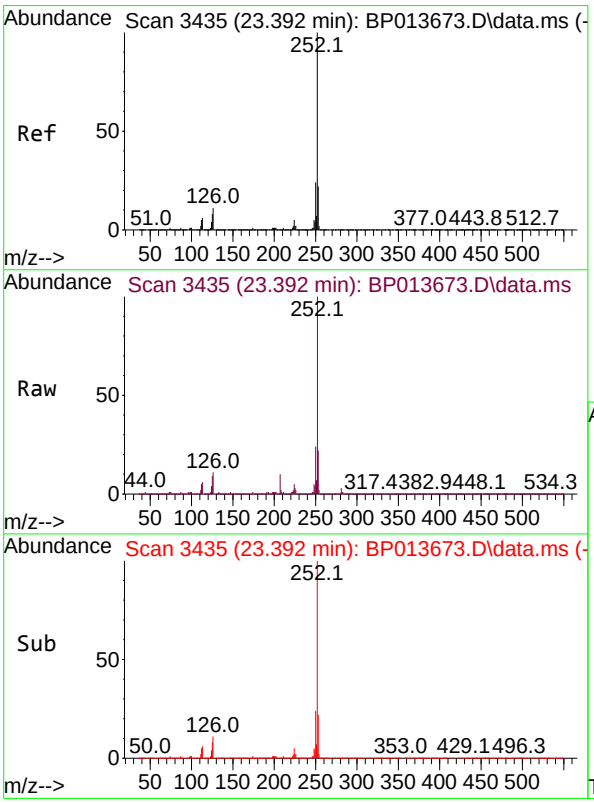
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.229 ng
RT: 26.904 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 4572359

Ion	Ratio	Lower	Upper
276	100		
138	20.6	16.5	24.7
277	25.2	20.2	30.2

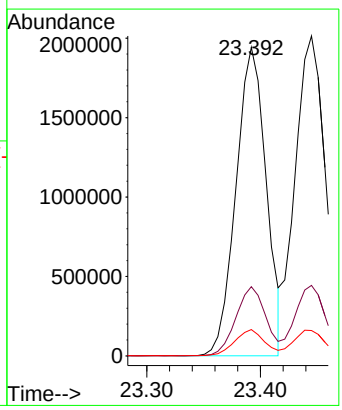


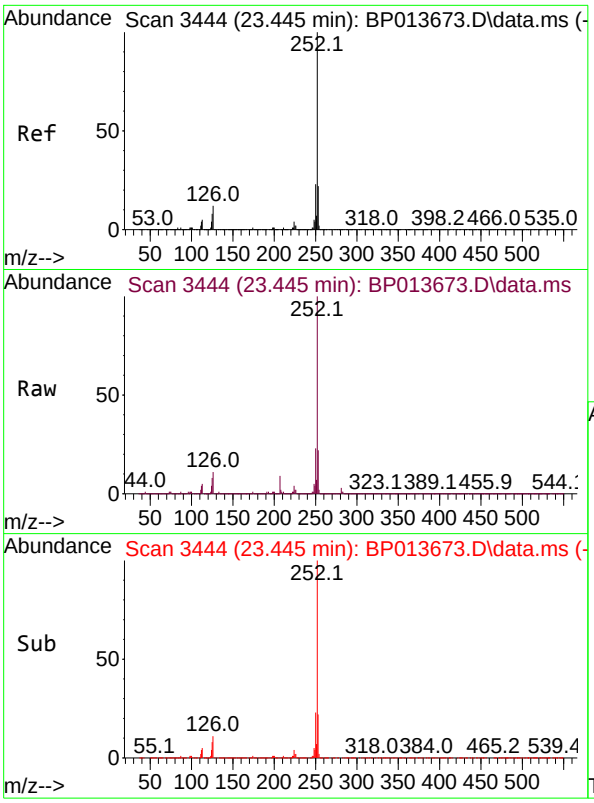


#88
Benzo(b)fluoranthene
Concen: 39.981 ng
RT: 23.392 min Scan# 3435
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:252 Resp: 3591203

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	8.5	6.8	10.2



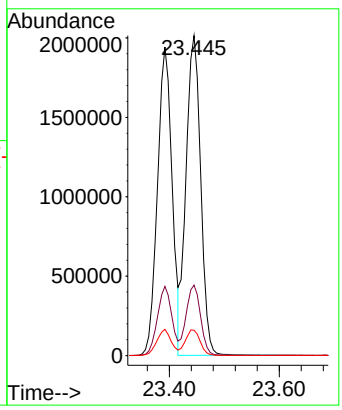


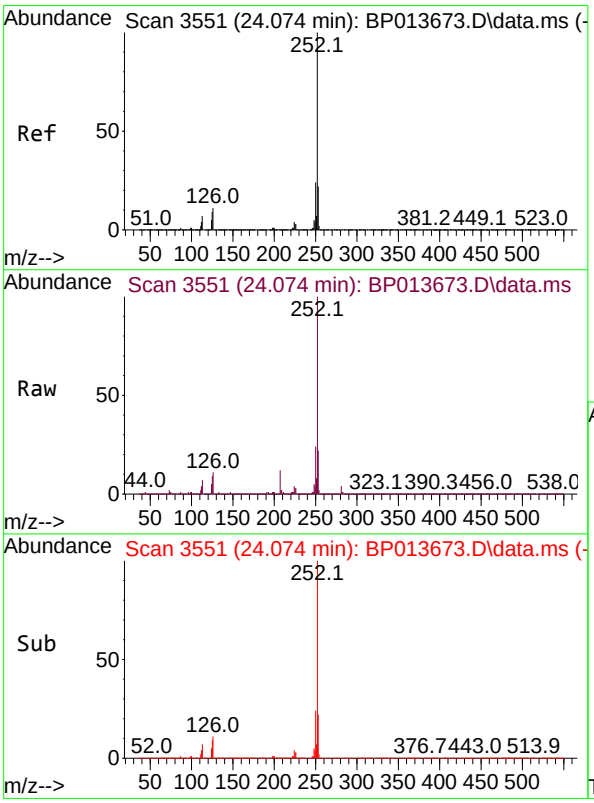
#89
Benzo(k)fluoranthene
Concen: 41.455 ng
RT: 23.445 min Scan# 34
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 3729657

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	7.9	6.3	9.5

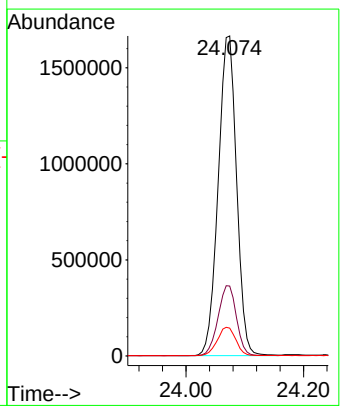


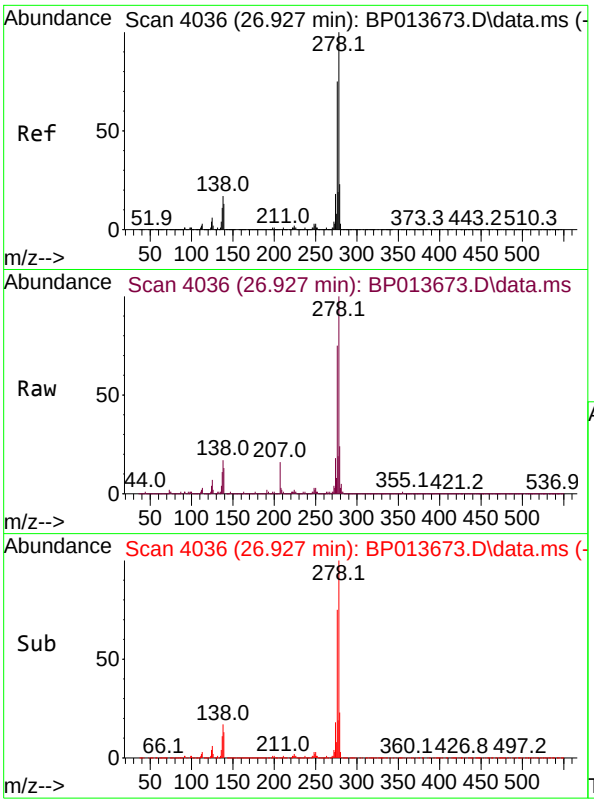


#90
Benzo(a)pyrene
Concen: 40.462 ng
RT: 24.074 min Scan# 3551
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:252 Resp: 3607697

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	8.7	7.0	10.4



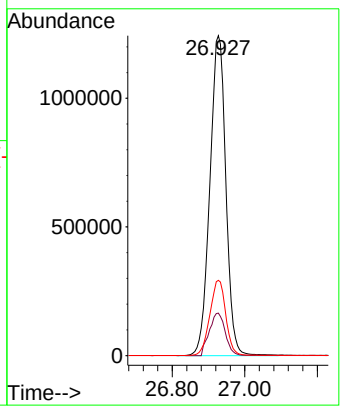


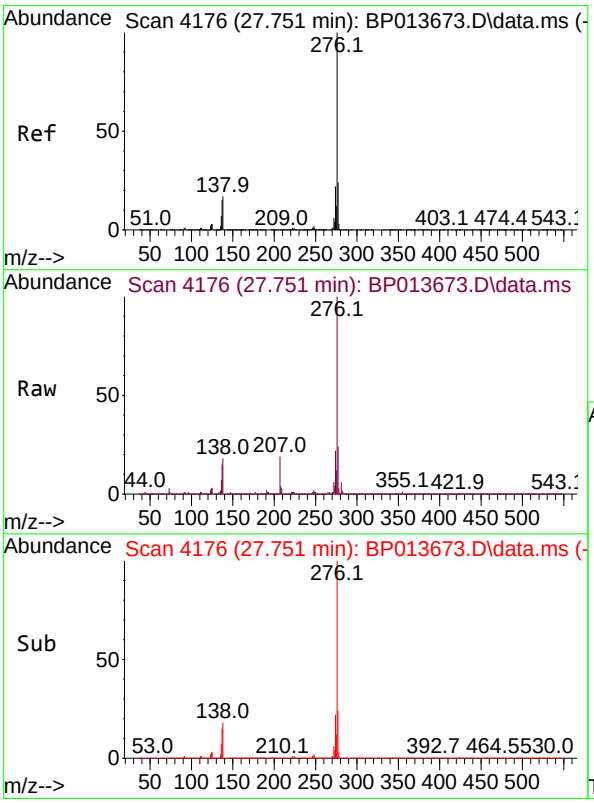
#91
Dibenzo(a,h)anthracene
Concen: 40.352 ng
RT: 26.927 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 3806958

Ion	Ratio	Lower	Upper
278	100		
139	13.3	10.6	16.0
279	23.5	18.8	28.2

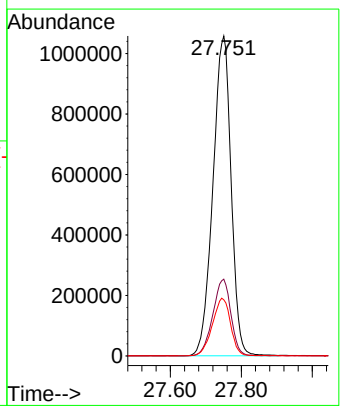




#92
Benzo(g,h,i)perylene
Concen: 40.127 ng
RT: 27.751 min Scan# 4176
Delta R.T. 0.000 min
Lab File: BP013673.D
Acq: 31 Jan 2023 13:38

Tgt Ion:276 Resp: 3759929

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	17.5	14.0	21.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013674.D
Acq On : 31 Jan 2023 14:12
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

Quant Time: Feb 01 03:03:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.140	152	261624	20.000	ng	0.00
21) Naphthalene-d8	10.969	136	981510	20.000	ng	0.00
39) Acenaphthene-d10	14.781	164	680781	20.000	ng	0.00
64) Phenanthrene-d10	17.528	188	1595373	20.000	ng	0.00
76) Chrysene-d12	21.610	240	1629059	20.000	ng	0.00
86) Perylene-d12	24.186	264	1903765	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	1517715	99.168	ng	0.00
7) Phenol-d6	7.293	99	2078037	101.917	ng	0.00
23) Nitrobenzene-d5	9.316	82	1878027	111.302	ng	0.00
42) 2,4,6-Tribromophenol	16.269	330	1098171	107.548	ng	0.00
45) 2-Fluorobiphenyl	13.404	172	4893896	100.589	ng	0.00
79) Terphenyl-d14	20.063	244	8315910	101.367	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.517	88	318151	49.136	ng	100
3) Pyridine	3.934	79	952156m	51.941	ng	
4) n-Nitrosodimethylamine	3.840	42	338916	50.701	ng	100
6) Aniline	7.464	93	1377107	51.809	ng	99
8) 2-Chlorophenol	7.705	128	817385	50.730	ng	97
9) Benzaldehyde	7.269	77	488356	47.406	ng	97
10) Phenol	7.317	94	1097966	51.548	ng	97
11) bis(2-Chloroethyl)ether	7.558	93	860417	50.568	ng	99
12) 1,3-Dichlorobenzene	8.028	146	898311	49.494	ng	99
13) 1,4-Dichlorobenzene	8.181	146	915048	49.828	ng	99
14) 1,2-Dichlorobenzene	8.505	146	884826	50.352	ng	99
15) Benzyl Alcohol	8.381	79	781191	54.107	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.669	45	1011906	50.728	ng	99
17) 2-Methylphenol	8.581	107	787068	52.731	ng	99
18) Hexachloroethane	9.240	117	308068	50.874	ng	97
19) n-Nitroso-di-n-propyla...	8.958	70	701867	54.865	ng	99
20) 3+4-Methylphenols	8.916	107	1085878	53.328	ng	97
22) Acetophenone	8.975	105	1323994	51.728	ng	99
24) Nitrobenzene	9.363	77	1004352	54.877	ng	99
25) Isophorone	9.893	82	1997215	53.404	ng	99
26) 2-Nitrophenol	10.075	139	440838	57.547	ng	98
27) 2,4-Dimethylphenol	10.128	122	796139	50.763	ng	99
28) bis(2-Chloroethoxy)met...	10.369	93	1171084	52.245	ng	99
29) 2,4-Dichlorophenol	10.610	162	873976	53.202	ng	99
30) 1,2,4-Trichlorobenzene	10.834	180	931303	51.092	ng	99
31) Naphthalene	11.022	128	2643433	51.221	ng	100
32) Benzoic acid	10.275	122	638926	56.945	ng	98
33) 4-Chloroaniline	11.128	127	1206262	53.195	ng	100
34) Hexachlorobutadiene	11.305	225	587740	50.796	ng	99
35) Caprolactam	11.928	113	300893	55.990	ng	98
36) 4-Chloro-3-methylphenol	12.234	107	948633	54.897	ng	99
37) 2-Methylnaphthalene	12.616	142	2021923	52.106	ng	98
38) 1-Methylnaphthalene	12.834	142	1902398	52.190	ng	99
40) 1,2,4,5-Tetrachloroben...	12.981	216	1195218	51.425	ng	100
41) Hexachlorocyclopentadiene	12.957	237	570184	53.749	ng	98
43) 2,4,6-Trichlorophenol	13.216	196	813719	53.169	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013674.D
Acq On : 31 Jan 2023 14:12
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 01 03:03:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	13.287	196	956875	53.400	ng	99
46)	1,1'-Biphenyl	13.616	154	2613104	50.723	ng	99
47)	2-Chloronaphthalene	13.663	162	2021259	50.758	ng	98
48)	2-Nitroaniline	13.857	65	516160	60.660	ng	98
49)	Acenaphthylene	14.504	152	3297830	51.354	ng	100
50)	Dimethylphthalate	14.228	163	2737836	51.994	ng	100
51)	2,6-Dinitrotoluene	14.346	165	565632	60.102	ng	98
52)	Acenaphthene	14.846	154	2120453m	52.938	ng	
53)	3-Nitroaniline	14.681	138	599344	58.395	ng	99
54)	2,4-Dinitrophenol	14.881	184	341966	59.703	ng	98
55)	Dibenzofuran	15.175	168	3278450	50.669	ng	100
56)	4-Nitrophenol	14.975	139	510298	55.894	ng	99
57)	2,4-Dinitrotoluene	15.134	165	758342	61.402	ng	98
58)	Fluorene	15.828	166	2562458	50.442	ng	100
59)	2,3,4,6-Tetrachlorophenol	15.398	232	831714	53.378	ng	99
60)	Diethylphthalate	15.587	149	2627662	52.054	ng	100
61)	4-Chlorophenyl-phenyle...	15.810	204	1414765	51.142	ng	98
62)	4-Nitroaniline	15.845	138	599897	58.856	ng	98
63)	Azobenzene	16.110	77	2418862	51.872	ng	100
65)	4,6-Dinitro-2-methylph...	15.898	198	478118	57.504	ng	97
66)	n-Nitrosodiphenylamine	16.028	169	2319177	49.961	ng	100
67)	4-Bromophenyl-phenylether	16.710	248	949098	51.897	ng	97
68)	Hexachlorobenzene	16.834	284	1033964	51.057	ng	99
69)	Atrazine	16.981	200	773369	51.200	ng	98
70)	Pentachlorophenol	17.175	266	810907	54.284	ng	99
71)	Phenanthrene	17.575	178	4271089	49.947	ng	99
72)	Anthracene	17.663	178	4368916	50.607	ng	99
73)	Carbazole	17.928	167	3962583	50.549	ng	100
74)	Di-n-butylphthalate	18.463	149	4453352	51.914	ng	100
75)	Fluoranthene	19.522	202	5407941	50.798	ng	99
77)	Benzidine	19.692	184	1713013	48.683	ng	99
78)	Pyrene	19.875	202	5590546	51.009	ng	99
80)	Butylbenzylphthalate	20.728	149	1640706	54.836	ng	98
81)	Benzo(a)anthracene	21.592	228	5788333	51.155	ng	99
82)	3,3'-Dichlorobenzidine	21.516	252	1894035	52.945	ng	99
83)	Chrysene	21.651	228	5434199	50.407	ng	99
84)	Bis(2-ethylhexyl)phtha...	21.492	149	2713414	53.262	ng	99
85)	Di-n-octyl phthalate	22.475	149	4967366	53.397	ng	100
87)	Indeno(1,2,3-cd)pyrene	26.915	276	7371359	50.913	ng	99
88)	Benzo(b)fluoranthene	23.392	252	6004351	52.476	ng	99
89)	Benzo(k)fluoranthene	23.445	252	5749175	50.165	ng	100
90)	Benzo(a)pyrene	24.069	252	5821927	51.259	ng	99
91)	Dibenzo(a,h)anthracene	26.933	278	6131103	51.016	ng	99
92)	Benzo(g,h,i)perylene	27.757	276	6064549	50.808	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

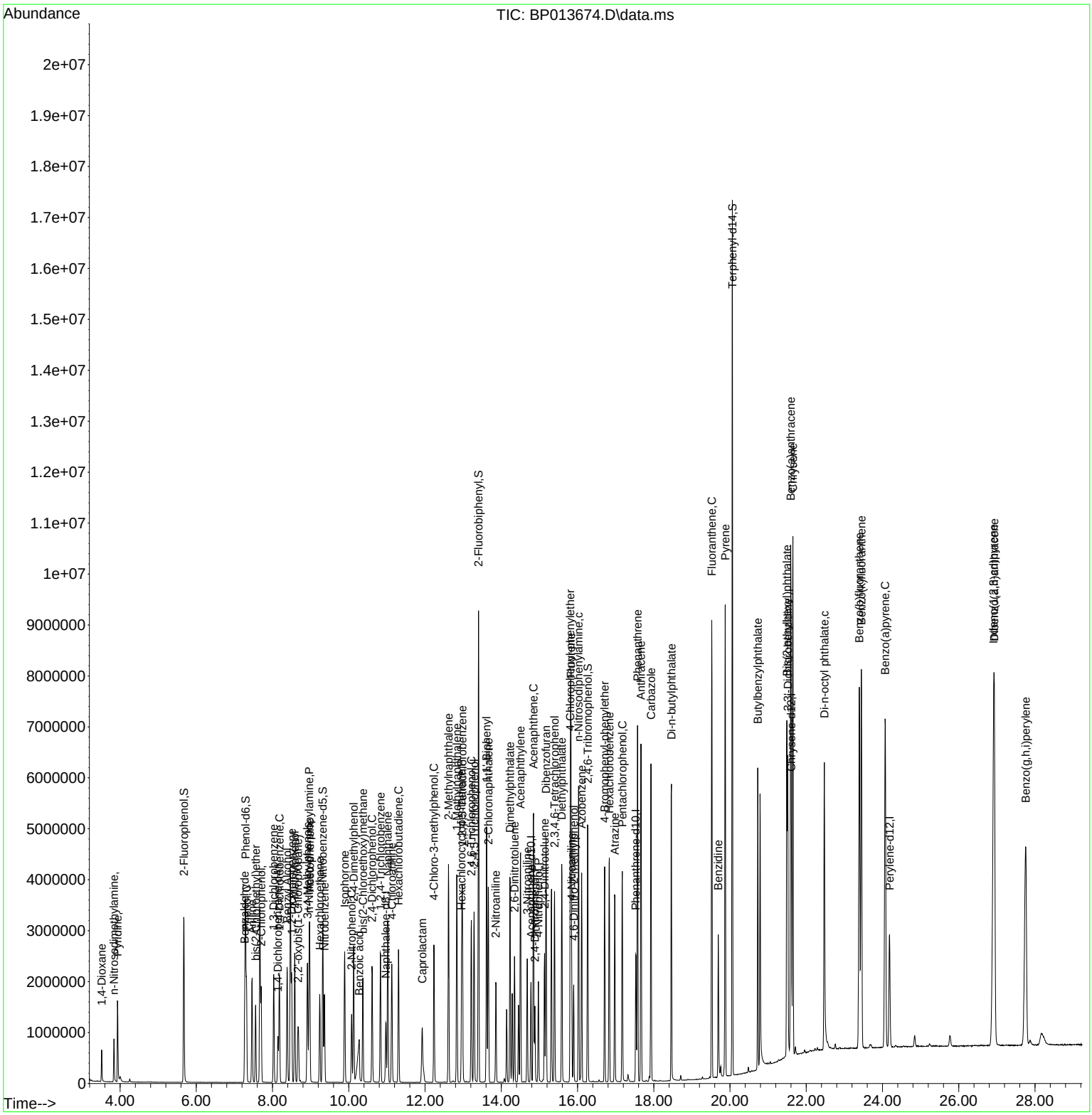
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013674.D
Acq On : 31 Jan 2023 14:12
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

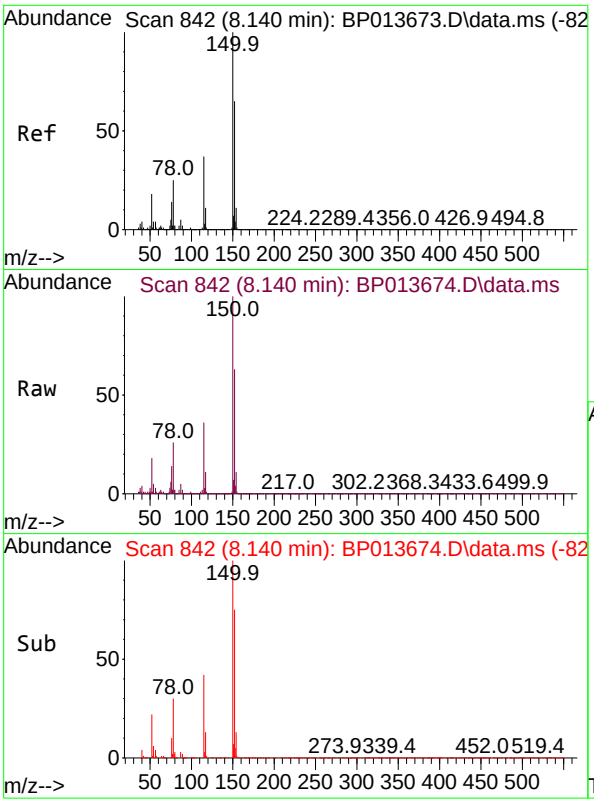
Quant Time: Feb 01 03:03:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

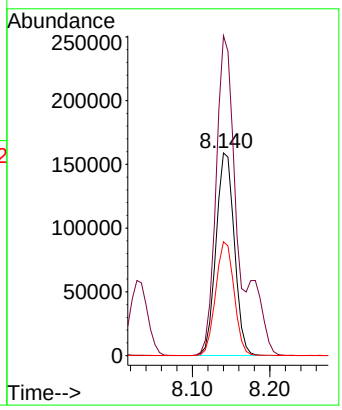




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.140 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:152 Resp: 26162

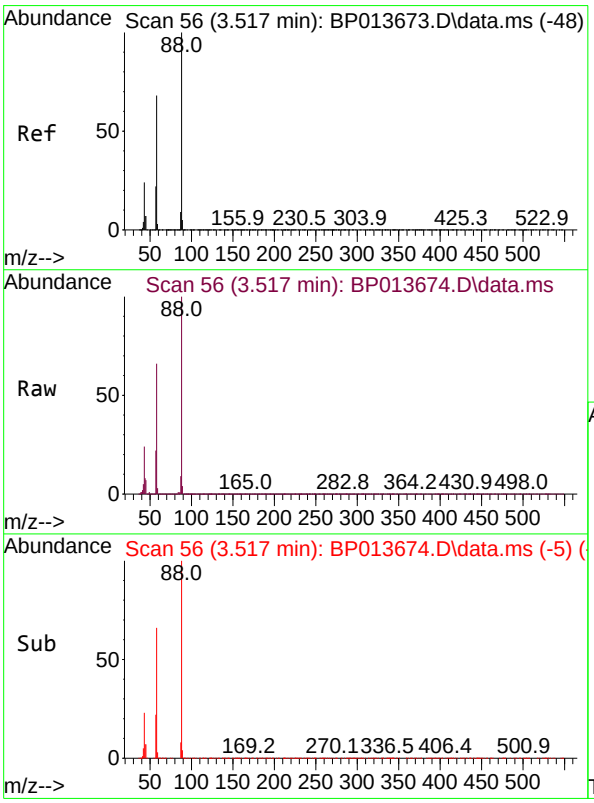
Ion	Ratio	Lower	Upper
152	100		
150	157.9	123.6	185.4
115	56.2	45.4	68.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

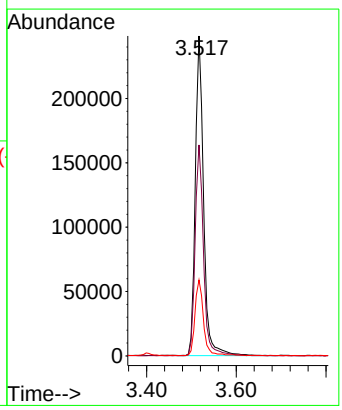
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

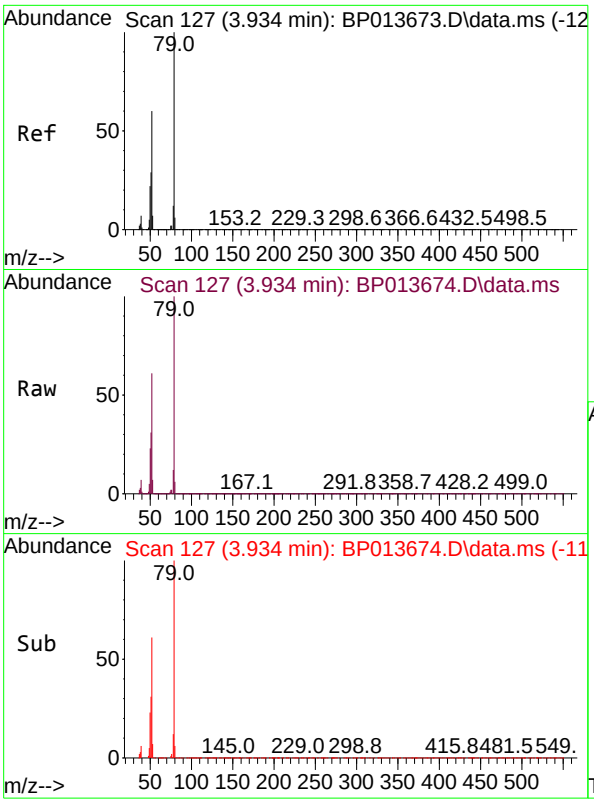


#2
1,4-Dioxane
Concen: 49.136 ng
RT: 3.517 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 88 Resp: 318151

Ion	Ratio	Lower	Upper
88	100		
58	67.3	53.8	80.8
43	24.4	19.8	29.6

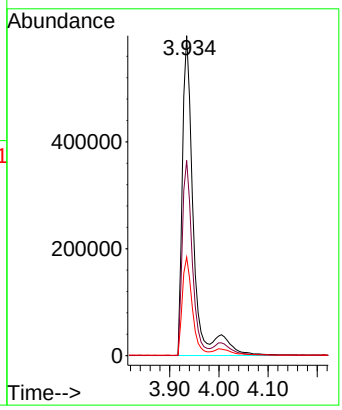




#3
Pyridine
Concen: 51.941 ng m
RT: 3.934 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 79 Resp: 95215

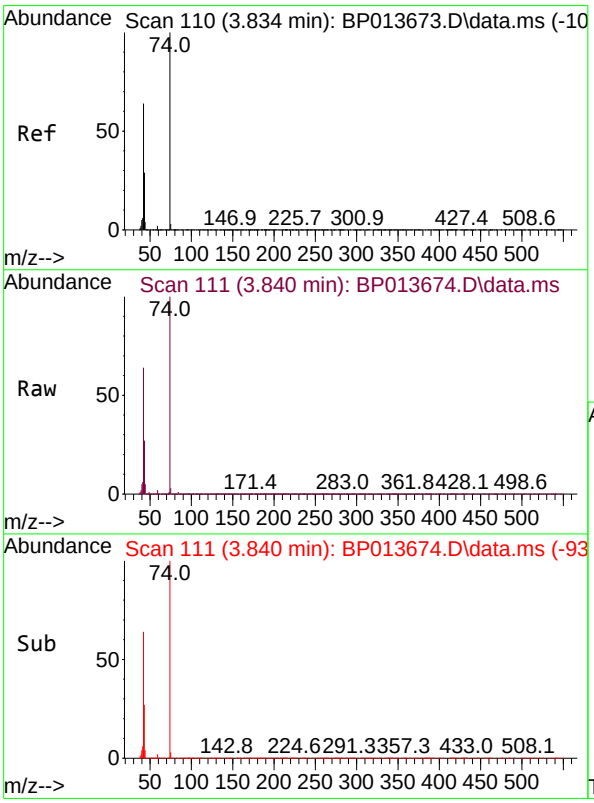
Ion	Ratio	Lower	Upper
79	100		
52	61.0	48.2	72.2
51	30.8	23.6	35.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

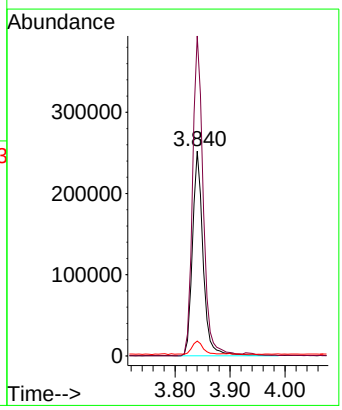
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

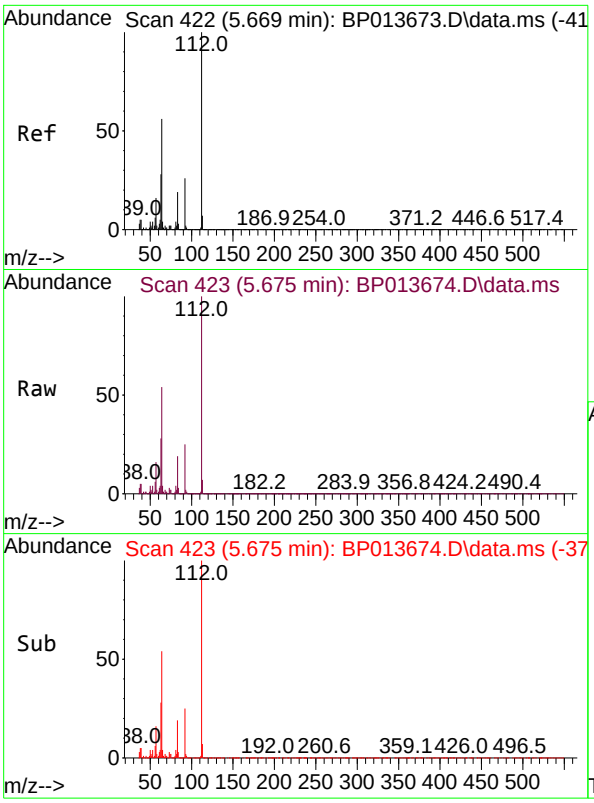


#4
n-Nitrosodimethylamine
Concen: 50.701 ng
RT: 3.840 min Scan# 111
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 42 Resp: 338916

Ion	Ratio	Lower	Upper
42	100		
74	156.3	124.6	187.0
44	7.2	6.3	9.5

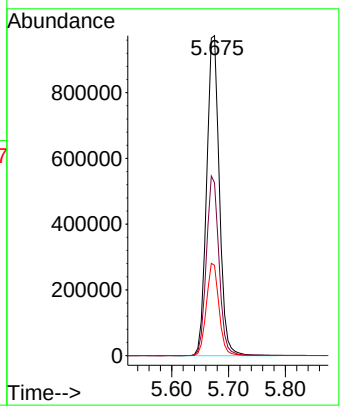




#5
2-Fluorophenol
Concen: 99.168 ng
RT: 5.675 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:112 Resp: 151771

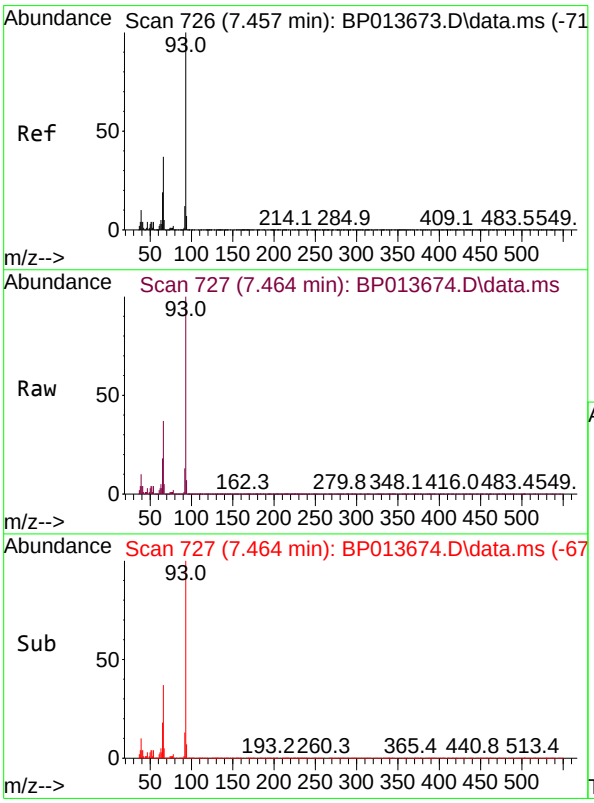
Ion	Ratio	Lower	Upper
112	100		
64	54.0	44.6	67.0
63	28.2	22.6	34.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

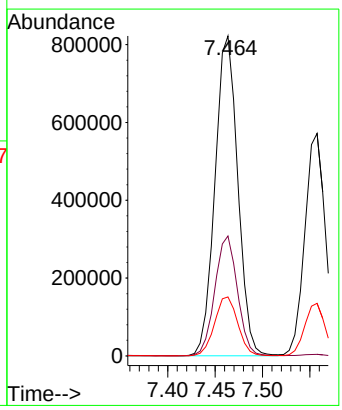
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

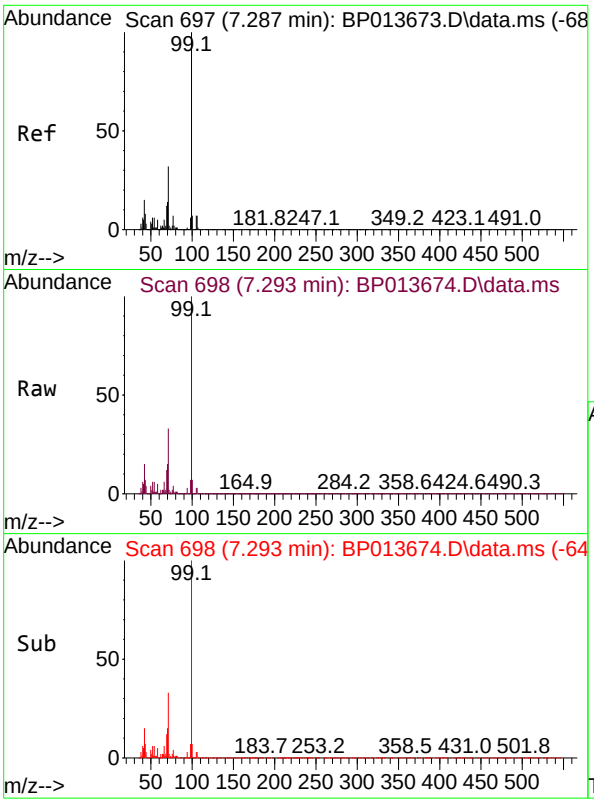


#6
Aniline
Concen: 51.809 ng
RT: 7.464 min Scan# 727
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 93 Resp: 1377107

Ion	Ratio	Lower	Upper
93	100		
66	37.5	29.3	43.9
65	18.4	15.1	22.7

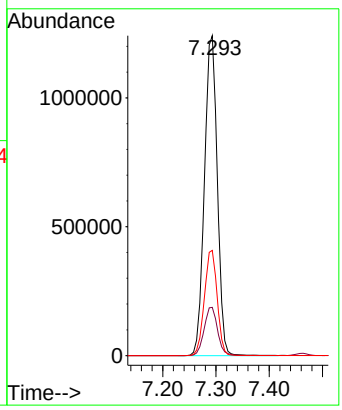




#7
Phenol-d6
Concen: 101.917 ng
RT: 7.293 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 99 Resp: 207803

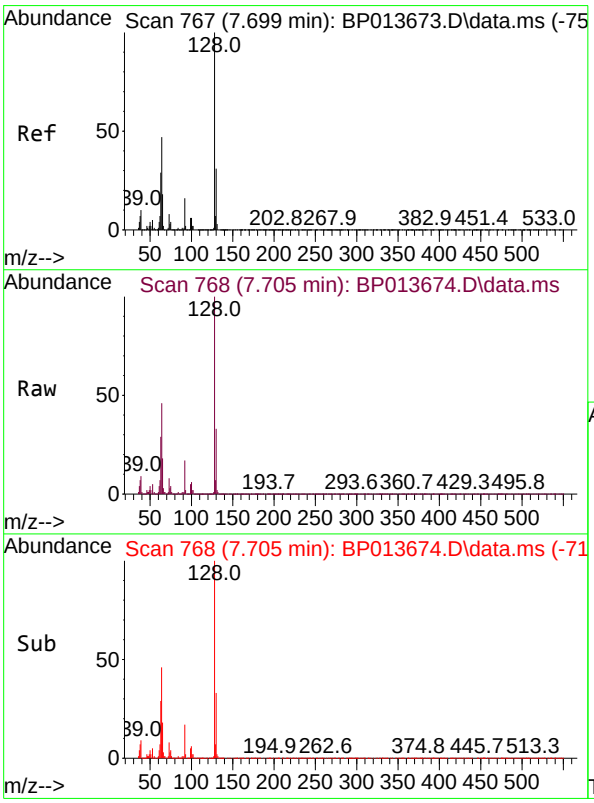
Ion	Ratio	Lower	Upper
99	100		
42	15.1	11.8	17.6
71	32.9	25.6	38.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

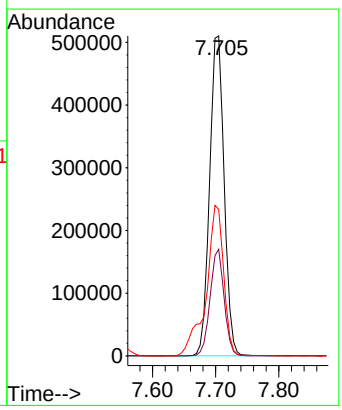
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

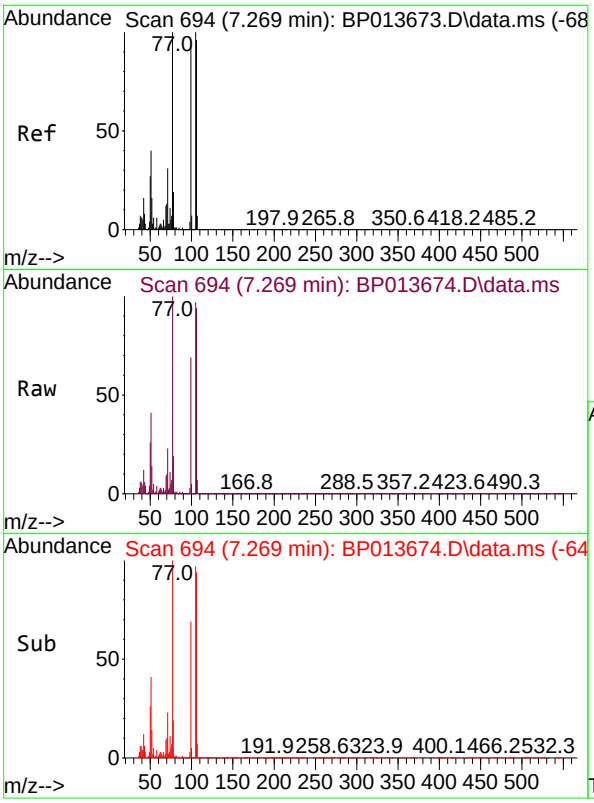


#8
2-Chlorophenol
Concen: 50.730 ng
RT: 7.705 min Scan# 768
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:128 Resp: 817385

Ion	Ratio	Lower	Upper
128	100		
130	33.3	10.8	50.8
64	45.8	26.9	66.9

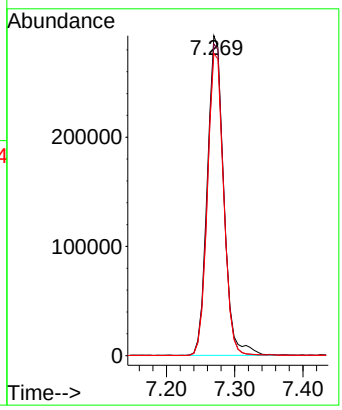




#9
Benzaldehyde
Concen: 47.406 ng
RT: 7.269 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 77 Resp: 48835

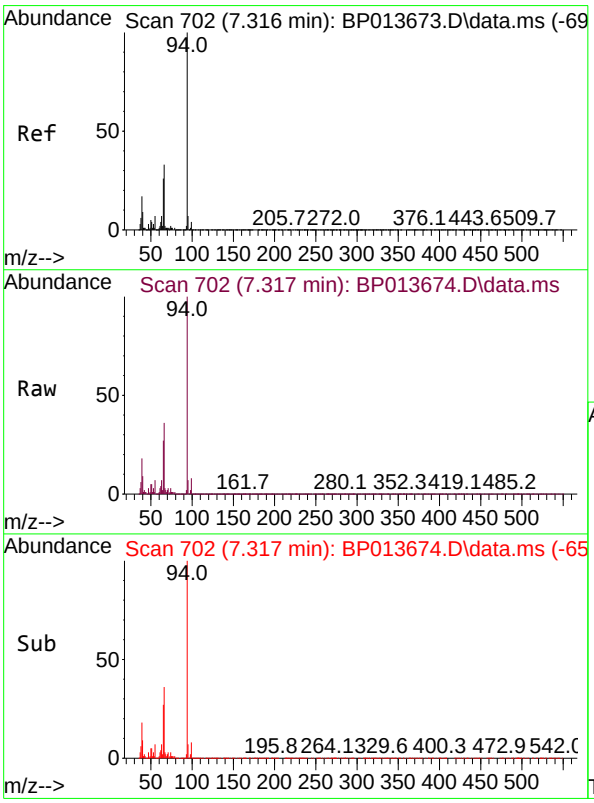
Ion	Ratio	Lower	Upper
77	100		
105	97.4	80.4	120.4
106	94.4	76.7	116.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

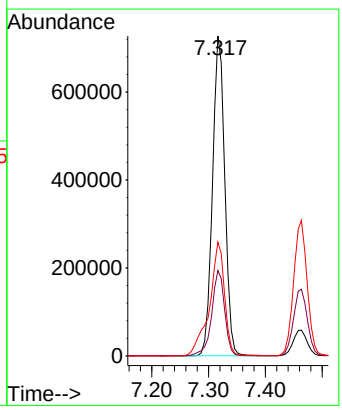
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

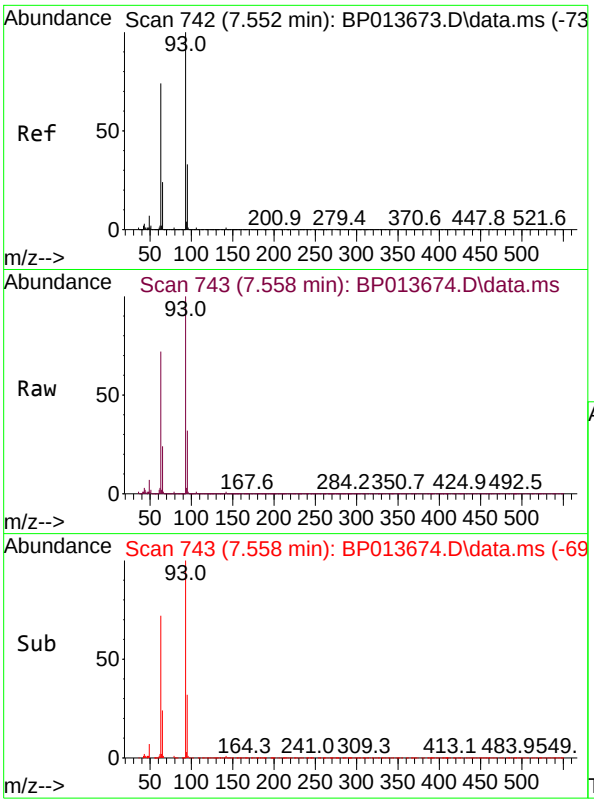


#10
Phenol
Concen: 51.548 ng
RT: 7.317 min Scan# 702
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 94 Resp: 1097966

Ion	Ratio	Lower	Upper
94	100		
65	26.7	6.0	46.0
66	35.5	13.1	53.1

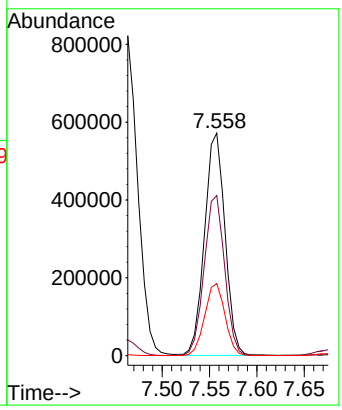




#11
bis(2-Chloroethyl)ether
Concen: 50.568 ng
RT: 7.558 min Scan# 74
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 93 Resp: 86041

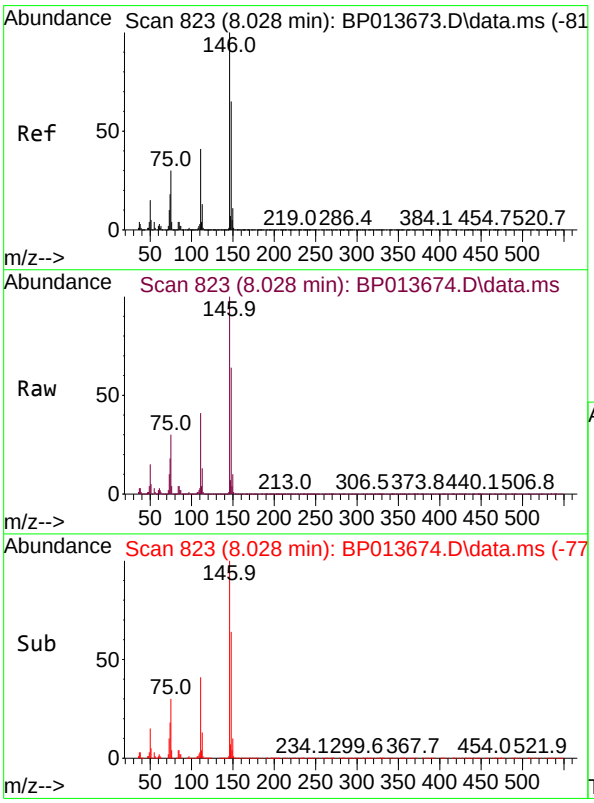
Ion	Ratio	Lower	Upper
93	100		
63	72.0	53.7	93.7
95	32.4	12.4	52.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

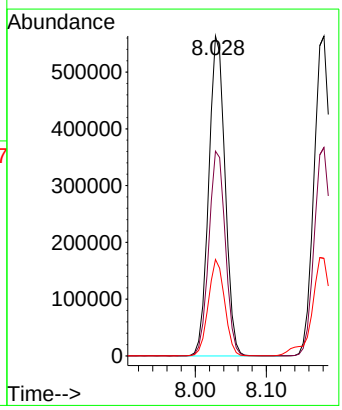
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

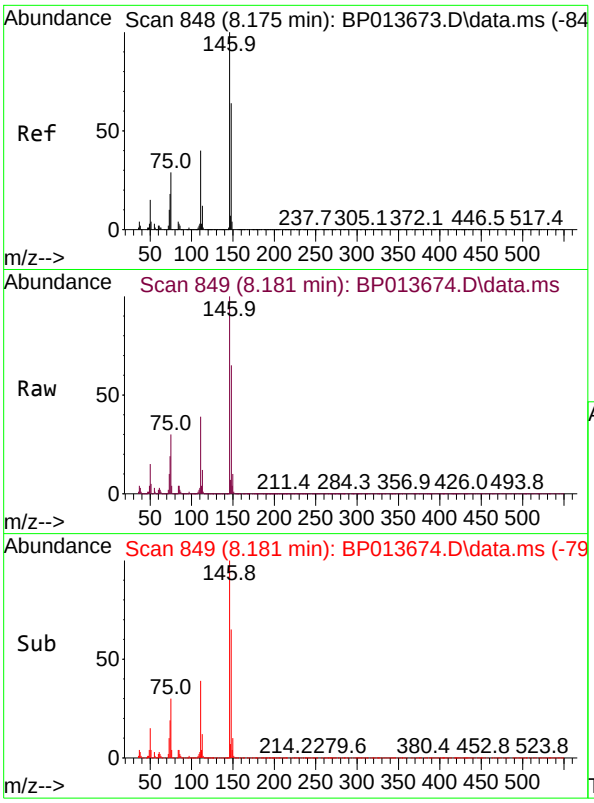


#12
1,3-Dichlorobenzene
Concen: 49.494 ng
RT: 8.028 min Scan# 823
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:146 Resp: 898311

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
75	30.1	24.0	36.0





#13
1,4-Dichlorobenzene
Concen: 49.828 ng
RT: 8.181 min Scan# 84
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

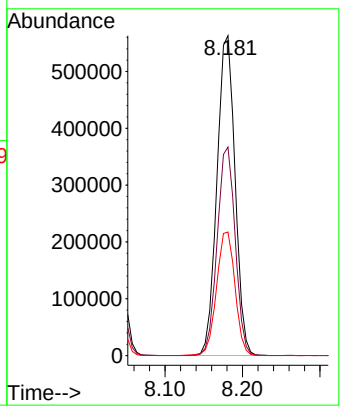
Tgt Ion:146 Resp: 91504

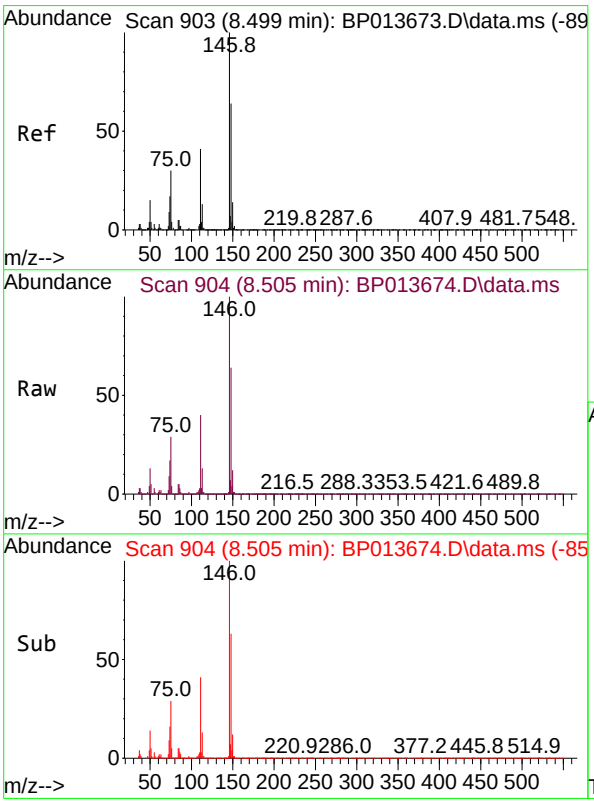
Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.5	77.3
111	38.6	32.0	48.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

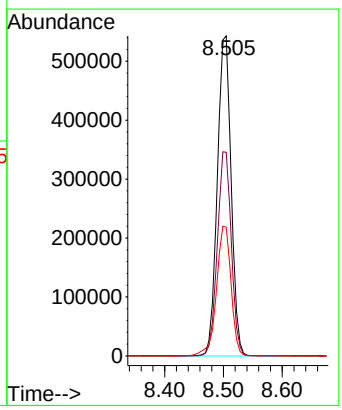


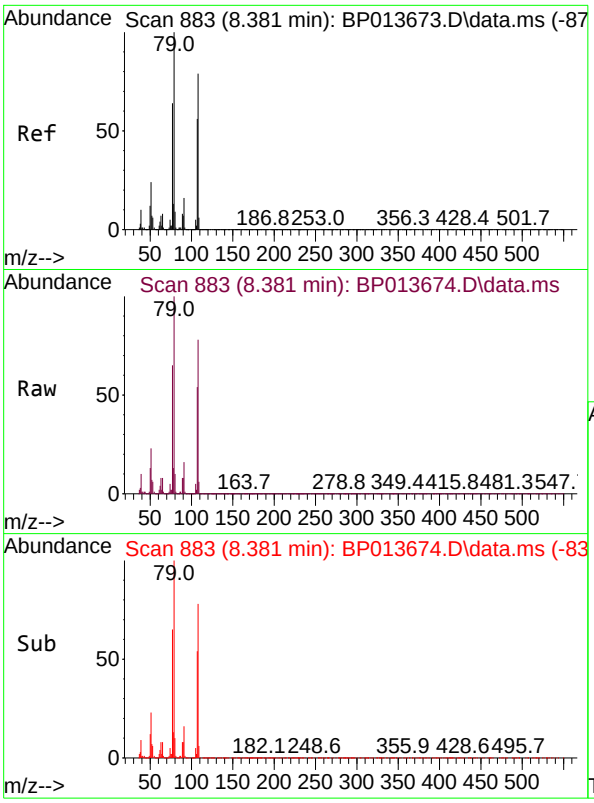


#14
1,2-Dichlorobenzene
Concen: 50.352 ng
RT: 8.505 min Scan# 904
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:146 Resp: 884826

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.3	76.9
111	40.2	32.8	49.2

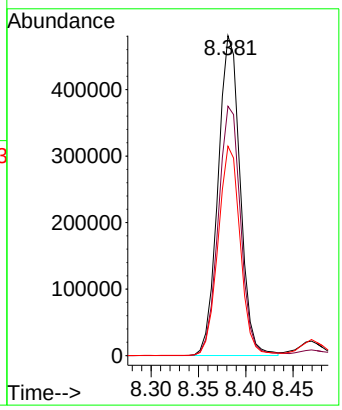




#15
Benzyl Alcohol
Concen: 54.107 ng
RT: 8.381 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 79 Resp: 781191

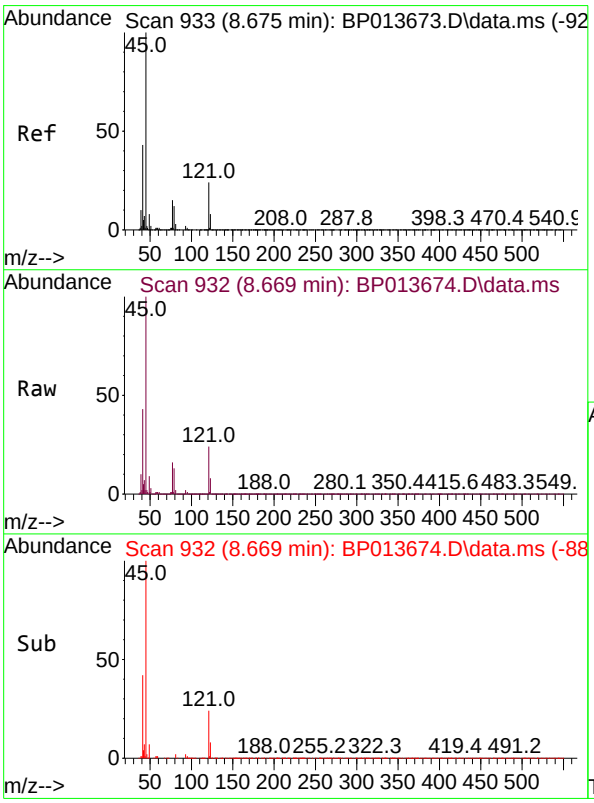
Ion	Ratio	Lower	Upper
79	100		
108	77.9	62.9	94.3
77	65.4	51.1	76.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

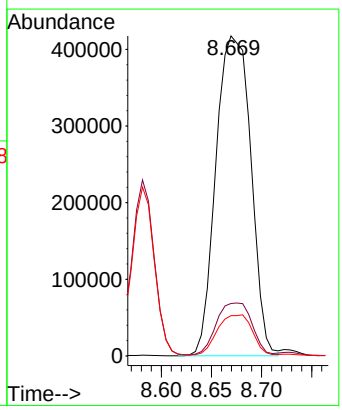
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

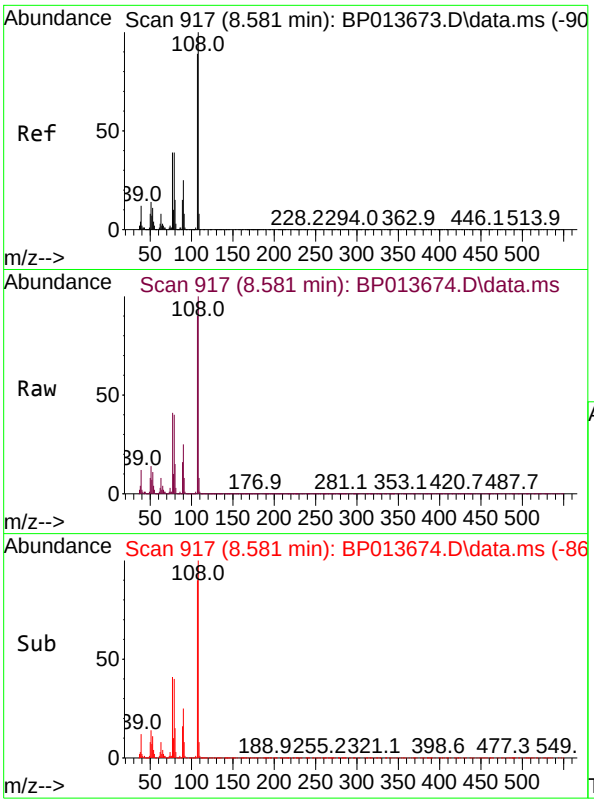


#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.728 ng
RT: 8.669 min Scan# 932
Delta R.T. -0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 45 Resp: 1011906

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.4
79	12.6	0.0	33.4

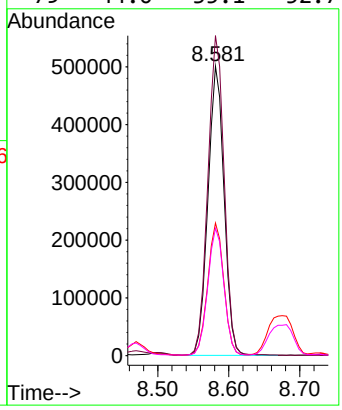




#17
2-Methylphenol
Concen: 52.731 ng
RT: 8.581 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:107 Resp: 78706

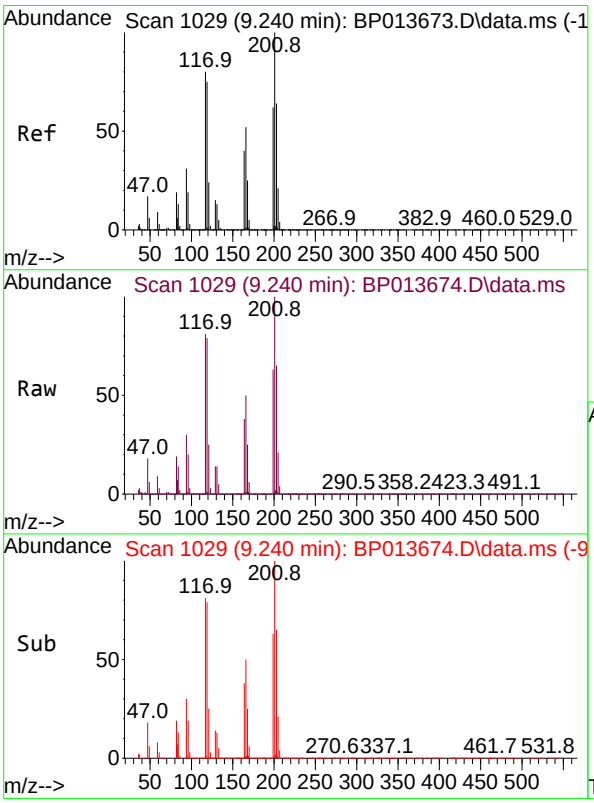
Ion	Ratio	Lower	Upper
107	100		
108	110.6	90.0	135.0
77	45.8	35.7	53.5
79	44.0	35.1	52.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

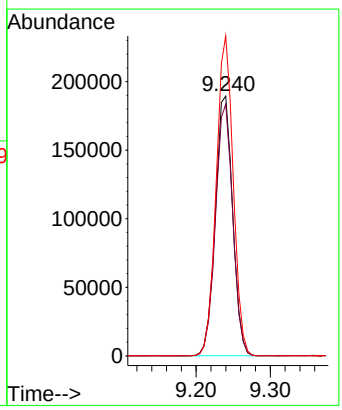
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

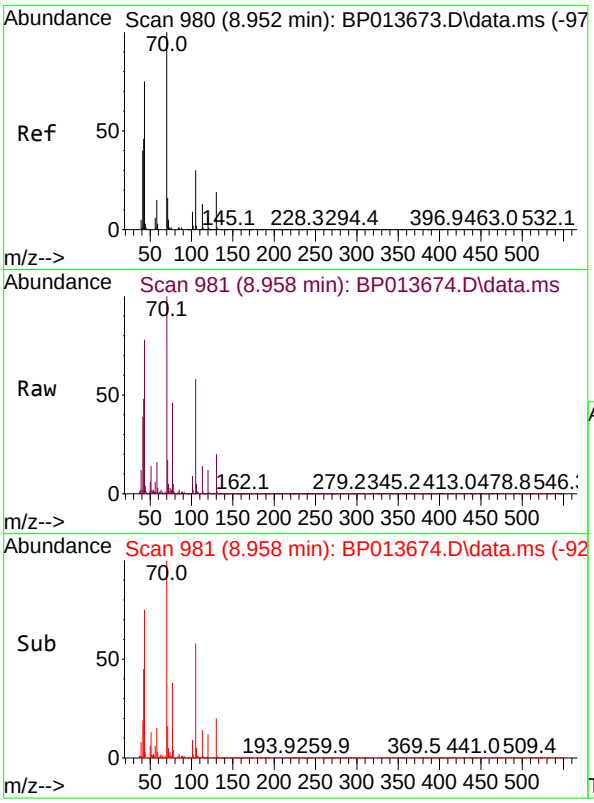


#18
Hexachloroethane
Concen: 50.874 ng
RT: 9.240 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:117 Resp: 308068

Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.0	112.4
201	123.2	100.4	150.6

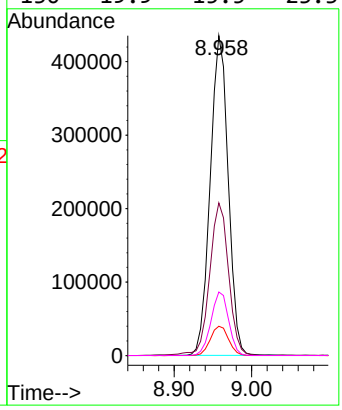




#19
n-Nitroso-di-n-propylamine
Concen: 54.865 ng
RT: 8.958 min Scan# 98
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 70 Resp: 70186

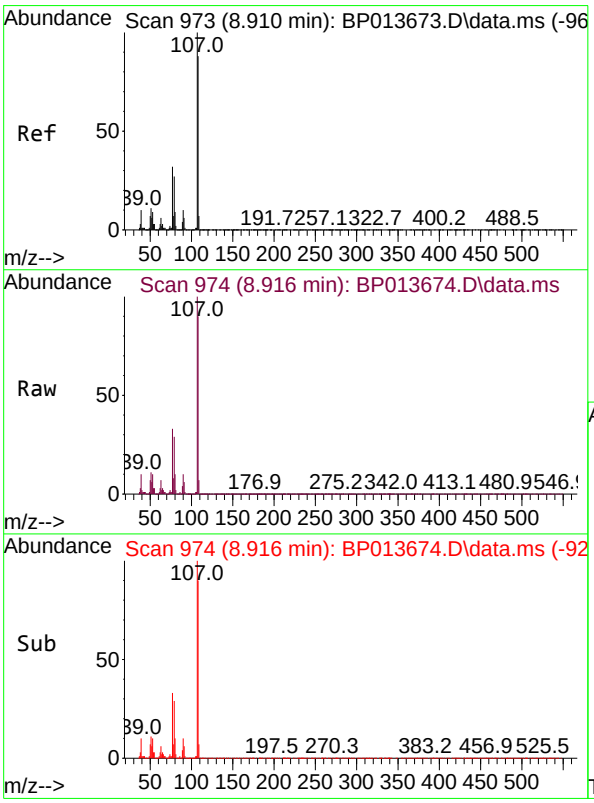
Ion	Ratio	Lower	Upper
70	100		
42	47.7	37.2	55.8
101	9.2	7.4	11.2
130	19.9	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

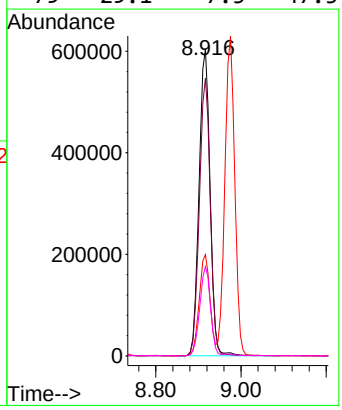
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

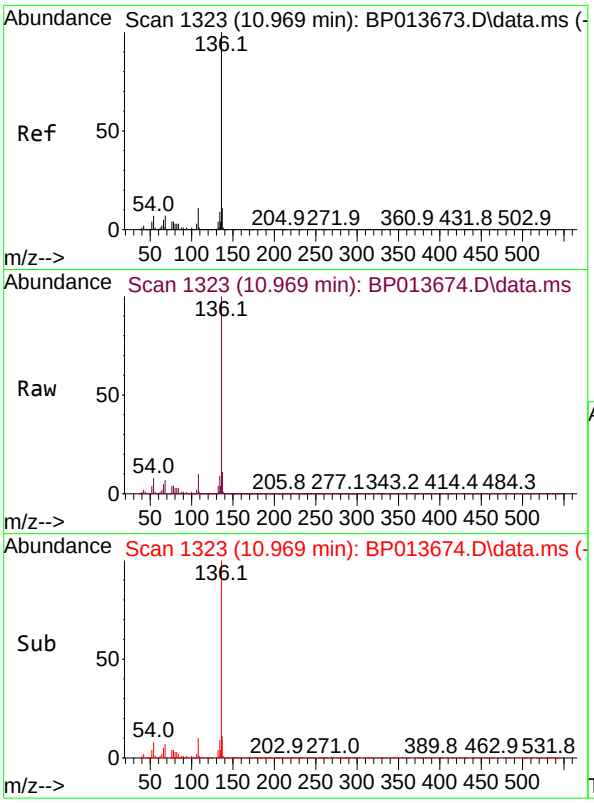


#20
3+4-Methylphenols
Concen: 53.328 ng
RT: 8.916 min Scan# 974
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:107 Resp: 1085878

Ion	Ratio	Lower	Upper
107	100		
108	90.4	67.7	107.7
77	33.0	12.0	52.0
79	29.1	7.5	47.5

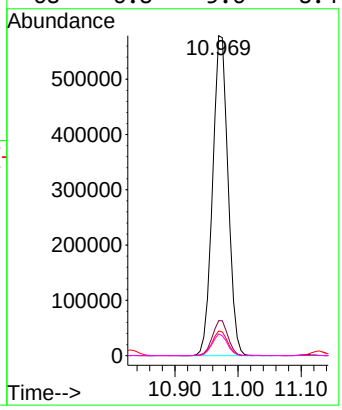




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:136 Resp: 98151

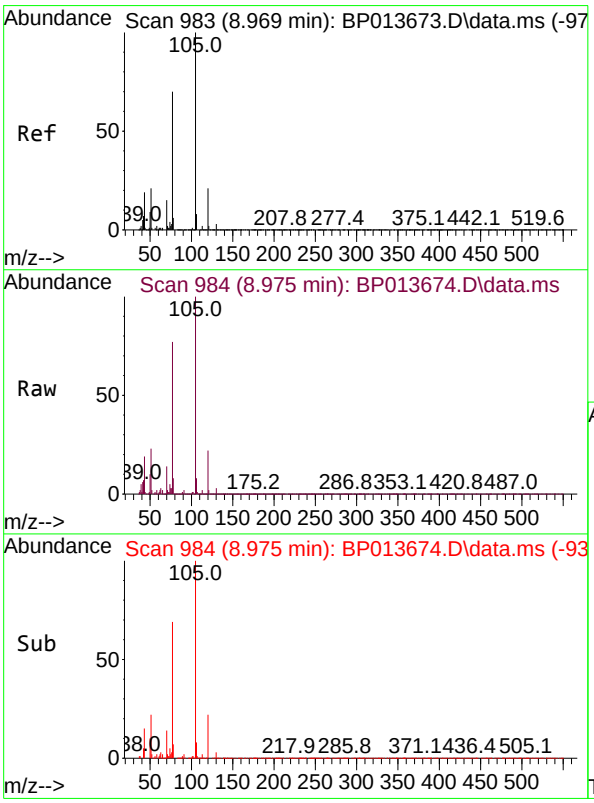
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.7	6.0	9.0
68	6.8	5.6	8.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

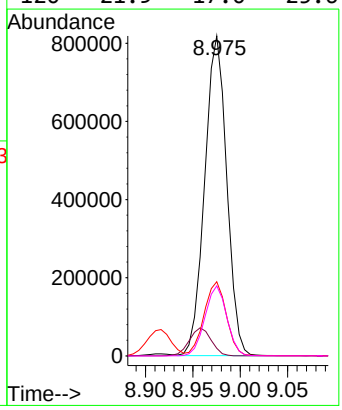
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

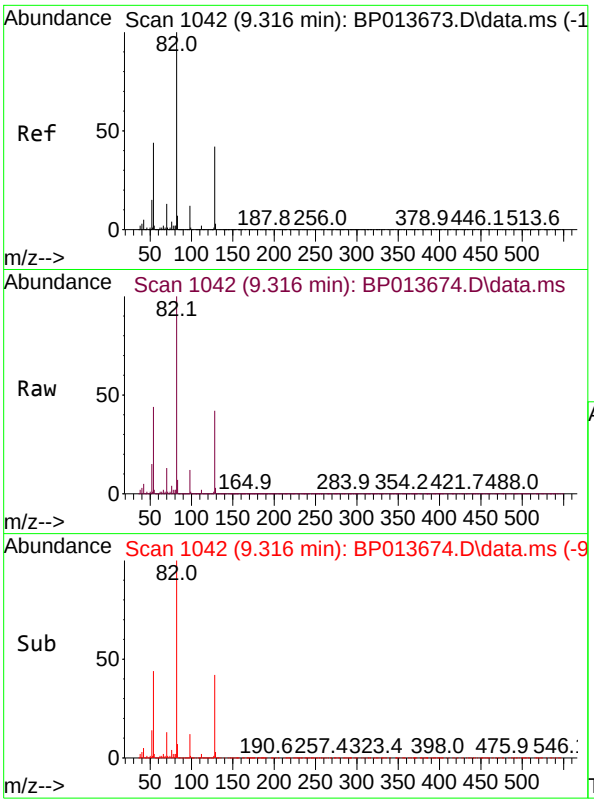


#22
Acetophenone
Concen: 51.728 ng
RT: 8.975 min Scan# 984
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:105 Resp: 1323994

Ion	Ratio	Lower	Upper
105	100		
71	2.4	2.2	3.2
51	23.2	18.6	27.8
120	21.9	17.0	25.6

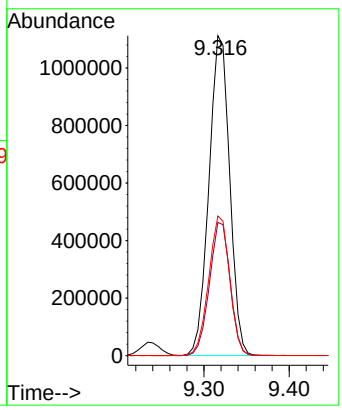




#23
Nitrobenzene-d5
Concen: 111.302 ng
RT: 9.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 82 Resp: 187802

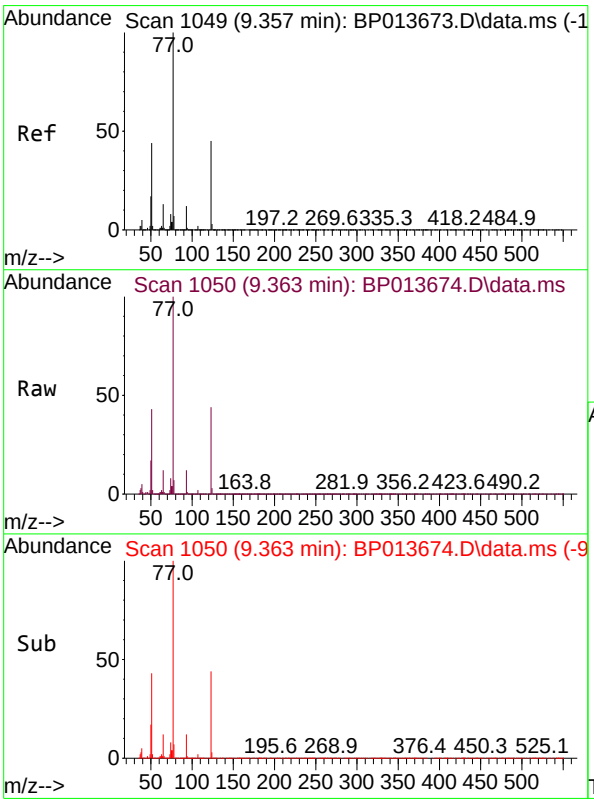
Ion	Ratio	Lower	Upper
82	100		
128	41.6	33.4	50.0
54	43.6	35.4	53.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

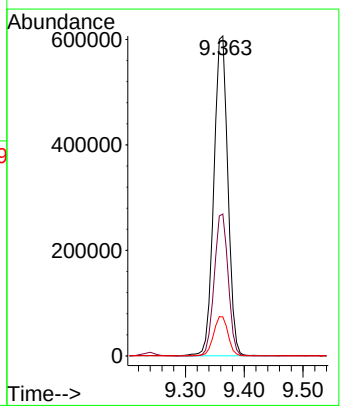
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

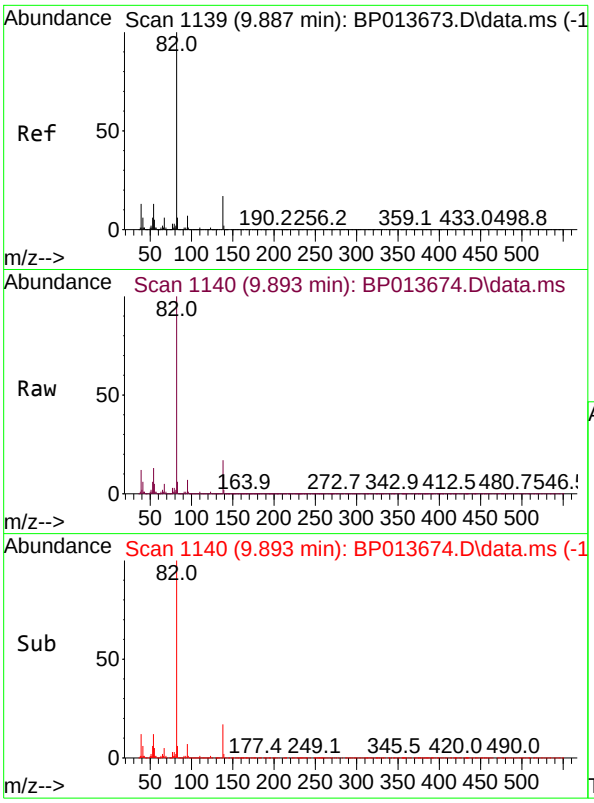


#24
Nitrobenzene
Concen: 54.877 ng
RT: 9.363 min Scan# 1050
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 77 Resp: 1004352

Ion	Ratio	Lower	Upper
77	100		
123	44.3	35.9	53.9
65	12.2	10.2	15.4

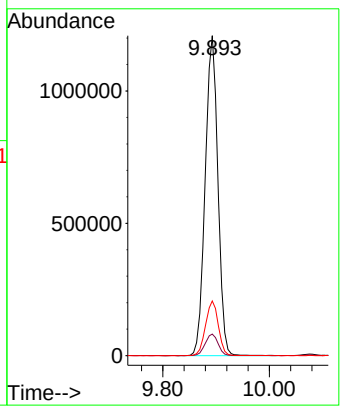




#25
Isophorone
Concen: 53.404 ng
RT: 9.893 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 82 Resp: 199721

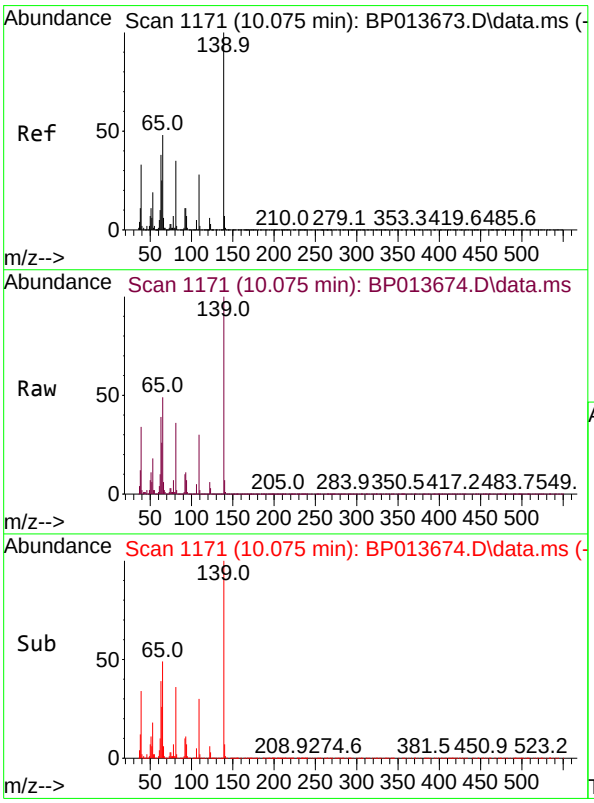
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	17.1	13.9	20.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

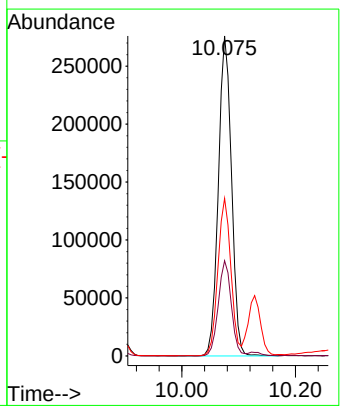
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

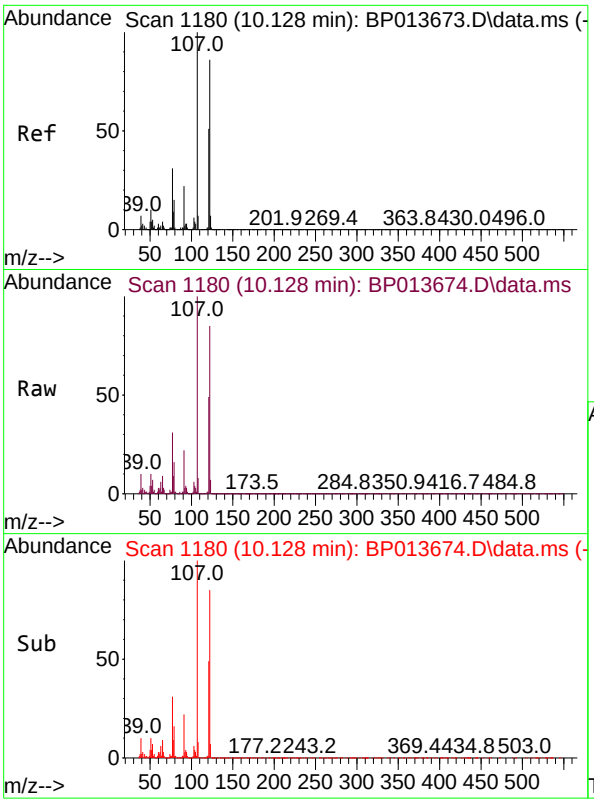


#26
2-Nitrophenol
Concen: 57.547 ng
RT: 10.075 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:139 Resp: 440838

Ion	Ratio	Lower	Upper
139	100		
109	29.7	22.7	34.1
65	49.2	38.8	58.2

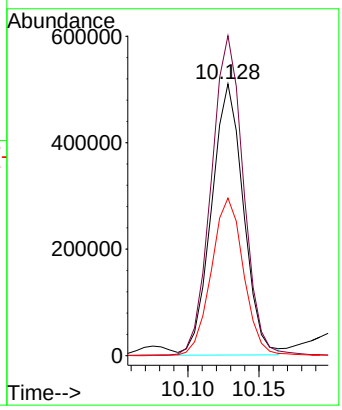




#27
2,4-Dimethylphenol
Concen: 50.763 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:122 Resp: 79613

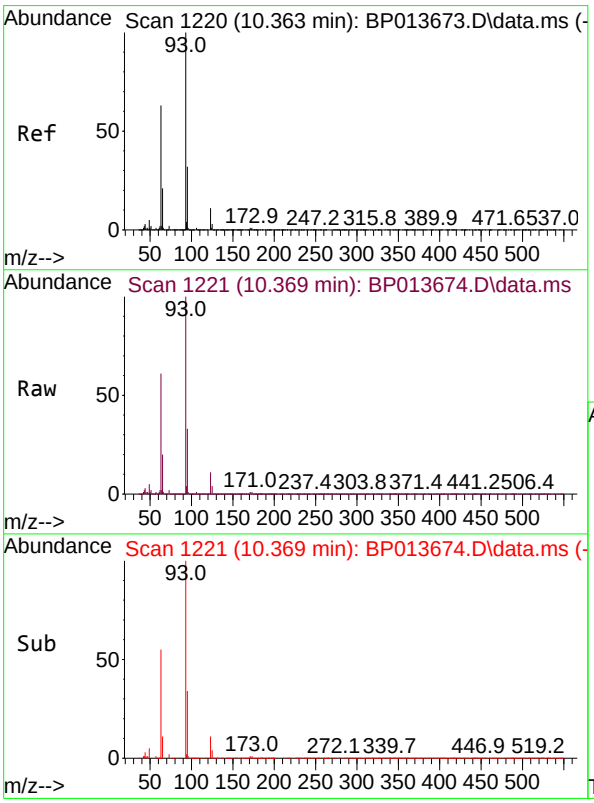
Ion	Ratio	Lower	Upper
122	100		
107	117.8	93.0	139.6
121	58.0	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

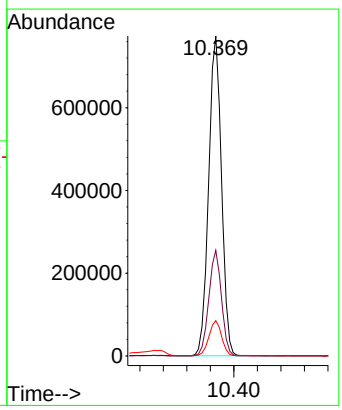
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

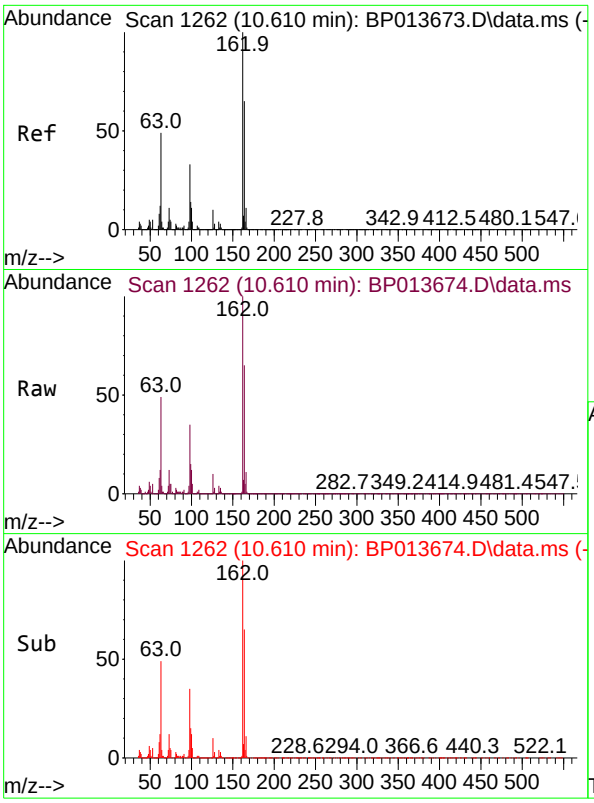


#28
bis(2-Chloroethoxy)methane
Concen: 52.245 ng
RT: 10.369 min Scan# 1221
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 93 Resp: 1171084

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.0	39.0
123	11.0	8.7	13.1

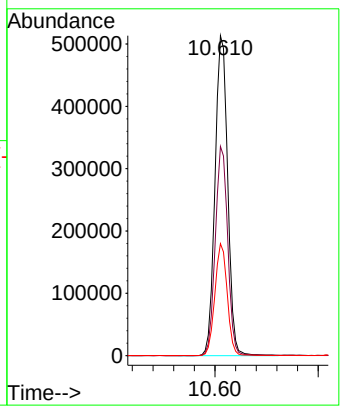




#29
2,4-Dichlorophenol
Concen: 53.202 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:162 Resp: 87397

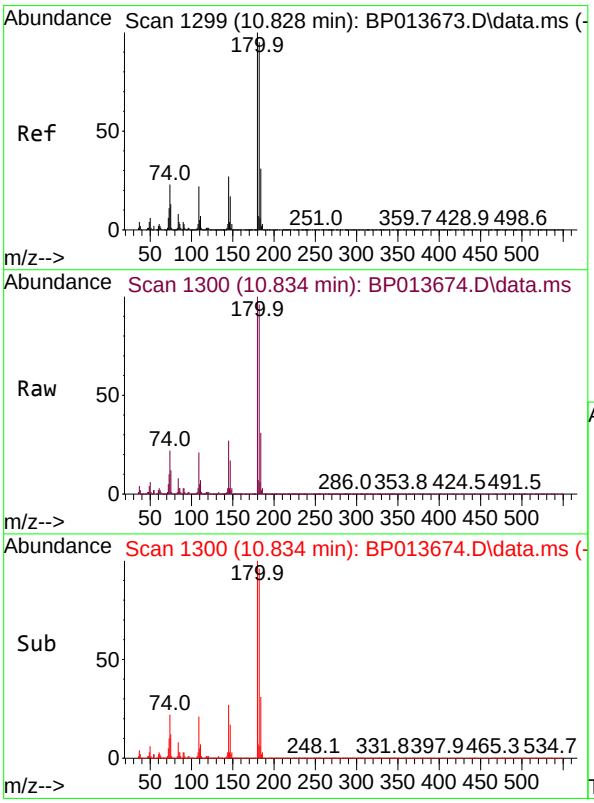
Ion	Ratio	Lower	Upper
162	100		
164	65.4	44.8	84.8
98	35.0	13.4	53.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

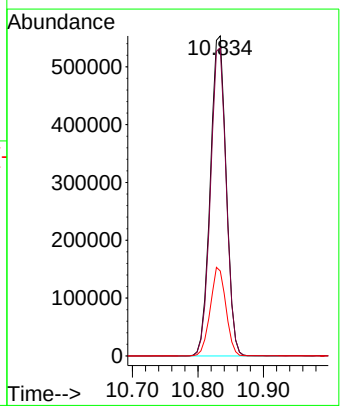
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

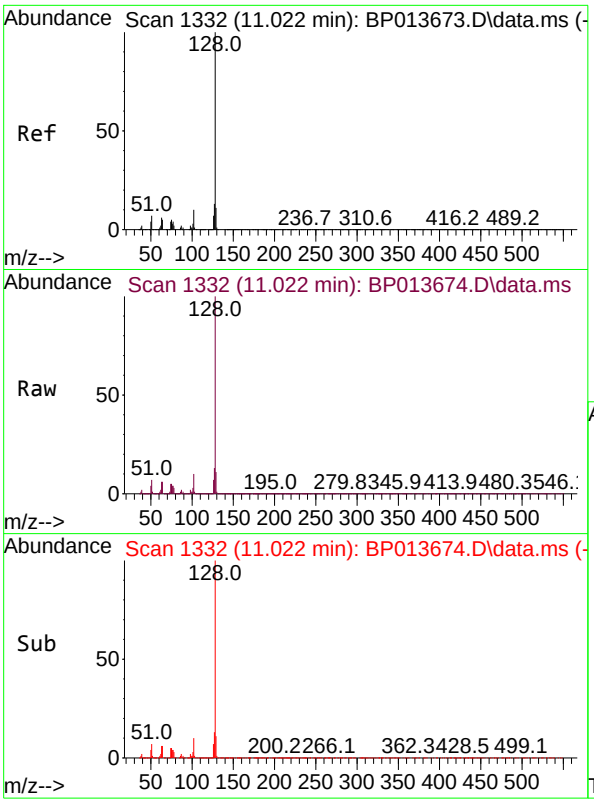


#30
1,2,4-Trichlorobenzene
Concen: 51.092 ng
RT: 10.834 min Scan# 1300
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:180 Resp: 931303

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.4	114.6
145	26.5	21.9	32.9

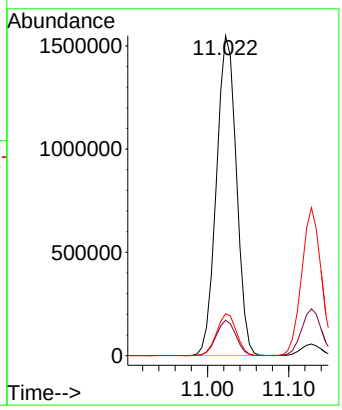




#31
Naphthalene
Concen: 51.221 ng
RT: 11.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:128 Resp: 264343

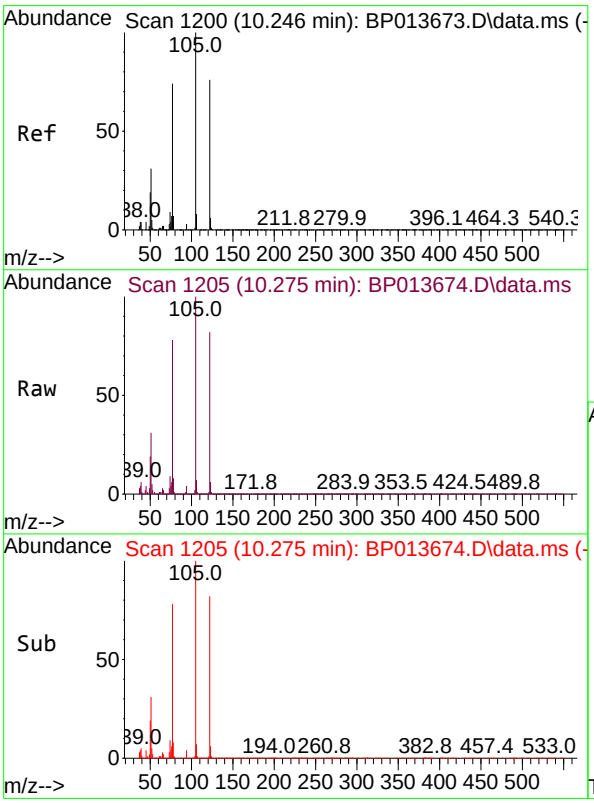
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.1	10.5	15.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

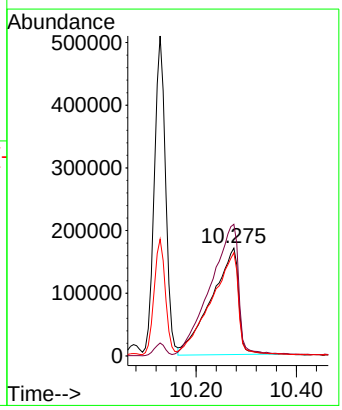
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

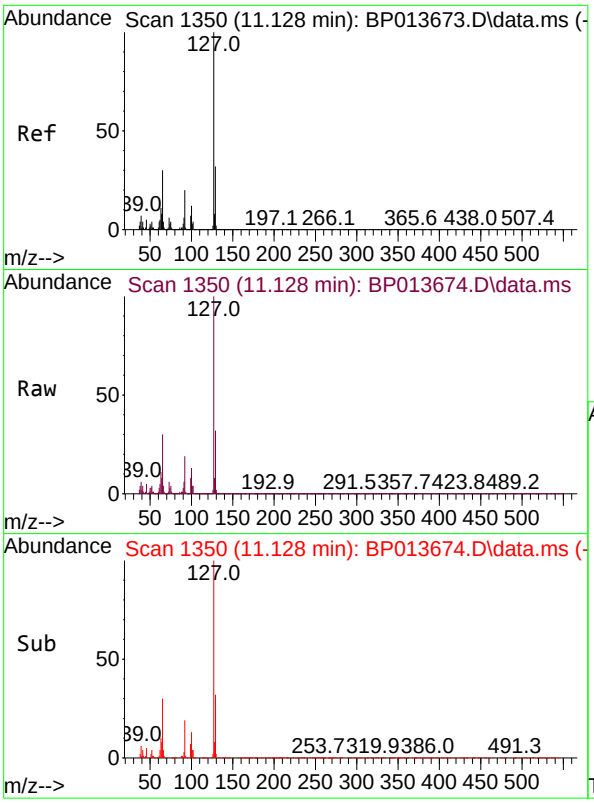


#32
Benzoic acid
Concen: 56.945 ng
RT: 10.275 min Scan# 1205
Delta R.T. 0.029 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:122 Resp: 638926

Ion	Ratio	Lower	Upper
122	100		
105	122.1	105.5	145.5
77	95.7	74.7	114.7

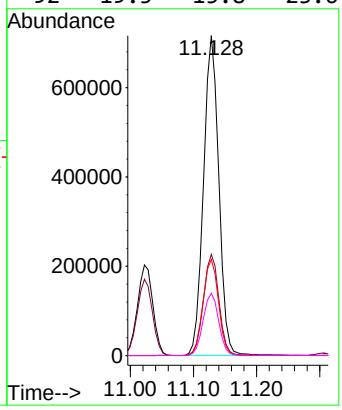




#33
4-Chloroaniline
Concen: 53.195 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:127 Resp: 120626

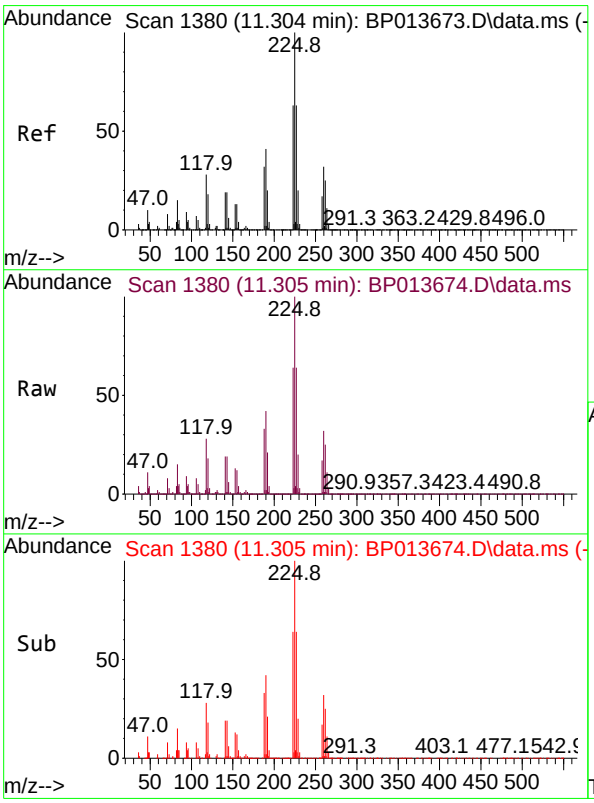
Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.3	37.9
65	30.0	23.8	35.8
92	19.5	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

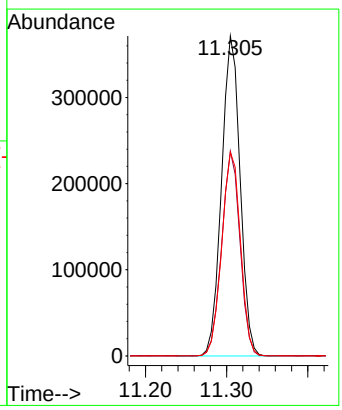
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

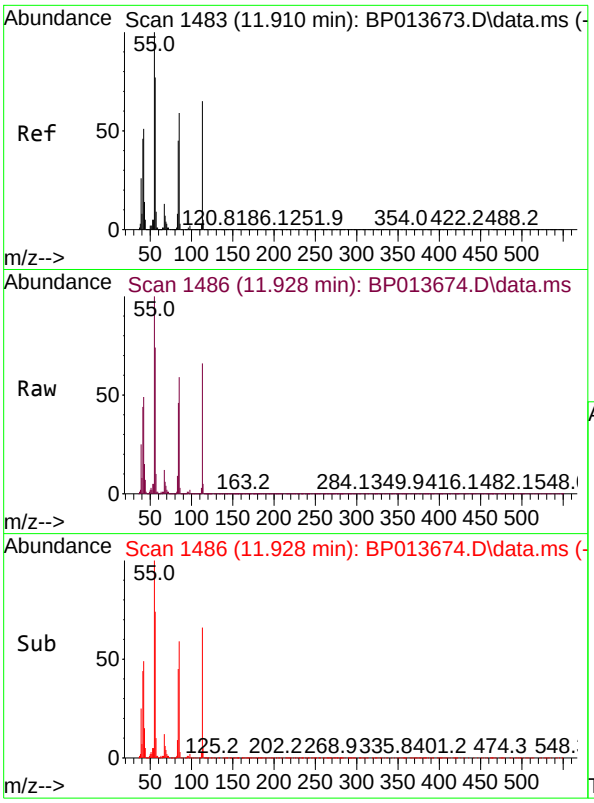


#34
Hexachlorobutadiene
Concen: 50.796 ng
RT: 11.305 min Scan# 1380
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:225 Resp: 587740

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.5	75.7
227	63.6	50.6	75.8





#35
Caprolactam
Concen: 55.990 ng
RT: 11.928 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

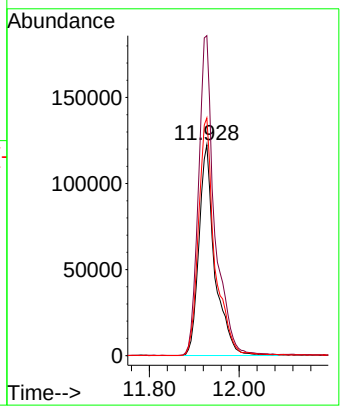
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

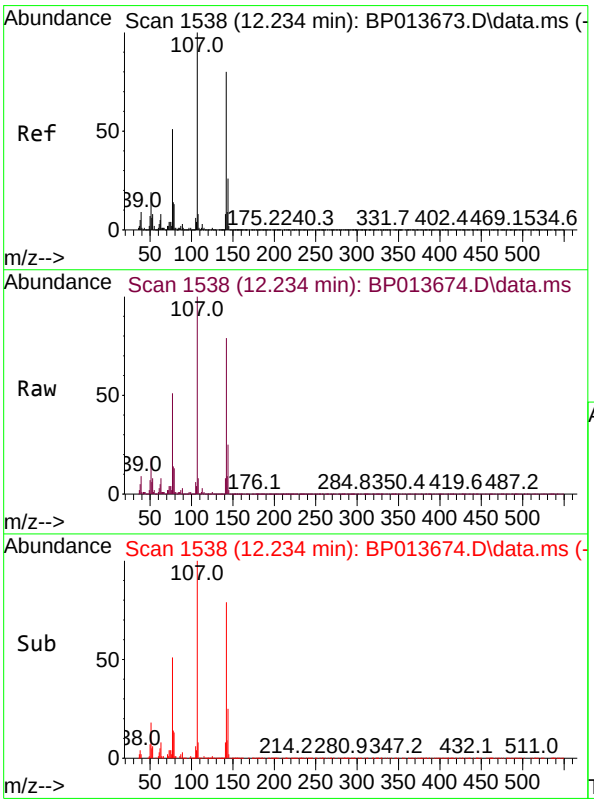
Tgt Ion:113 Resp: 30089

Ion	Ratio	Lower	Upper
113	100		
55	151.8	133.0	173.0
56	112.7	97.4	137.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

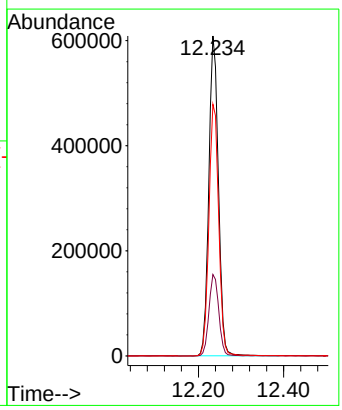


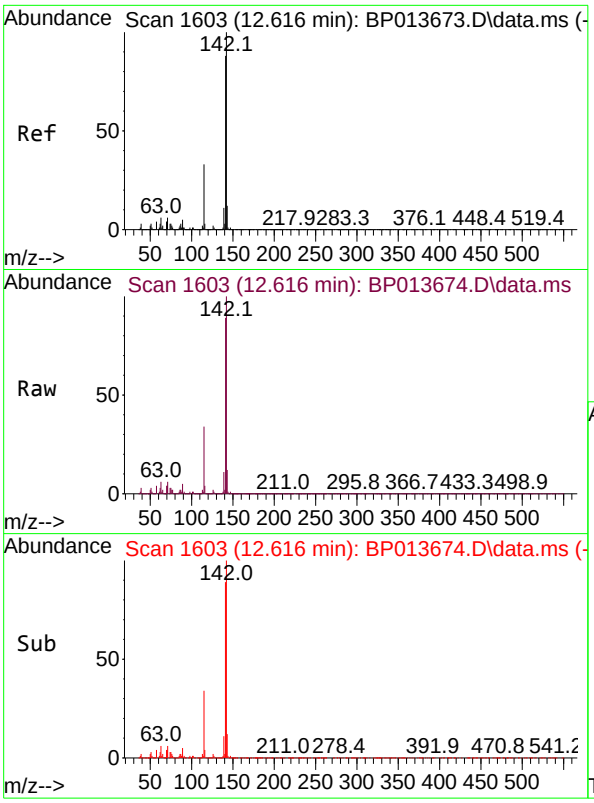


#36
4-Chloro-3-methylphenol
Concen: 54.897 ng
RT: 12.234 min Scan# 1538
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:107 Resp: 948633

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.8	31.2
142	78.6	64.0	96.0

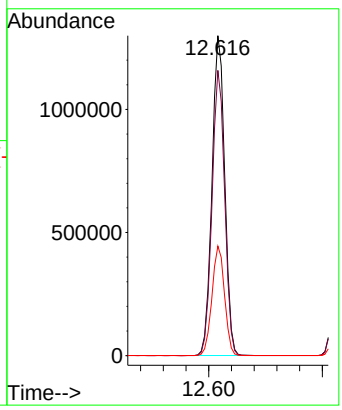




#37
2-Methylnaphthalene
Concen: 52.106 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:142 Resp: 202192

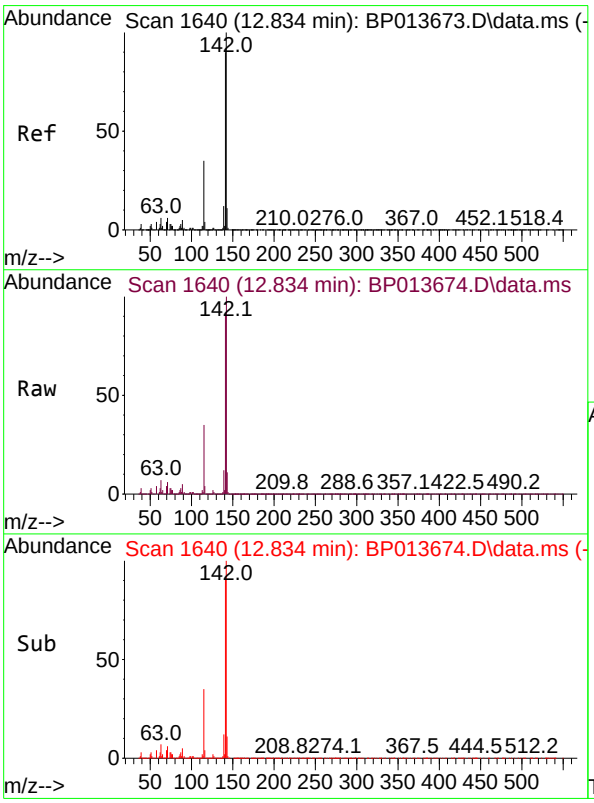
Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.3	105.5
115	34.2	26.4	39.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

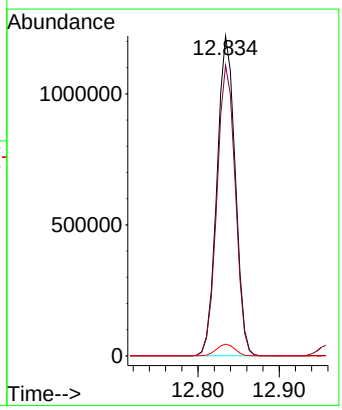
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

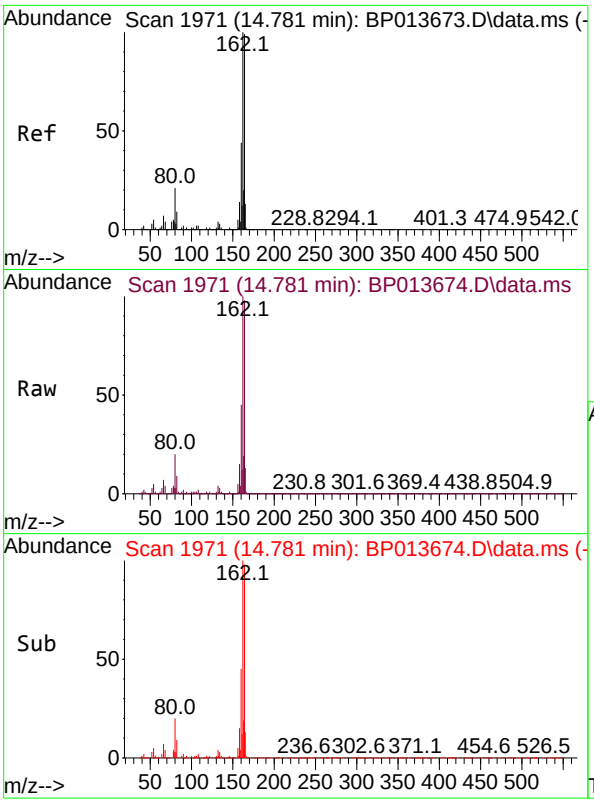


#38
1-Methylnaphthalene
Concen: 52.190 ng
RT: 12.834 min Scan# 1640
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:142 Resp: 1902398

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.2	108.4
116	3.7	3.0	4.4

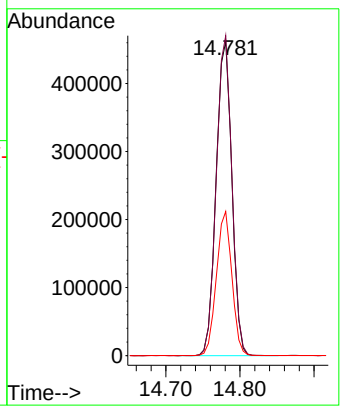




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.781 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:164 Resp: 680781

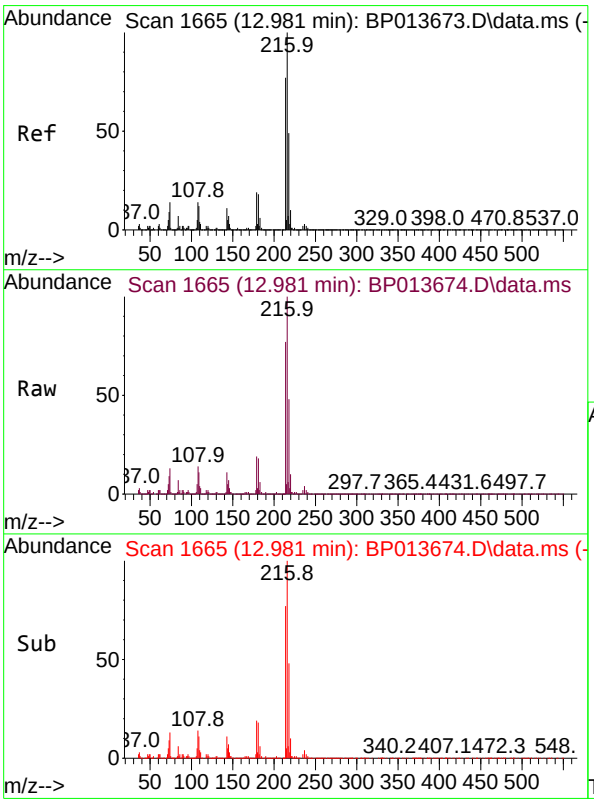
Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.8	121.2
160	45.9	35.6	53.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

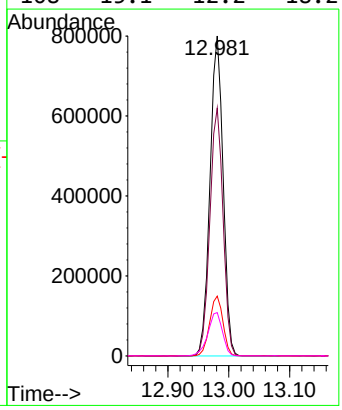
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

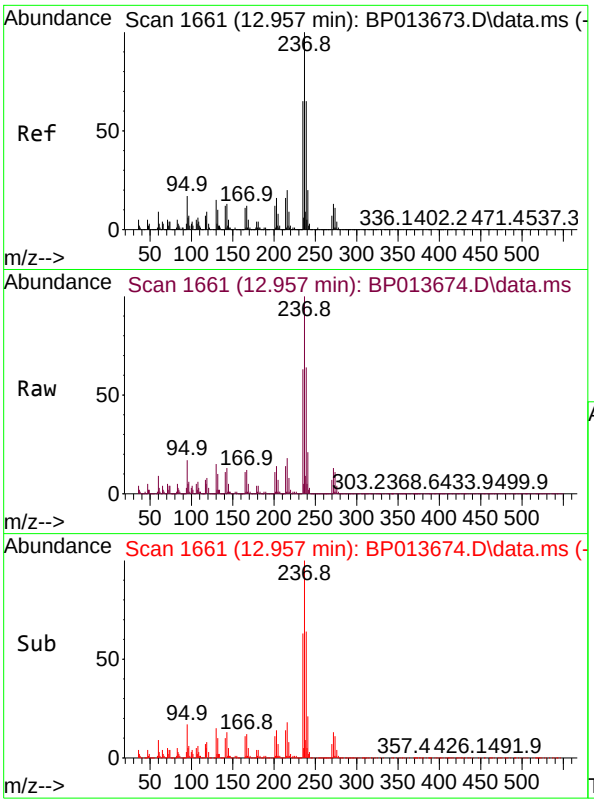


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.425 ng
RT: 12.981 min Scan# 1665
Delta R.T. -0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:216 Resp: 1195218

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.6	94.0
179	19.0	15.2	22.8
108	15.1	12.2	18.2

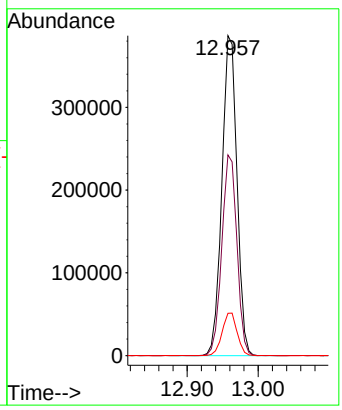




#41
Hexachlorocyclopentadiene
Concen: 53.749 ng
RT: 12.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:237 Resp: 57018

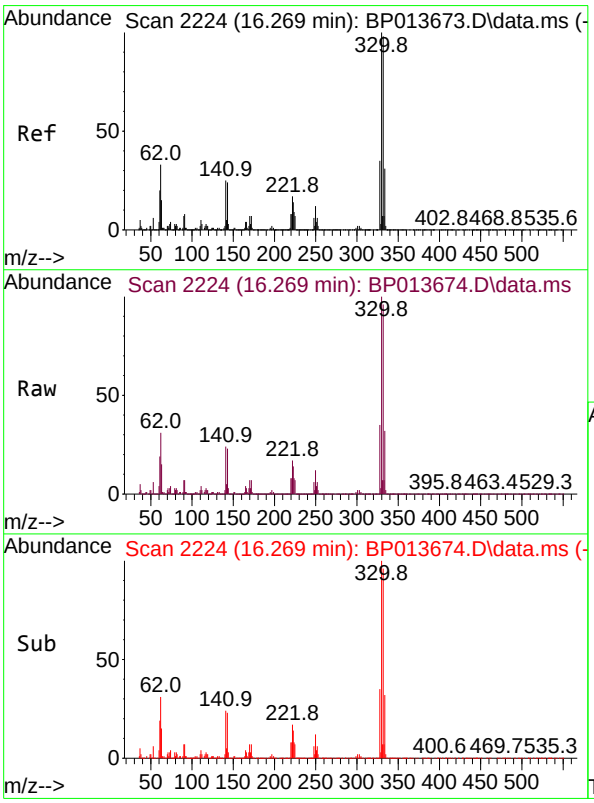
Ion	Ratio	Lower	Upper
237	100		
235	62.8	44.6	84.6
272	13.3	0.0	33.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

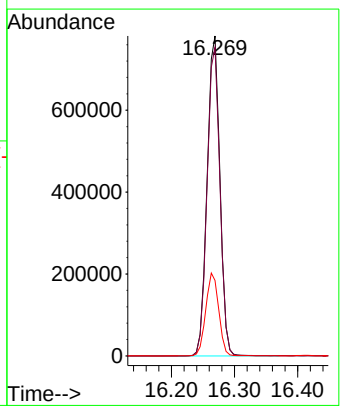
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

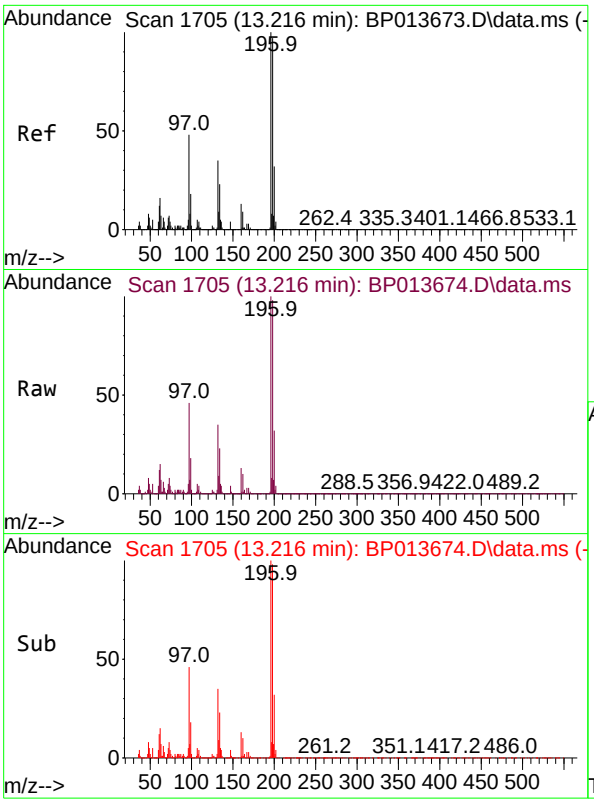


#42
2,4,6-Tribromophenol
Concen: 107.548 ng
RT: 16.269 min Scan# 2224
Delta R.T. -0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:330 Resp: 1098171

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	26.1	21.3	31.9

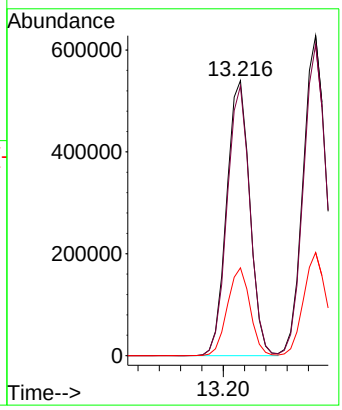




#43
2,4,6-Trichlorophenol
Concen: 53.169 ng
RT: 13.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:196 Resp: 81371

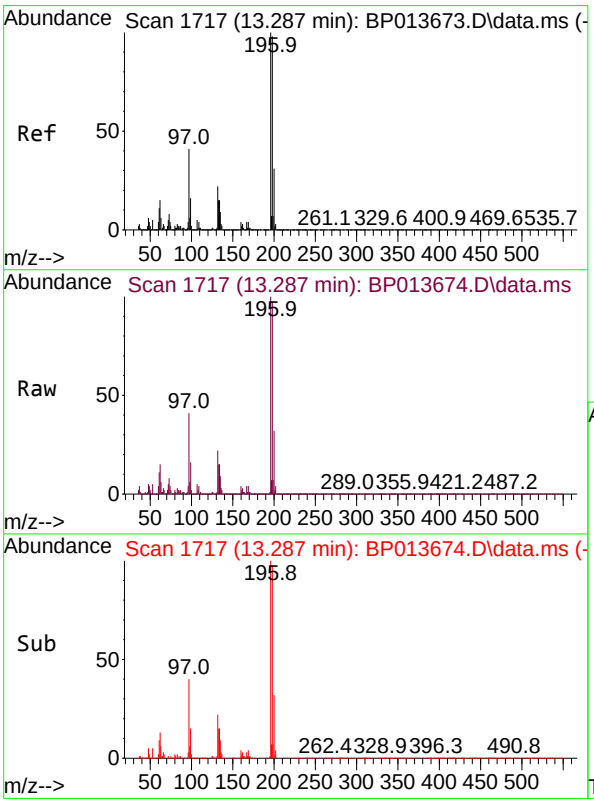
Ion	Ratio	Lower	Upper
196	100		
198	98.1	77.5	116.3
200	31.9	25.3	37.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

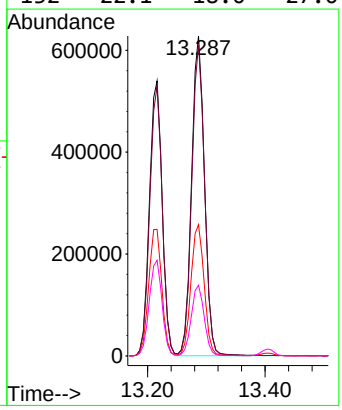
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

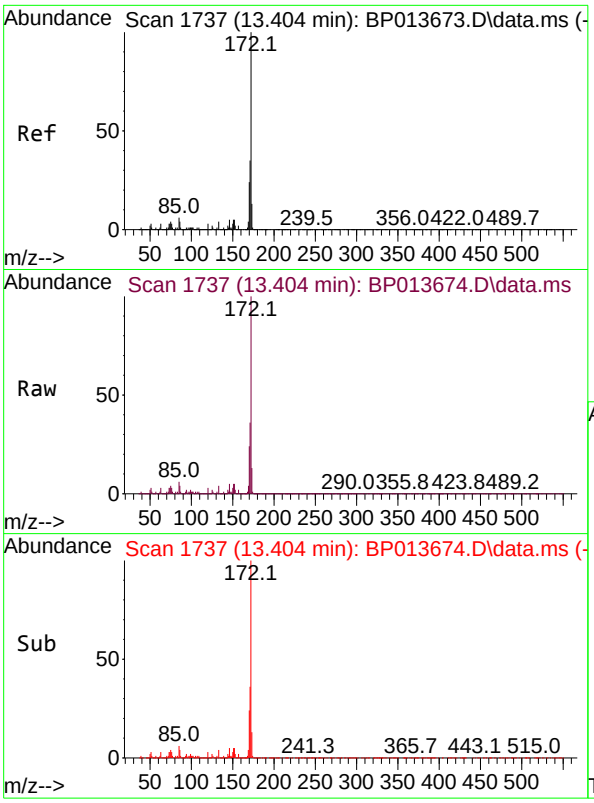


#44
2,4,5-Trichlorophenol
Concen: 53.400 ng
RT: 13.287 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:196 Resp: 956875

Ion	Ratio	Lower	Upper
196	100		
198	97.3	78.2	117.2
97	41.0	33.2	49.8
132	22.1	18.0	27.0

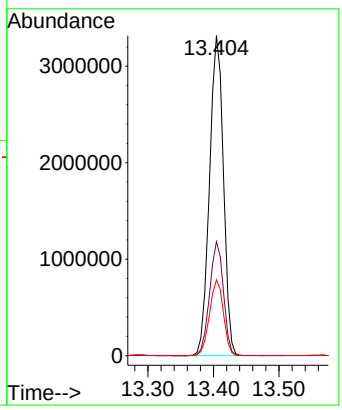




#45
2-Fluorobiphenyl
Concen: 100.589 ng
RT: 13.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:172 Resp: 489389

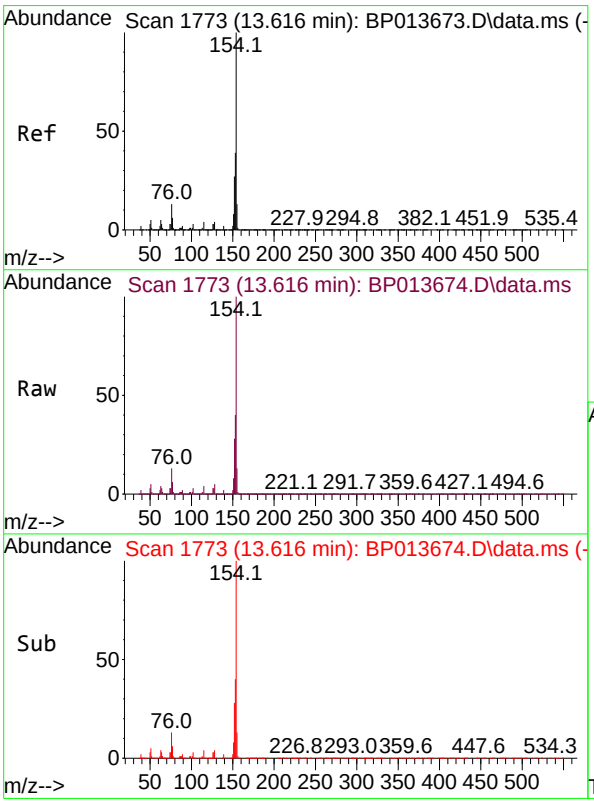
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.2
170	23.6	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

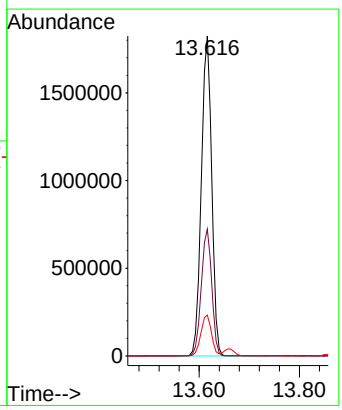
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

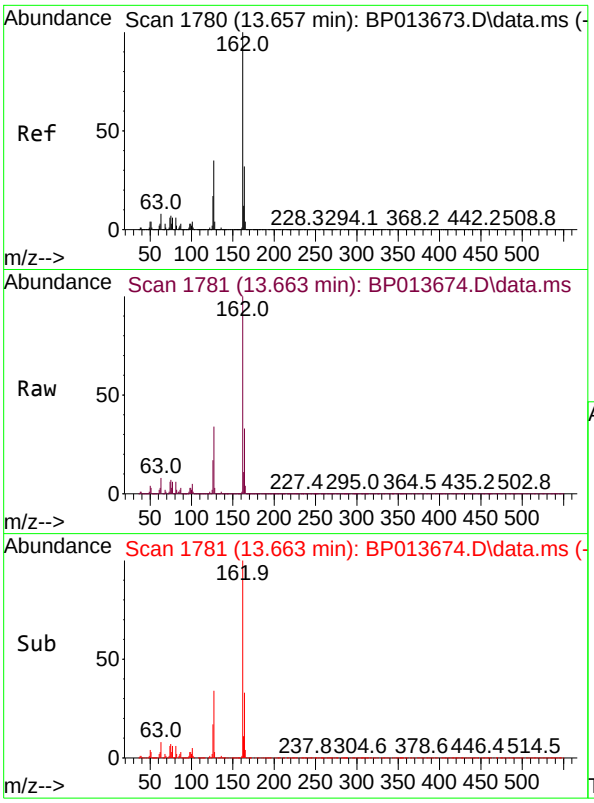


#46
1,1'-Biphenyl
Concen: 50.723 ng
RT: 13.616 min Scan# 1773
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:154 Resp: 2613104

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.3	59.3
76	12.7	0.0	33.1

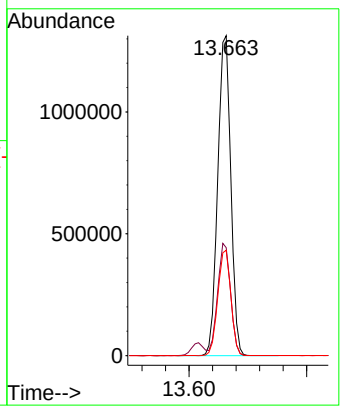




#47
2-Chloronaphthalene
Concen: 50.758 ng
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:162 Resp: 202125

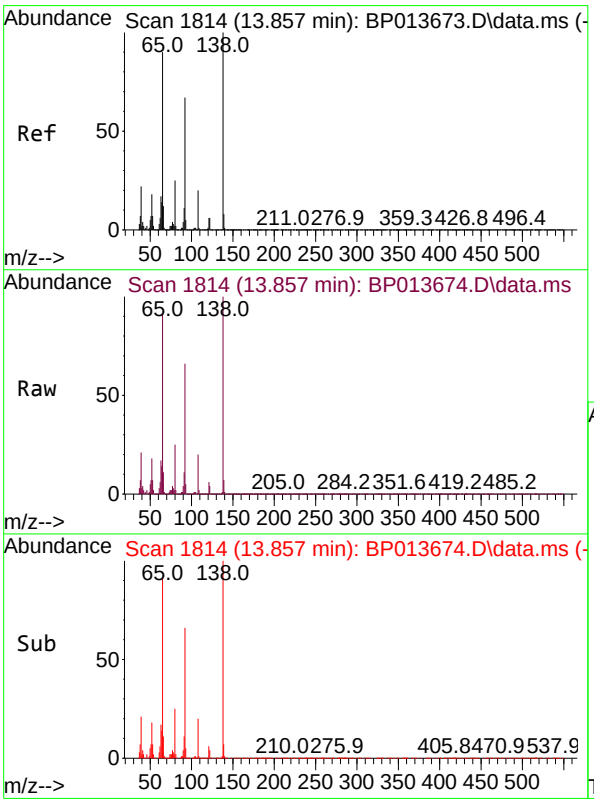
Ion	Ratio	Lower	Upper
162	100		
127	33.7	28.3	42.5
164	32.9	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

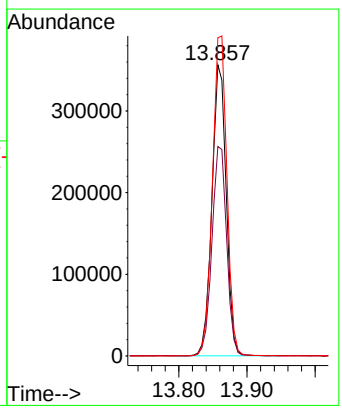
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

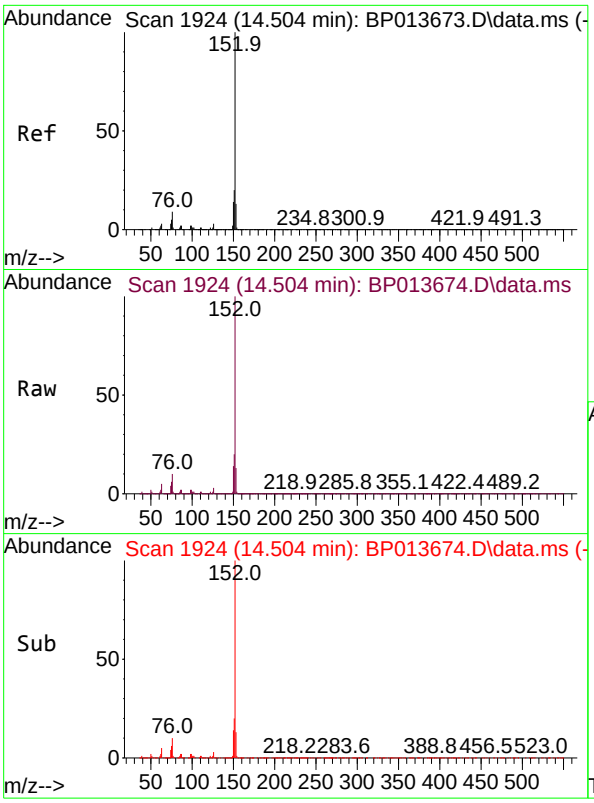


#48
2-Nitroaniline
Concen: 60.660 ng
RT: 13.857 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 65 Resp: 516160

Ion	Ratio	Lower	Upper
65	100		
92	72.0	59.4	89.0
138	109.4	88.6	133.0

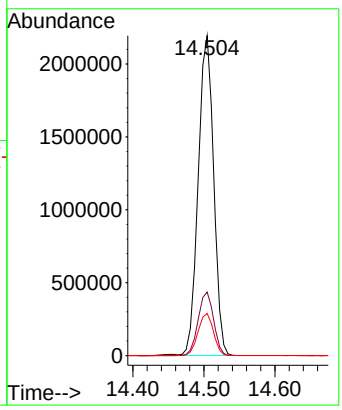




#49
Acenaphthylene
Concen: 51.354 ng
RT: 14.504 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:152 Resp: 329783

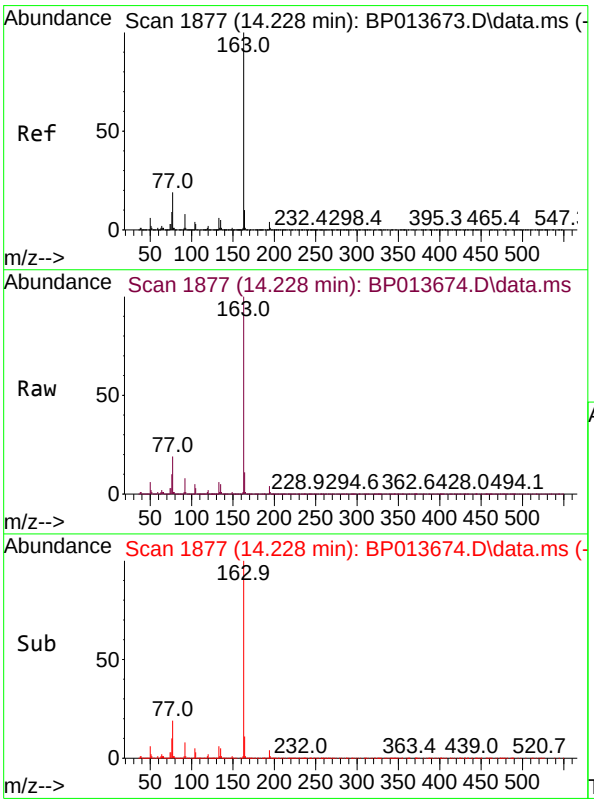
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.2	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

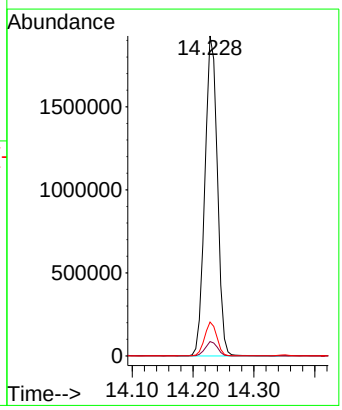
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

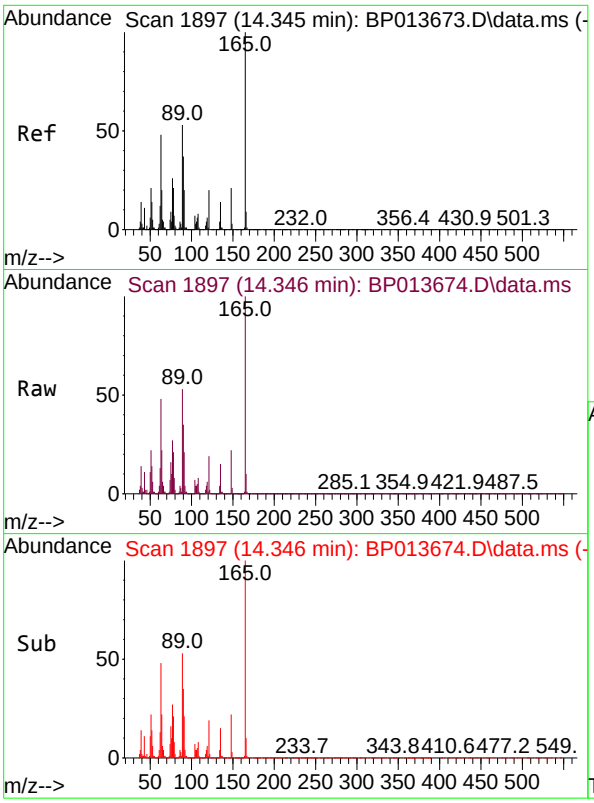


#50
Dimethylphthalate
Concen: 51.994 ng
RT: 14.228 min Scan# 1877
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:163 Resp: 2737836

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.6	8.4	12.6

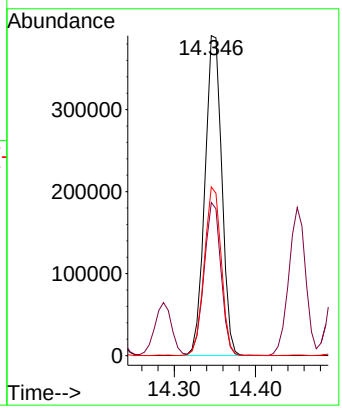




#51
2,6-Dinitrotoluene
Concen: 60.102 ng
RT: 14.346 min Scan# 18
Delta R.T. 0.001 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:165 Resp: 56563

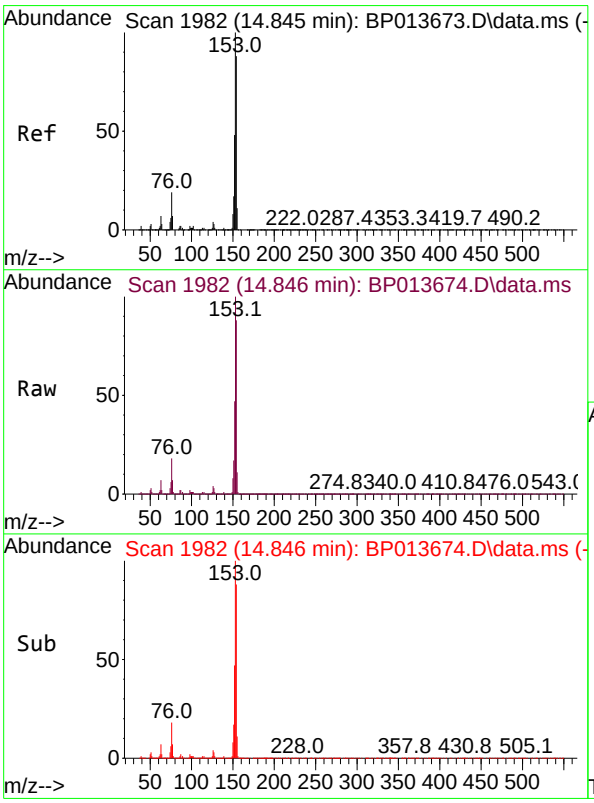
Ion	Ratio	Lower	Upper
165	100		
63	47.9	39.8	59.6
89	52.7	42.4	63.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

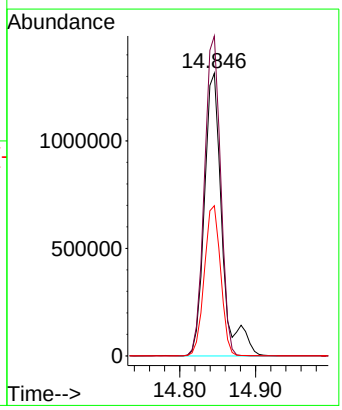
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

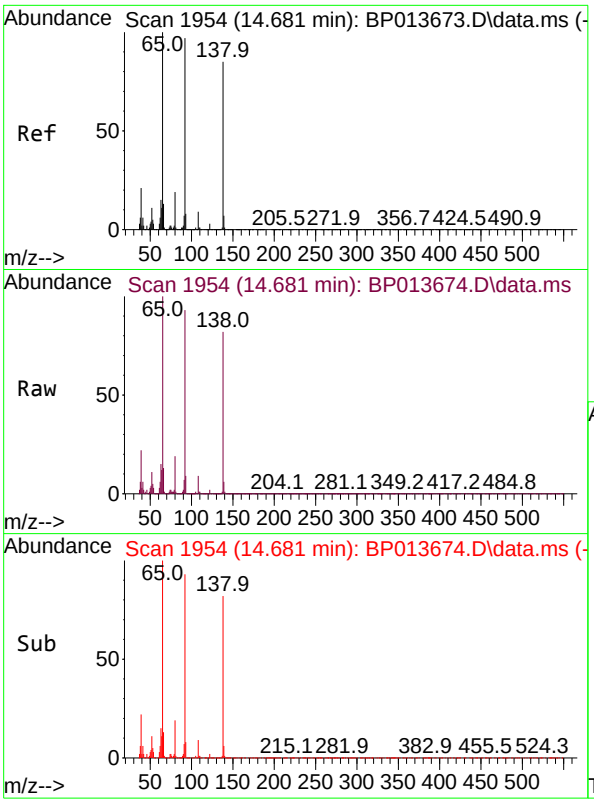


#52
Acenaphthene
Concen: 52.938 ng m
RT: 14.846 min Scan# 1982
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:154 Resp: 2120453

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.6	135.8
152	53.1	43.4	65.0

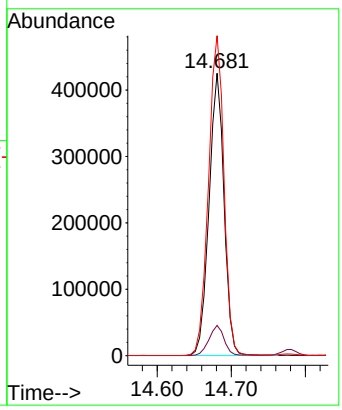




#53
3-Nitroaniline
Concen: 58.395 ng
RT: 14.681 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:138 Resp: 599344

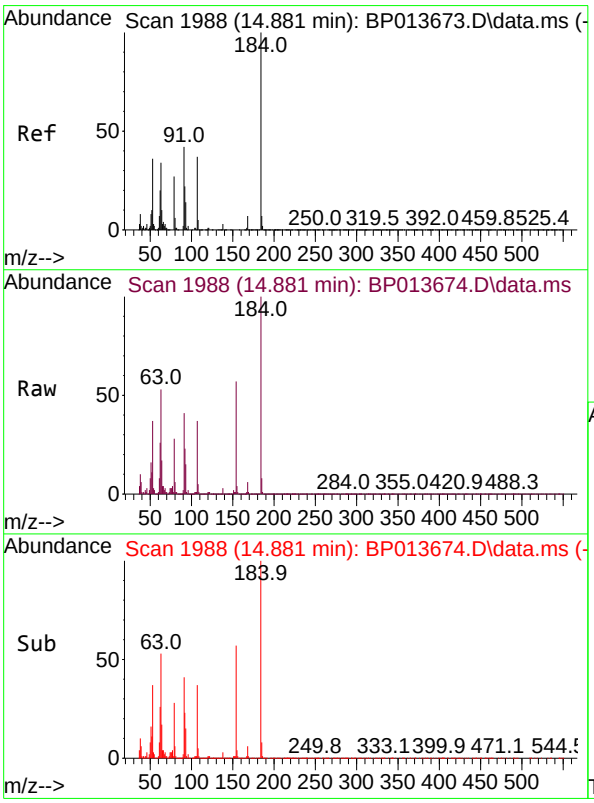
Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.5	12.7
92	113.3	91.5	137.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

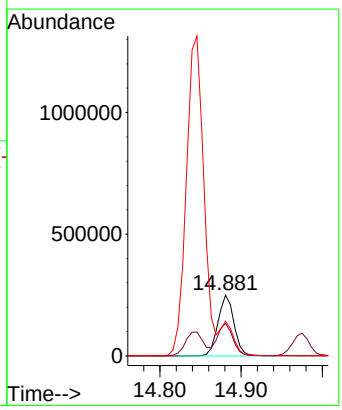
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

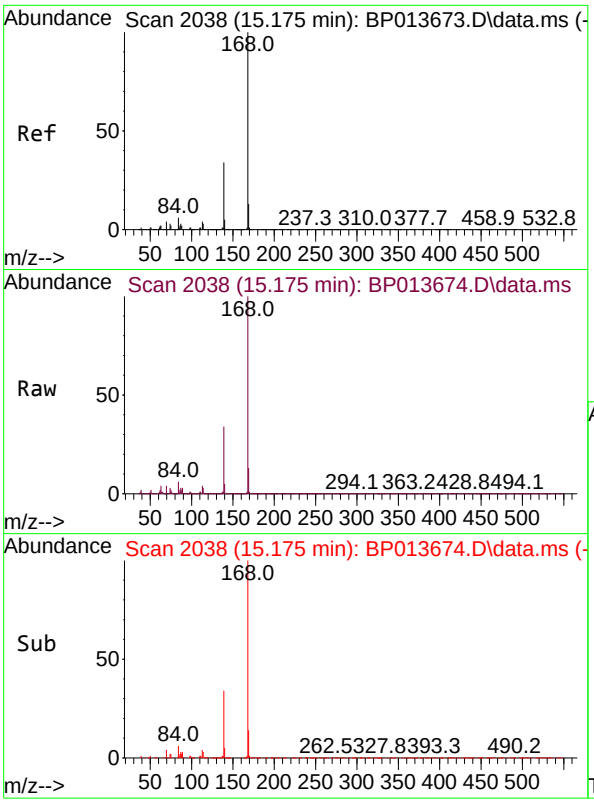


#54
2,4-Dinitrophenol
Concen: 59.703 ng
RT: 14.881 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:184 Resp: 341966

Ion	Ratio	Lower	Upper
184	100		
63	53.2	41.4	62.0
154	56.9	44.3	66.5

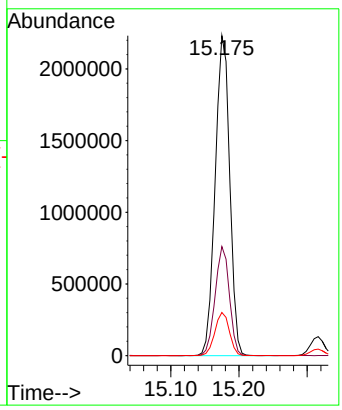




#55
Dibenzofuran
Concen: 50.669 ng
RT: 15.175 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:168 Resp: 327845

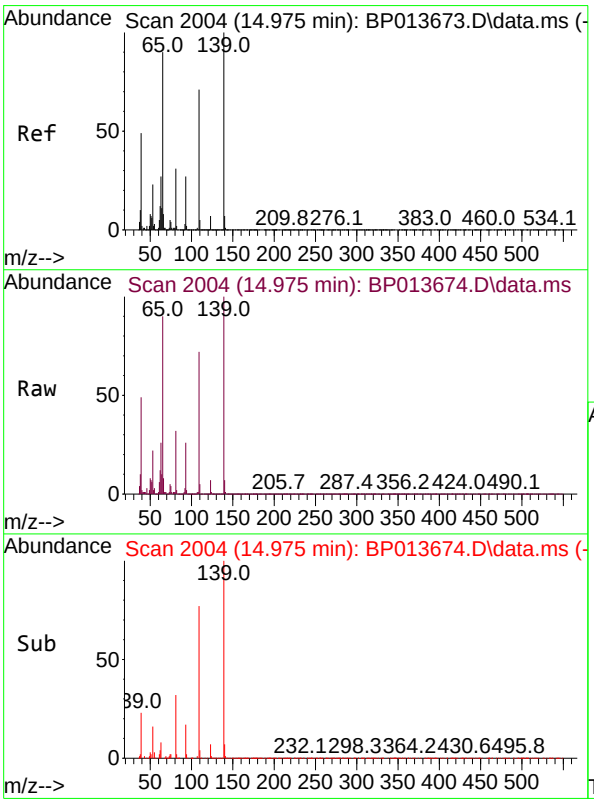
Ion	Ratio	Lower	Upper
168	100		
139	34.1	27.4	41.2
169	13.5	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

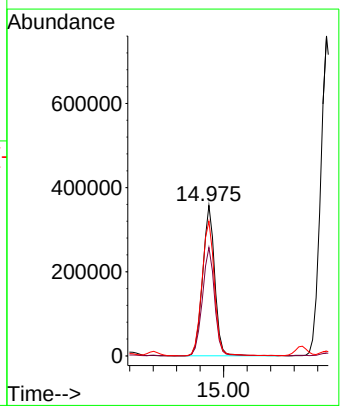
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

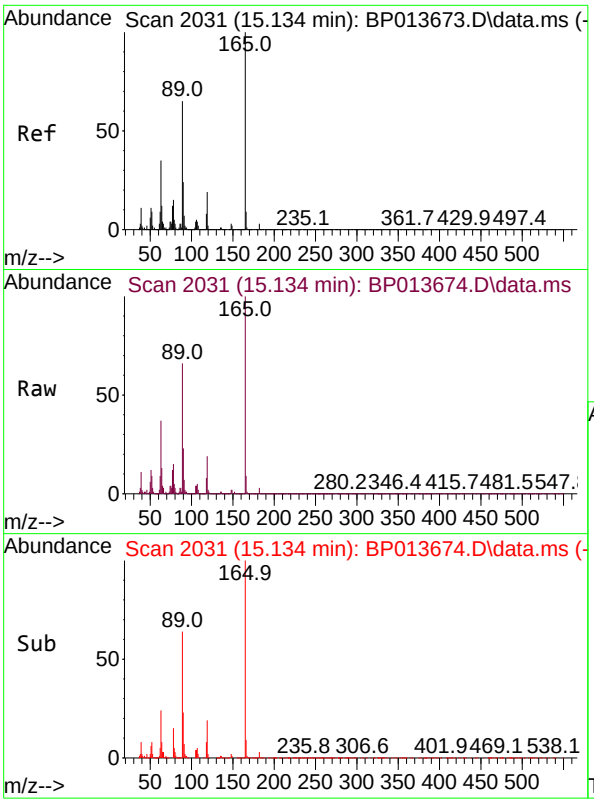


#56
4-Nitrophenol
Concen: 55.894 ng
RT: 14.975 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:139 Resp: 510298

Ion	Ratio	Lower	Upper
139	100		
109	72.1	50.9	90.9
65	89.5	70.0	110.0

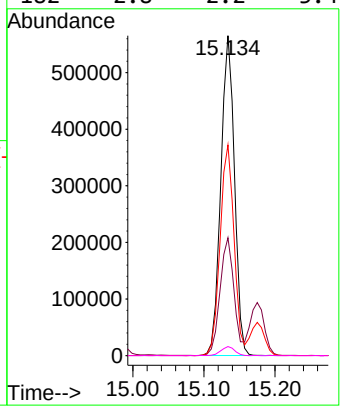




#57
2,4-Dinitrotoluene
Concen: 61.402 ng
RT: 15.134 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:165 Resp: 75834

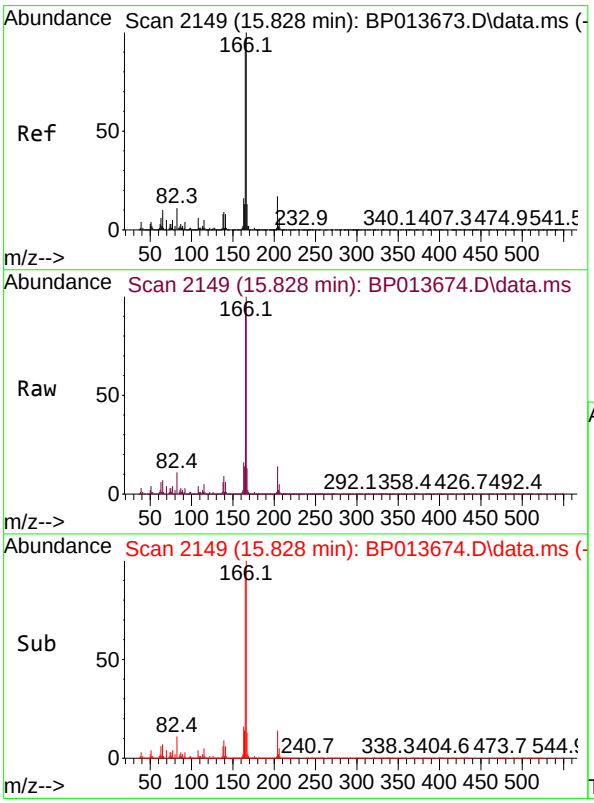
Ion	Ratio	Lower	Upper
165	100		
63	36.8	28.1	42.1
89	65.8	52.0	78.0
182	2.8	2.2	3.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

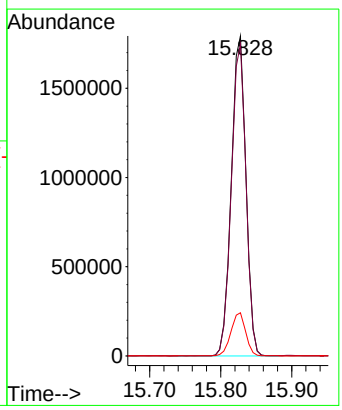
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

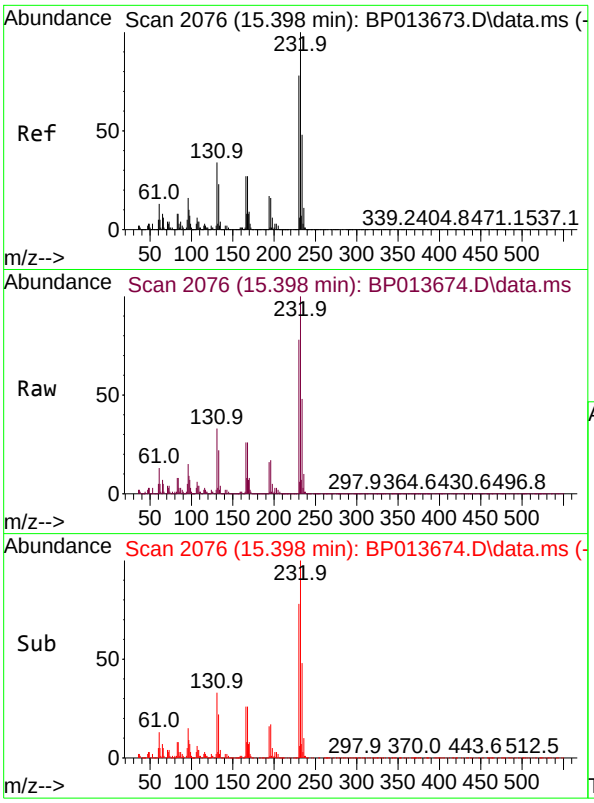


#58
Fluorene
Concen: 50.442 ng
RT: 15.828 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:166 Resp: 2562458

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.6	116.4
167	13.5	10.6	15.8

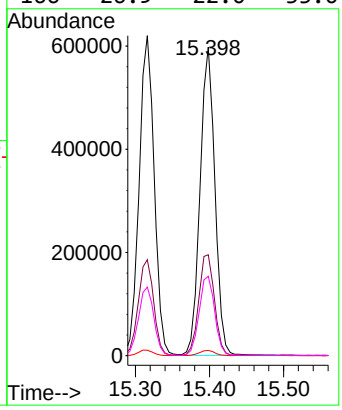




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.378 ng
RT: 15.398 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:232 Resp: 831714

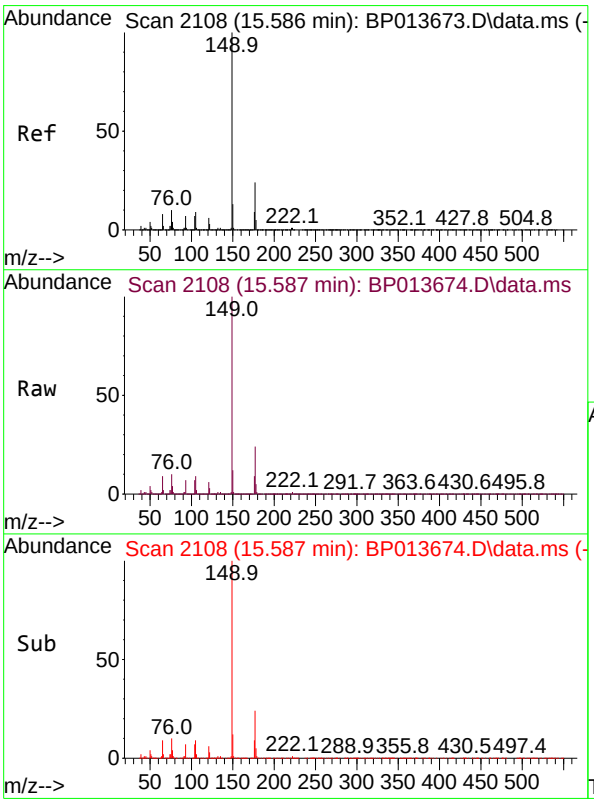
Ion	Ratio	Lower	Upper
232	100		
131	34.6	27.9	41.9
130	1.7	1.4	2.0
166	26.9	22.0	33.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

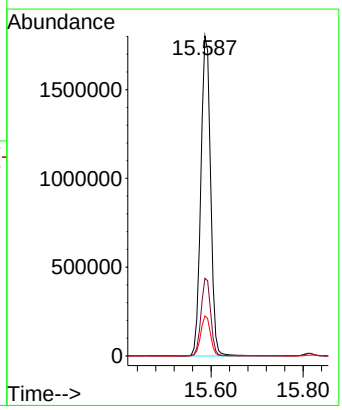
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

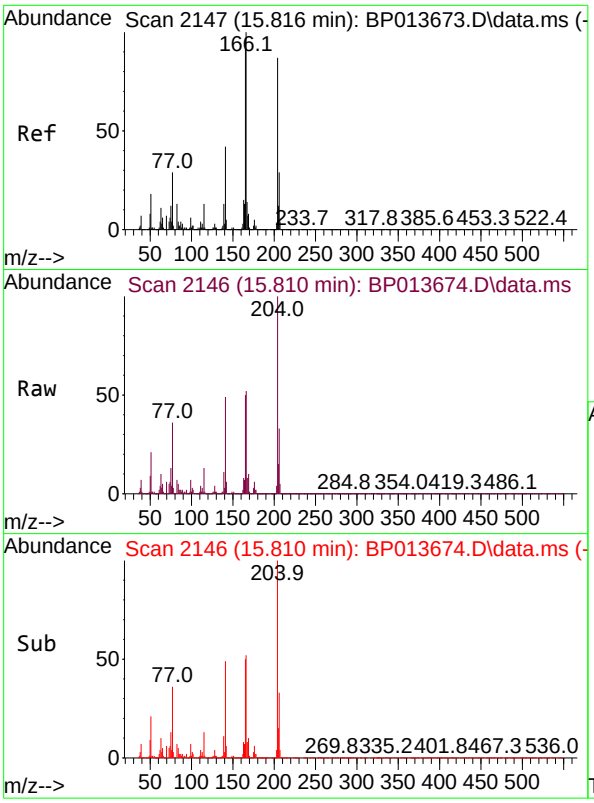


#60
Diethylphthalate
Concen: 52.054 ng
RT: 15.587 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:149 Resp: 2627662

Ion	Ratio	Lower	Upper
149	100		
177	24.2	19.2	28.8
150	12.5	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 51.142 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

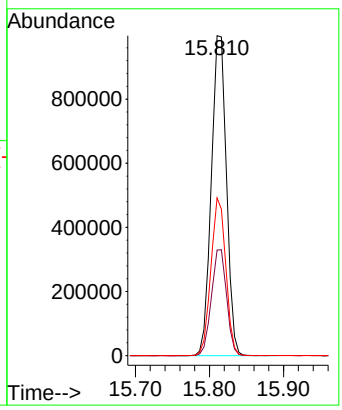
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

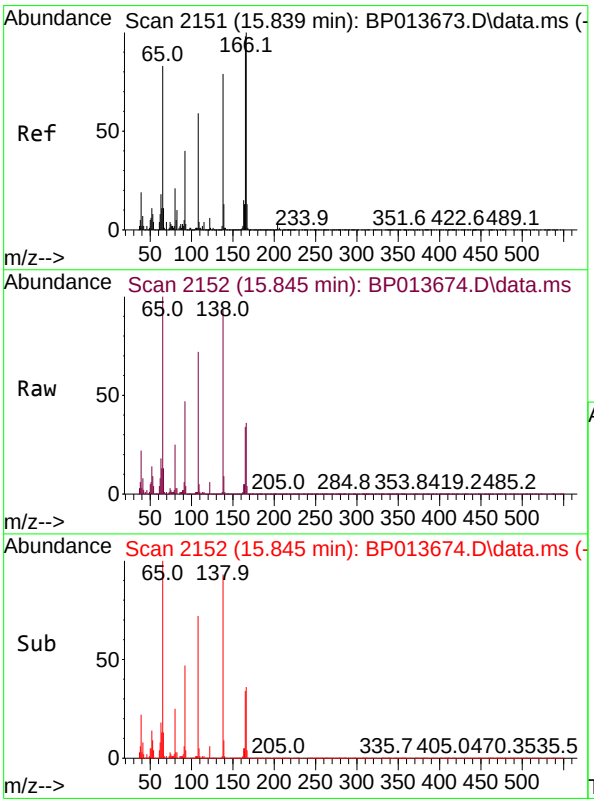
Tgt Ion:204 Resp: 141476

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.6	40.0
141	49.3	38.1	57.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

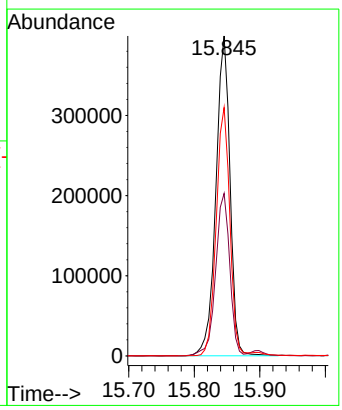


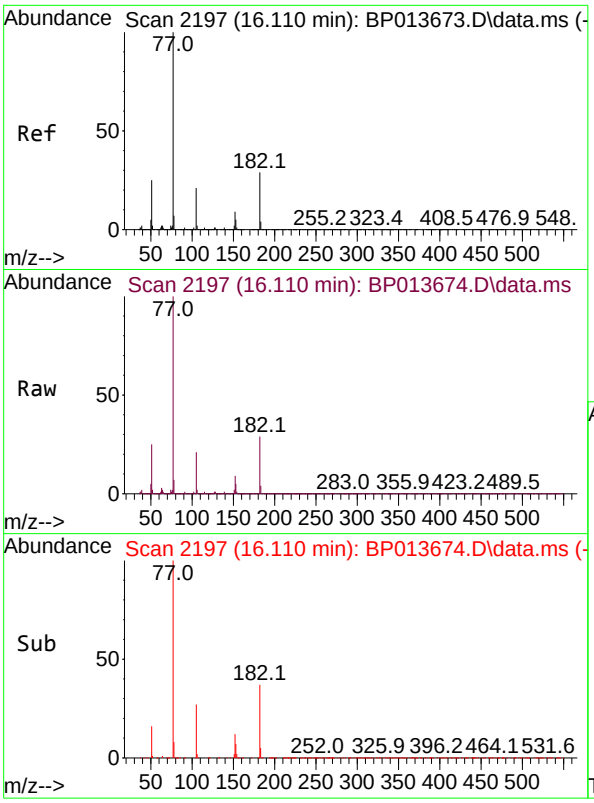


#62
4-Nitroaniline
Concen: 58.856 ng
RT: 15.845 min Scan# 2152
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:138 Resp: 599897

Ion	Ratio	Lower	Upper
138	100		
92	50.8	30.3	70.3
108	77.6	55.4	95.4

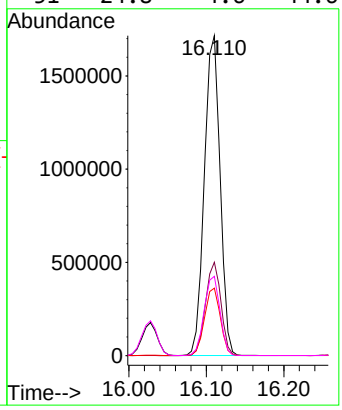




#63
Azobenzene
Concen: 51.872 ng
RT: 16.110 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion: 77 Resp: 241886

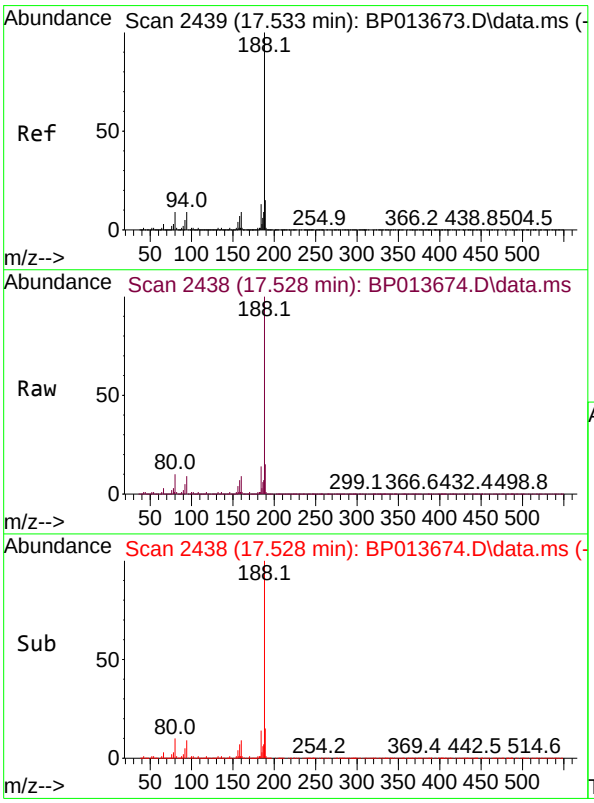
Ion	Ratio	Lower	Upper
77	100		
182	29.2	9.3	49.3
105	21.1	1.1	41.1
51	24.8	4.6	44.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

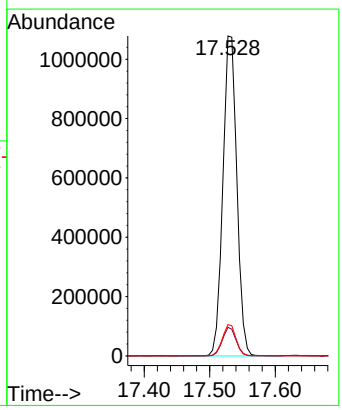
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

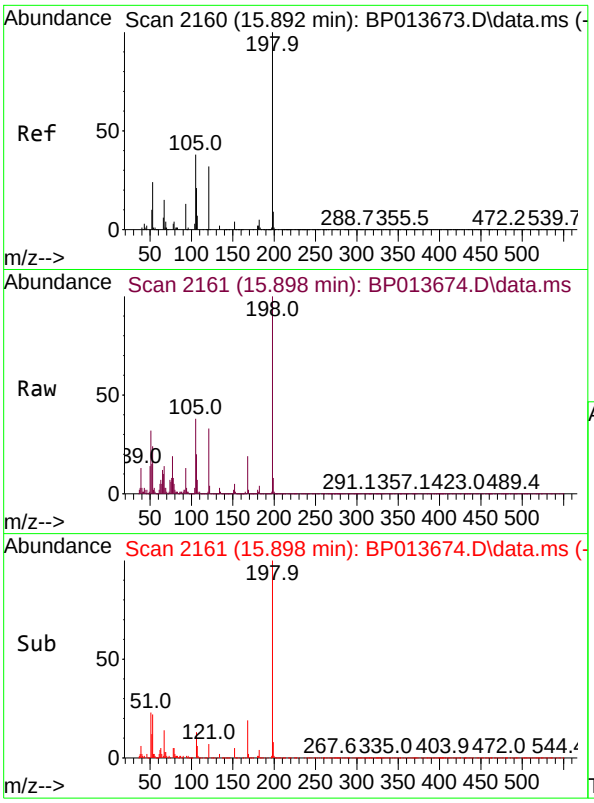


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.528 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:188 Resp: 1595373

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.9	10.3
80	9.8	7.4	11.0





#65
4,6-Dinitro-2-methylphenol
Concen: 57.504 ng
RT: 15.898 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

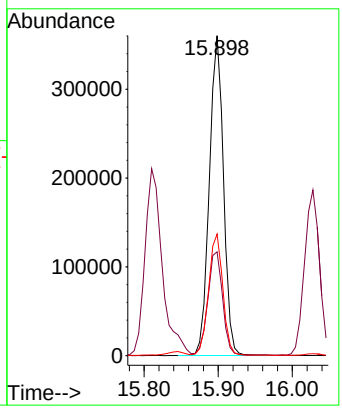
Tgt Ion:198 Resp: 478118

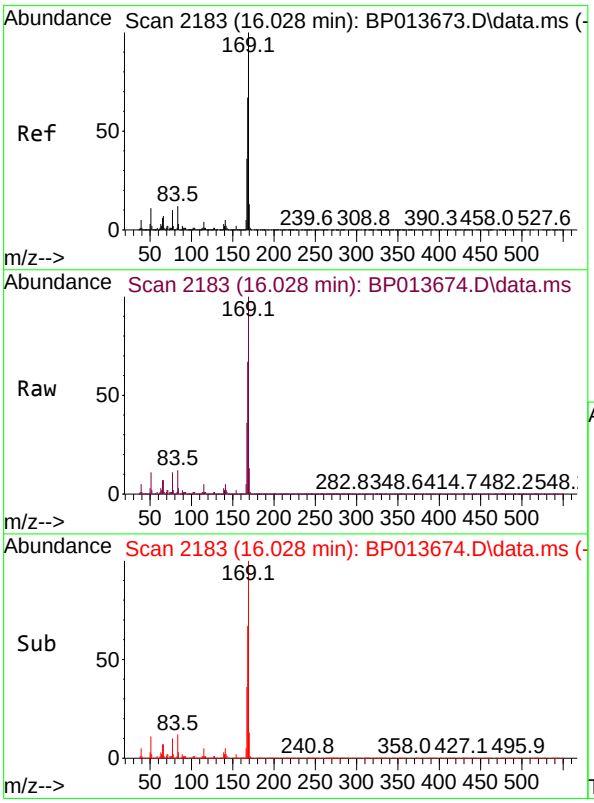
Ion	Ratio	Lower	Upper
198	100		
51	32.4	15.4	55.4
105	38.0	18.3	58.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

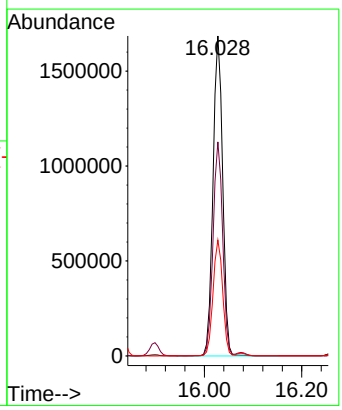


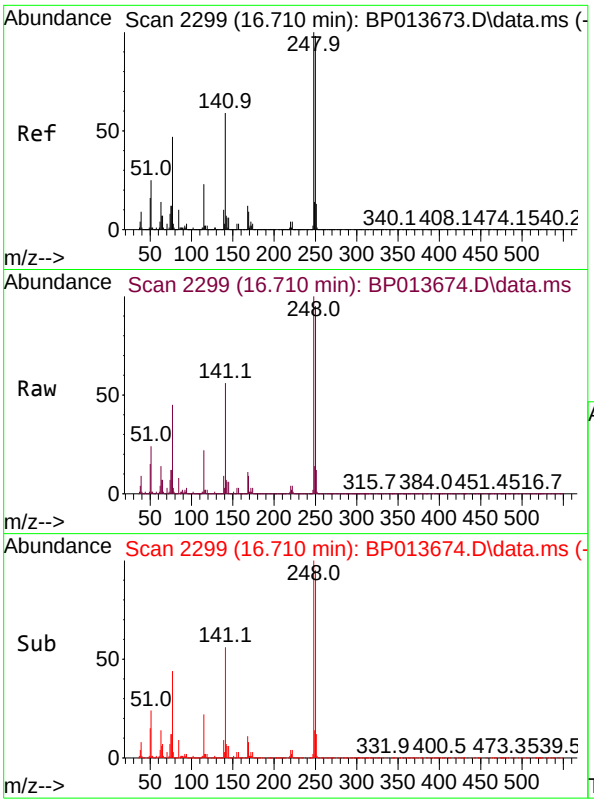


#66
n-Nitrosodiphenylamine
Concen: 49.961 ng
RT: 16.028 min Scan# 2183
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:169 Resp: 2319177

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.8	80.6
167	36.2	28.9	43.3

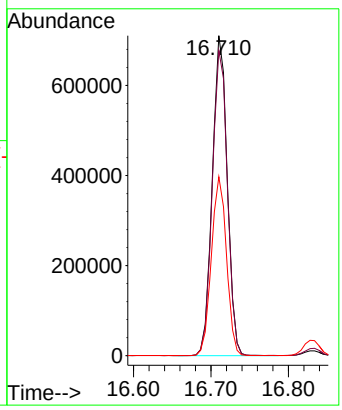




#67
4-Bromophenyl-phenylether
Concen: 51.897 ng
RT: 16.710 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:248 Resp: 94909

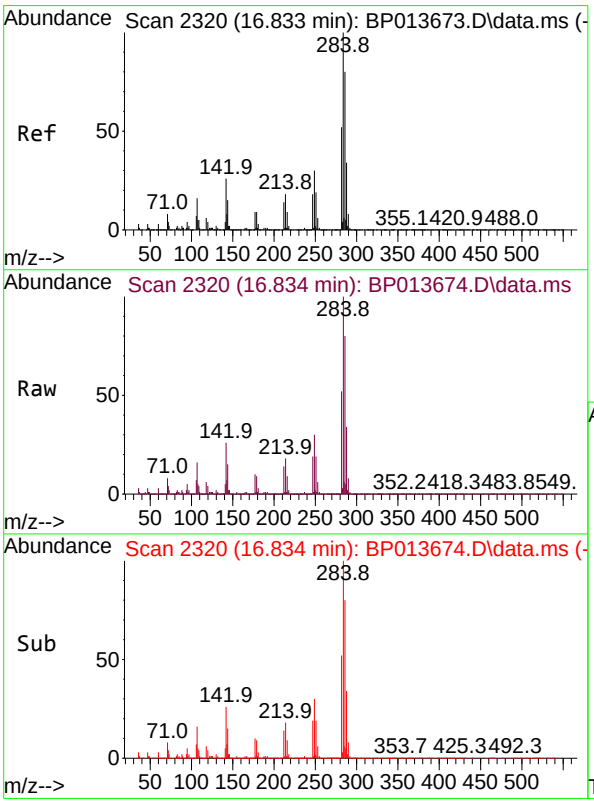
Ion	Ratio	Lower	Upper
248	100		
250	95.3	78.2	117.2
141	55.9	46.8	70.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

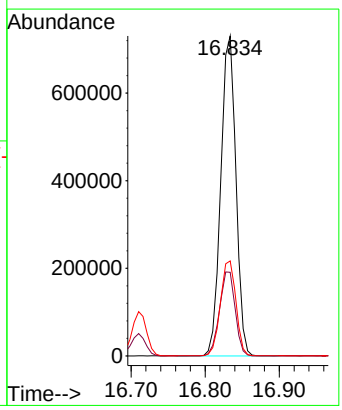
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

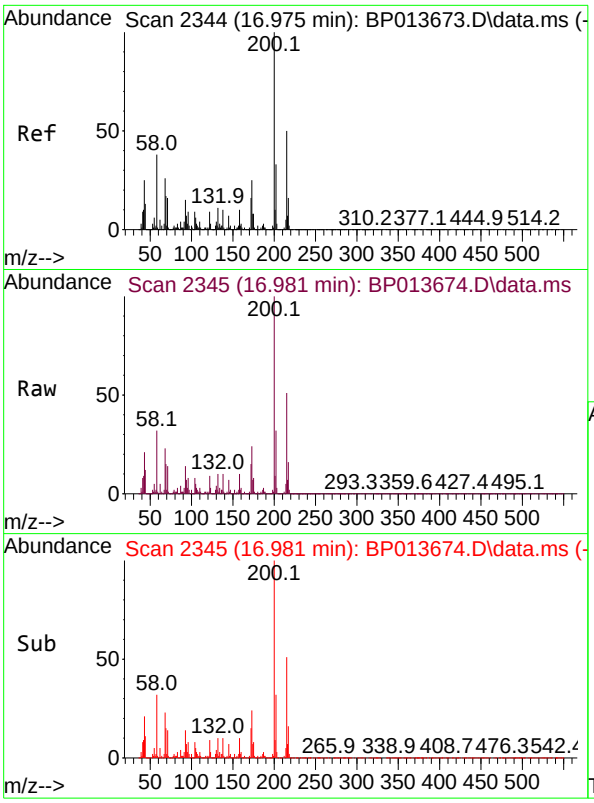


#68
Hexachlorobenzene
Concen: 51.057 ng
RT: 16.834 min Scan# 2320
Delta R.T. 0.001 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:284 Resp: 1033964

Ion	Ratio	Lower	Upper
284	100		
142	26.1	20.6	31.0
249	29.7	23.9	35.9

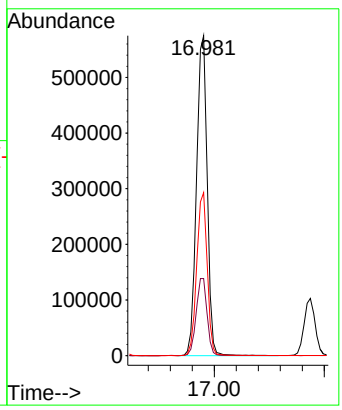




#69
Atrazine
Concen: 51.200 ng
RT: 16.981 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:200 Resp: 773369

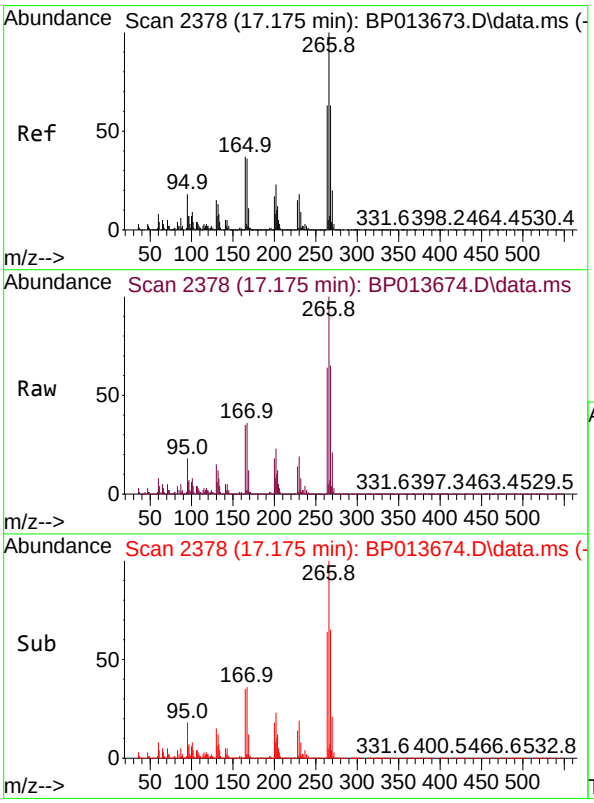
Ion	Ratio	Lower	Upper
200	100		
173	24.1	5.2	45.2
215	50.9	29.8	69.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

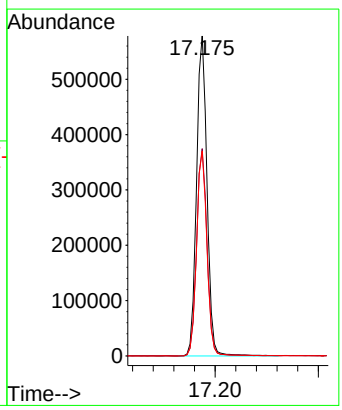
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

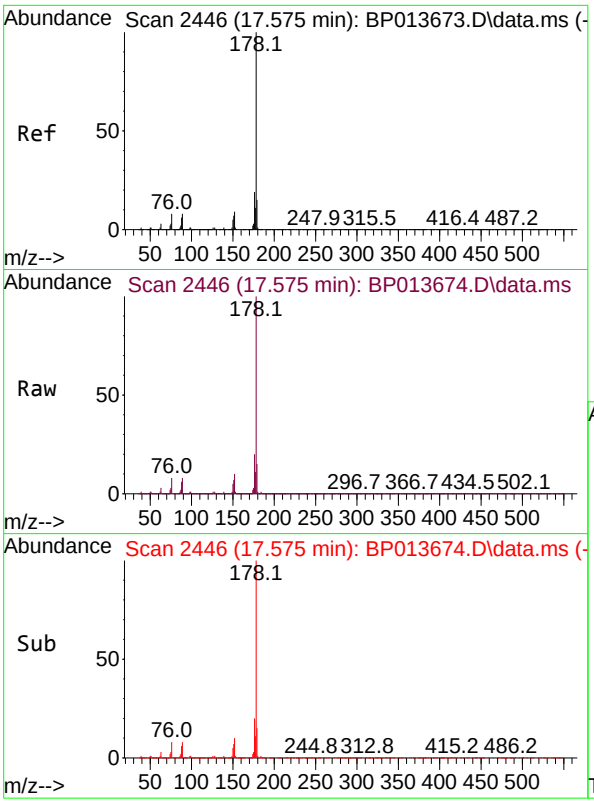


#70
Pentachlorophenol
Concen: 54.284 ng
RT: 17.175 min Scan# 2378
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:266 Resp: 810907

Ion	Ratio	Lower	Upper
266	100		
268	64.8	50.7	76.1
264	64.0	50.5	75.7





#71
Phenanthrene
Concen: 49.947 ng
RT: 17.575 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

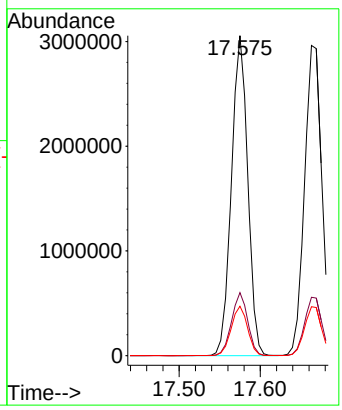
Tgt Ion:178 Resp: 427108

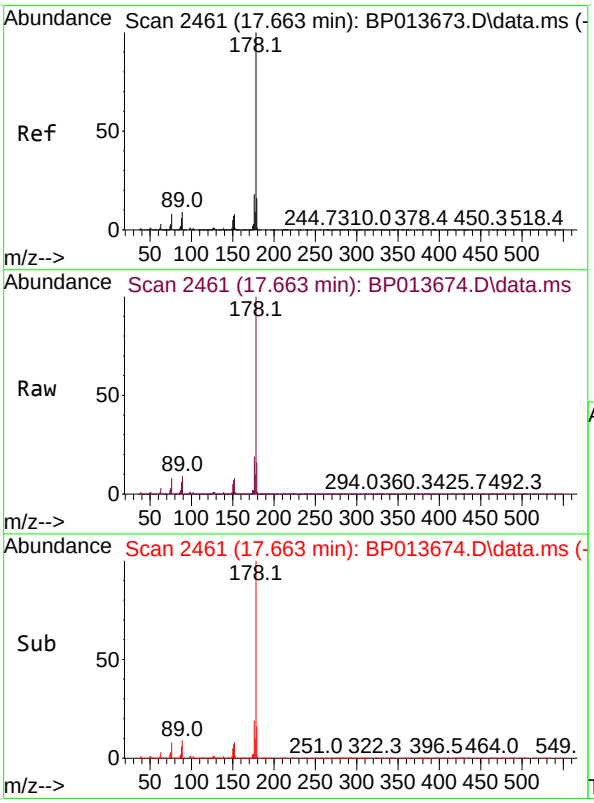
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.0
179	15.4	12.2	18.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

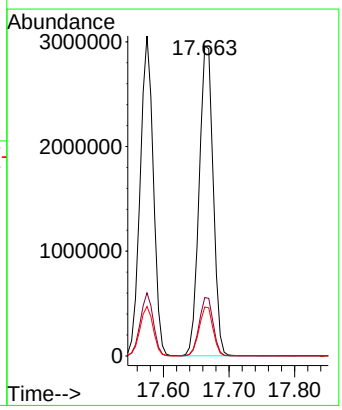


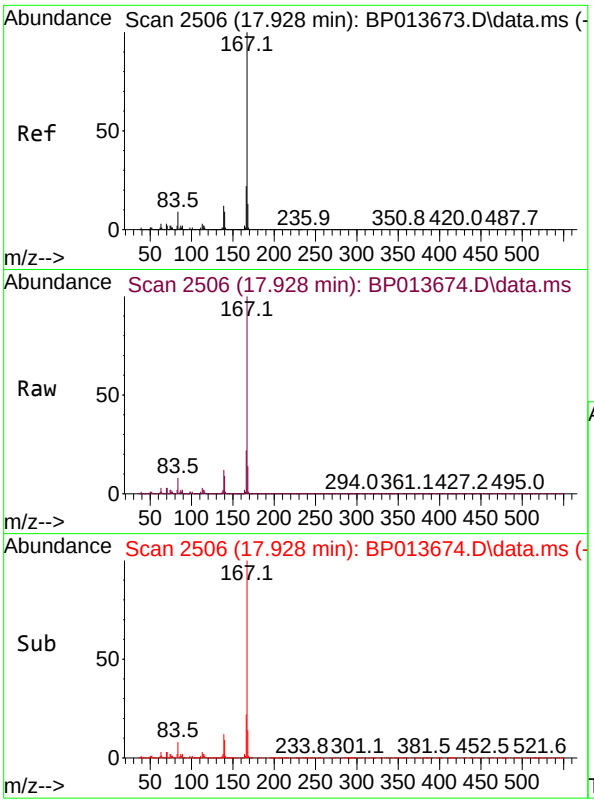


#72
Anthracene
Concen: 50.607 ng
RT: 17.663 min Scan# 2461
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:178 Resp: 4368916

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.7	12.4	18.6

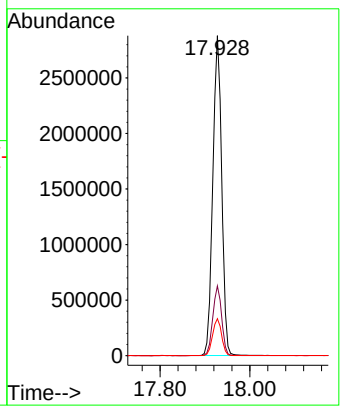




#73
Carbazole
Concen: 50.549 ng
RT: 17.928 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:167 Resp: 396258

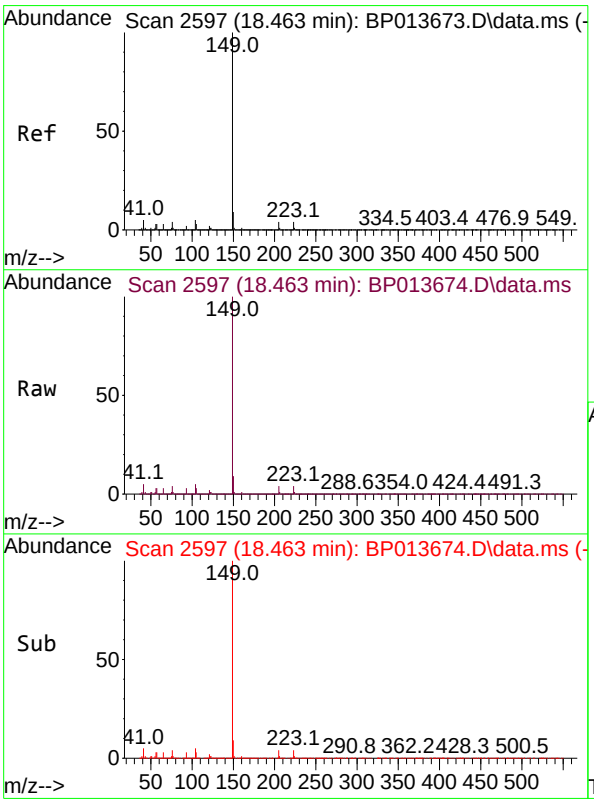
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.0
139	11.5	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

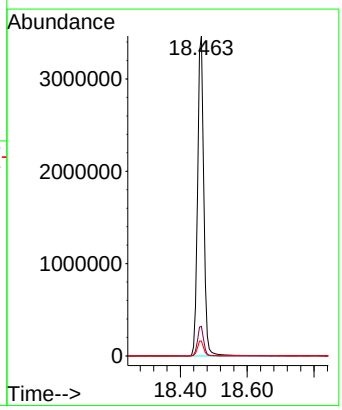
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

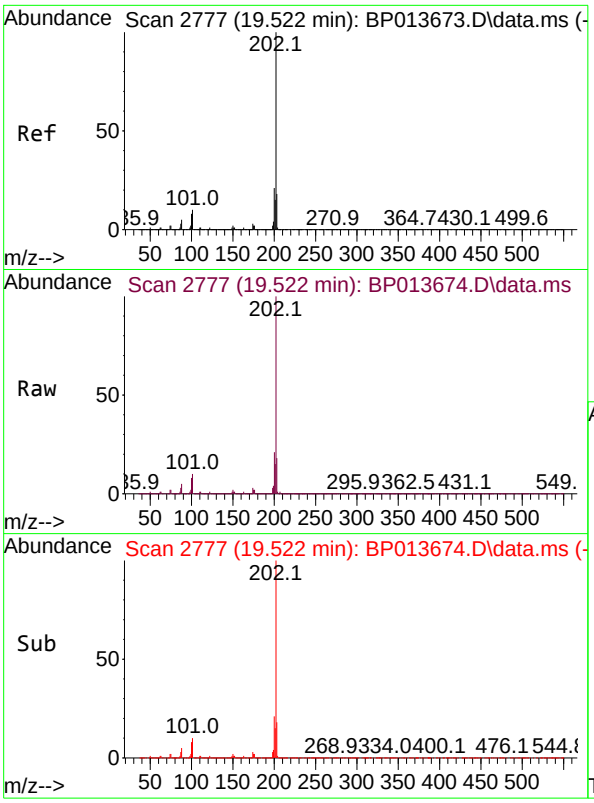


#74
Di-n-butylphthalate
Concen: 51.914 ng
RT: 18.463 min Scan# 2597
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:149 Resp: 4453352

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.6	3.8	5.6

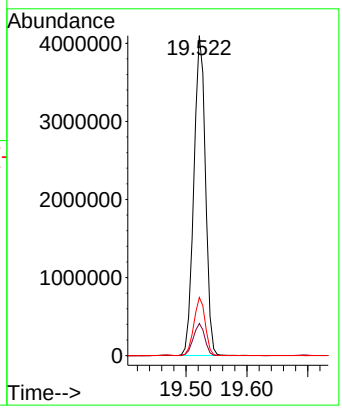




#75
Fluoranthene
Concen: 50.798 ng
RT: 19.522 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:202 Resp: 5407941

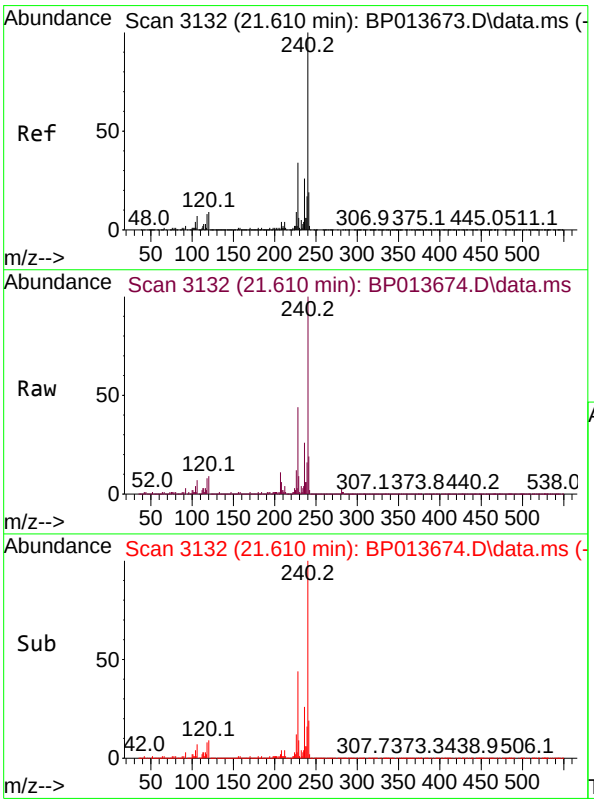
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.2
203	18.2	0.0	37.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

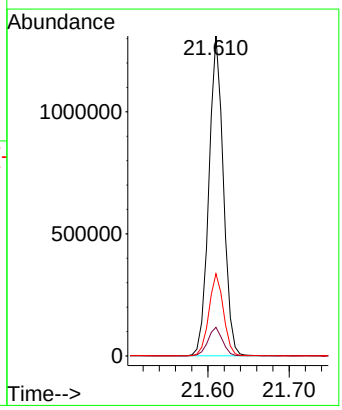
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

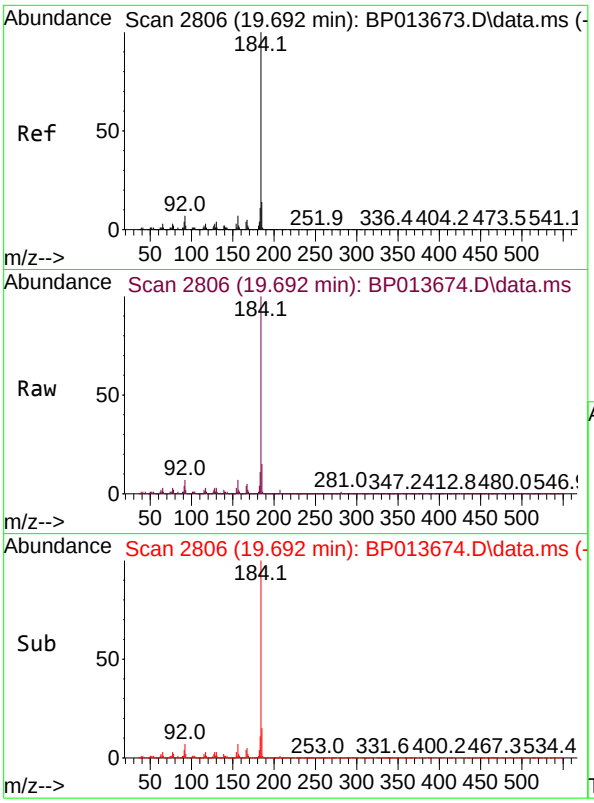


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3132
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:240 Resp: 1629059

Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.4	11.0
236	25.7	20.6	30.8





#77
Benzidine
Concen: 48.683 ng
RT: 19.692 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

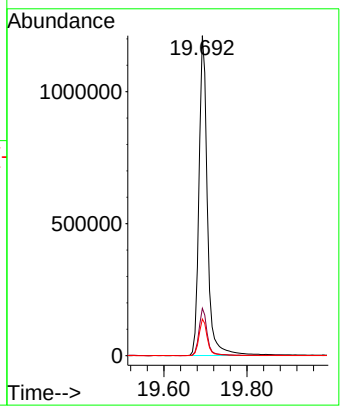
Tgt Ion:184 Resp: 171301

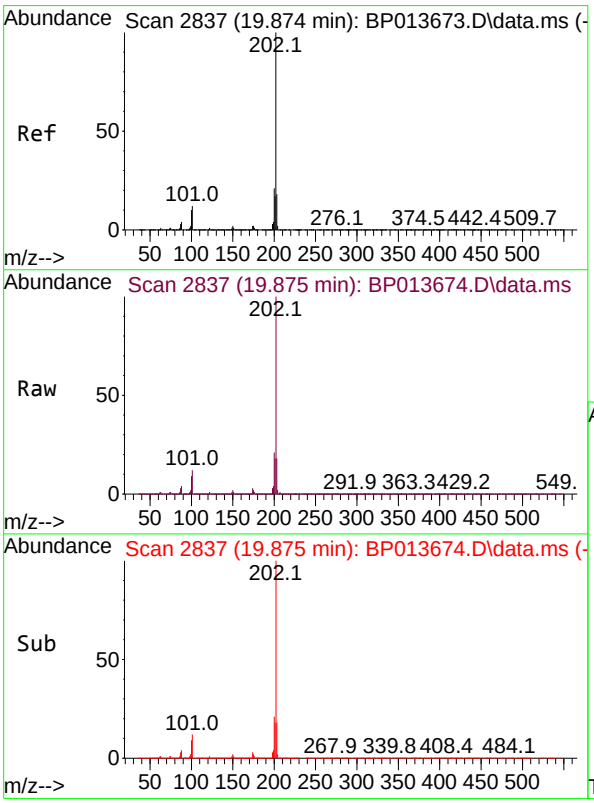
Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.4	17.2
183	11.4	9.2	13.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

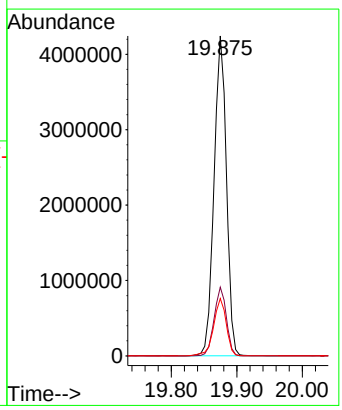


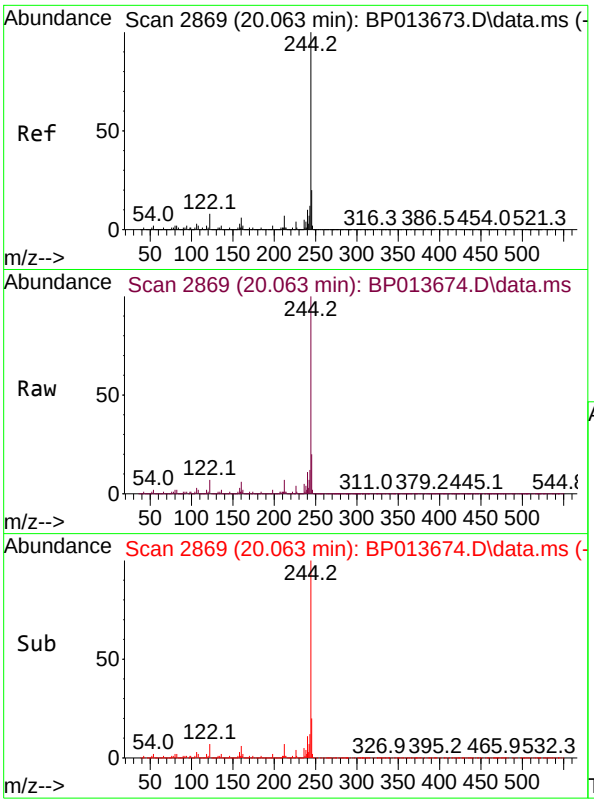


#78
Pyrene
Concen: 51.009 ng
RT: 19.875 min Scan# 2837
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:202 Resp: 5590546

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.9	25.3
203	17.9	14.0	21.0

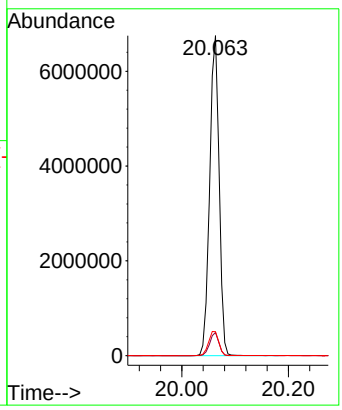




#79
Terphenyl-d14
Concen: 101.367 ng
RT: 20.063 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:244 Resp: 831591

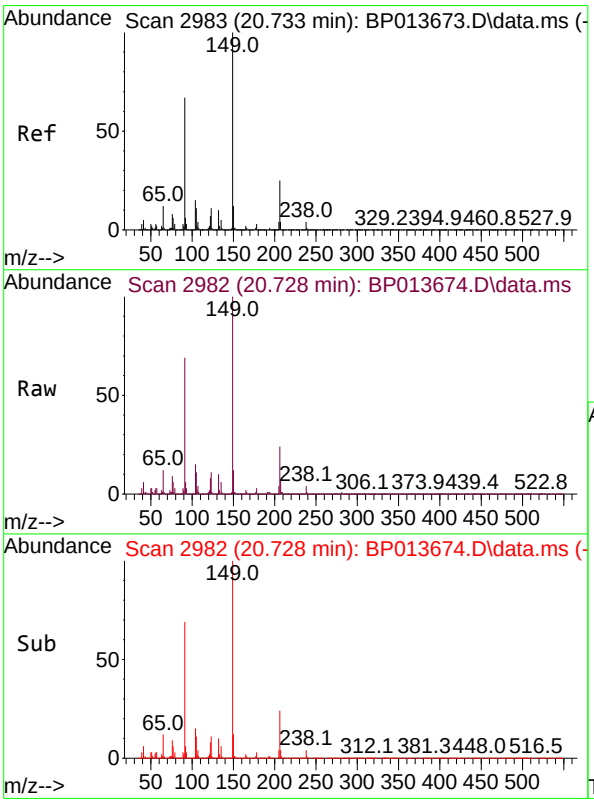
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.5	8.3
122	7.5	6.5	9.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

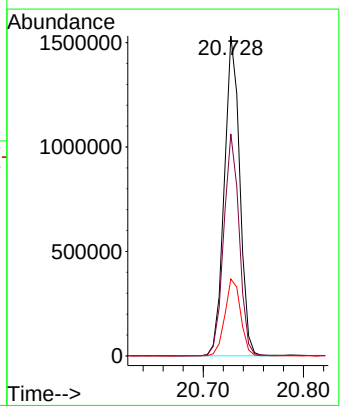
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

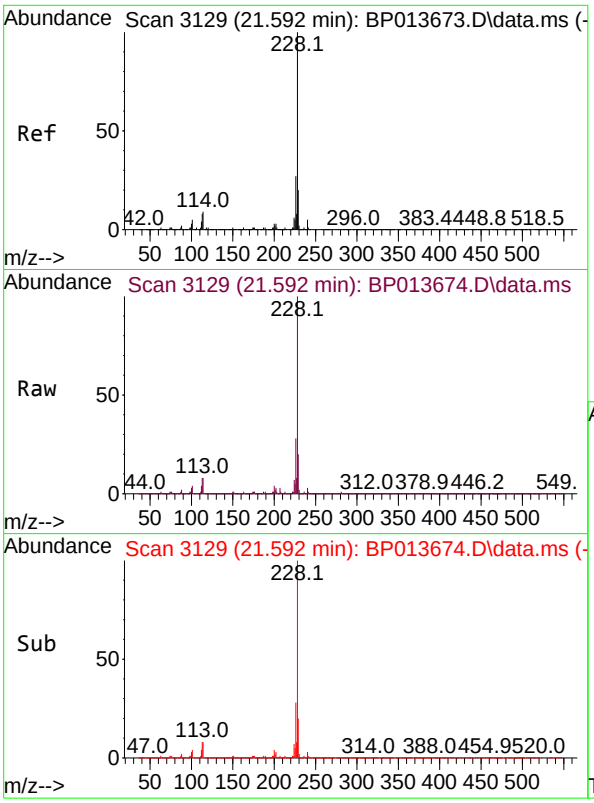


#80
Butylbenzylphthalate
Concen: 54.836 ng
RT: 20.728 min Scan# 2982
Delta R.T. -0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:149 Resp: 1640706

Ion	Ratio	Lower	Upper
149	100		
91	69.4	54.0	81.0
206	24.1	19.8	29.8

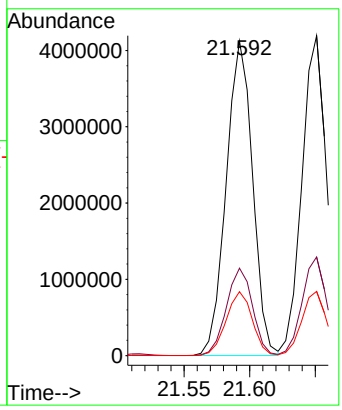




#81
Benzo(a)anthracene
Concen: 51.155 ng
RT: 21.592 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:228 Resp: 578833

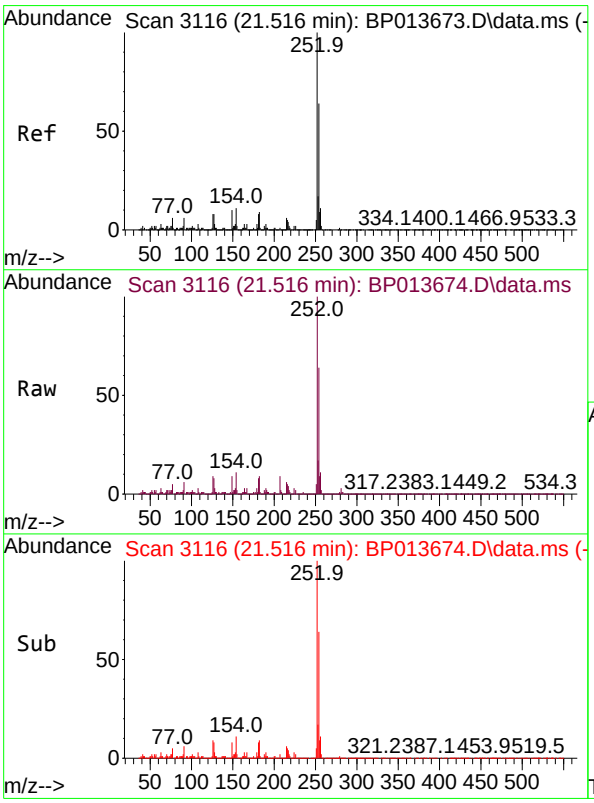
Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.9	32.9
229	20.3	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

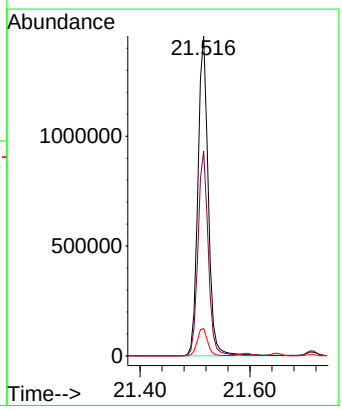
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

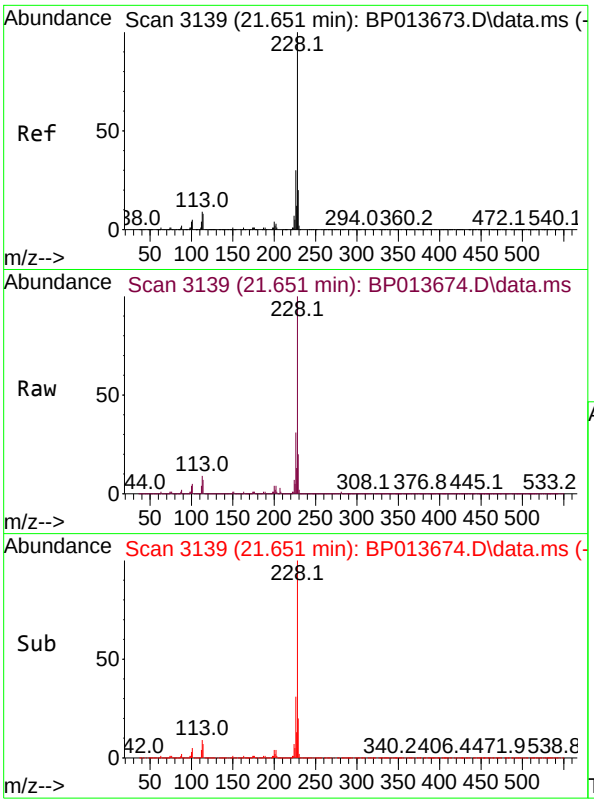


#82
3,3'-Dichlorobenzidine
Concen: 52.945 ng
RT: 21.516 min Scan# 3116
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:252 Resp: 1894035

Ion	Ratio	Lower	Upper
252	100		
254	64.1	50.9	76.3
126	8.5	6.7	10.1

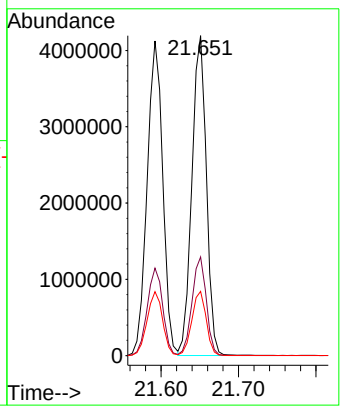




#83
Chrysene
Concen: 50.407 ng
RT: 21.651 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:228 Resp: 5434199

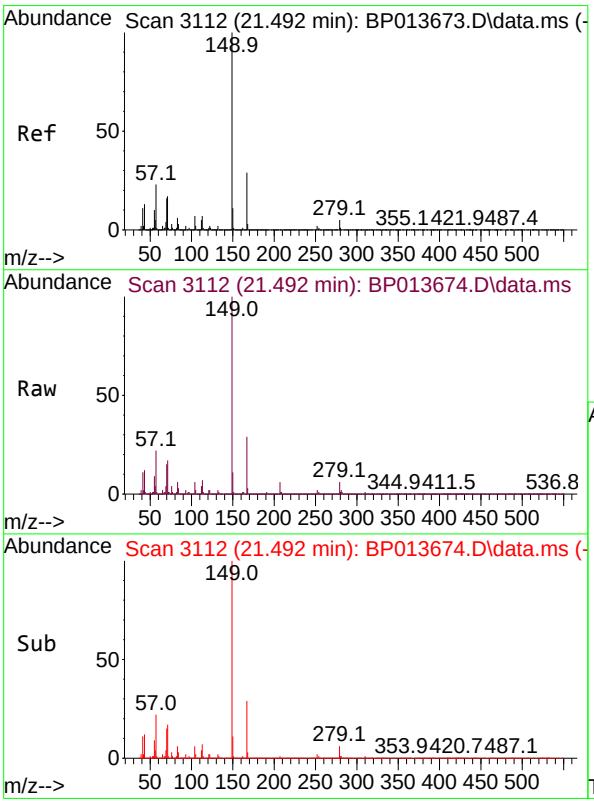
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.1	36.1
229	20.1	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

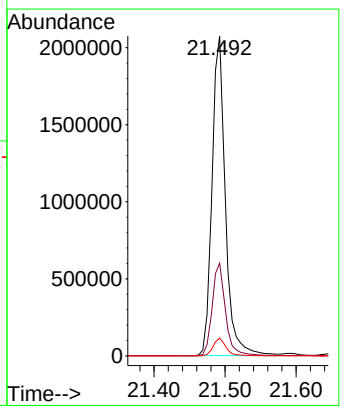
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

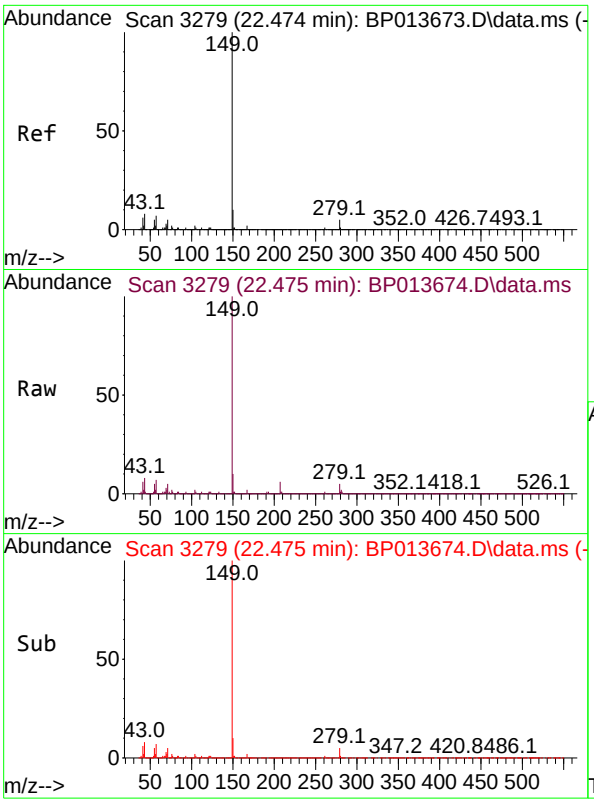


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.262 ng
RT: 21.492 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:149 Resp: 2713414

Ion	Ratio	Lower	Upper
149	100		
167	29.0	23.0	34.6
279	5.6	3.9	5.9

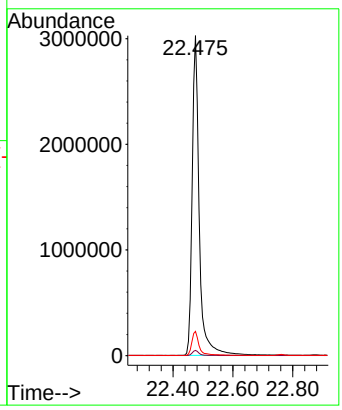




#85
Di-n-octyl phthalate
Concen: 53.397 ng
RT: 22.475 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:149 Resp: 496736

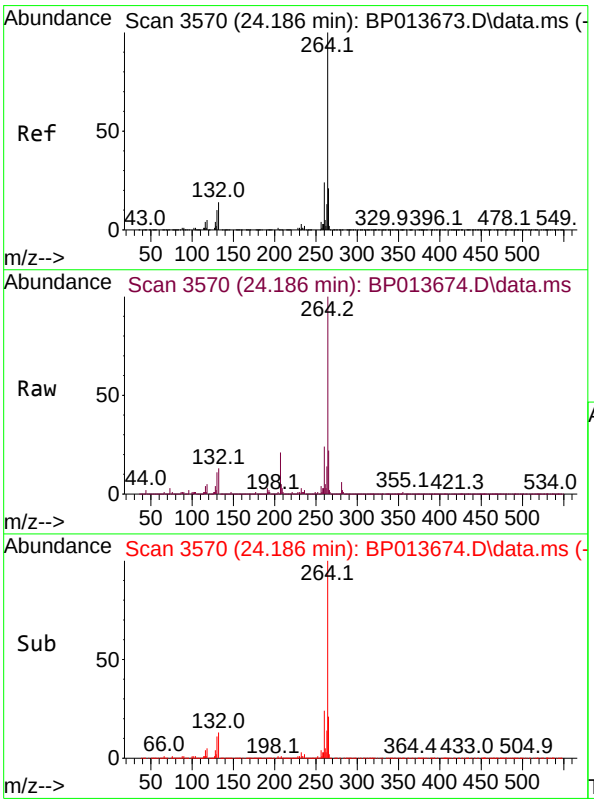
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

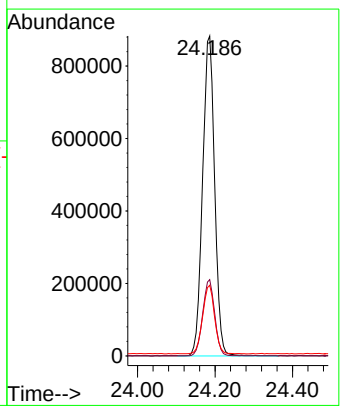
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

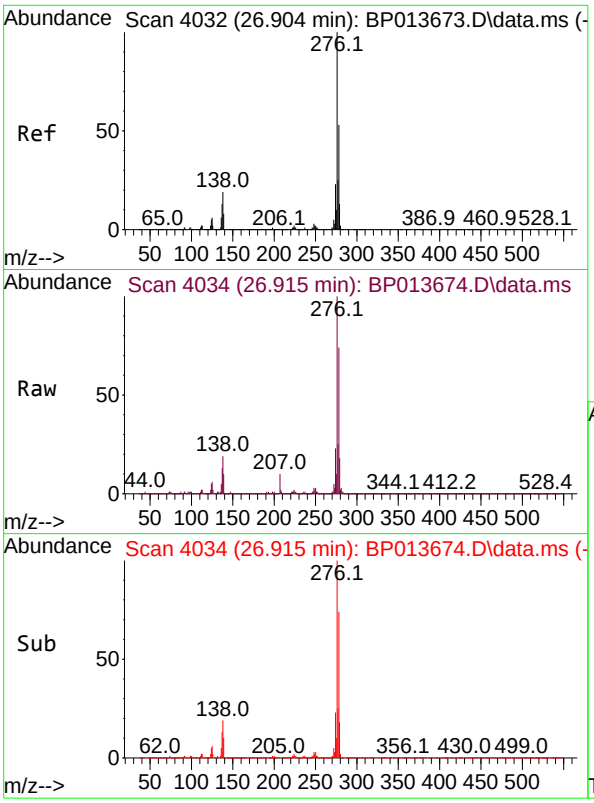


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.186 min Scan# 3570
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:264 Resp: 1903765

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	22.1	17.4	26.0

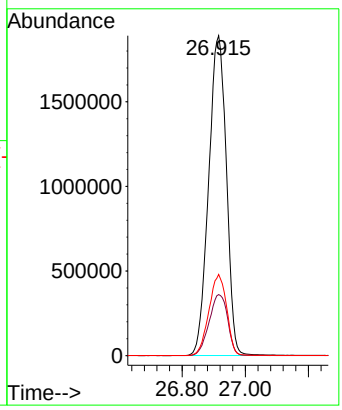




#87
Indeno(1,2,3-cd)pyrene
Concen: 50.913 ng
RT: 26.915 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:276 Resp: 7371359

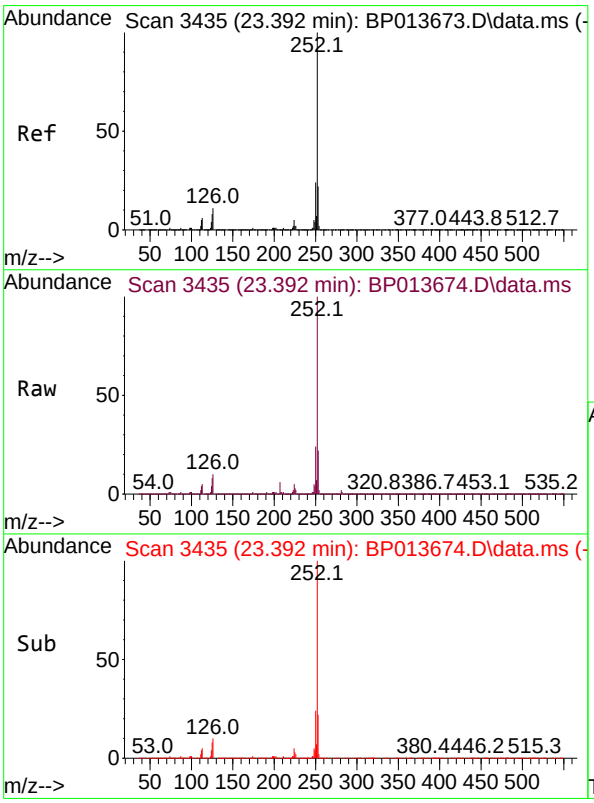
Ion	Ratio	Lower	Upper
276	100		
138	20.0	16.5	24.7
277	25.4	20.2	30.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

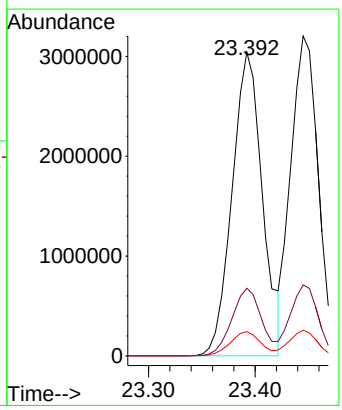
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

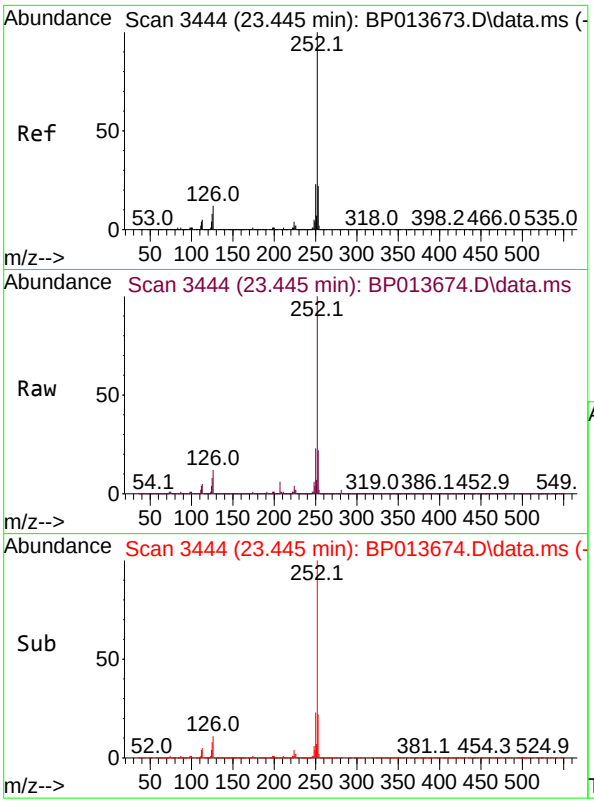


#88
Benzo(b)fluoranthene
Concen: 52.476 ng
RT: 23.392 min Scan# 3435
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:252 Resp: 6004351

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	8.0	6.8	10.2

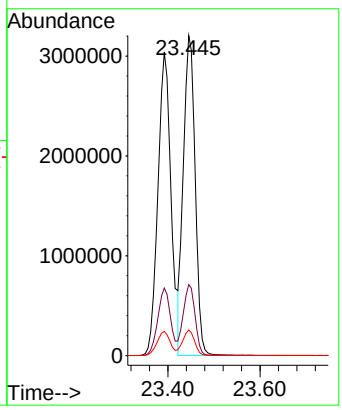




#89
Benzo(k)fluoranthene
Concen: 50.165 ng
RT: 23.445 min Scan# 34
Delta R.T. 0.000 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:252 Resp: 574917

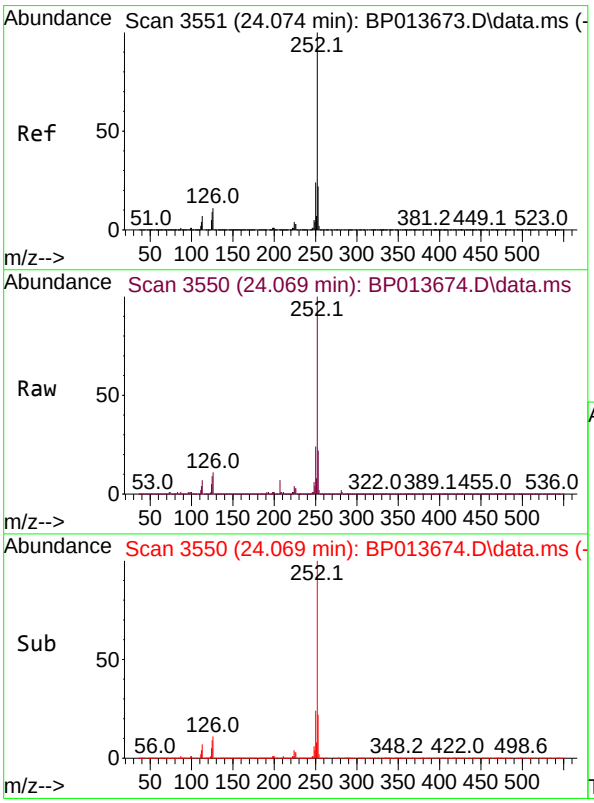
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	8.0	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

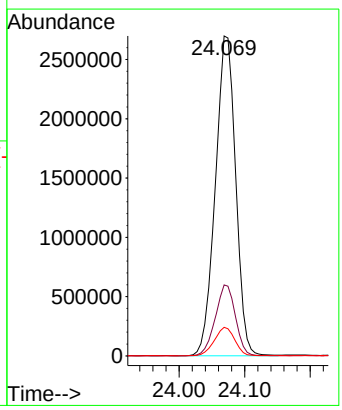
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

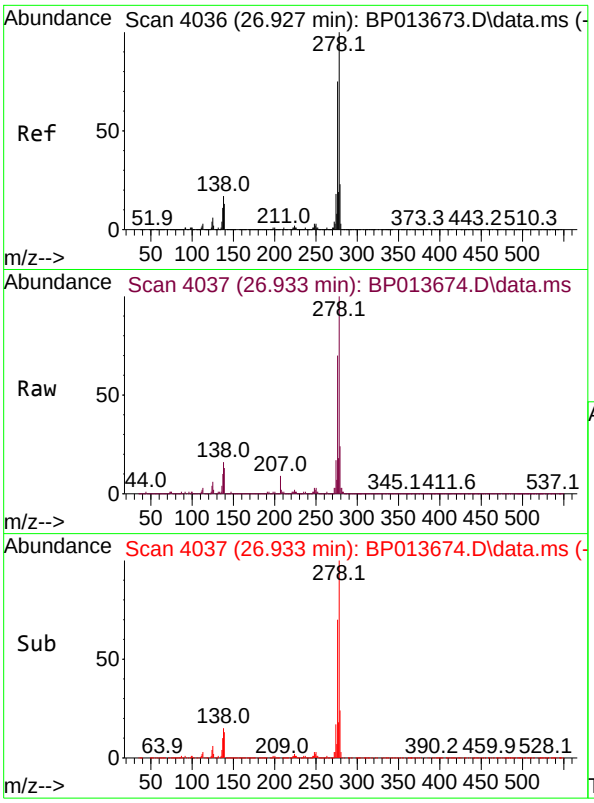


#90
Benzo(a)pyrene
Concen: 51.259 ng
RT: 24.069 min Scan# 3550
Delta R.T. -0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:252 Resp: 5821927

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	8.9	7.0	10.4

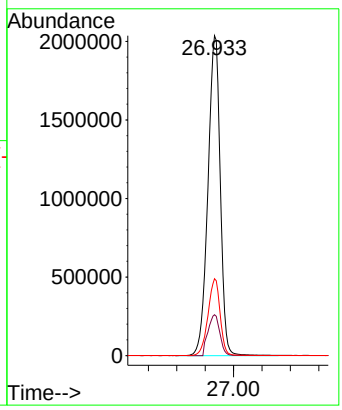




#91
Dibenzo(a,h)anthracene
Concen: 51.016 ng
RT: 26.933 min Scan# 40
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:278 Resp: 613110

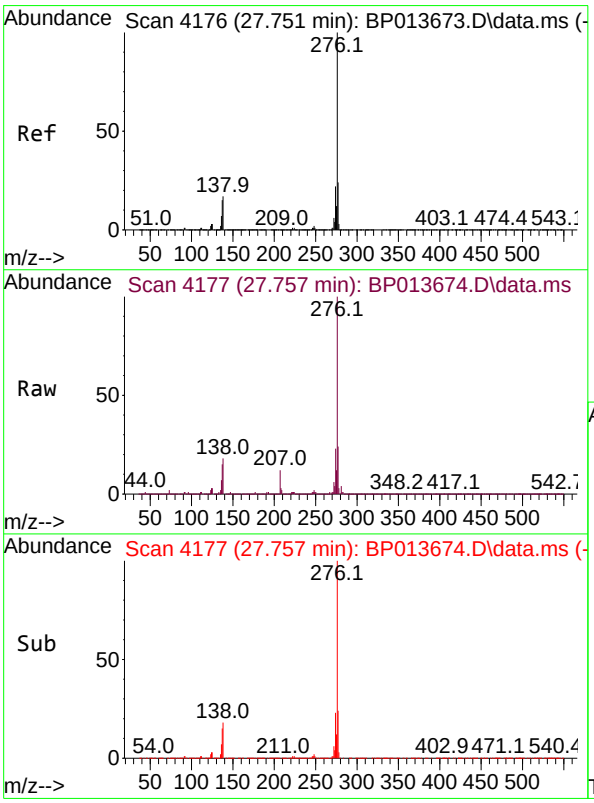
Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.6	16.0
279	24.0	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

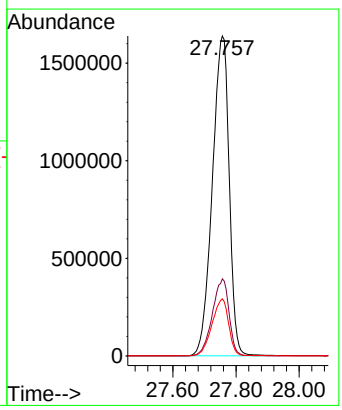
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#92
Benzo(g,h,i)perylene
Concen: 50.808 ng
RT: 27.757 min Scan# 4177
Delta R.T. 0.006 min
Lab File: BP013674.D
Acq: 31 Jan 2023 14:12

Tgt Ion:276 Resp: 6064549

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	17.8	14.0	21.0



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013675.D
Acq On : 31 Jan 2023 14:47
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

Quant Time: Feb 01 03:04:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.140	152	260570	20.000	ng	0.00
21) Naphthalene-d8	10.975	136	916167	20.000	ng	0.00
39) Acenaphthene-d10	14.781	164	607852	20.000	ng	0.00
64) Phenanthrene-d10	17.533	188	1394011	20.000	ng	0.00
76) Chrysene-d12	21.610	240	1419624	20.000	ng	0.00
86) Perylene-d12	24.186	264	1662488	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	1746239	114.561	ng	0.00
7) Phenol-d6	7.293	99	2326105	114.545	ng	0.00
23) Nitrobenzene-d5	9.322	82	2070036	131.432	ng	0.00
42) 2,4,6-Tribromophenol	16.269	330	1142437	125.307	ng	0.00
45) 2-Fluorobiphenyl	13.404	172	5156538	118.703	ng	0.00
79) Terphenyl-d14	20.063	244	8478623	118.598	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.517	88	367280	56.953	ng	99
3) Pyridine	3.934	79	1057784m	57.937	ng	
4) n-Nitrosodimethylamine	3.840	42	388227	58.313	ng	96
6) Aniline	7.463	93	1523800	57.559	ng	100
8) 2-Chlorophenol	7.705	128	923072	57.521	ng	97
9) Benzaldehyde	7.269	77	521800m	50.857	ng	
10) Phenol	7.316	94	1214677	57.258	ng	97
11) bis(2-Chloroethyl)ether	7.557	93	965945	57.000	ng	98
12) 1,3-Dichlorobenzene	8.028	146	1026782	56.801	ng	99
13) 1,4-Dichlorobenzene	8.181	146	1046096	57.194	ng	99
14) 1,2-Dichlorobenzene	8.499	146	992600	56.714	ng	99
15) Benzyl Alcohol	8.381	79	860378	59.833	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.675	45	1116091	56.177	ng	99
17) 2-Methylphenol	8.581	107	858224	57.731	ng	99
18) Hexachloroethane	9.240	117	357928	59.347	ng	98
19) n-Nitroso-di-n-propyla...	8.957	70	748010	58.709	ng	98
20) 3+4-Methylphenols	8.916	107	1173755	57.877	ng	98
22) Acetophenone	8.975	105	1434753	60.054	ng	99
24) Nitrobenzene	9.363	77	1098251	64.288	ng	99
25) Isophorone	9.893	82	2108864	60.411	ng	100
26) 2-Nitrophenol	10.075	139	482585	67.490	ng	96
27) 2,4-Dimethylphenol	10.128	122	854793	58.390	ng	98
28) bis(2-Chloroethoxy)met...	10.369	93	1255035	59.984	ng	100
29) 2,4-Dichlorophenol	10.610	162	954587	62.253	ng	99
30) 1,2,4-Trichlorobenzene	10.834	180	1026986	60.360	ng	99
31) Naphthalene	11.022	128	2839540	58.946	ng	100
32) Benzoic acid	10.281	122	686594	65.558	ng	99
33) 4-Chloroaniline	11.128	127	1276248	60.296	ng	99
34) Hexachlorobutadiene	11.304	225	662943	61.382	ng	99
35) Caprolactam	11.928	113	310527	61.904	ng	98
36) 4-Chloro-3-methylphenol	12.234	107	992433	61.528	ng	100
37) 2-Methylnaphthalene	12.616	142	2165970	59.799	ng	99
38) 1-Methylnaphthalene	12.834	142	2029388	59.645	ng	100
40) 1,2,4,5-Tetrachloroben...	12.981	216	1285768	61.958	ng	100
41) Hexachlorocyclopentadiene	12.957	237	643896	67.980	ng	98
43) 2,4,6-Trichlorophenol	13.216	196	862228	63.098	ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013675.D
Acq On : 31 Jan 2023 14:47
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 01 03:04:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	13.287	196	1008486	63.033	ng	99
46)	1,1'-Biphenyl	13.616	154	2751462	59.816	ng	99
47)	2-Chloronaphthalene	13.663	162	2139035	60.160	ng	99
48)	2-Nitroaniline	13.857	65	546260	71.900	ng	98
49)	Acenaphthylene	14.504	152	3466104	60.450	ng	99
50)	Dimethylphthalate	14.228	163	2811702	59.804	ng	100
51)	2,6-Dinitrotoluene	14.351	165	591016	70.334	ng	96
52)	Acenaphthene	14.845	154	2245118m	62.775	ng	
53)	3-Nitroaniline	14.681	138	625350	68.239	ng	98
54)	2,4-Dinitrophenol	14.881	184	359196	70.235	ng	99
55)	Dibenzofuran	15.175	168	3435352	59.464	ng	99
56)	4-Nitrophenol	14.975	139	524119	64.296	ng	97
57)	2,4-Dinitrotoluene	15.134	165	794265	72.027	ng	99
58)	Fluorene	15.828	166	2668499	58.832	ng	99
59)	2,3,4,6-Tetrachlorophenol	15.398	232	861487	61.922	ng	99
60)	Diethylphthalate	15.586	149	2685481	59.582	ng	100
61)	4-Chlorophenyl-phenyle...	15.816	204	1471252	59.565	ng	99
62)	4-Nitroaniline	15.845	138	625615	68.743	ng	96
63)	Azobenzene	16.110	77	2502707	60.110	ng	99
65)	4,6-Dinitro-2-methylph...	15.898	198	497088	68.421	ng	98
66)	n-Nitrosodiphenylamine	16.028	169	2402971	59.244	ng	99
67)	4-Bromophenyl-phenylether	16.710	248	979513	61.297	ng	99
68)	Hexachlorobenzene	16.833	284	1076533	60.838	ng	99
69)	Atrazine	16.981	200	780107	59.106	ng	99
70)	Pentachlorophenol	17.175	266	838398	64.232	ng	99
71)	Phenanthrene	17.575	178	4426219	59.238	ng	99
72)	Anthracene	17.663	178	4516302	59.871	ng	99
73)	Carbazole	17.928	167	4063121	59.319	ng	100
74)	Di-n-butylphthalate	18.463	149	4564684	60.898	ng	100
75)	Fluoranthene	19.522	202	5591911	60.114	ng	99
77)	Benzidine	19.692	184	1670620	54.483	ng	100
78)	Pyrene	19.874	202	5772082	60.435	ng	99
80)	Butylbenzylphthalate	20.727	149	1694000	64.970	ng	96
81)	Benzo(a)anthracene	21.592	228	5936908	60.209	ng	99
82)	3,3'-Dichlorobenzidine	21.516	252	1927065	61.815	ng	98
83)	Chrysene	21.651	228	5637197	60.005	ng	100
84)	Bis(2-ethylhexyl)phtha...	21.492	149	2779043	62.599	ng	100
85)	Di-n-octyl phthalate	22.474	149	5103628	62.955	ng	99
87)	Indeno(1,2,3-cd)pyrene	26.921	276	7635088	60.388	ng	99
88)	Benzo(b)fluoranthene	23.392	252	6124811	61.298	ng	99
89)	Benzo(k)fluoranthene	23.451	252	5984571	59.797	ng	100
90)	Benzo(a)pyrene	24.074	252	6026342	60.760	ng	99
91)	Dibenzo(a,h)anthracene	26.933	278	6338598	60.398	ng	99
92)	Benzo(g,h,i)perylene	27.756	276	6272495	60.177	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

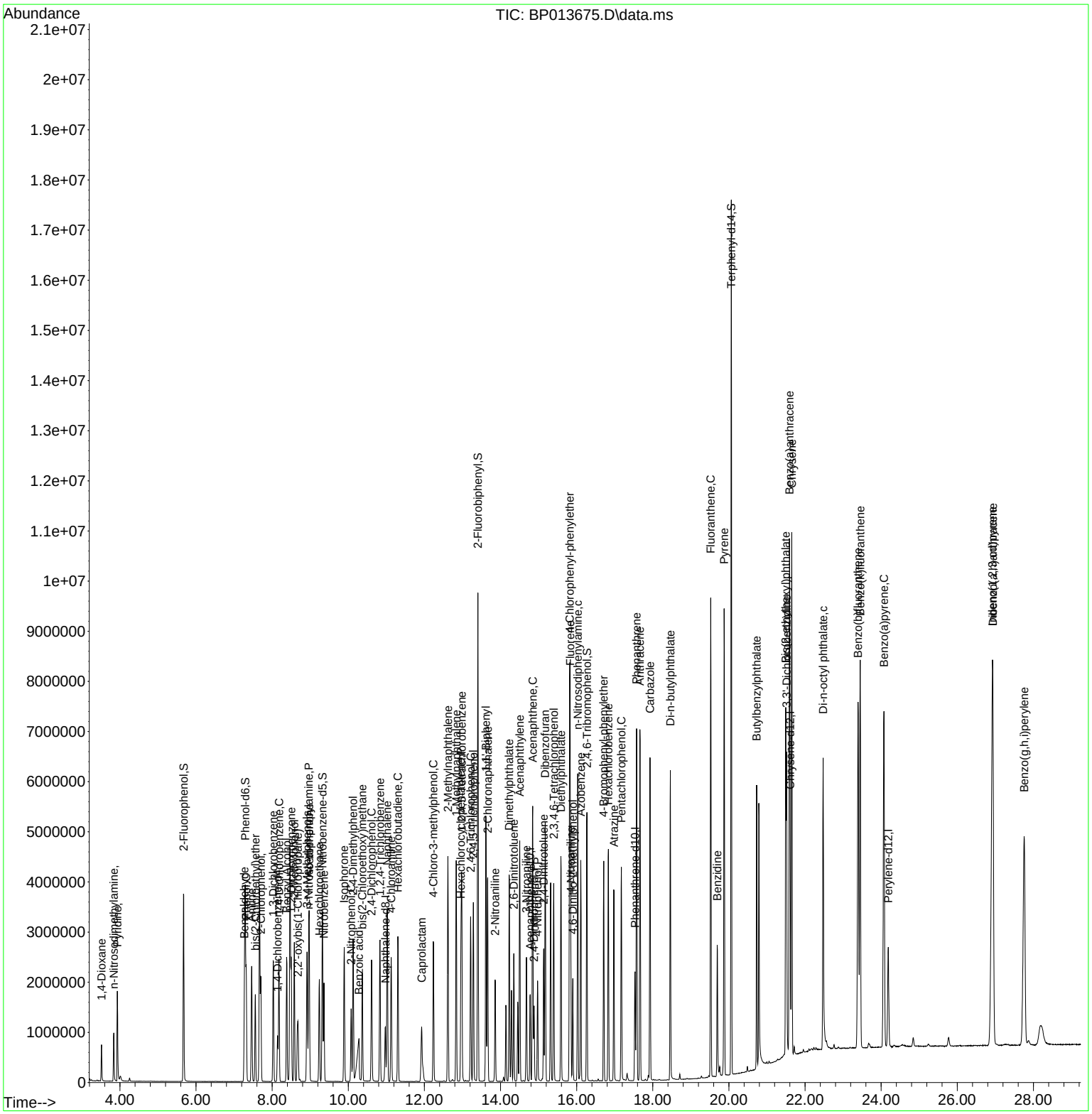
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013675.D
Acq On : 31 Jan 2023 14:47
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

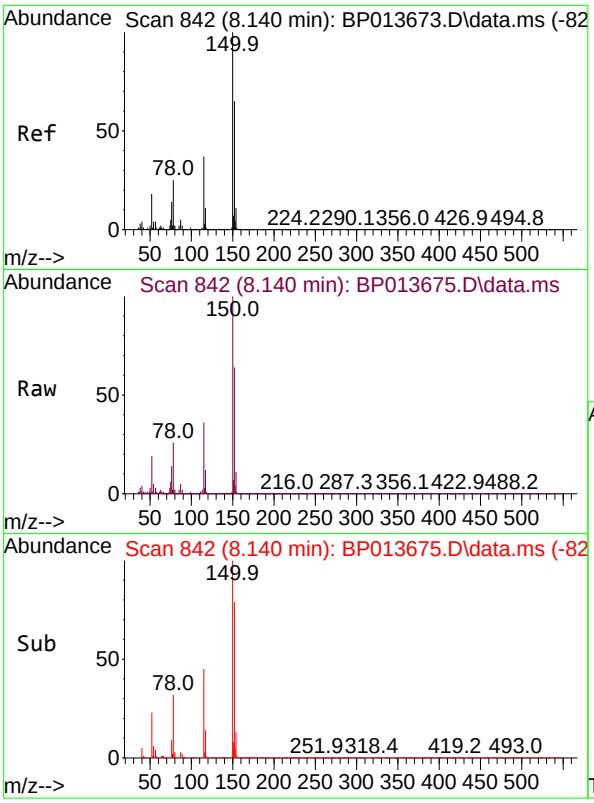
Quant Time: Feb 01 03:04:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

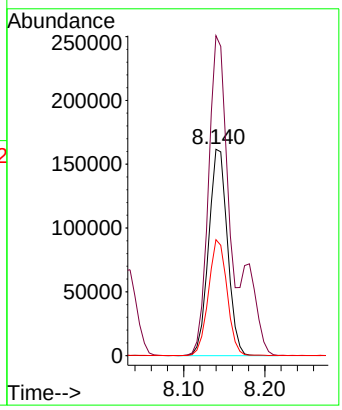




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.140 min Scan# 84
Delta R.T. -0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:152 Resp: 26057

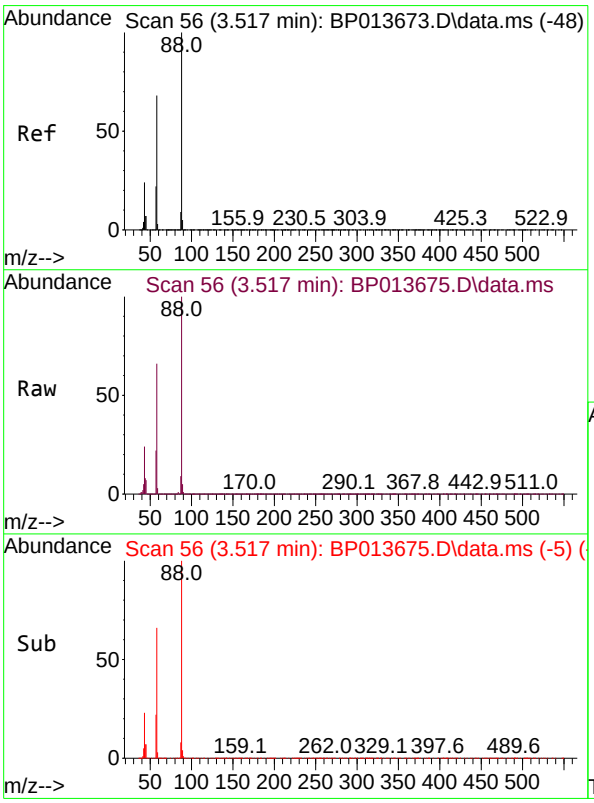
Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.6	185.4
115	56.2	45.4	68.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

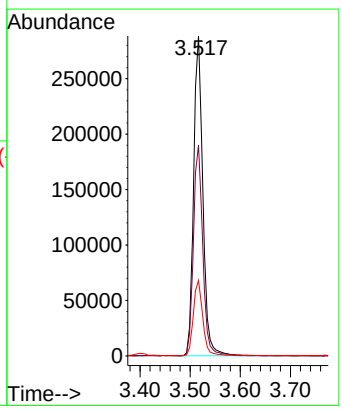
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

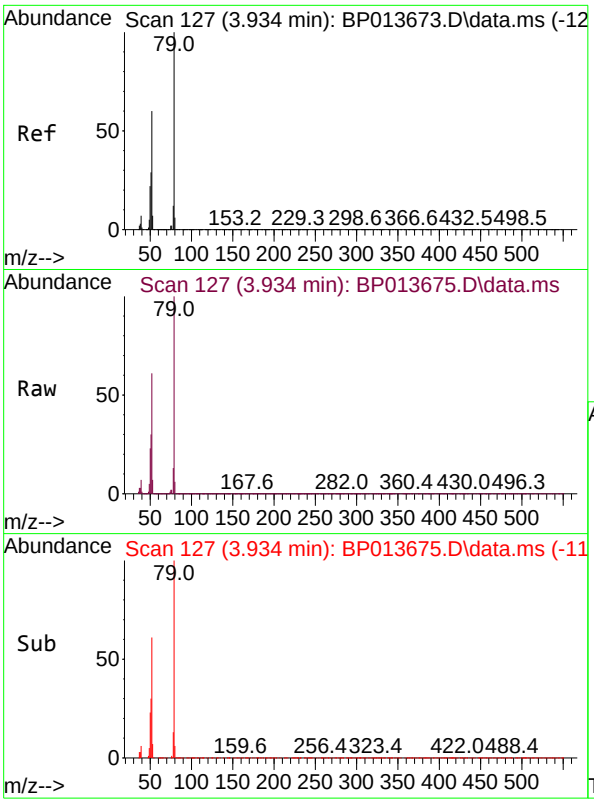


#2
1,4-Dioxane
Concen: 56.953 ng
RT: 3.517 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 88 Resp: 367280

Ion	Ratio	Lower	Upper
88	100		
58	67.1	53.8	80.8
43	24.0	19.8	29.6

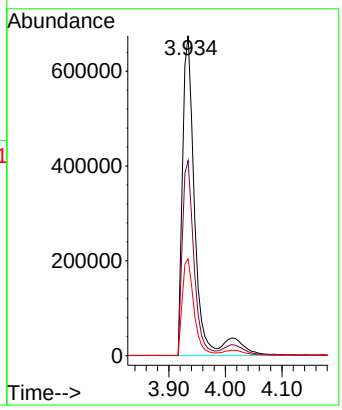




#3
Pyridine
Concen: 57.937 ng m
RT: 3.934 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 79 Resp: 105778

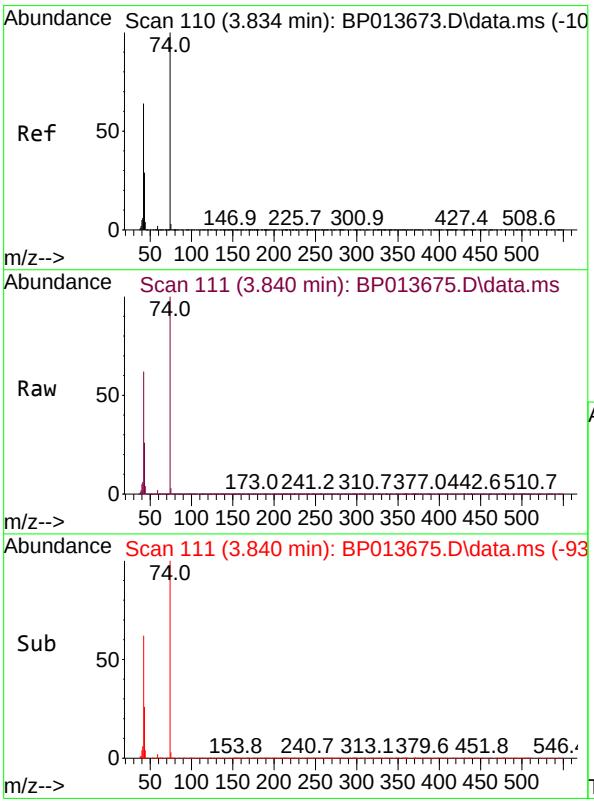
Ion	Ratio	Lower	Upper
79	100		
52	61.0	48.2	72.2
51	30.2	23.6	35.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

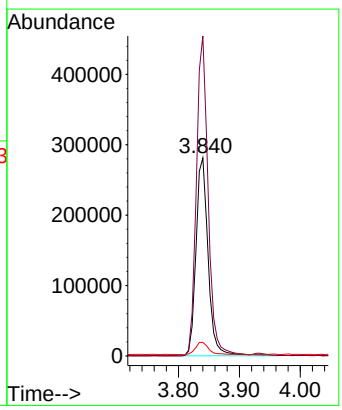
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

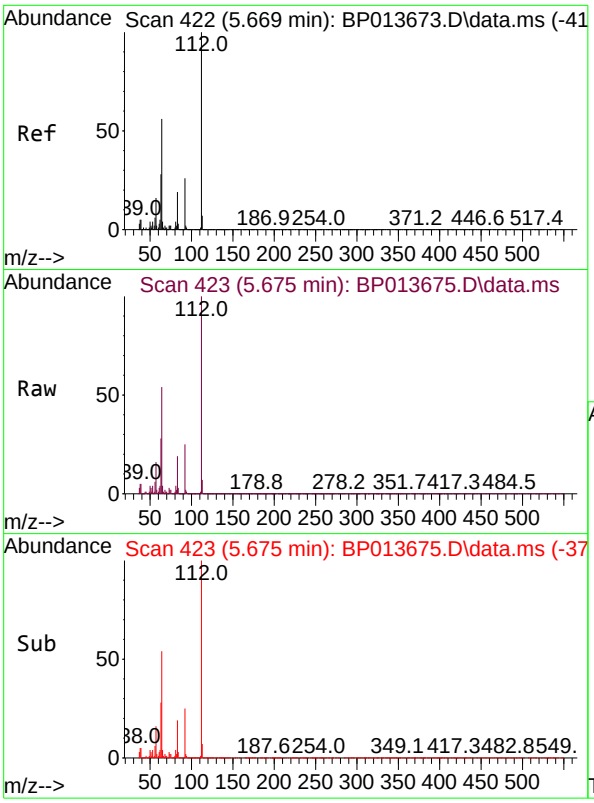


#4
n-Nitrosodimethylamine
Concen: 58.313 ng
RT: 3.840 min Scan# 111
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 42 Resp: 388227

Ion	Ratio	Lower	Upper
42	100		
74	161.6	124.6	187.0
44	6.9	6.3	9.5

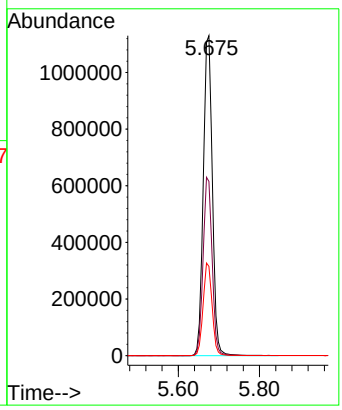




#5
2-Fluorophenol
Concen: 114.561 ng
RT: 5.675 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:112 Resp: 174623

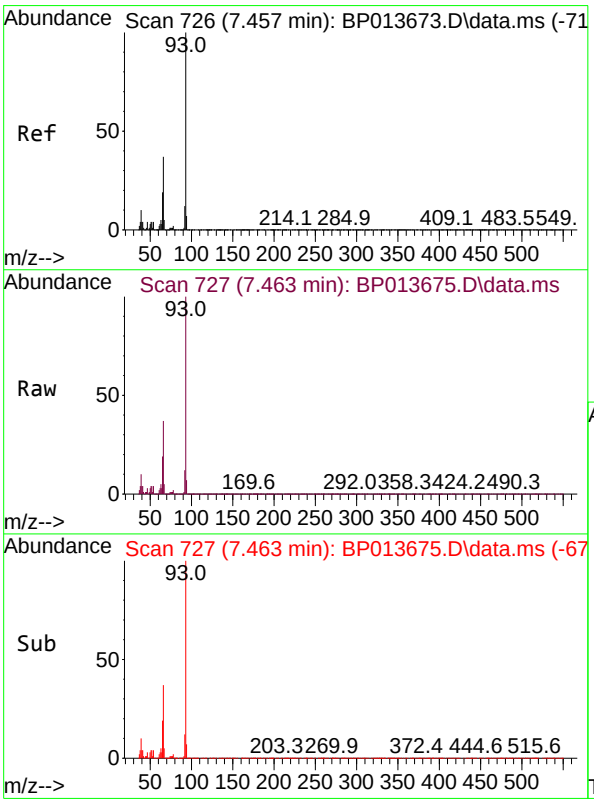
Ion	Ratio	Lower	Upper
112	100		
64	54.4	44.6	67.0
63	27.9	22.6	34.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

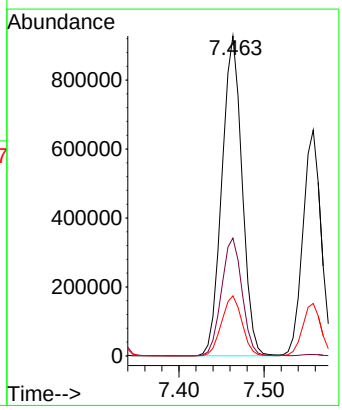
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

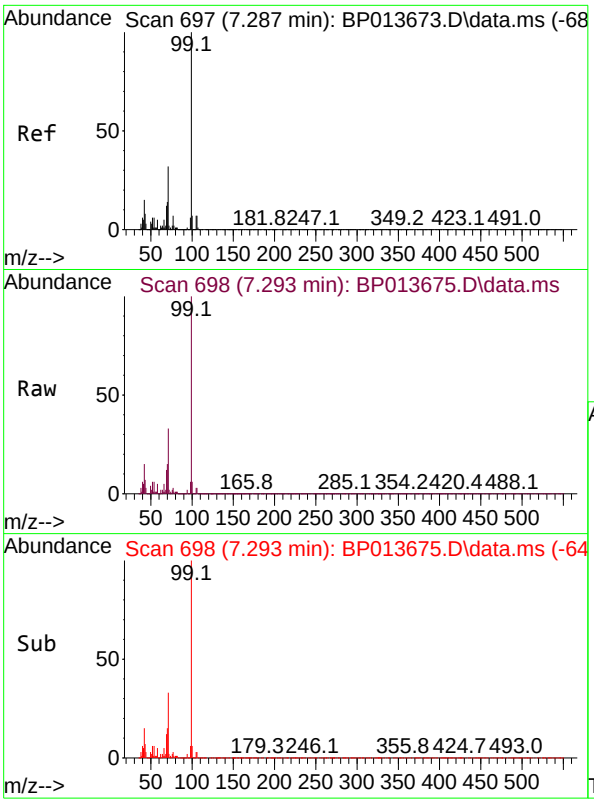


#6
Aniline
Concen: 57.559 ng
RT: 7.463 min Scan# 727
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 93 Resp: 1523800

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.3	43.9
65	18.8	15.1	22.7

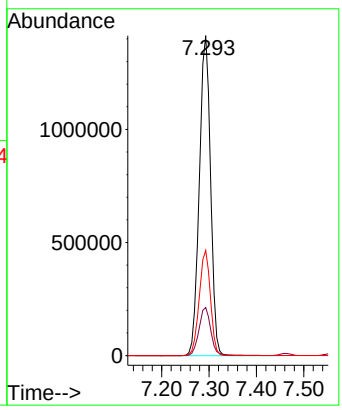




#7
Phenol-d6
Concen: 114.545 ng
RT: 7.293 min Scan# 69
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 99 Resp: 232610

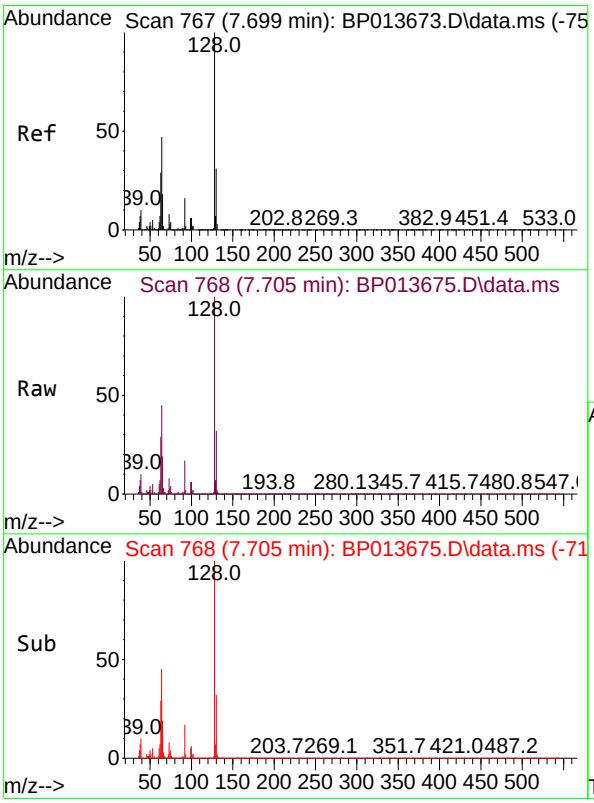
Ion	Ratio	Lower	Upper
99	100		
42	15.0	11.8	17.6
71	32.9	25.6	38.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

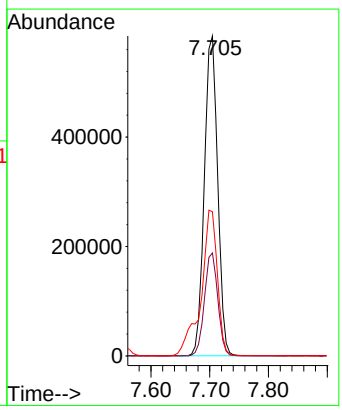
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

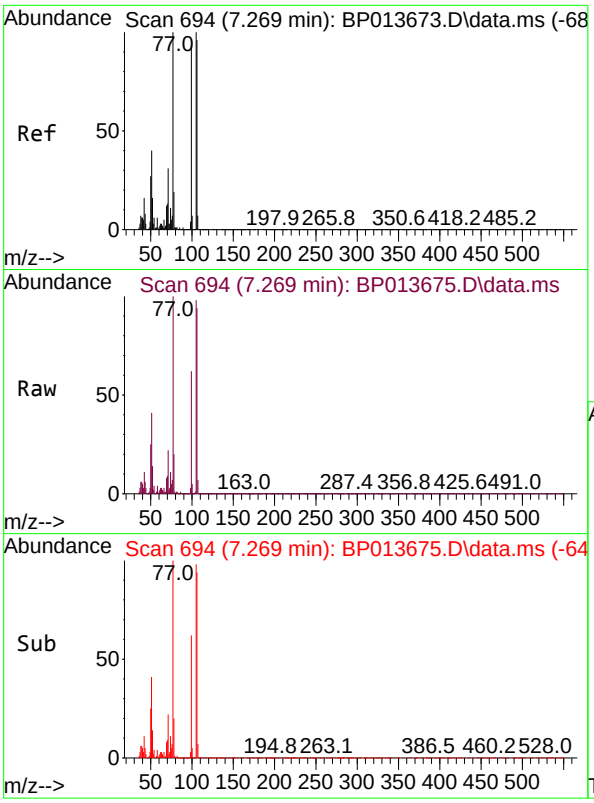


#8
2-Chlorophenol
Concen: 57.521 ng
RT: 7.705 min Scan# 768
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:128 Resp: 923072

Ion	Ratio	Lower	Upper
128	100		
130	32.2	10.8	50.8
64	45.0	26.9	66.9

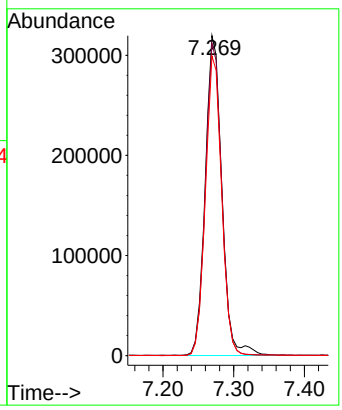




#9
Benzaldehyde
Concen: 50.857 ng m
RT: 7.269 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 77 Resp: 52180

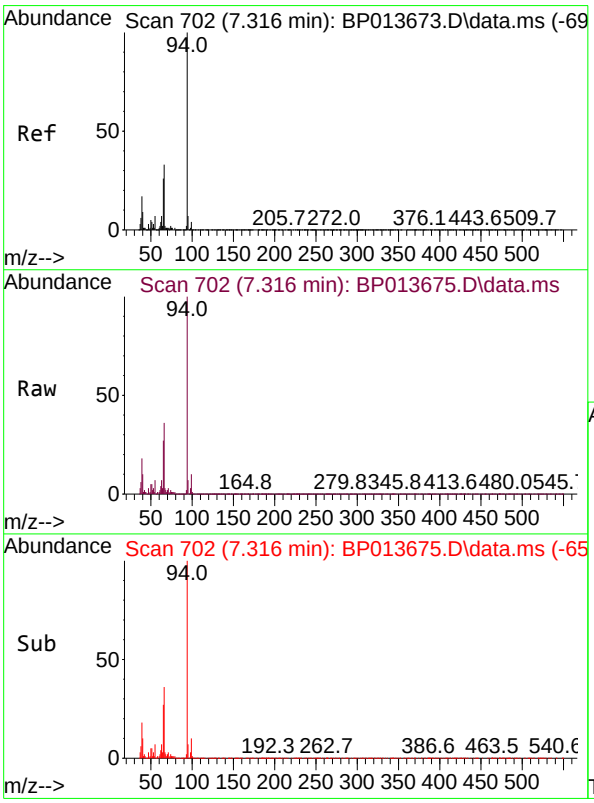
Ion	Ratio	Lower	Upper
77	100		
105	97.6	80.4	120.4
106	93.6	76.7	116.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

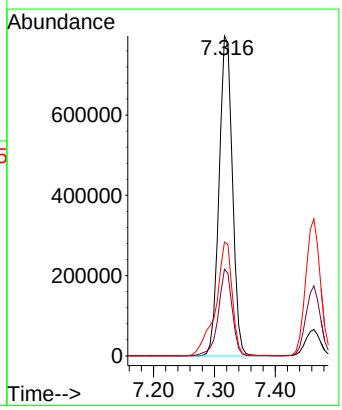
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

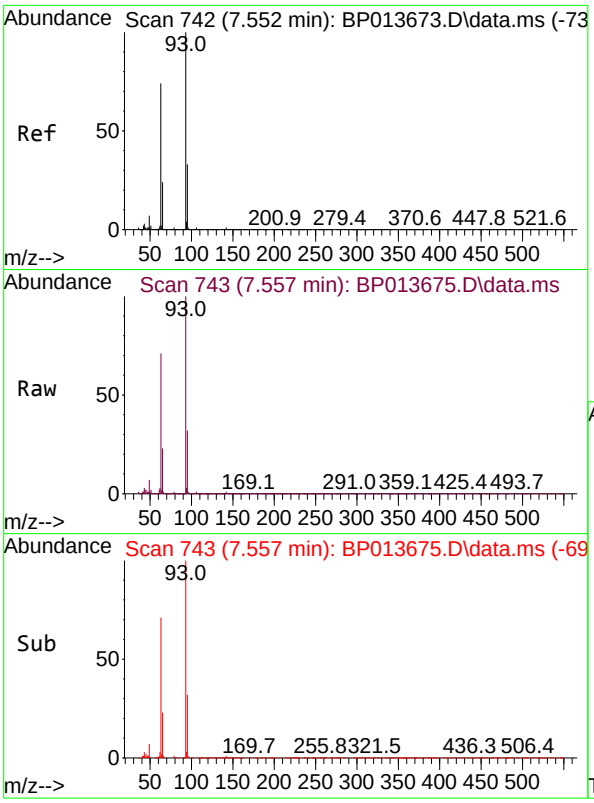


#10
Phenol
Concen: 57.258 ng
RT: 7.316 min Scan# 702
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 94 Resp: 1214677

Ion	Ratio	Lower	Upper
94	100		
65	27.1	6.0	46.0
66	35.6	13.1	53.1

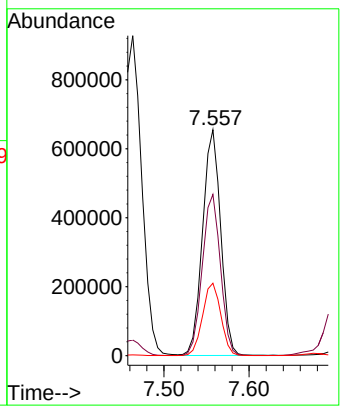




#11
bis(2-Chloroethyl)ether
Concen: 57.000 ng
RT: 7.557 min Scan# 74
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 93 Resp: 96594

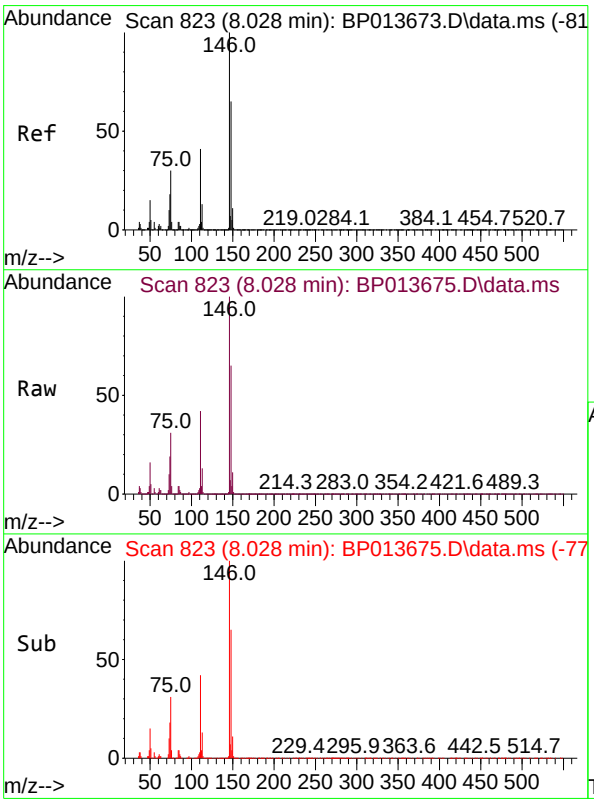
Ion	Ratio	Lower	Upper
93	100		
63	71.4	53.7	93.7
95	32.1	12.4	52.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

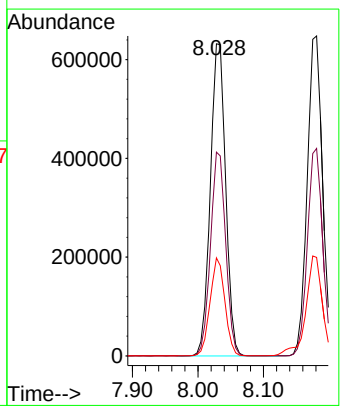
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

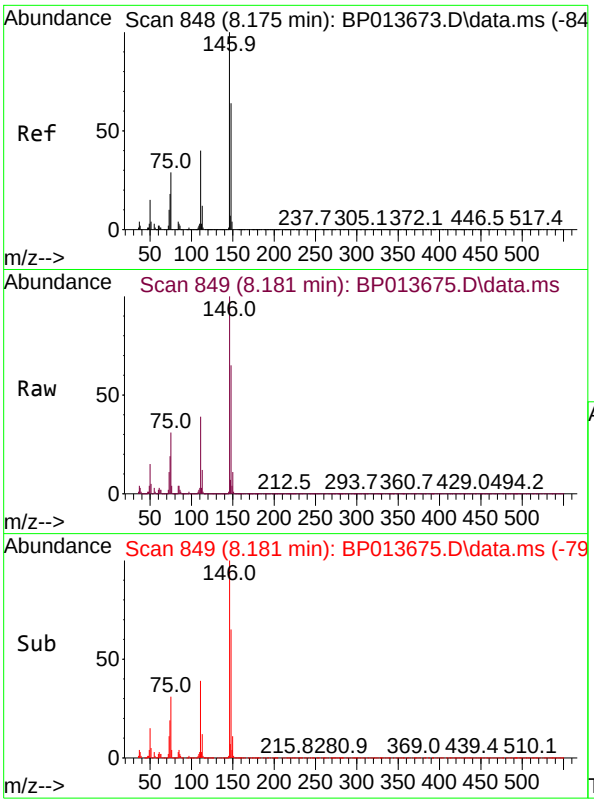


#12
1,3-Dichlorobenzene
Concen: 56.801 ng
RT: 8.028 min Scan# 823
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:146 Resp: 1026782

Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.9	77.9
75	31.4	24.0	36.0

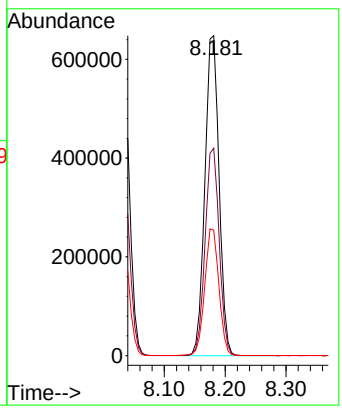




#13
1,4-Dichlorobenzene
Concen: 57.194 ng
RT: 8.181 min Scan# 84
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:146 Resp: 104609

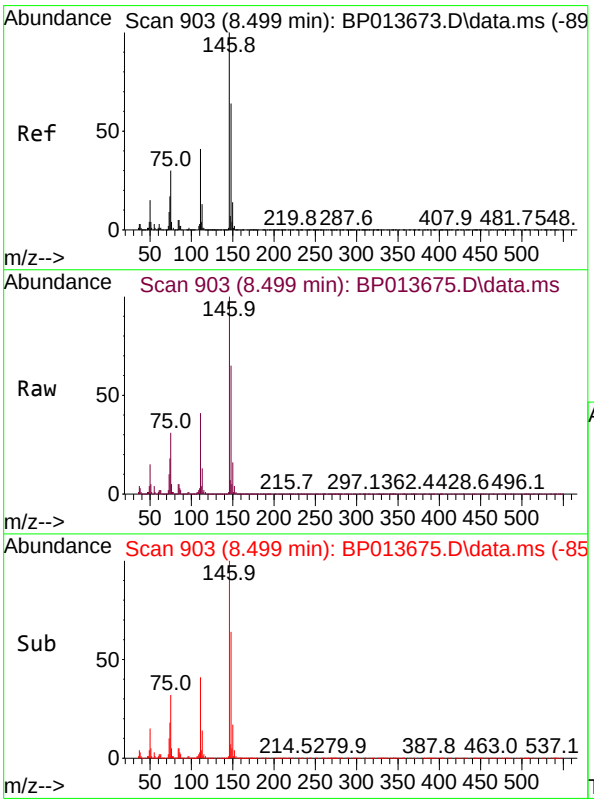
Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.5	77.3
111	39.2	32.0	48.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

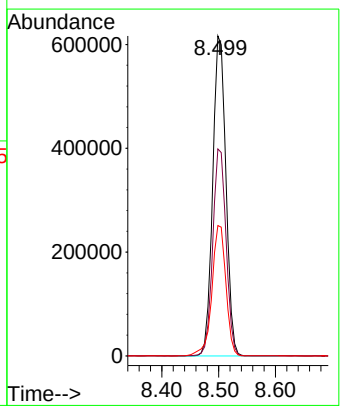
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

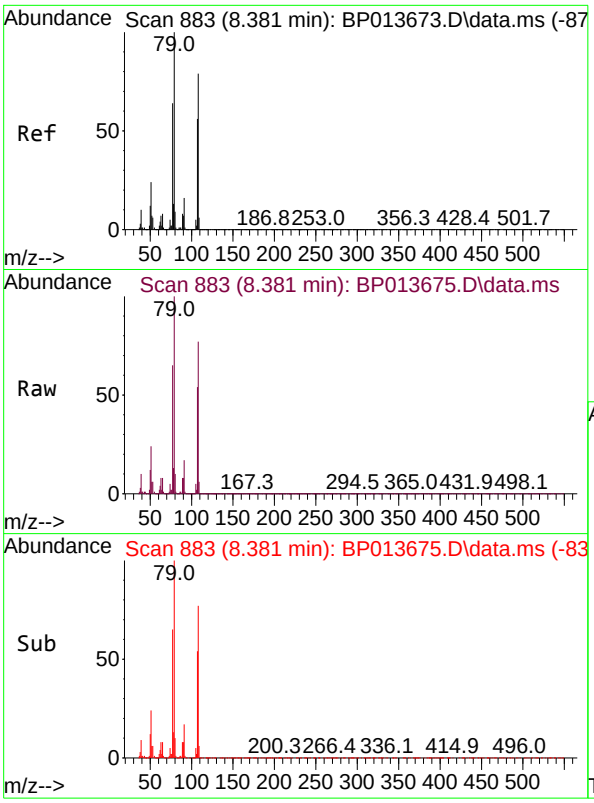


#14
1,2-Dichlorobenzene
Concen: 56.714 ng
RT: 8.499 min Scan# 903
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:146 Resp: 992600

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.3	76.9
111	40.7	32.8	49.2

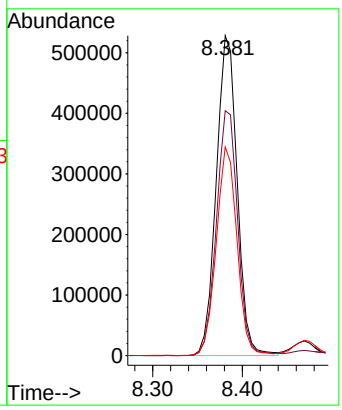




#15
Benzyl Alcohol
Concen: 59.833 ng
RT: 8.381 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 79 Resp: 86037

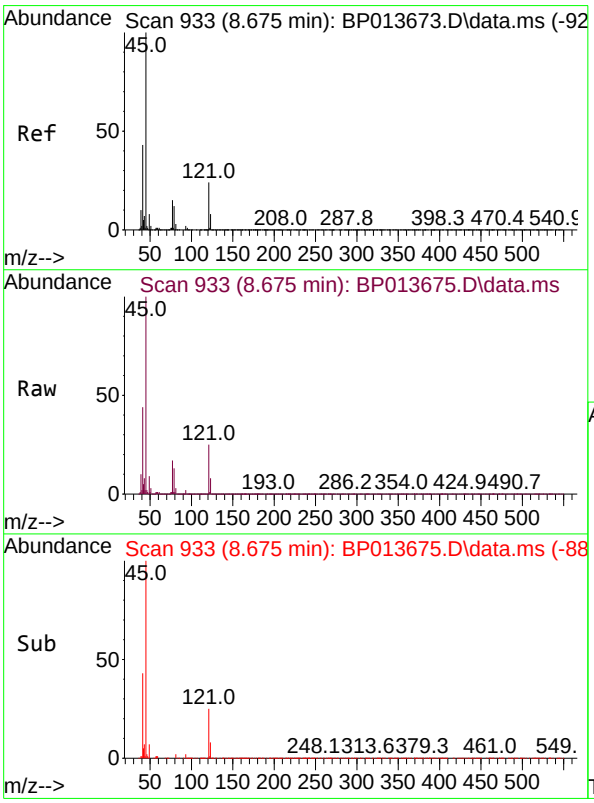
Ion	Ratio	Lower	Upper
79	100		
108	76.5	62.9	94.3
77	65.2	51.1	76.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

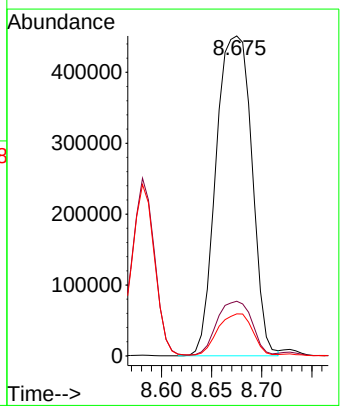
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

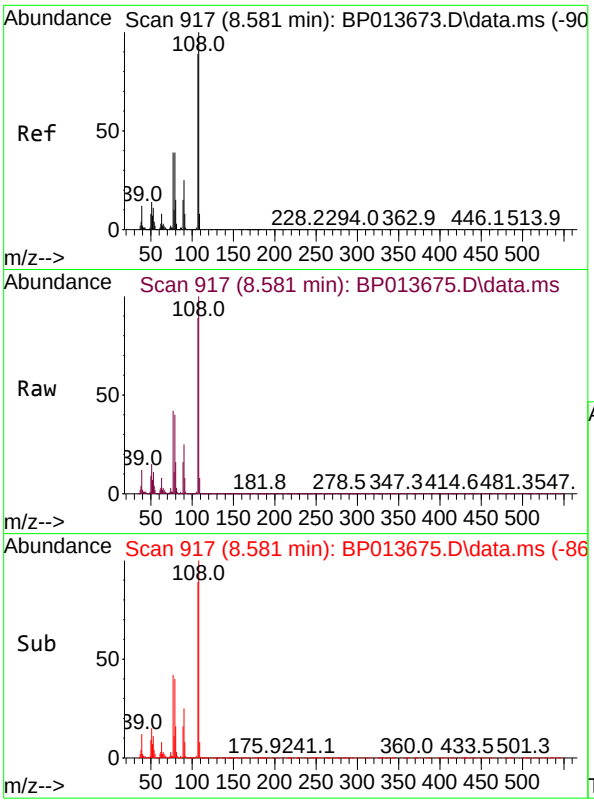


#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.177 ng
RT: 8.675 min Scan# 933
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 45 Resp: 1116091

Ion	Ratio	Lower	Upper
45	100		
77	17.1	0.0	36.4
79	13.1	0.0	33.4

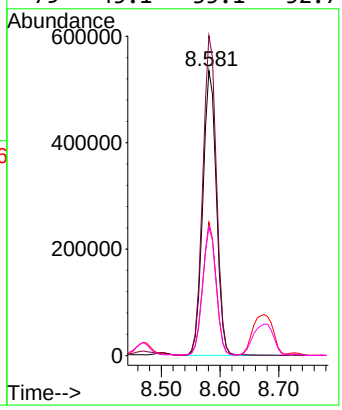




#17
2-Methylphenol
Concen: 57.731 ng
RT: 8.581 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:107 Resp: 85822

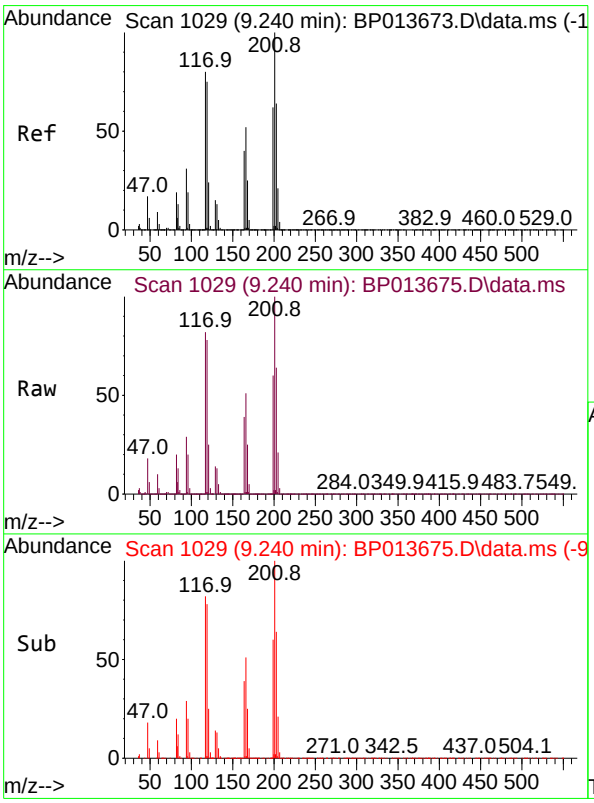
Ion	Ratio	Lower	Upper
107	100		
108	112.3	90.0	135.0
77	46.8	35.7	53.5
79	45.1	35.1	52.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

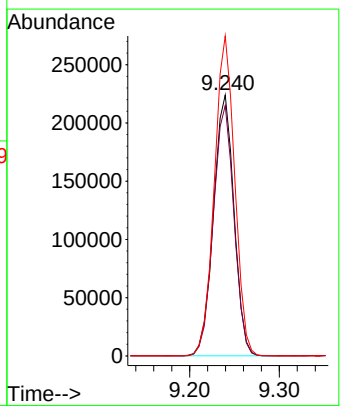
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

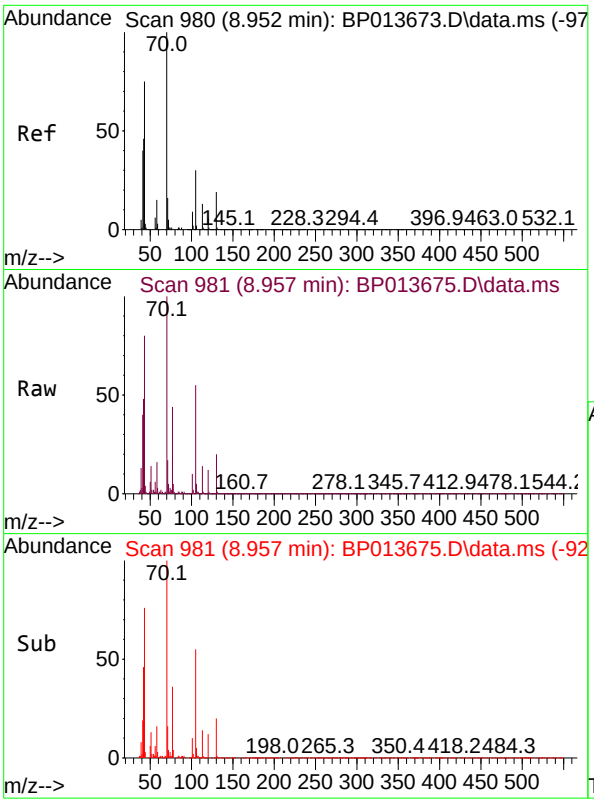


#18
Hexachloroethane
Concen: 59.347 ng
RT: 9.240 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:117 Resp: 357928

Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.0	112.4
201	122.7	100.4	150.6

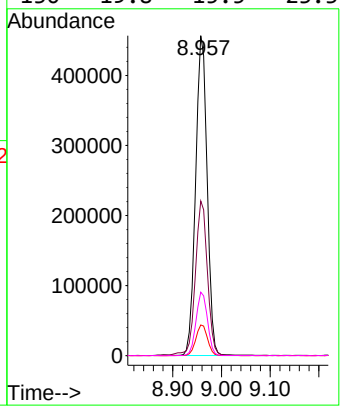




#19
n-Nitroso-di-n-propylamine
Concen: 58.709 ng
RT: 8.957 min Scan# 98
Delta R.T. 0.005 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 70 Resp: 74801

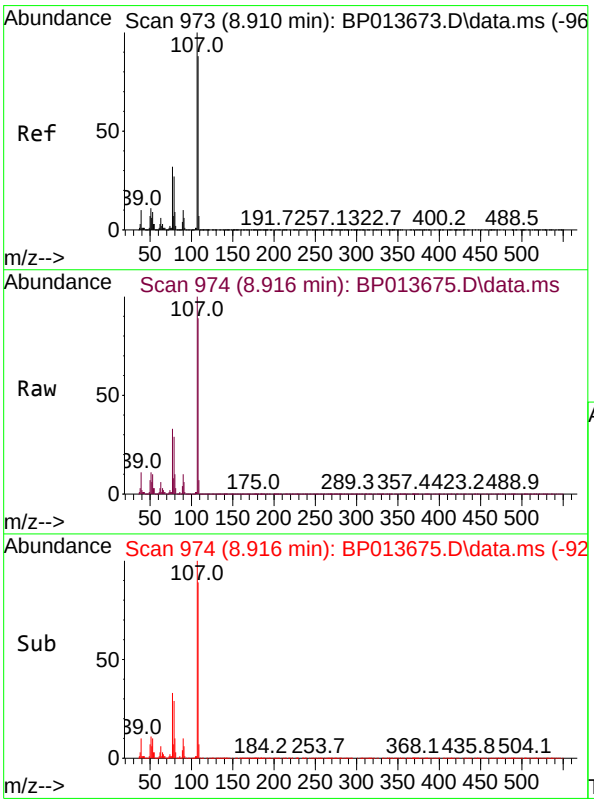
Ion	Ratio	Lower	Upper
70	100		
42	48.3	37.2	55.8
101	9.6	7.4	11.2
130	19.8	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

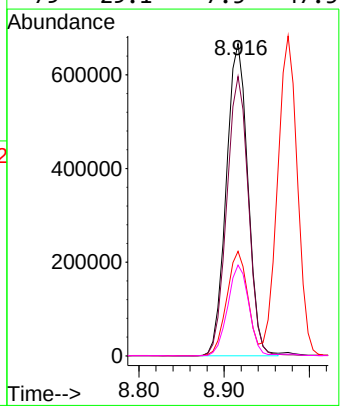
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

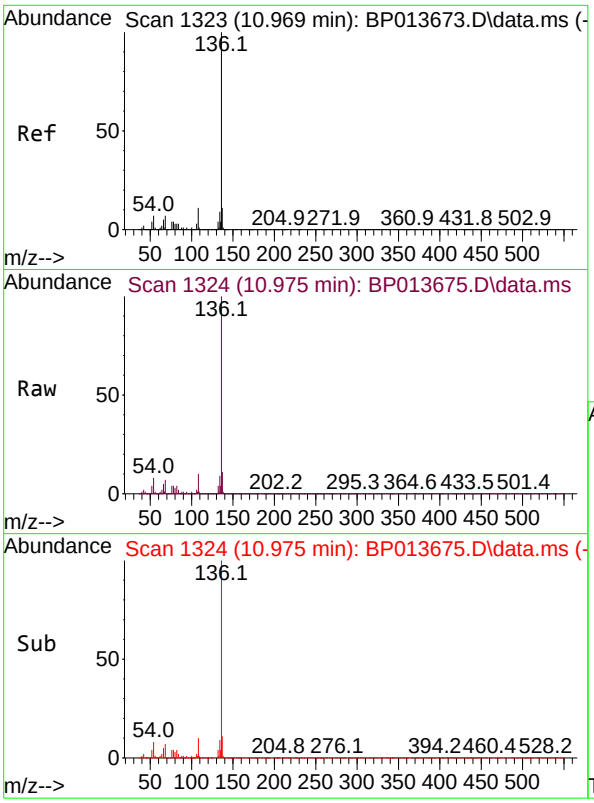


#20
3+4-Methylphenols
Concen: 57.877 ng
RT: 8.916 min Scan# 974
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:107 Resp: 1173755

Ion	Ratio	Lower	Upper
107	100		
108	89.5	67.7	107.7
77	33.5	12.0	52.0
79	29.1	7.5	47.5

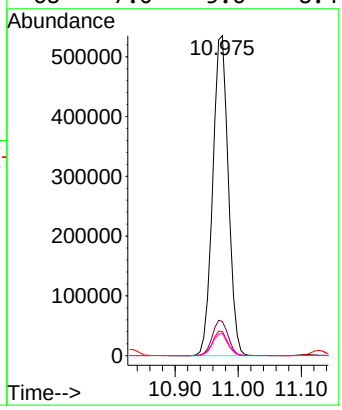




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:136 Resp: 91616

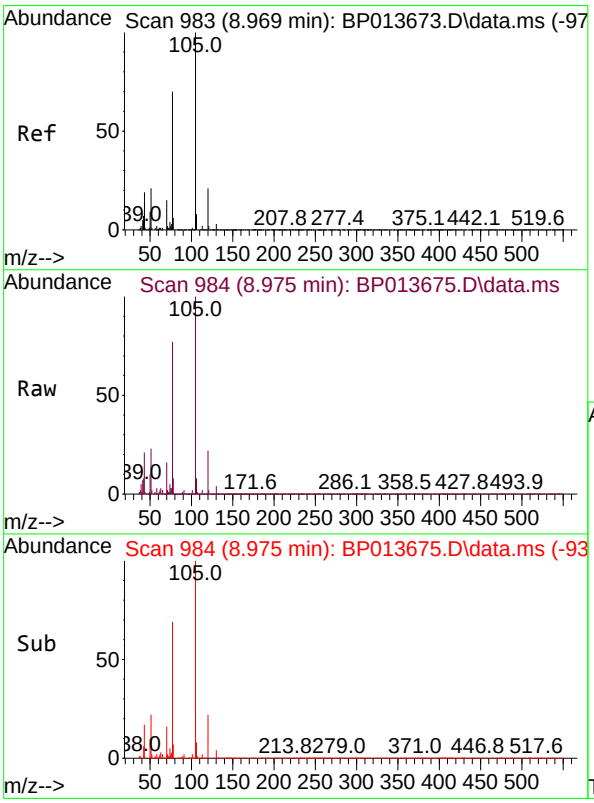
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.5	6.0	9.0
68	7.0	5.6	8.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

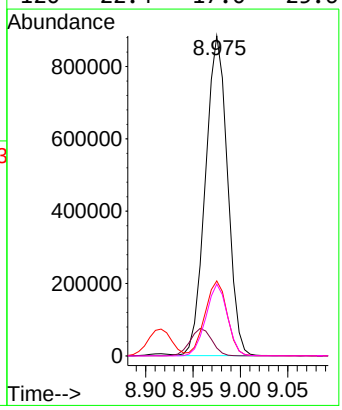
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

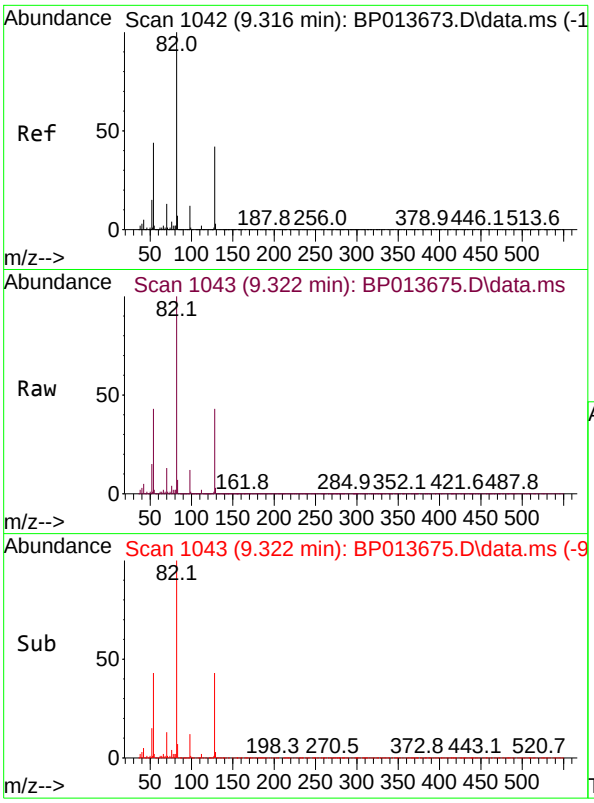


#22
Acetophenone
Concen: 60.054 ng
RT: 8.975 min Scan# 984
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:105 Resp: 1434753

Ion	Ratio	Lower	Upper
105	100		
71	2.5	2.2	3.2
51	23.4	18.6	27.8
120	22.4	17.0	25.6

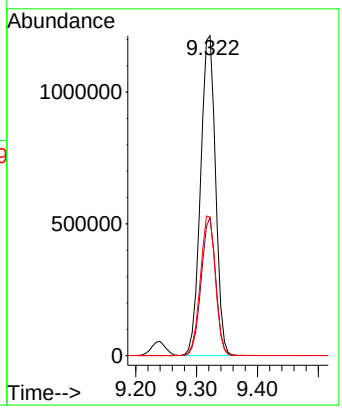




#23
Nitrobenzene-d5
Concen: 131.432 ng
RT: 9.322 min Scan# 10
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 82 Resp: 207036

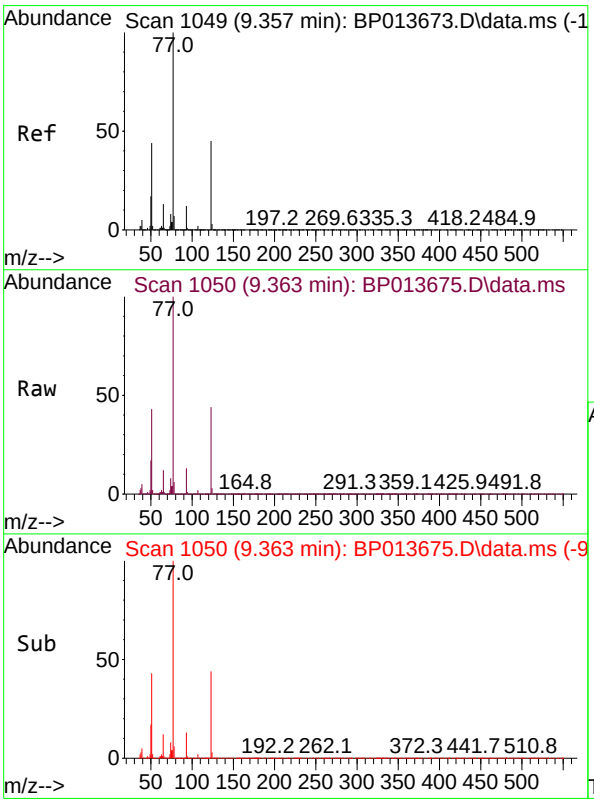
Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.4	50.0
54	43.3	35.4	53.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

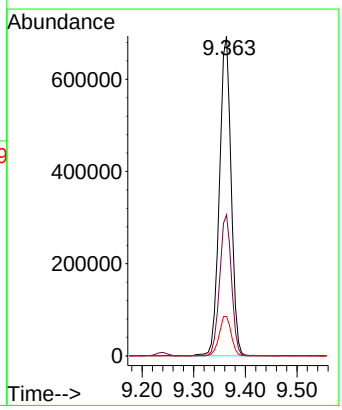
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

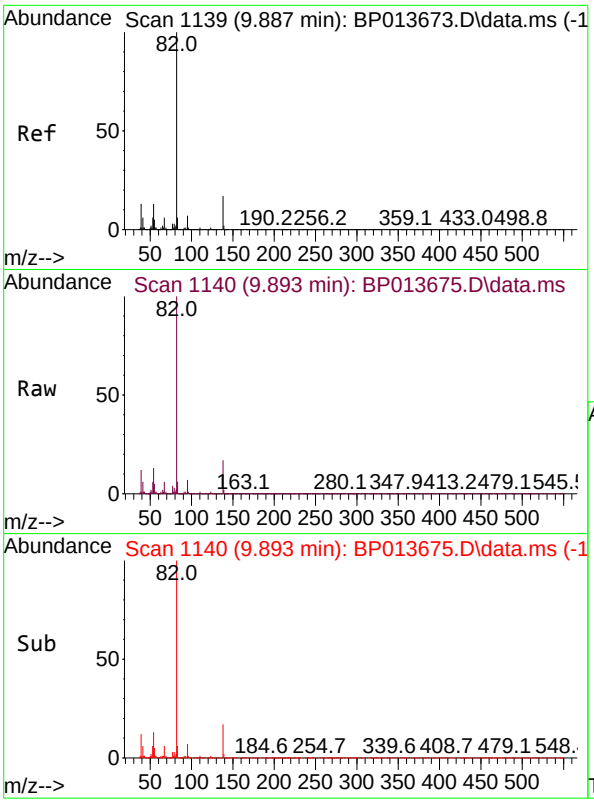


#24
Nitrobenzene
Concen: 64.288 ng
RT: 9.363 min Scan# 1050
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 77 Resp: 1098251

Ion	Ratio	Lower	Upper
77	100		
123	44.1	35.9	53.9
65	12.3	10.2	15.4

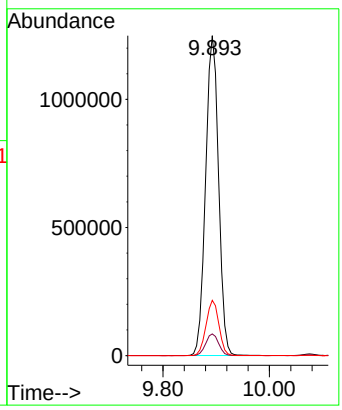




#25
Isophorone
Concen: 60.411 ng
RT: 9.893 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 82 Resp: 210886

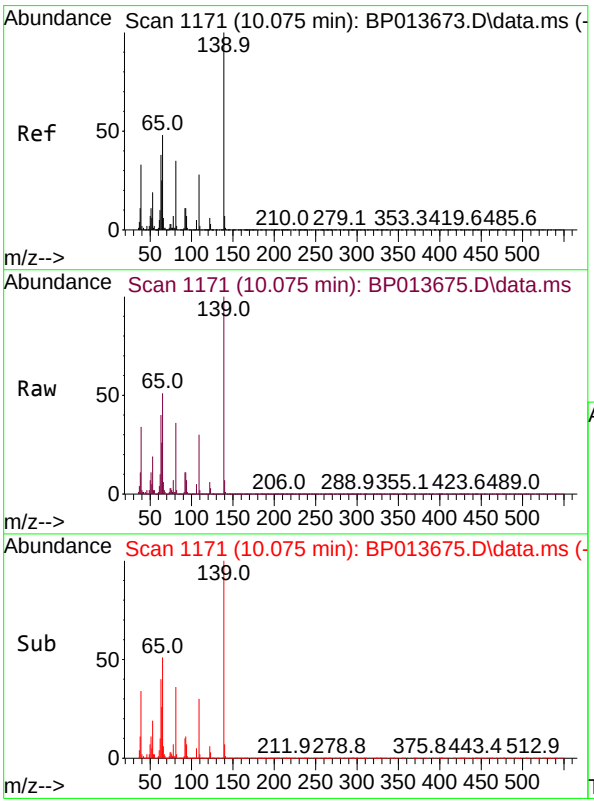
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	17.3	13.9	20.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

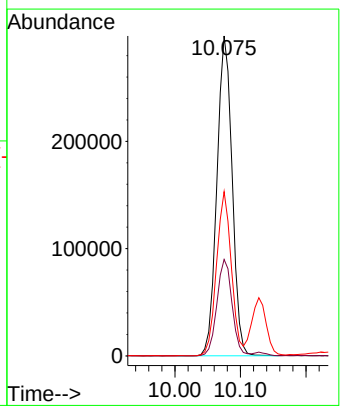
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

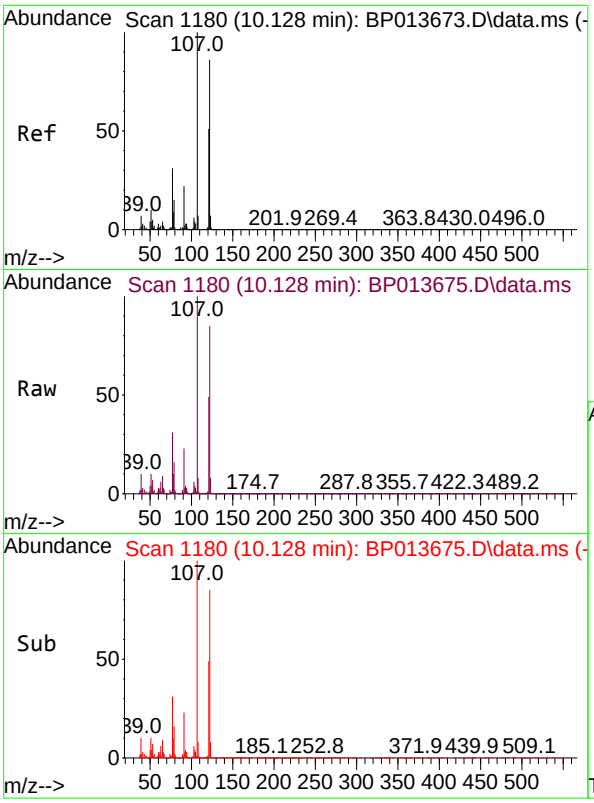


#26
2-Nitrophenol
Concen: 67.490 ng
RT: 10.075 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:139 Resp: 482585

Ion	Ratio	Lower	Upper
139	100		
109	30.1	22.7	34.1
65	51.3	38.8	58.2





#27
2,4-Dimethylphenol
Concen: 58.390 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

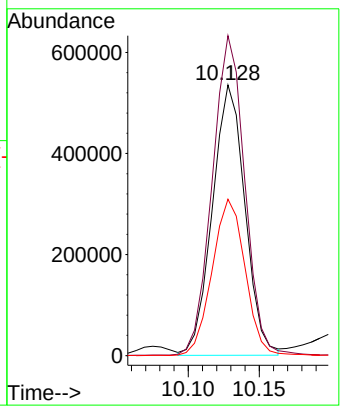
Tgt Ion:122 Resp: 85479

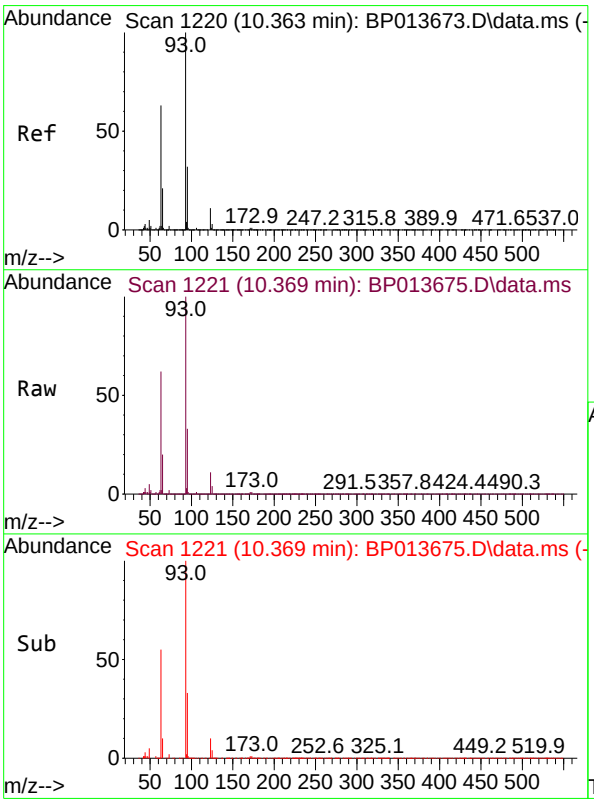
Ion	Ratio	Lower	Upper
122	100		
107	118.2	93.0	139.6
121	57.8	47.0	70.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

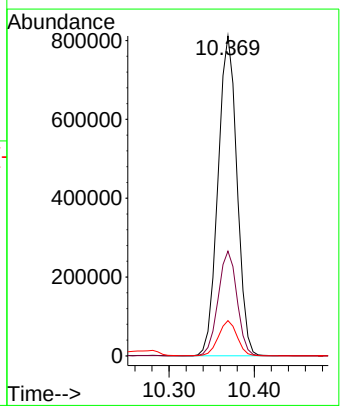


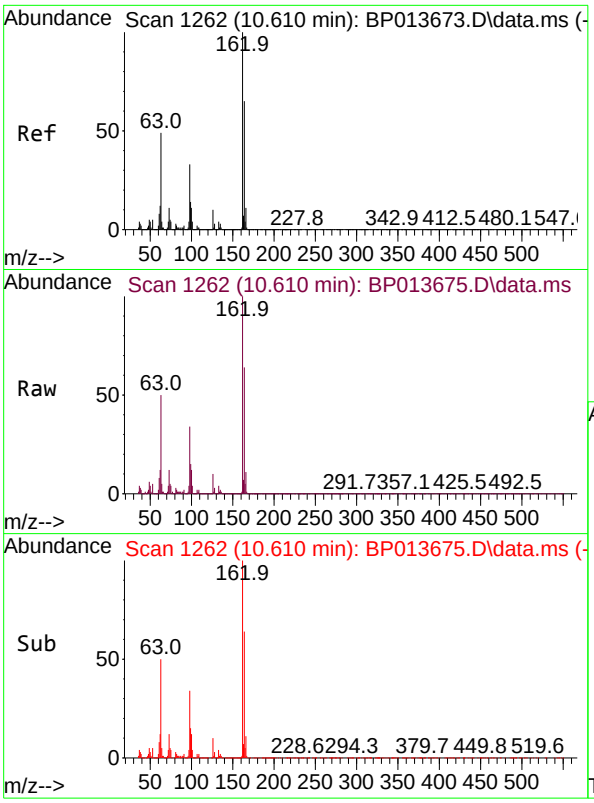


#28
bis(2-Chloroethoxy)methane
Concen: 59.984 ng
RT: 10.369 min Scan# 1221
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 93 Resp: 1255035

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.0	39.0
123	11.0	8.7	13.1

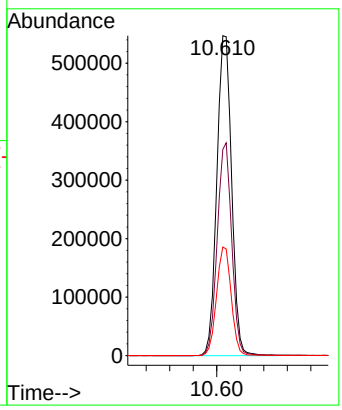




#29
2,4-Dichlorophenol
Concen: 62.253 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:162 Resp: 95458

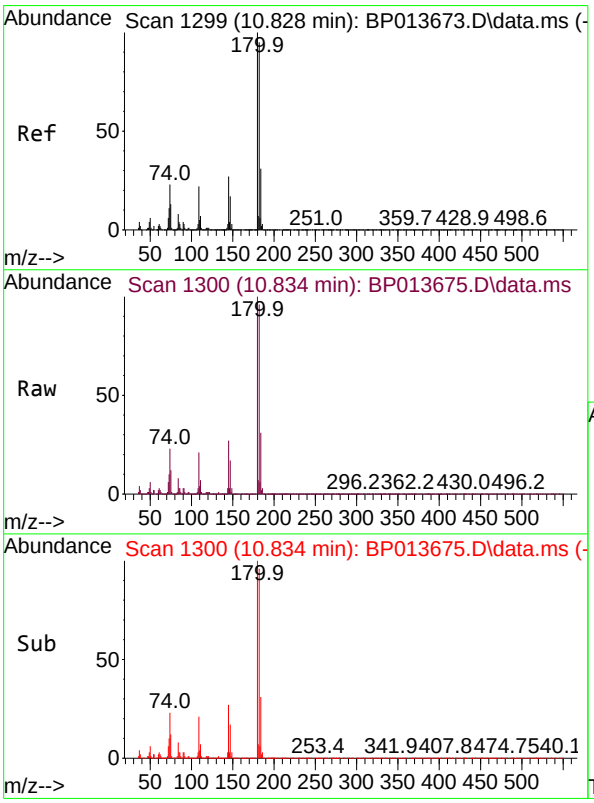
Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.8	84.8
98	33.9	13.4	53.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

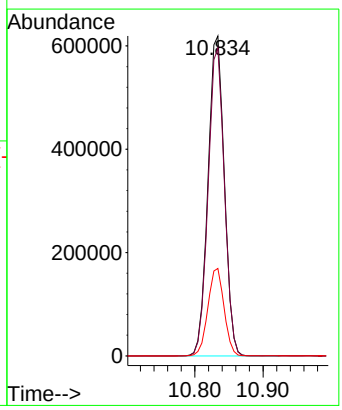
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

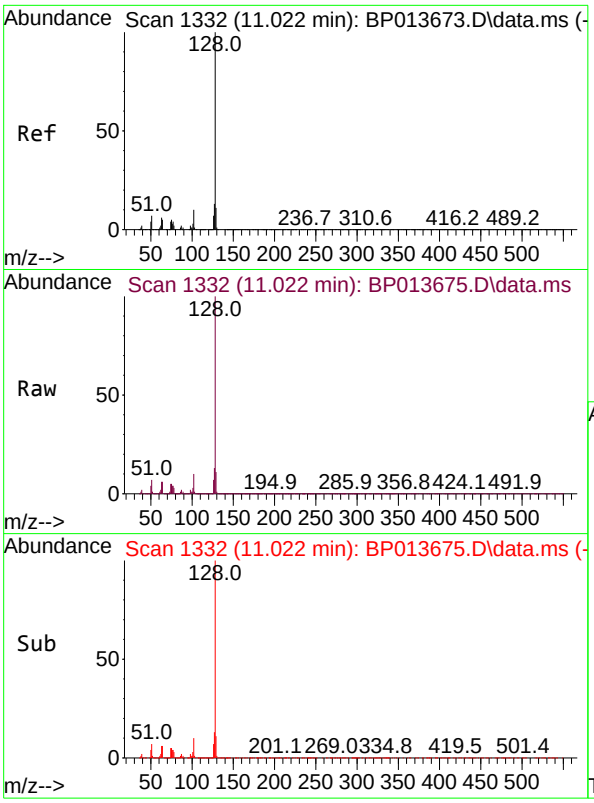


#30
1,2,4-Trichlorobenzene
Concen: 60.360 ng
RT: 10.834 min Scan# 1300
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:180 Resp: 1026986

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.4	114.6
145	27.3	21.9	32.9

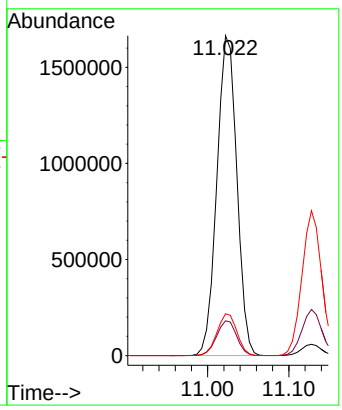




#31
Naphthalene
Concen: 58.946 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:128 Resp: 283954

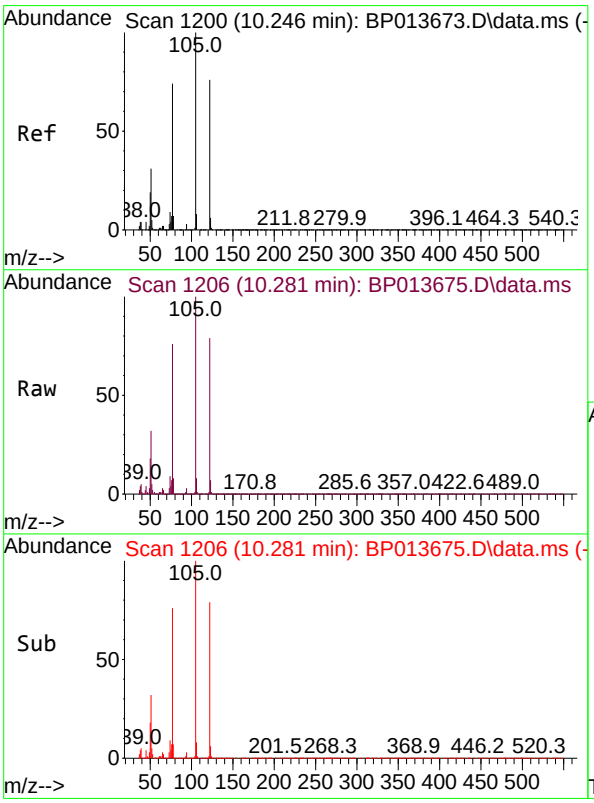
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	13.1	10.5	15.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

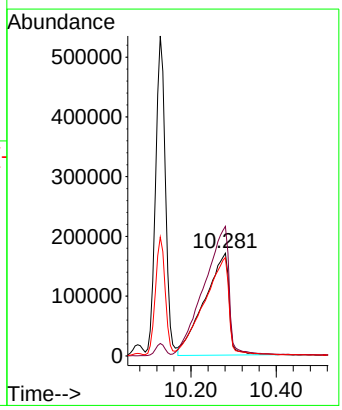
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

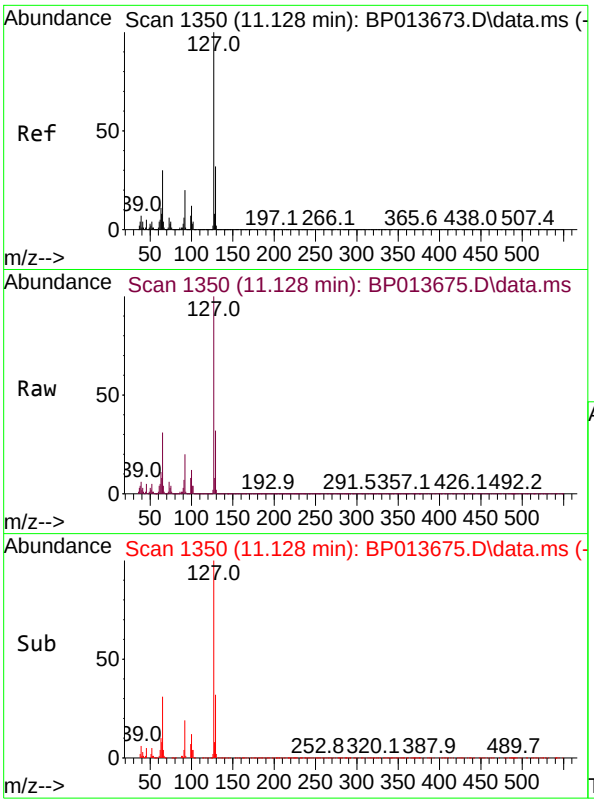


#32
Benzoic acid
Concen: 65.558 ng
RT: 10.281 min Scan# 1206
Delta R.T. 0.035 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:122 Resp: 686594

Ion	Ratio	Lower	Upper
122	100		
105	126.2	105.5	145.5
77	95.8	74.7	114.7

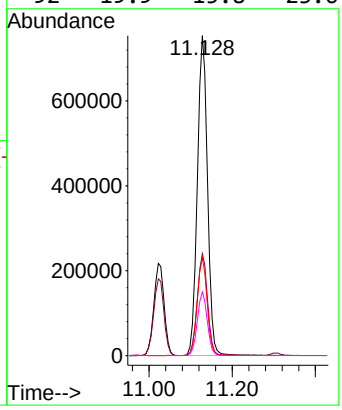




#33
4-Chloroaniline
Concen: 60.296 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:127 Resp: 127624

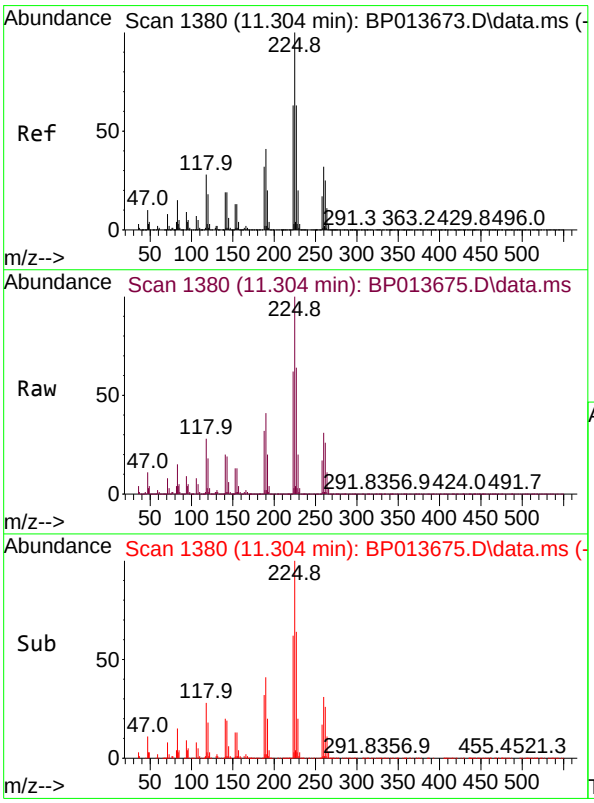
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.3	37.9
65	30.7	23.8	35.8
92	19.9	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

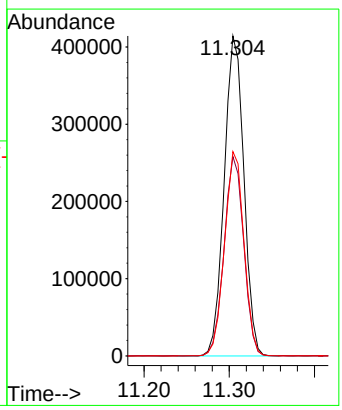
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

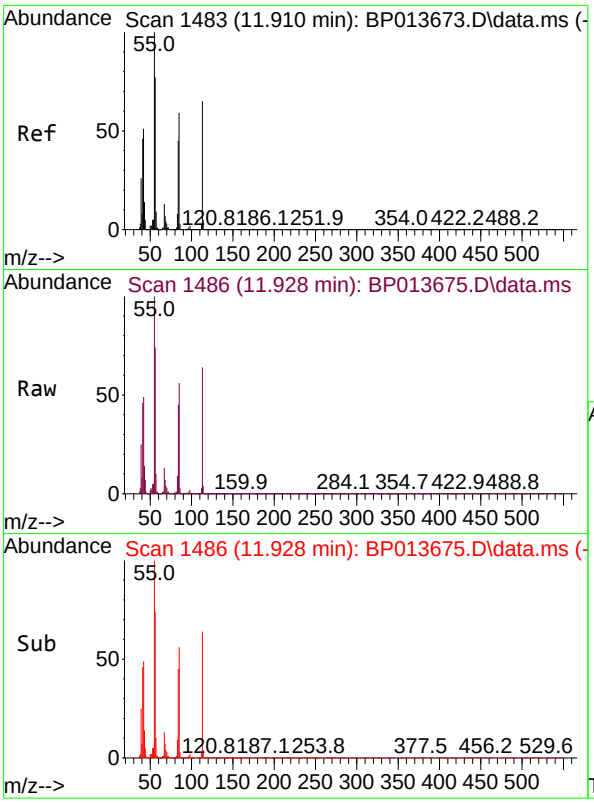


#34
Hexachlorobutadiene
Concen: 61.382 ng
RT: 11.304 min Scan# 1380
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:225 Resp: 662943

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.5	75.7
227	63.8	50.6	75.8





#35
Caprolactam
Concen: 61.904 ng
RT: 11.928 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

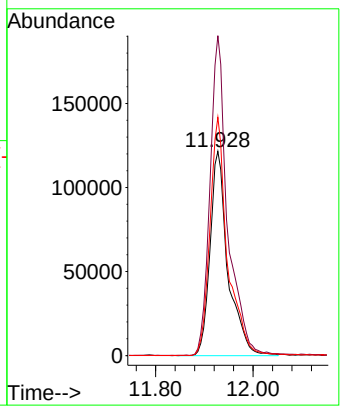
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

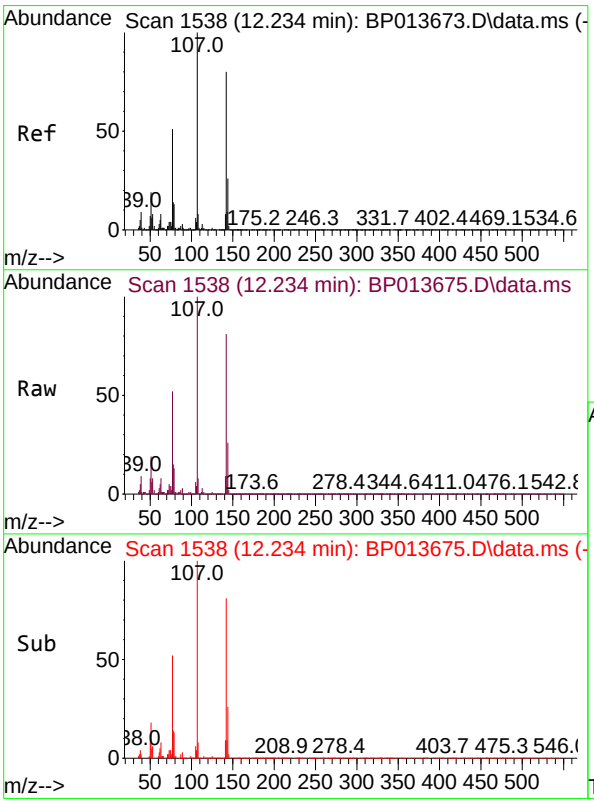
Tgt Ion:113 Resp: 31052

Ion	Ratio	Lower	Upper
113	100		
55	156.7	133.0	173.0
56	116.7	97.4	137.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

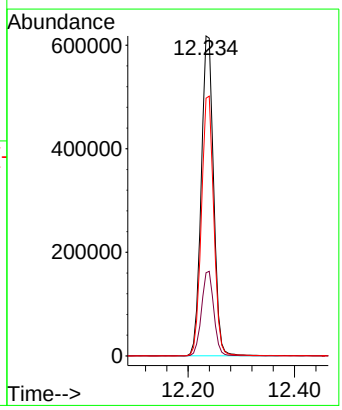


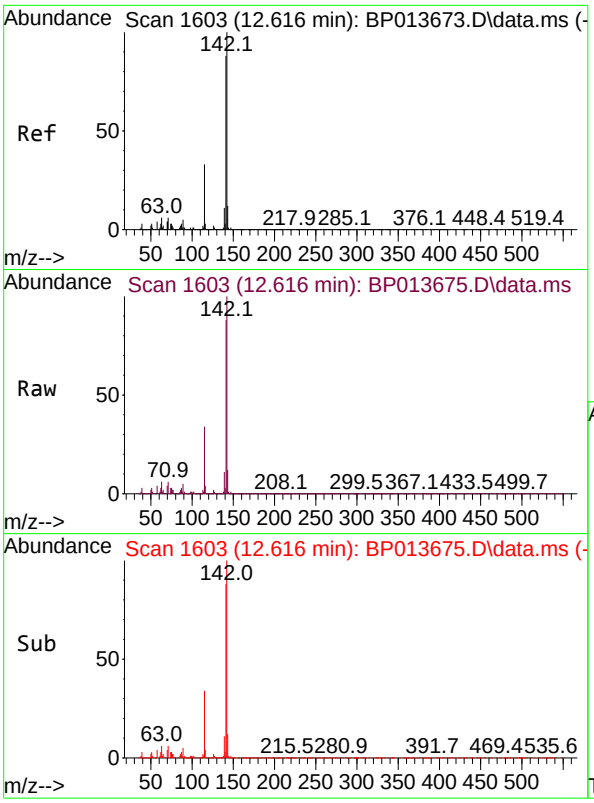


#36
4-Chloro-3-methylphenol
Concen: 61.528 ng
RT: 12.234 min Scan# 1538
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:107 Resp: 992433

Ion	Ratio	Lower	Upper
107	100		
144	26.0	20.8	31.2
142	80.5	64.0	96.0

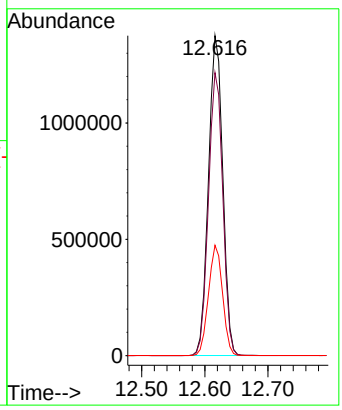




#37
2-Methylnaphthalene
Concen: 59.799 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:142 Resp: 216597

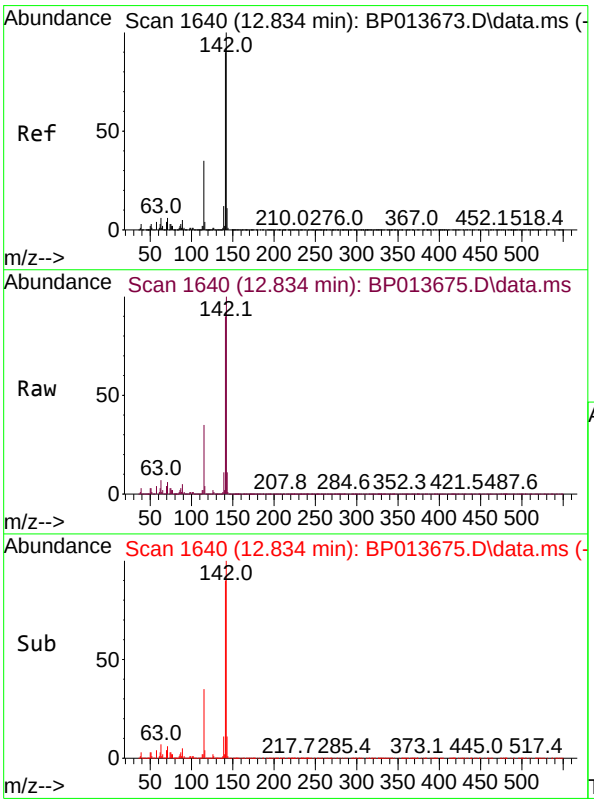
Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.3	105.5
115	34.5	26.4	39.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

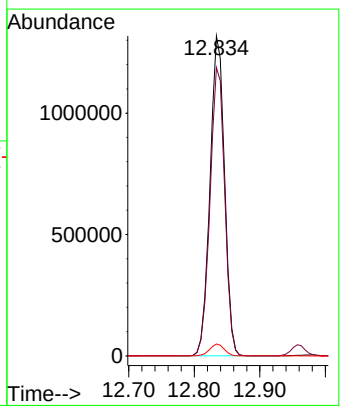
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

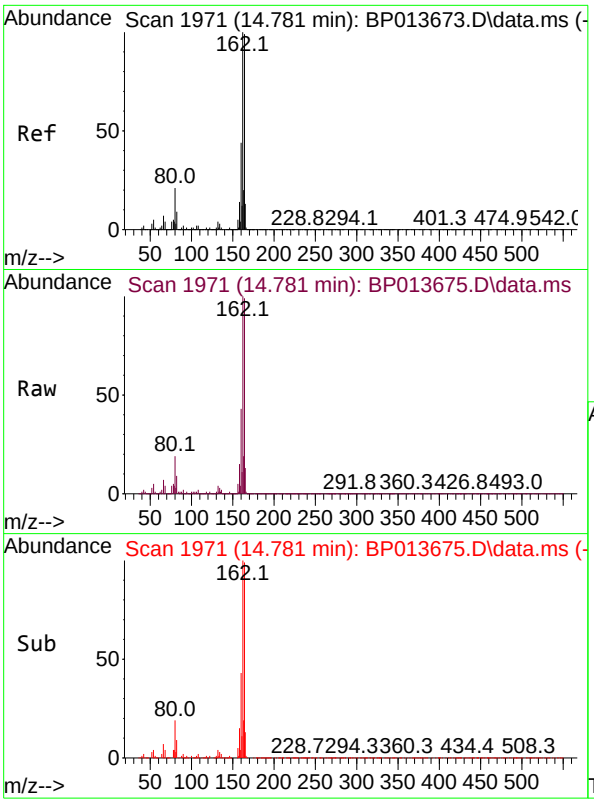


#38
1-Methylnaphthalene
Concen: 59.645 ng
RT: 12.834 min Scan# 1640
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:142 Resp: 2029388

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.2	108.4
116	3.7	3.0	4.4

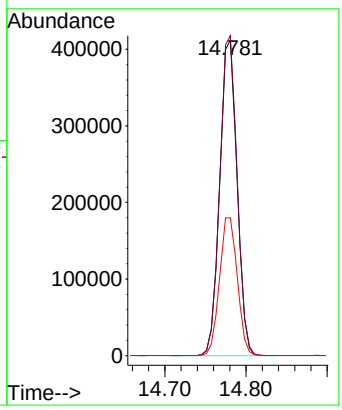




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.781 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:164 Resp: 607852

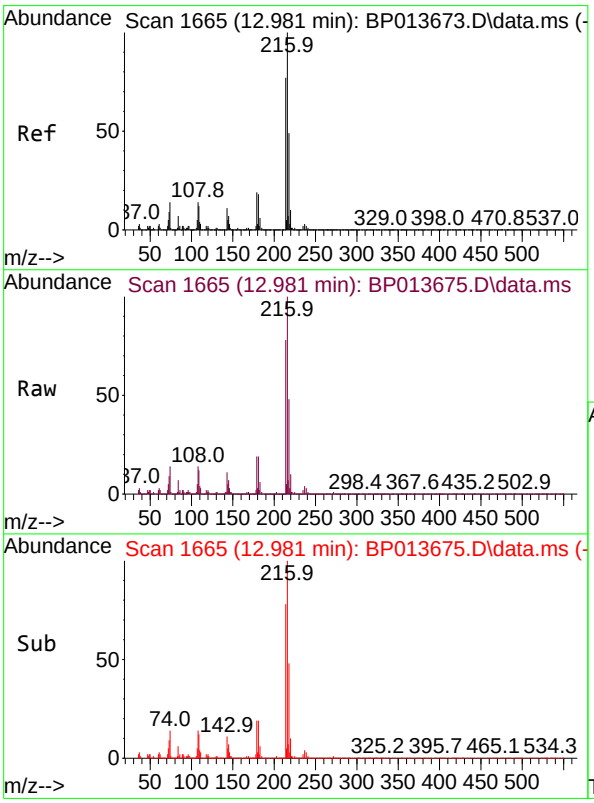
Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.8	121.2
160	43.7	35.6	53.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

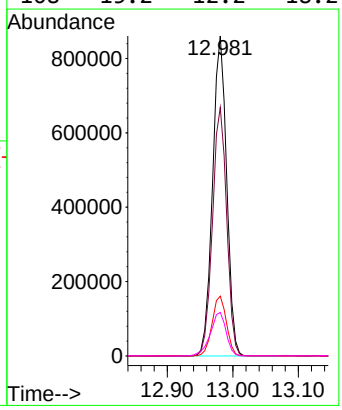
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

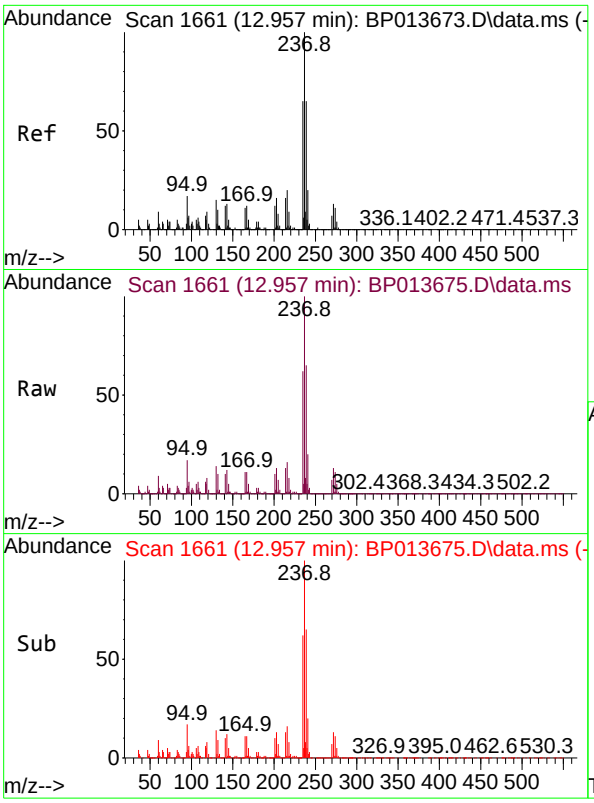


#40
1,2,4,5-Tetrachlorobenzene
Concen: 61.958 ng
RT: 12.981 min Scan# 1665
Delta R.T. -0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:216 Resp: 1285768

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.6	94.0
179	19.0	15.2	22.8
108	15.2	12.2	18.2

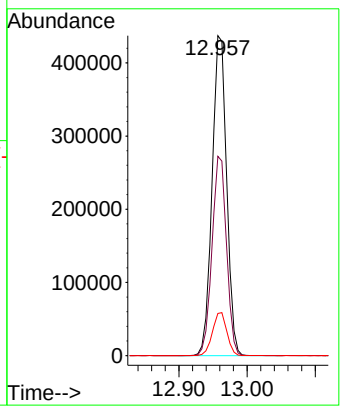




#41
Hexachlorocyclopentadiene
Concen: 67.980 ng
RT: 12.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:237 Resp: 643896

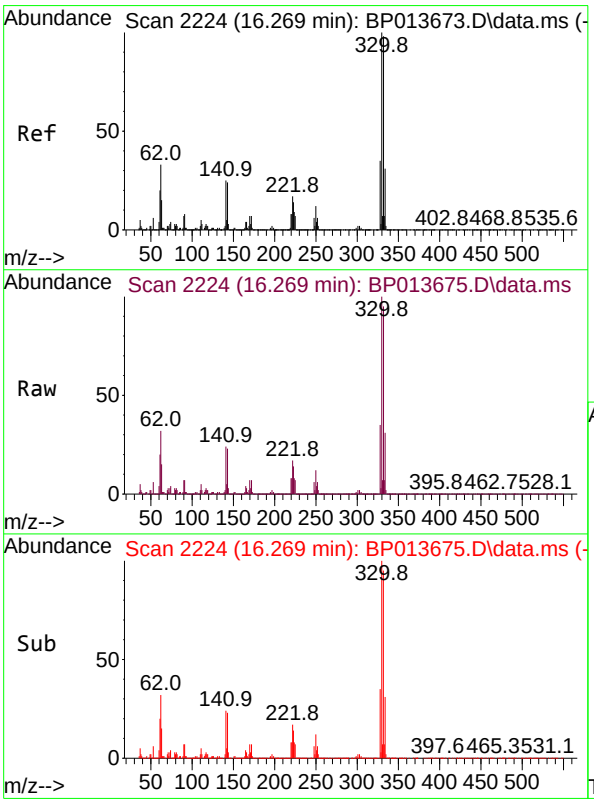
Ion	Ratio	Lower	Upper
237	100		
235	62.3	44.6	84.6
272	13.2	0.0	33.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

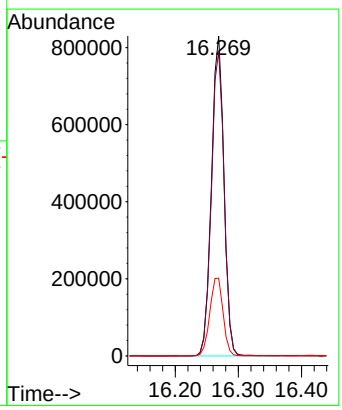
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

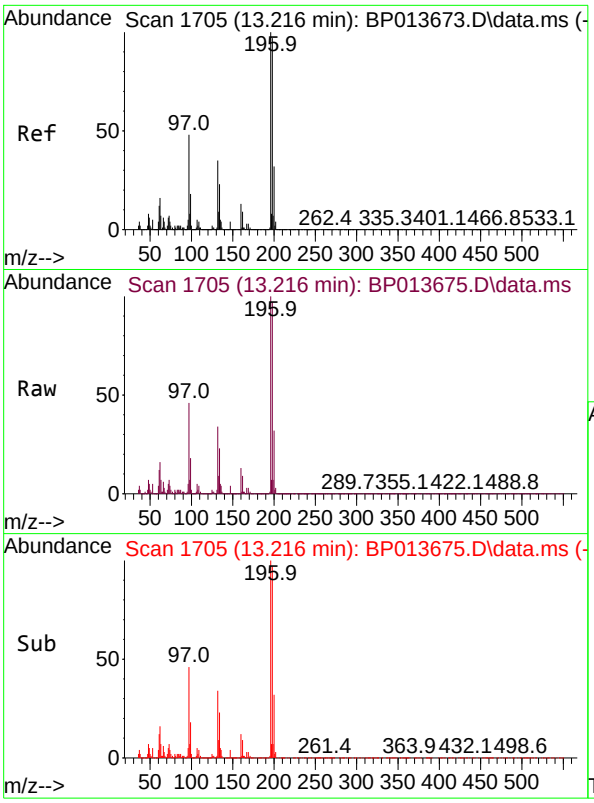


#42
2,4,6-Tribromophenol
Concen: 125.307 ng
RT: 16.269 min Scan# 2224
Delta R.T. -0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:330 Resp: 1142437

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	25.8	21.3	31.9

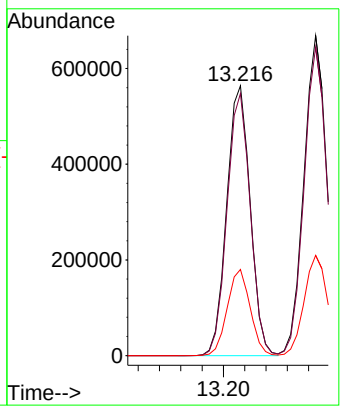




#43
2,4,6-Trichlorophenol
Concen: 63.098 ng
RT: 13.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:196 Resp: 86222

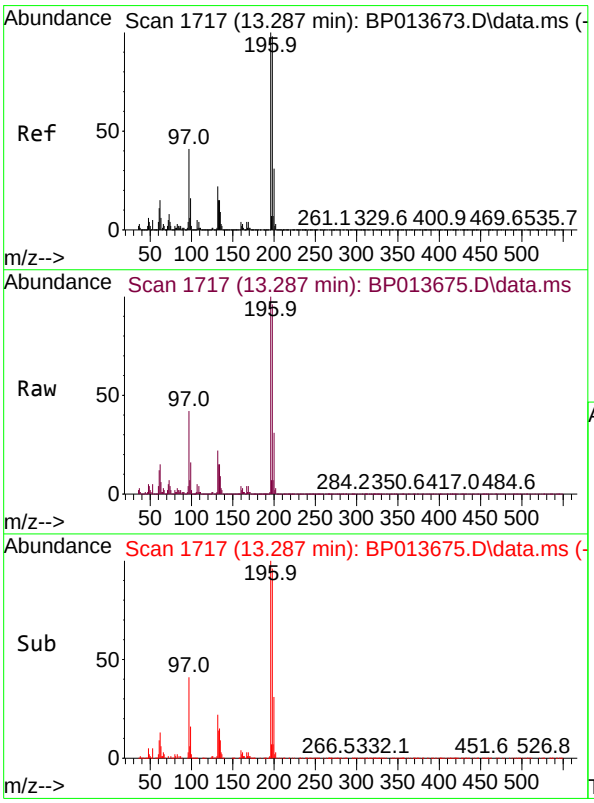
Ion	Ratio	Lower	Upper
196	100		
198	97.2	77.5	116.3
200	31.9	25.3	37.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

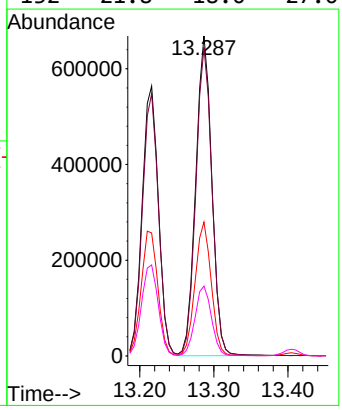
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

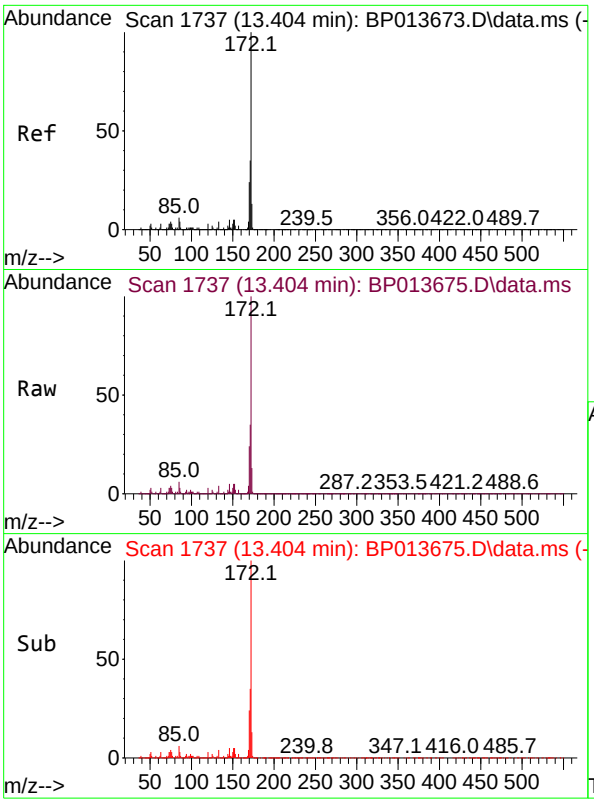


#44
2,4,5-Trichlorophenol
Concen: 63.033 ng
RT: 13.287 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:196 Resp: 1008486

Ion	Ratio	Lower	Upper
196	100		
198	96.4	78.2	117.2
97	41.8	33.2	49.8
132	21.8	18.0	27.0

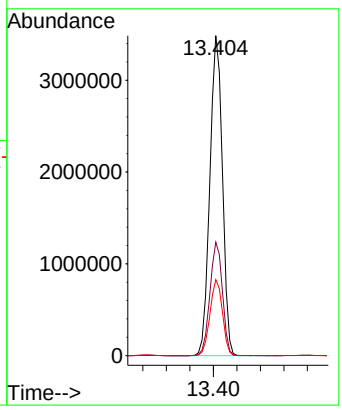




#45
2-Fluorobiphenyl
Concen: 118.703 ng
RT: 13.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:172 Resp: 515653

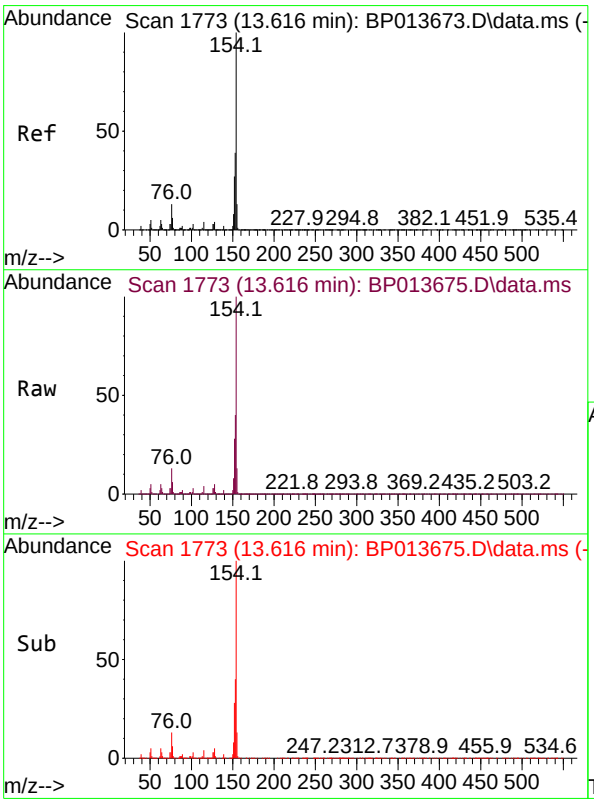
Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	23.8	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

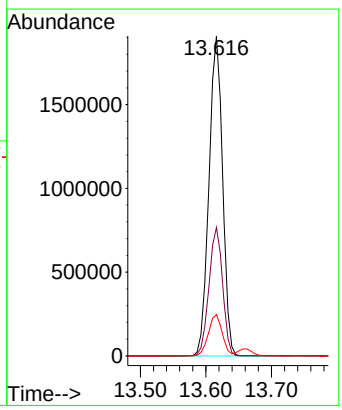
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

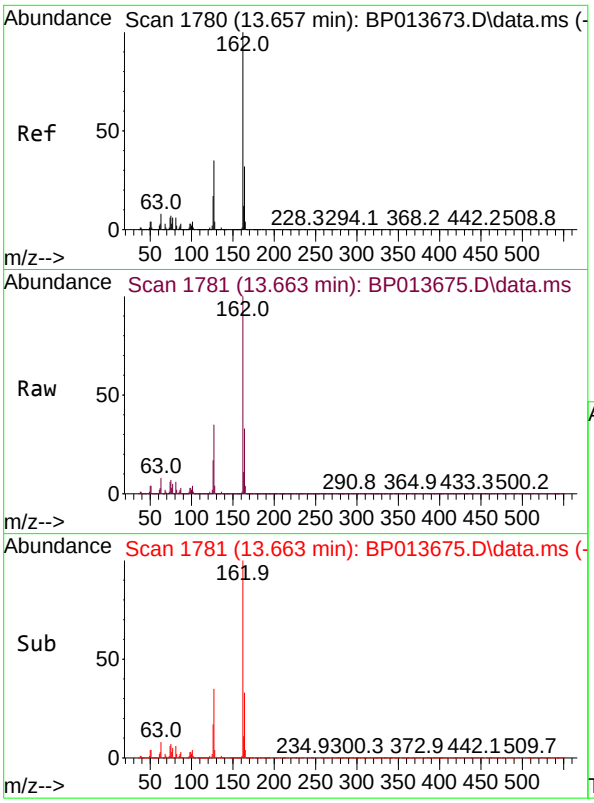


#46
1,1'-Biphenyl
Concen: 59.816 ng
RT: 13.616 min Scan# 1773
Delta R.T. -0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:154 Resp: 2751462

Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.3	59.3
76	12.9	0.0	33.1

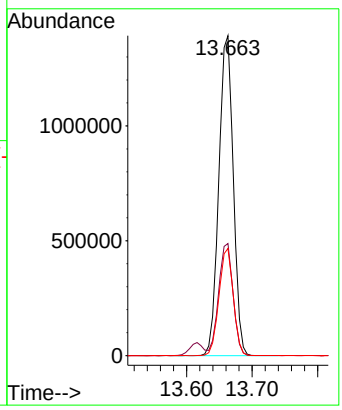




#47
2-Chloronaphthalene
Concen: 60.160 ng
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:162 Resp: 213903

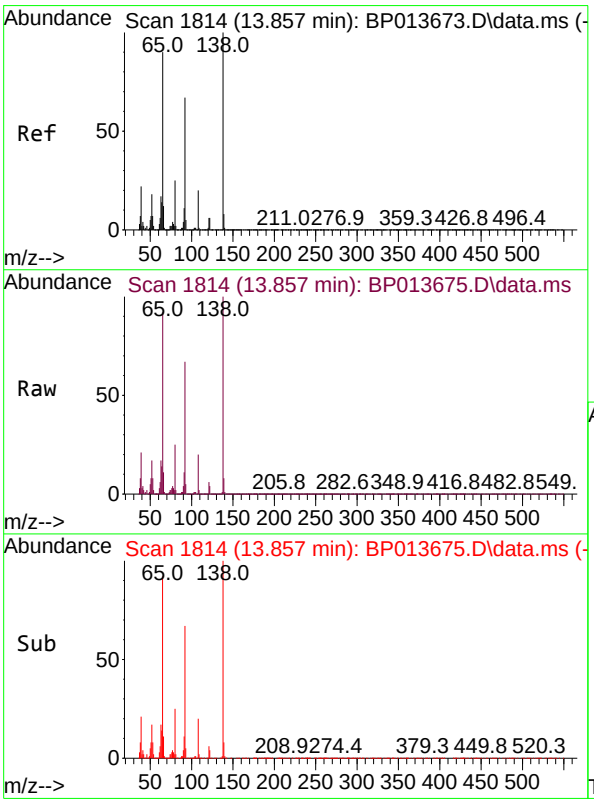
Ion	Ratio	Lower	Upper
162	100		
127	35.0	28.3	42.5
164	33.5	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

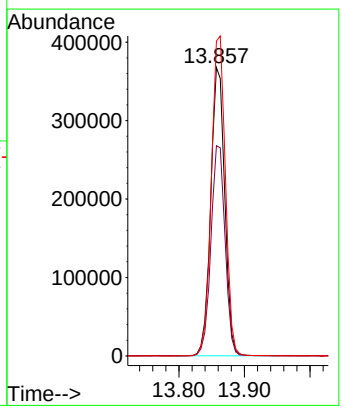
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

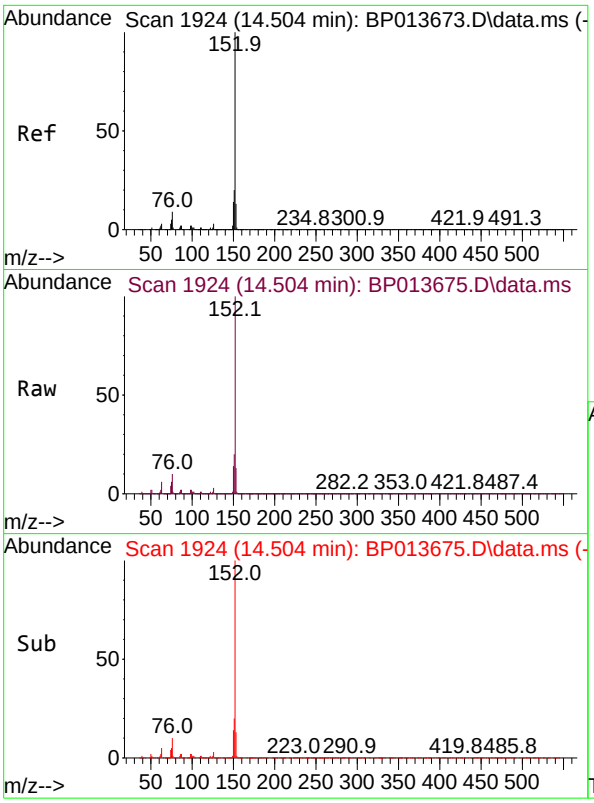


#48
2-Nitroaniline
Concen: 71.900 ng
RT: 13.857 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 65 Resp: 546260

Ion	Ratio	Lower	Upper
65	100		
92	72.9	59.4	89.0
138	109.2	88.6	133.0

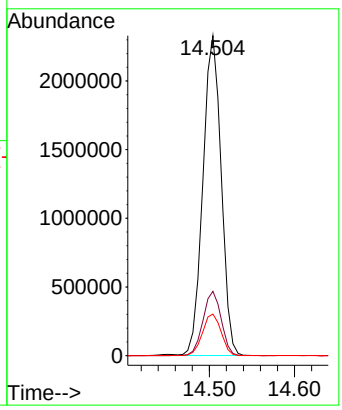




#49
Acenaphthylene
Concen: 60.450 ng
RT: 14.504 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:152 Resp: 346610

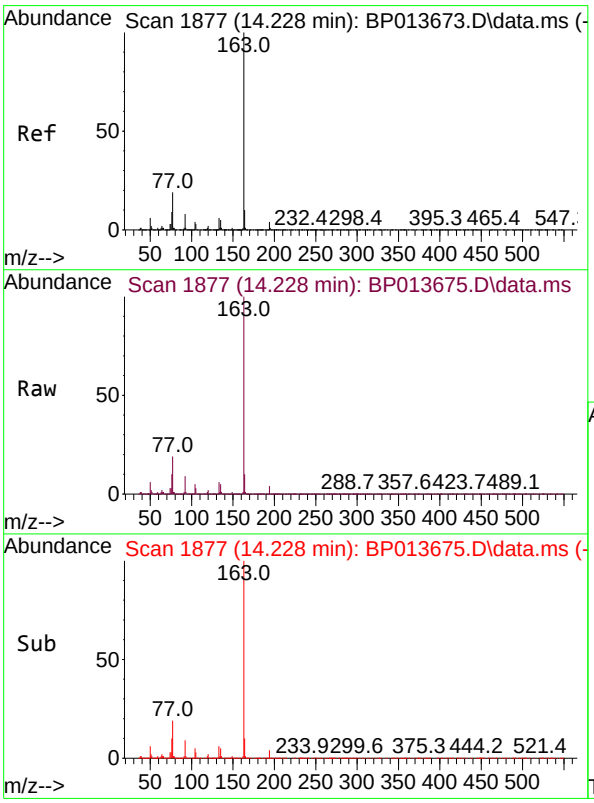
Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	13.0	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

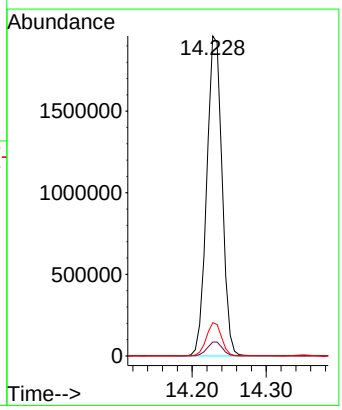
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

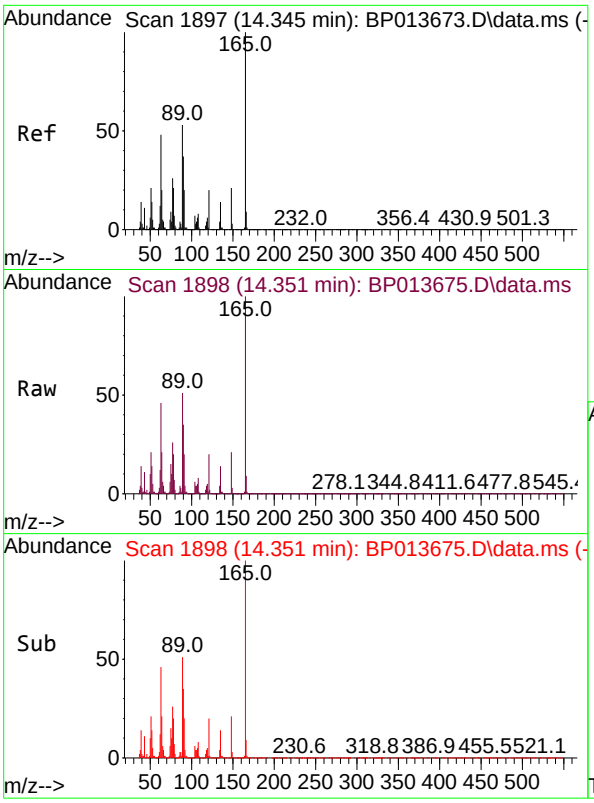


#50
Dimethylphthalate
Concen: 59.804 ng
RT: 14.228 min Scan# 1877
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:163 Resp: 2811702

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.4	8.4	12.6





#51
2,6-Dinitrotoluene
Concen: 70.334 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

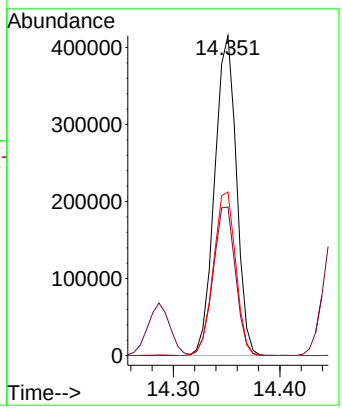
Tgt Ion:165 Resp: 59101

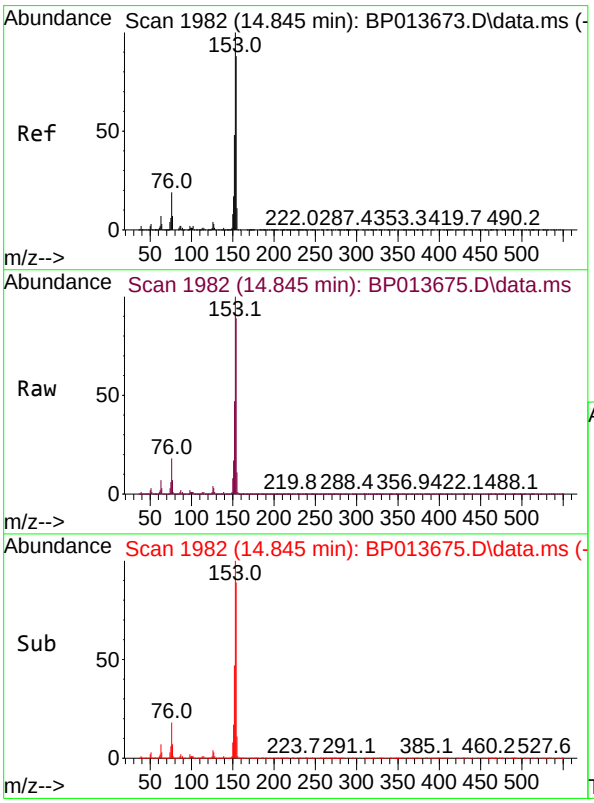
Ion	Ratio	Lower	Upper
165	100		
63	46.4	39.8	59.6
89	51.1	42.4	63.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

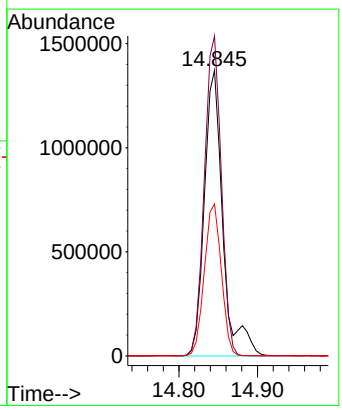


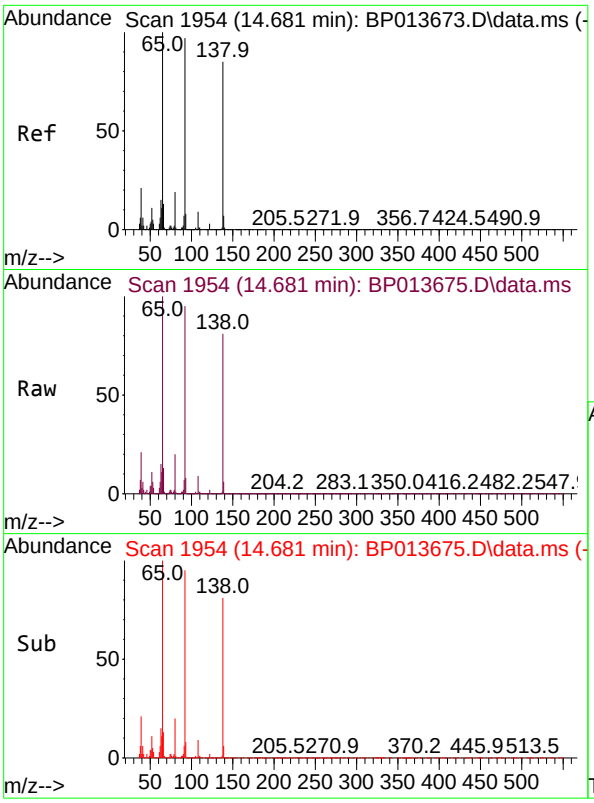


#52
Acenaphthene
Concen: 62.775 ng m
RT: 14.845 min Scan# 1982
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:154 Resp: 2245118

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.6	135.8
152	53.2	43.4	65.0

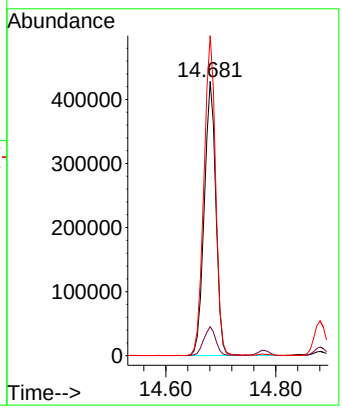




#53
3-Nitroaniline
Concen: 68.239 ng
RT: 14.681 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:138 Resp: 62535

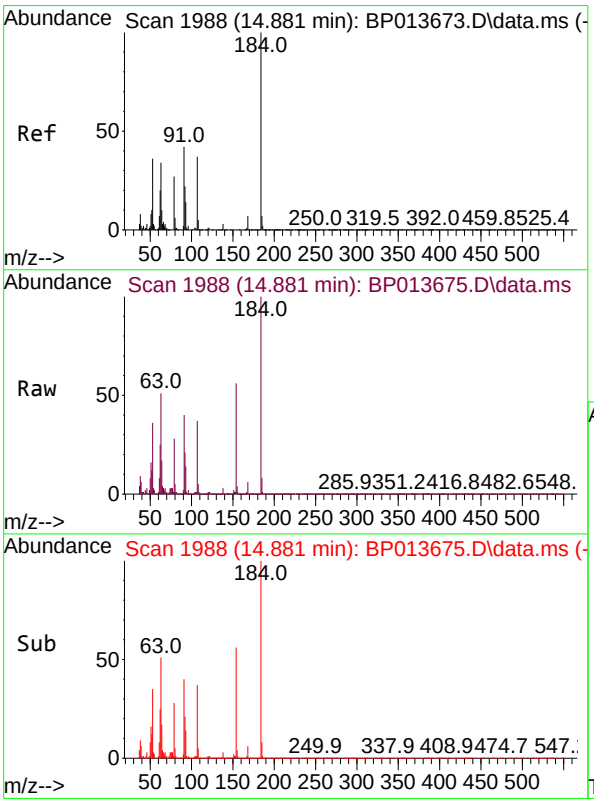
Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.5	12.7
92	116.7	91.5	137.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

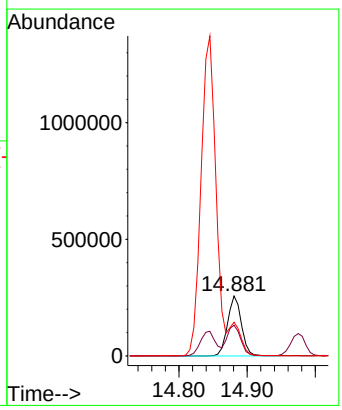
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

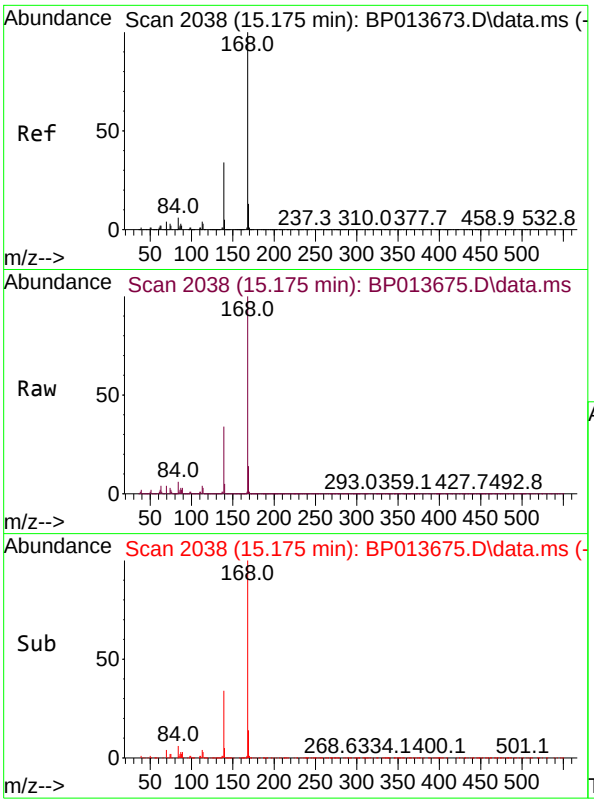


#54
2,4-Dinitrophenol
Concen: 70.235 ng
RT: 14.881 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:184 Resp: 359196

Ion	Ratio	Lower	Upper
184	100		
63	51.2	41.4	62.0
154	56.2	44.3	66.5

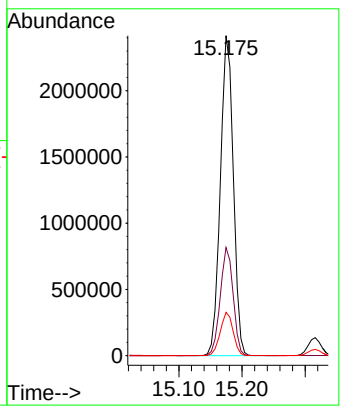




#55
Dibenzofuran
Concen: 59.464 ng
RT: 15.175 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:168 Resp: 343535

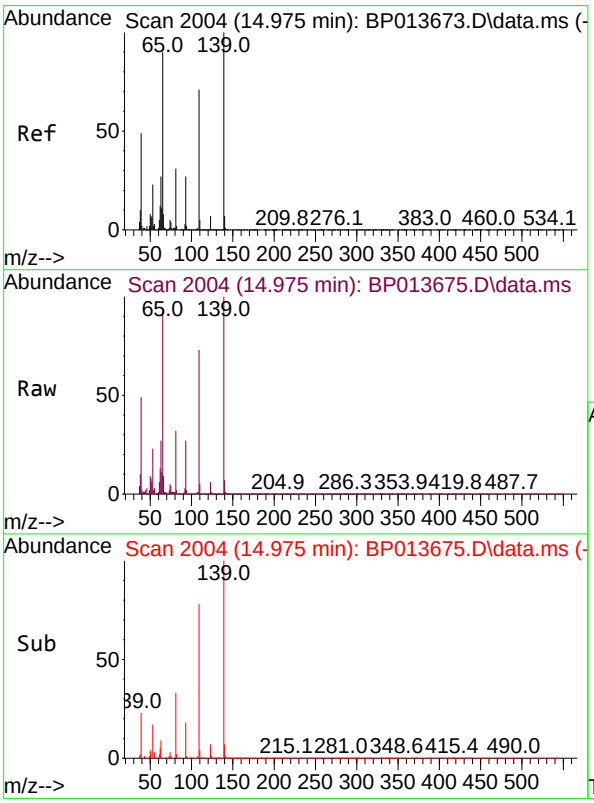
Ion	Ratio	Lower	Upper
168	100		
139	33.8	27.4	41.2
169	13.5	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

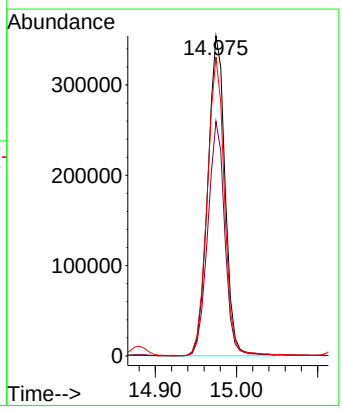
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

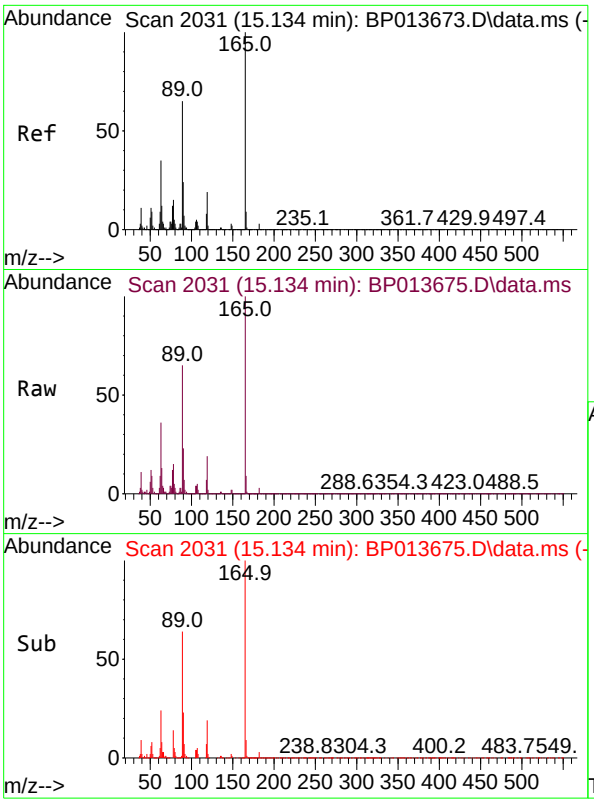


#56
4-Nitrophenol
Concen: 64.296 ng
RT: 14.975 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:139 Resp: 524119

Ion	Ratio	Lower	Upper
139	100		
109	73.3	50.9	90.9
65	93.4	70.0	110.0

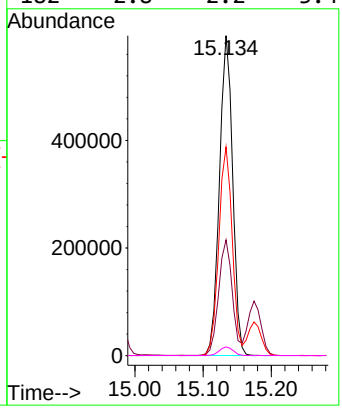




#57
2,4-Dinitrotoluene
Concen: 72.027 ng
RT: 15.134 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:165 Resp: 79426

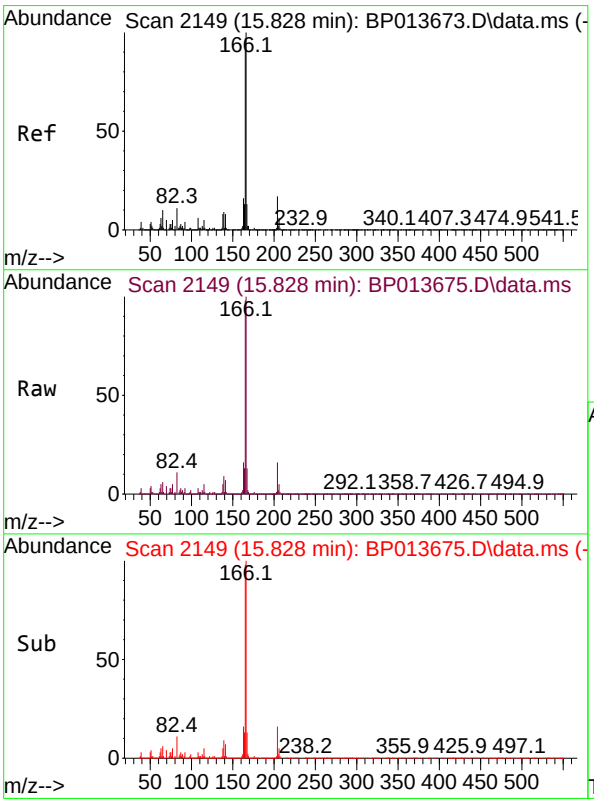
Ion	Ratio	Lower	Upper
165	100		
63	36.2	28.1	42.1
89	65.2	52.0	78.0
182	2.8	2.2	3.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

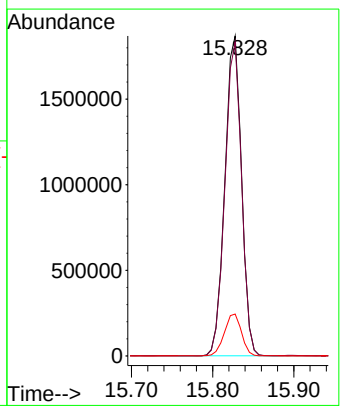
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

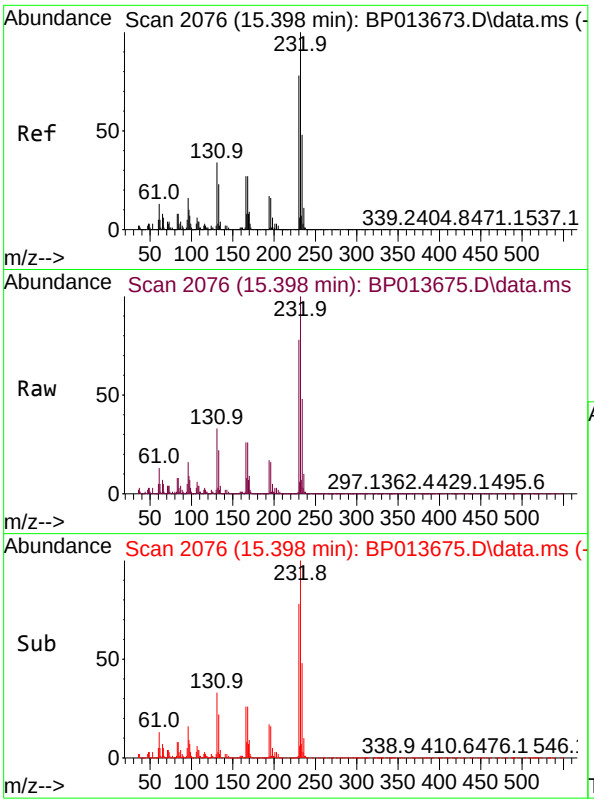


#58
Fluorene
Concen: 58.832 ng
RT: 15.828 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:166 Resp: 2668499

Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.6	116.4
167	13.1	10.6	15.8

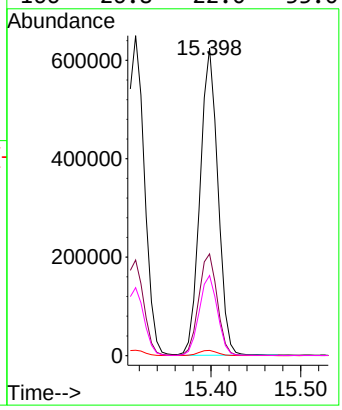




#59
2,3,4,6-Tetrachlorophenol
Concen: 61.922 ng
RT: 15.398 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:232 Resp: 86148

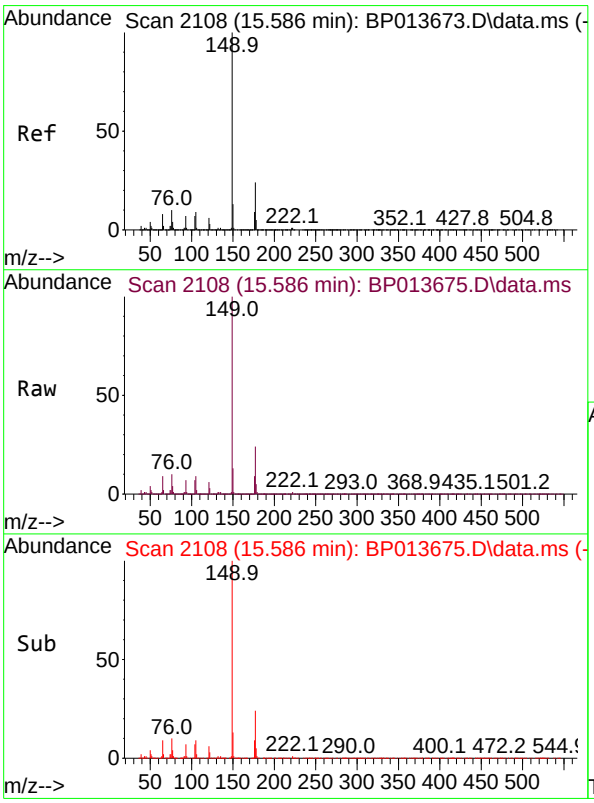
Ion	Ratio	Lower	Upper
232	100		
131	34.3	27.9	41.9
130	1.8	1.4	2.0
166	26.8	22.0	33.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

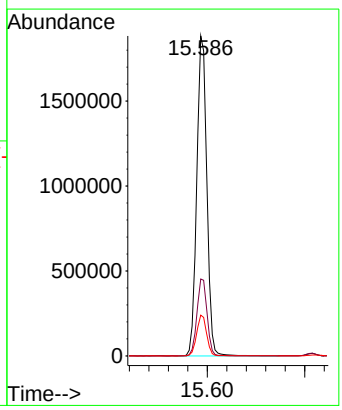
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

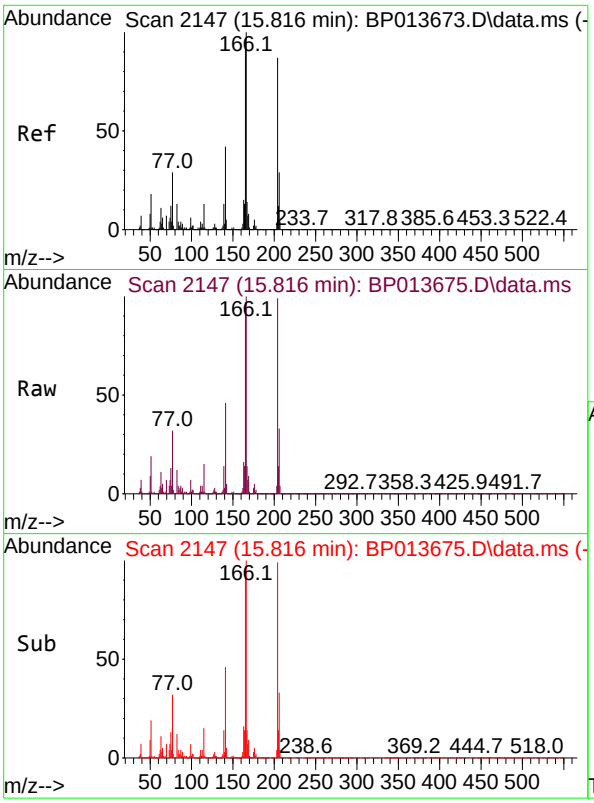


#60
Diethylphthalate
Concen: 59.582 ng
RT: 15.586 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:149 Resp: 2685481

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.2	28.8
150	12.7	10.1	15.1

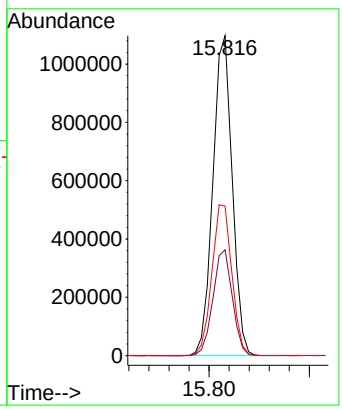




#61
4-Chlorophenyl-phenylether
Concen: 59.565 ng
RT: 15.816 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:204 Resp: 147125

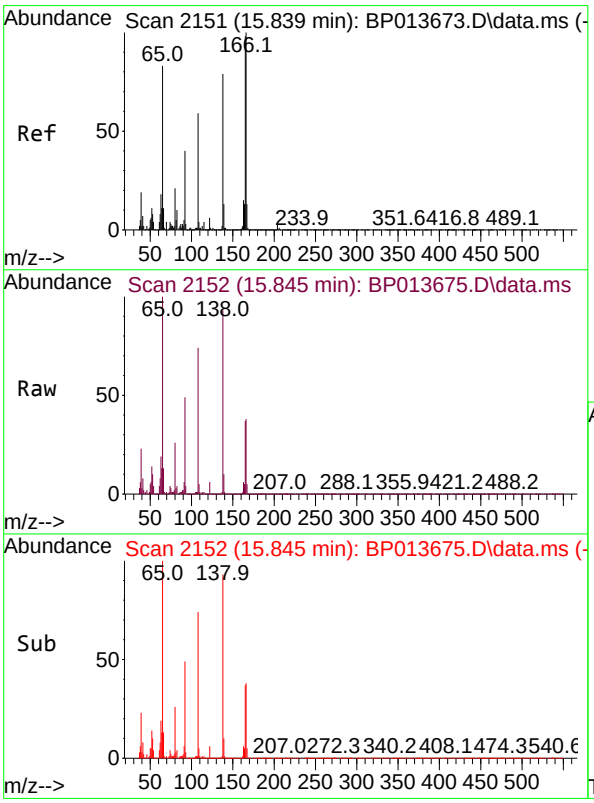
Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.6	40.0
141	46.7	38.1	57.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

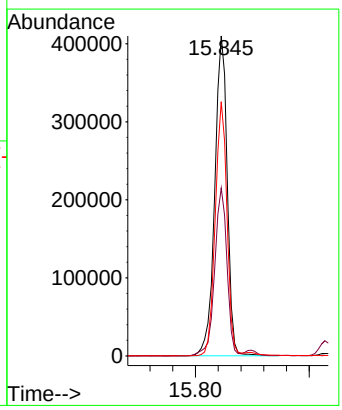
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

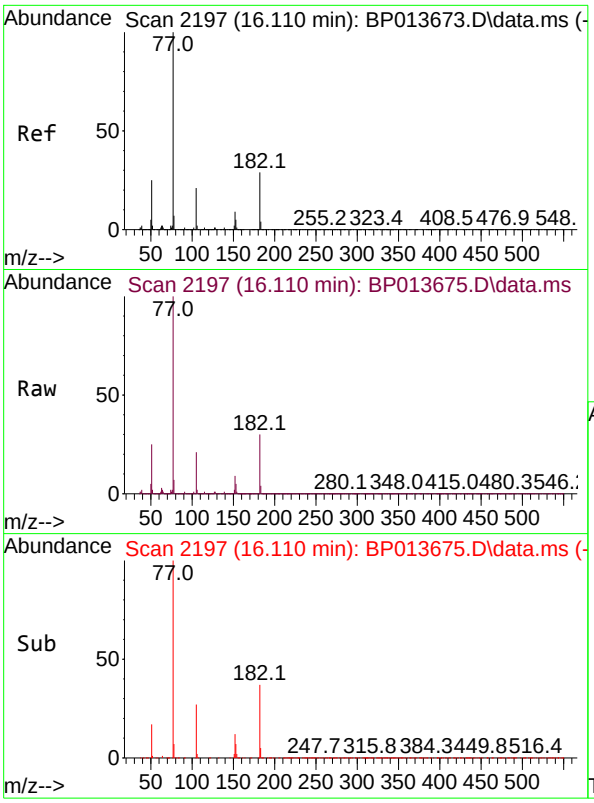


#62
4-Nitroaniline
Concen: 68.743 ng
RT: 15.845 min Scan# 2152
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:138 Resp: 625615

Ion	Ratio	Lower	Upper
138	100		
92	52.5	30.3	70.3
108	79.4	55.4	95.4

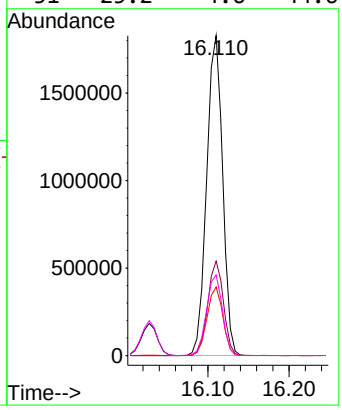




#63
Azobenzene
Concen: 60.110 ng
RT: 16.110 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion: 77 Resp: 250270

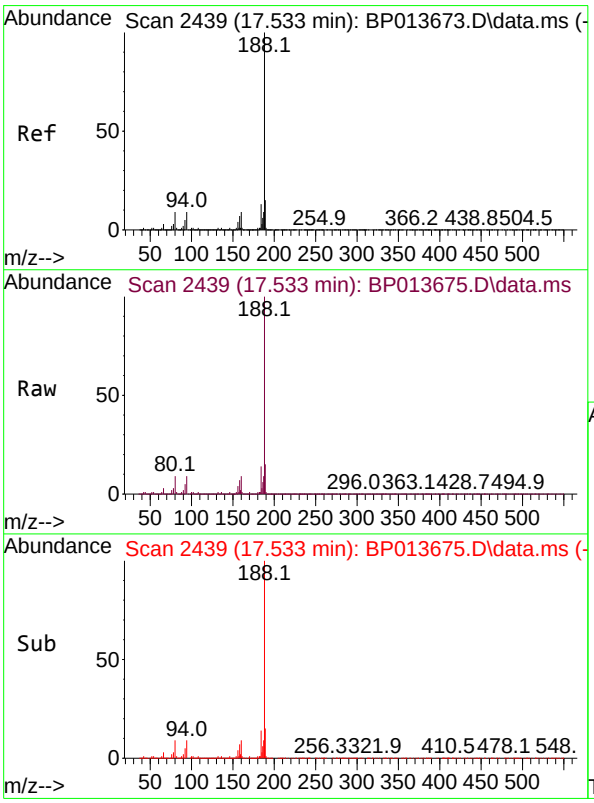
Ion	Ratio	Lower	Upper
77	100		
182	29.5	9.3	49.3
105	21.5	1.1	41.1
51	25.2	4.6	44.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

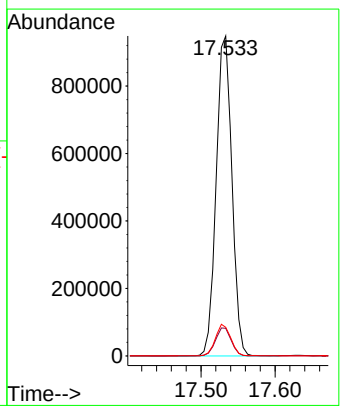
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

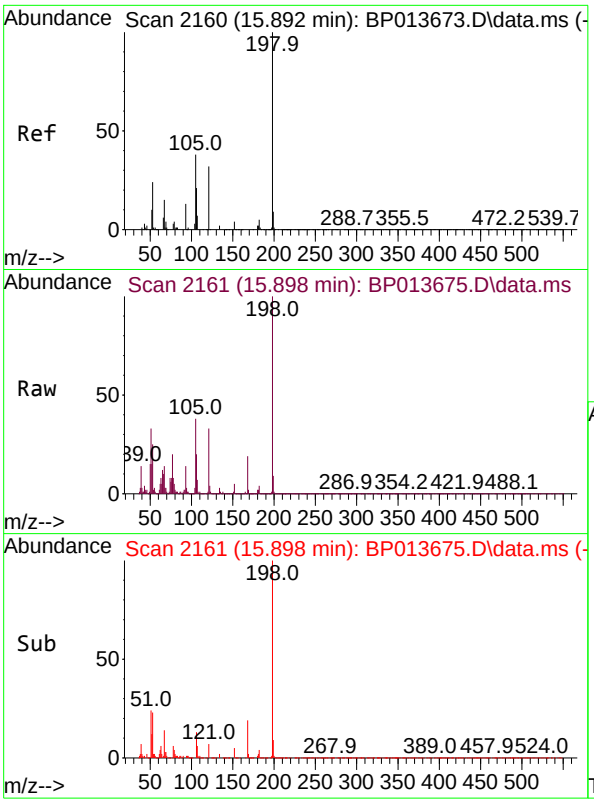


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.533 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:188 Resp: 1394011

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	8.9	7.4	11.0





#65
4,6-Dinitro-2-methylphenol
Concen: 68.421 ng
RT: 15.898 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

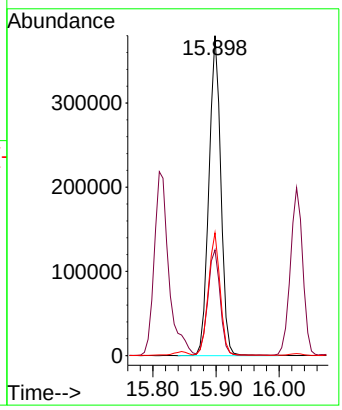
Tgt Ion:198 Resp: 49708

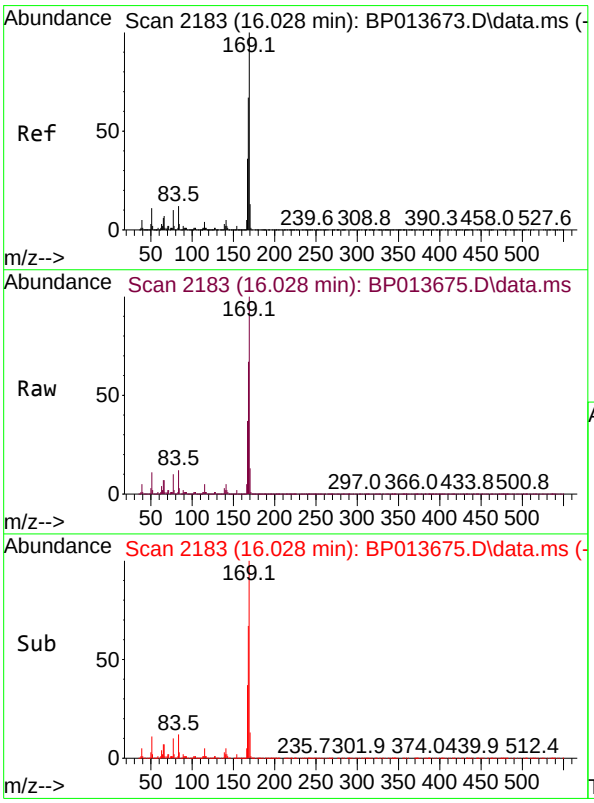
Ion	Ratio	Lower	Upper
198	100		
51	33.0	15.4	55.4
105	38.4	18.3	58.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

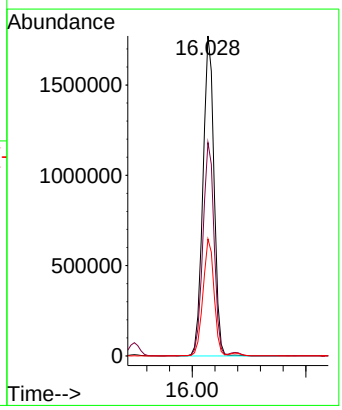


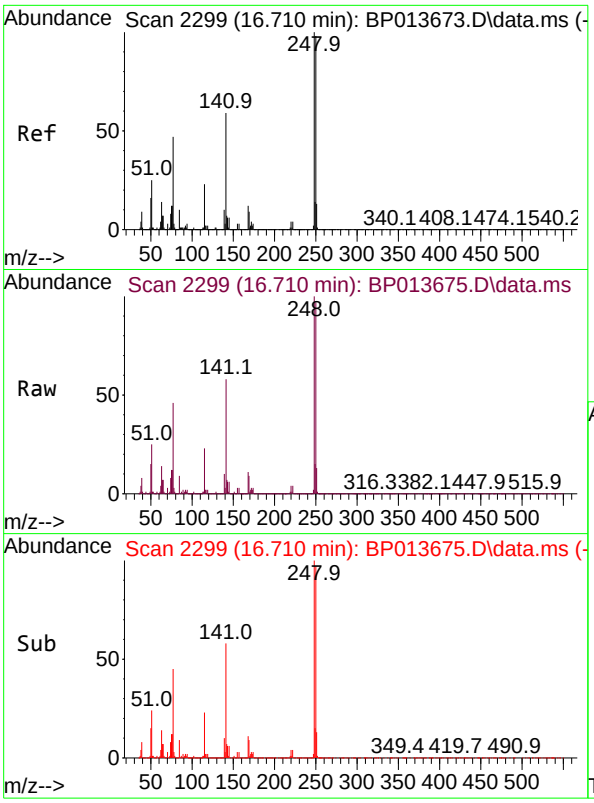


#66
n-Nitrosodiphenylamine
Concen: 59.244 ng
RT: 16.028 min Scan# 2183
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:169 Resp: 2402971

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.8	80.6
167	36.5	28.9	43.3

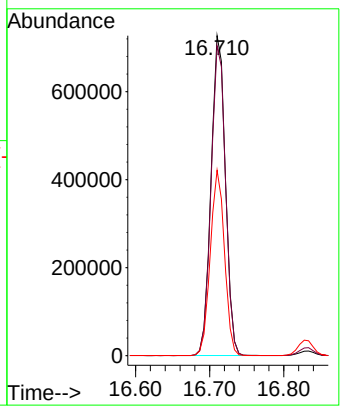




#67
4-Bromophenyl-phenylether
Concen: 61.297 ng
RT: 16.710 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:248 Resp: 97951

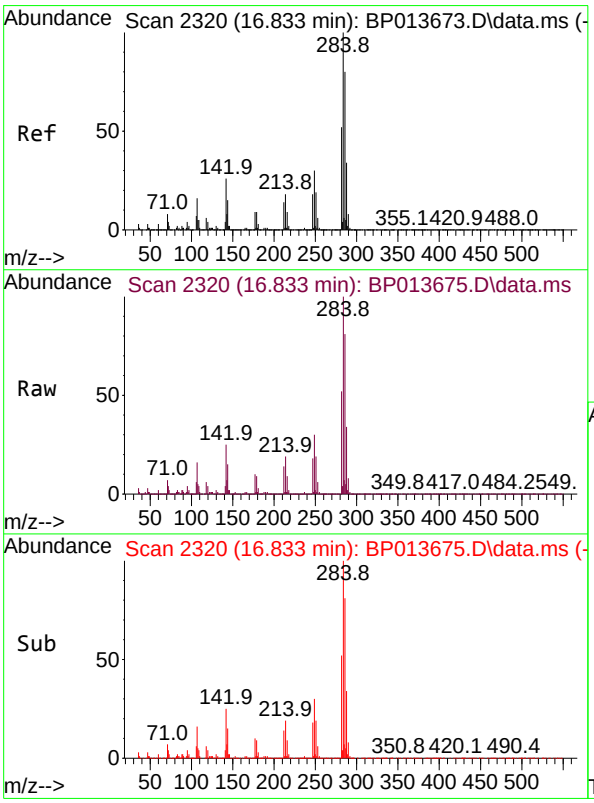
Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.2	117.2
141	57.9	46.8	70.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

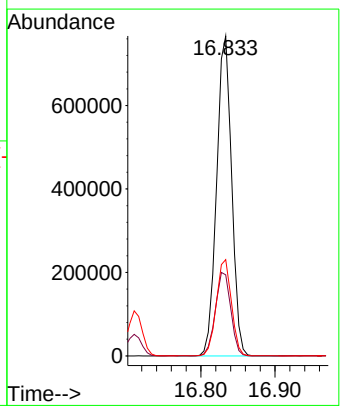
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

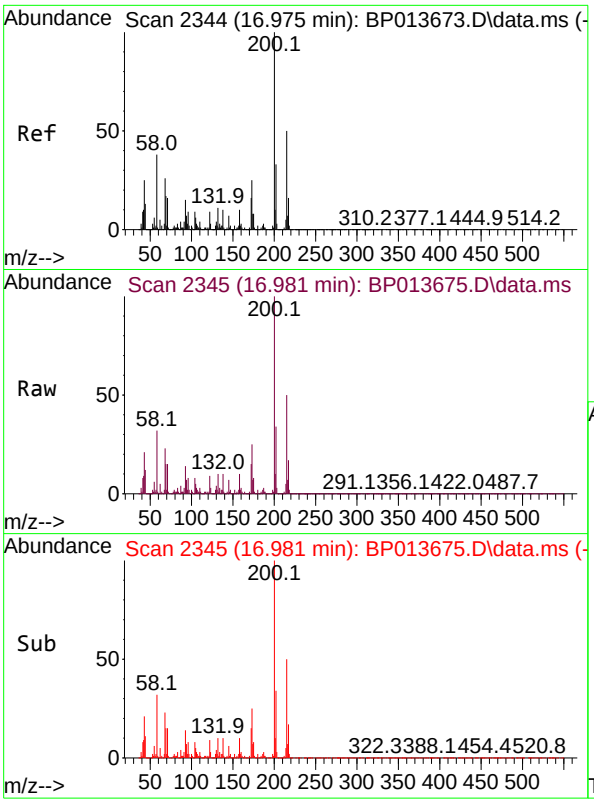


#68
Hexachlorobenzene
Concen: 60.838 ng
RT: 16.833 min Scan# 2320
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:284 Resp: 1076533

Ion	Ratio	Lower	Upper
284	100		
142	25.3	20.6	31.0
249	30.1	23.9	35.9

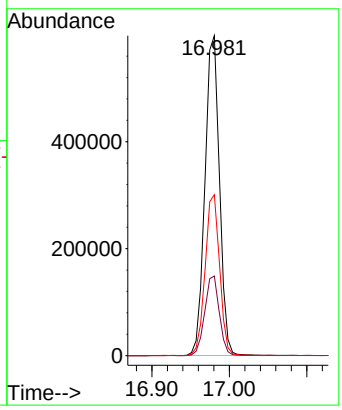




#69
Atrazine
Concen: 59.106 ng
RT: 16.981 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:200 Resp: 78010

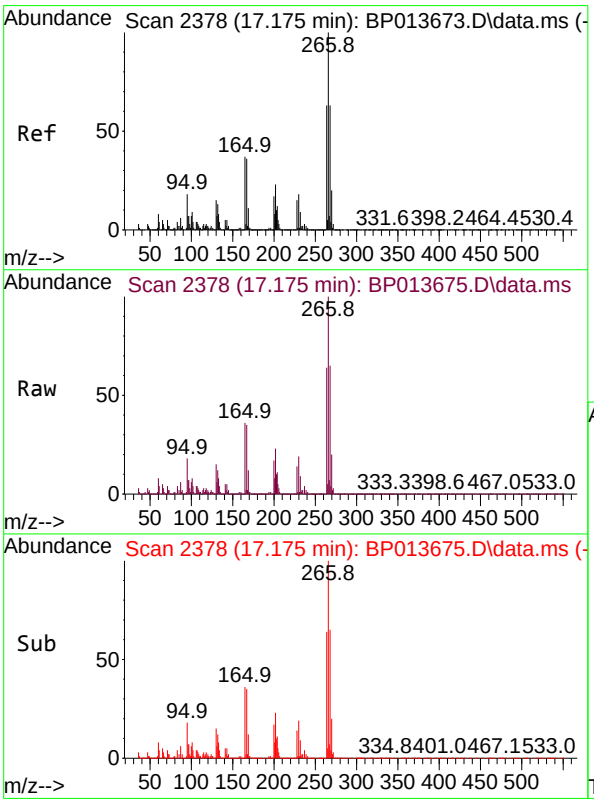
Ion	Ratio	Lower	Upper
200	100		
173	24.9	5.2	45.2
215	50.3	29.8	69.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

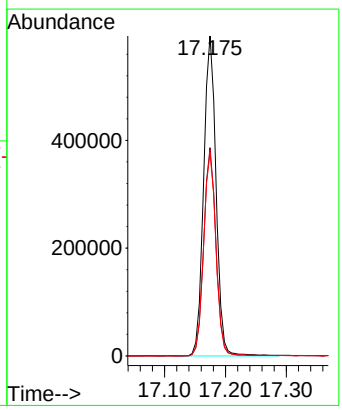
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

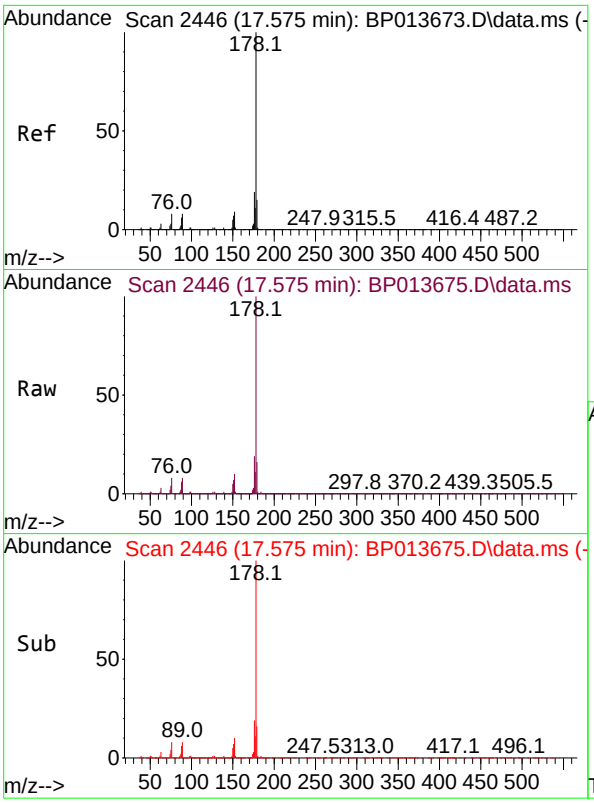


#70
Pentachlorophenol
Concen: 64.232 ng
RT: 17.175 min Scan# 2378
Delta R.T. -0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:266 Resp: 838398

Ion	Ratio	Lower	Upper
266	100		
268	65.1	50.7	76.1
264	63.5	50.5	75.7

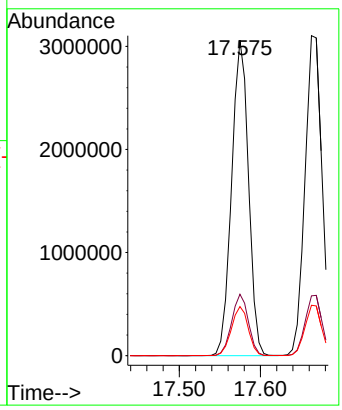




#71
Phenanthrene
Concen: 59.238 ng
RT: 17.575 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:178 Resp: 442621

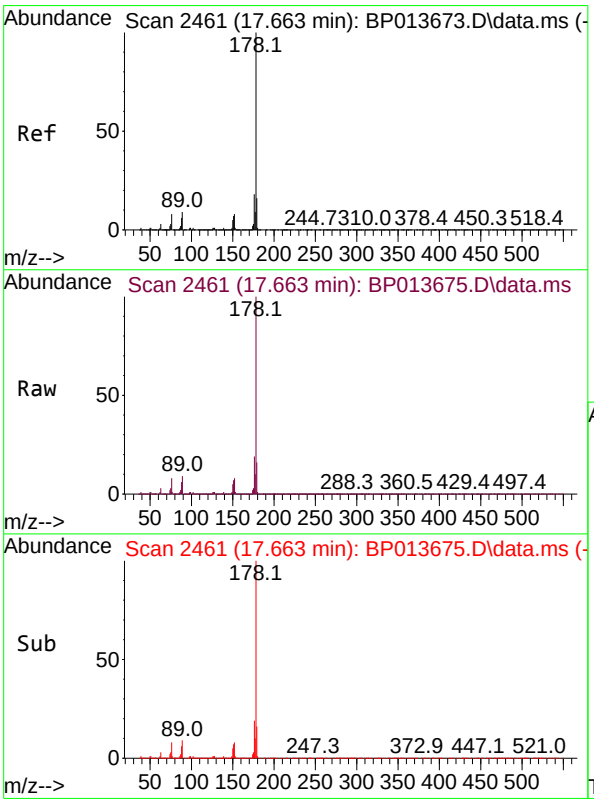
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.6	12.2	18.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

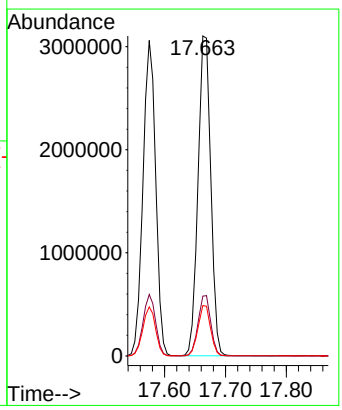
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

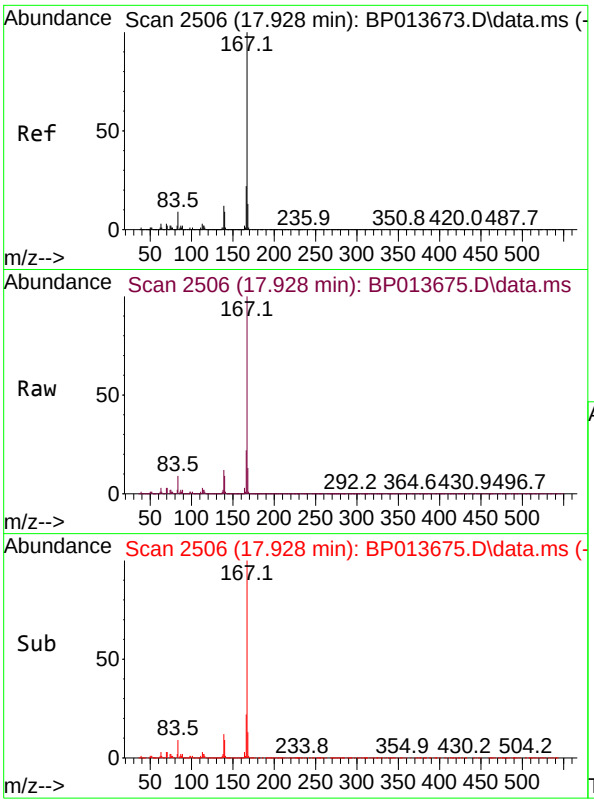


#72
Anthracene
Concen: 59.871 ng
RT: 17.663 min Scan# 2461
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:178 Resp: 4516302

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.8	12.4	18.6

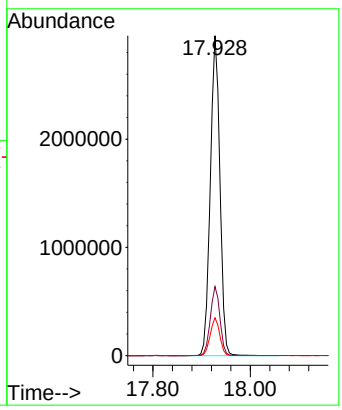




#73
Carbazole
Concen: 59.319 ng
RT: 17.928 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:167 Resp: 406312

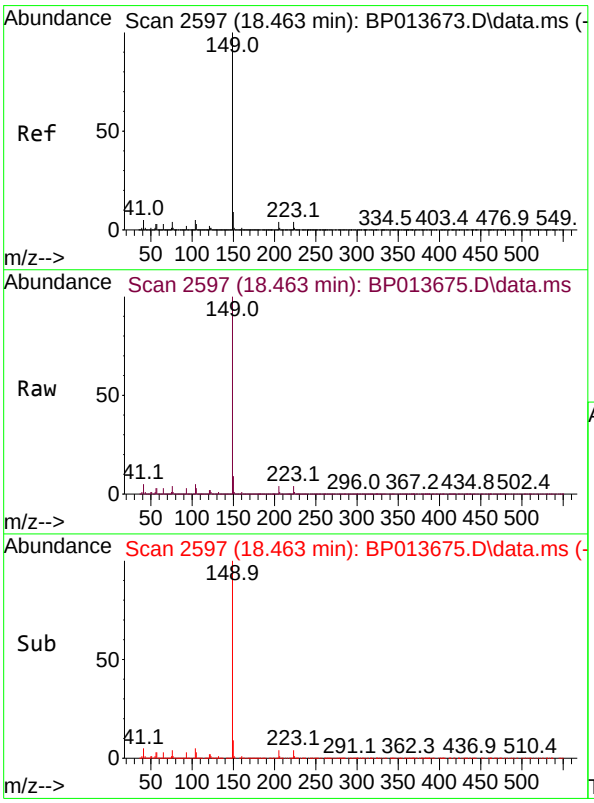
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.0
139	11.8	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

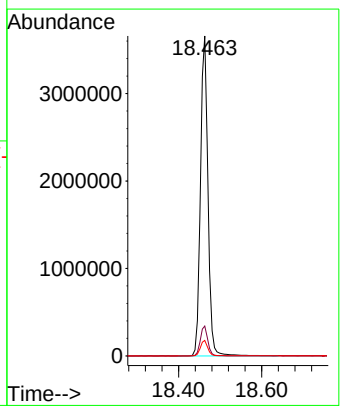
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

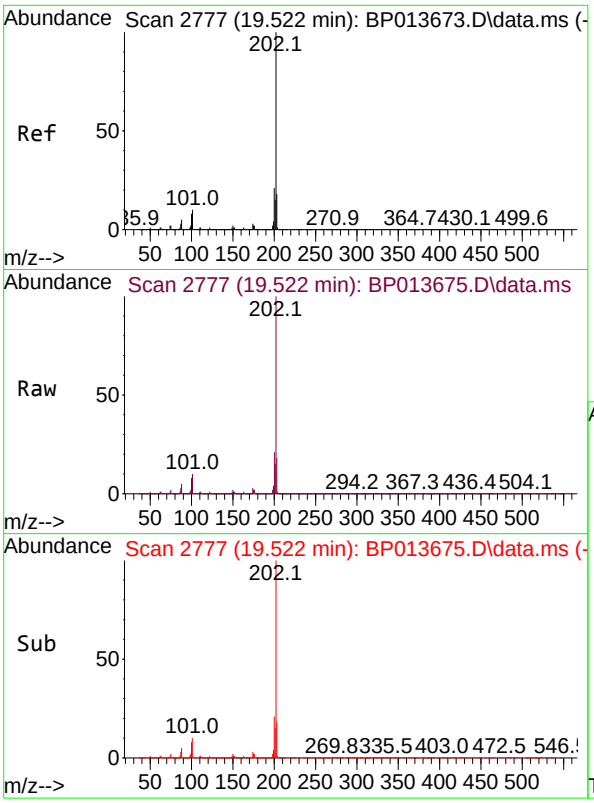


#74
Di-n-butylphthalate
Concen: 60.898 ng
RT: 18.463 min Scan# 2597
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:149 Resp: 4564684

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.8	3.8	5.6

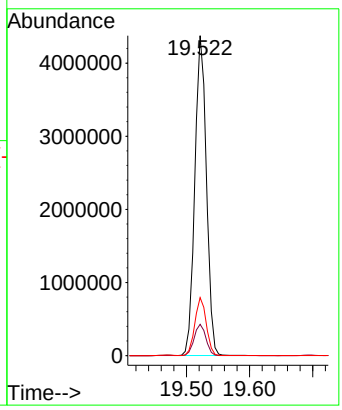




#75
Fluoranthene
Concen: 60.114 ng
RT: 19.522 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:202 Resp: 559191

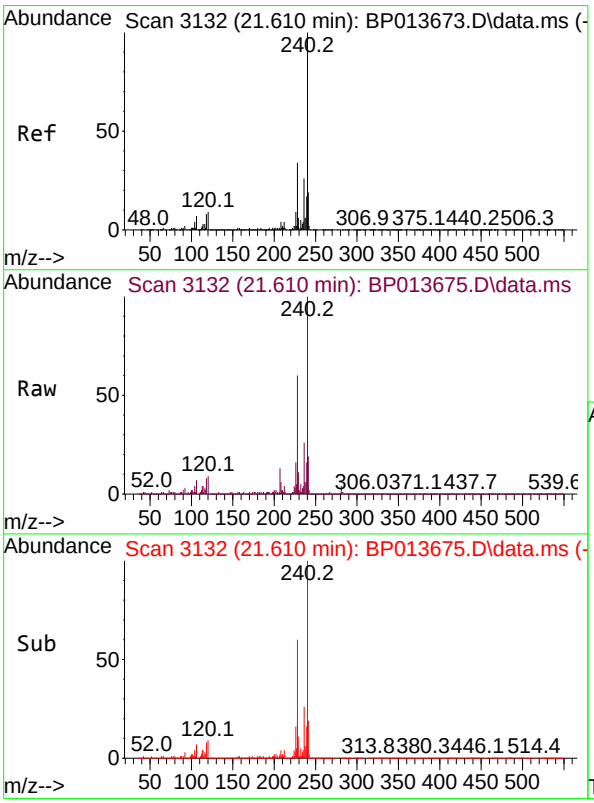
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.2
203	18.1	0.0	37.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

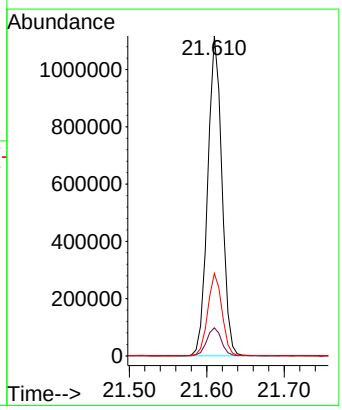
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

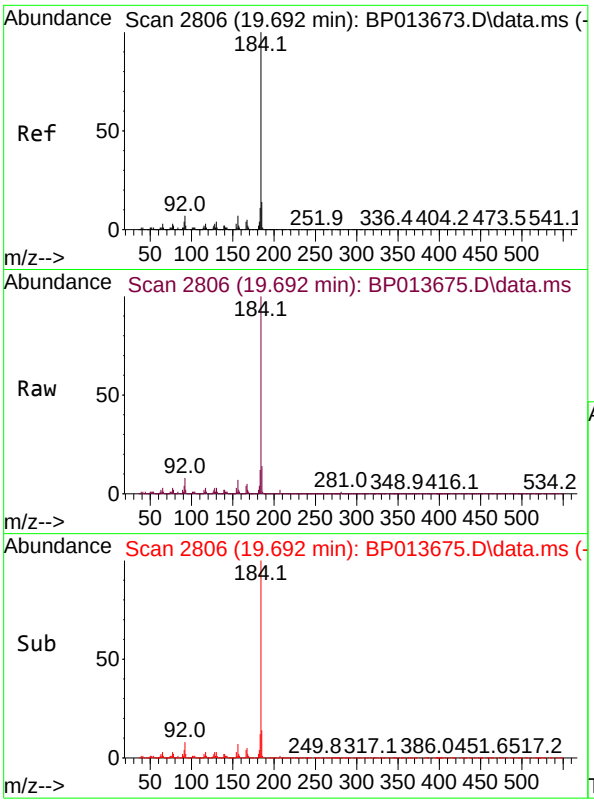


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3132
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:240 Resp: 1419624

Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.4	11.0
236	25.8	20.6	30.8





#77
Benzidine
Concen: 54.483 ng
RT: 19.692 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

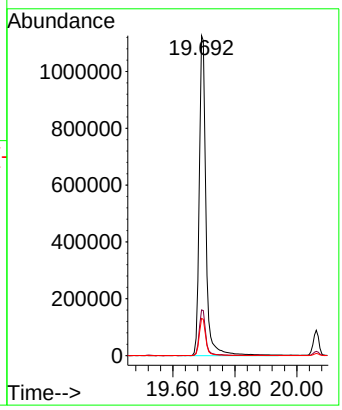
Tgt Ion:184 Resp: 167062

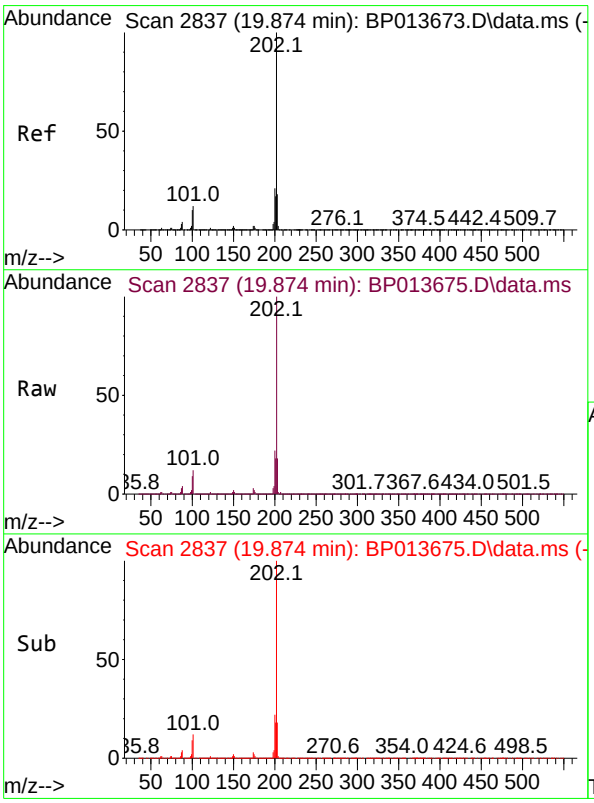
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.6	9.2	13.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

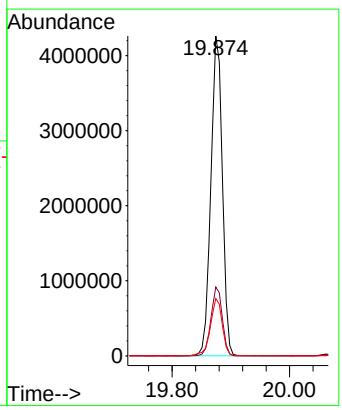


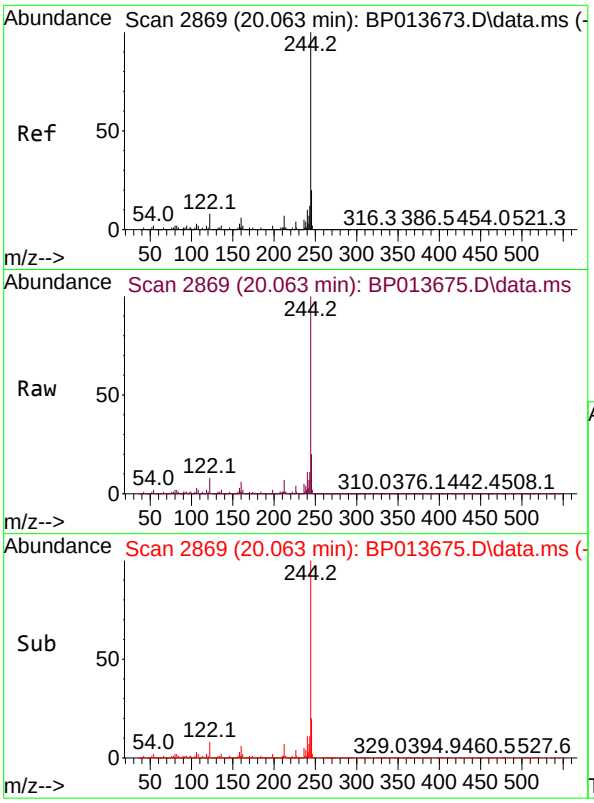


#78
Pyrene
Concen: 60.435 ng
RT: 19.874 min Scan# 2837
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:202 Resp: 5772082

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.9	25.3
203	17.9	14.0	21.0

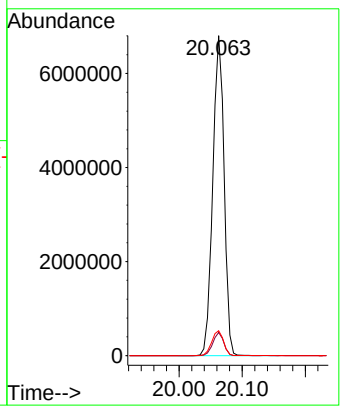




#79
Terphenyl-d14
Concen: 118.598 ng
RT: 20.063 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:244 Resp: 847862

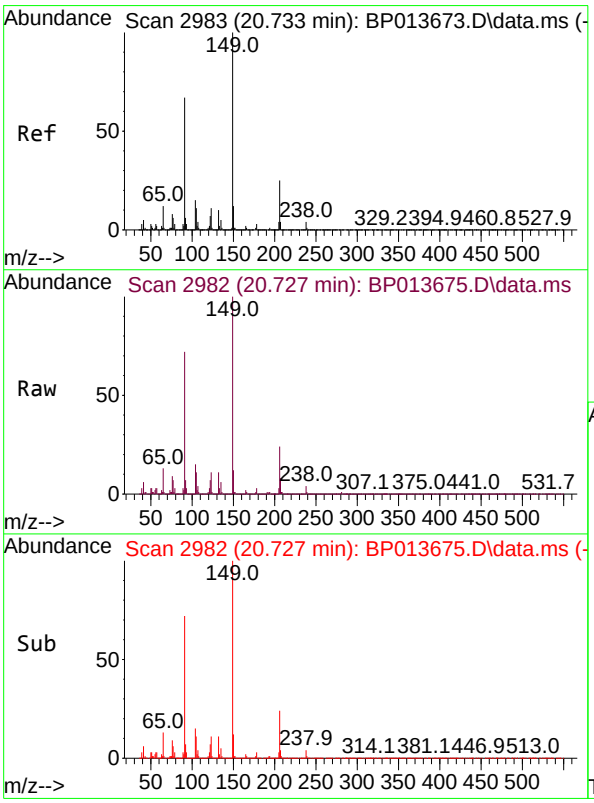
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.5	8.3
122	7.8	6.5	9.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

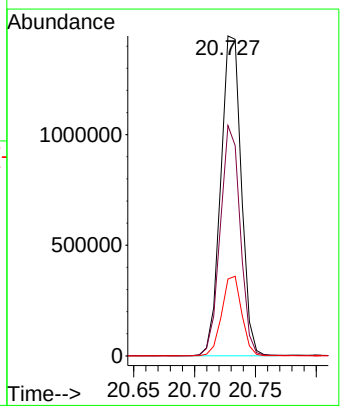
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

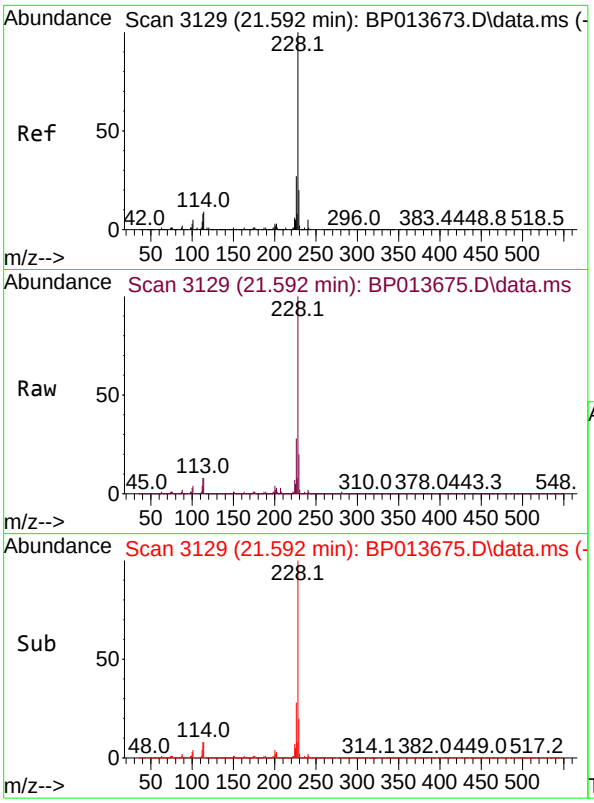


#80
Butylbenzylphthalate
Concen: 64.970 ng
RT: 20.727 min Scan# 2982
Delta R.T. -0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:149 Resp: 1694000

Ion	Ratio	Lower	Upper
149	100		
91	72.0	54.0	81.0
206	24.0	19.8	29.8

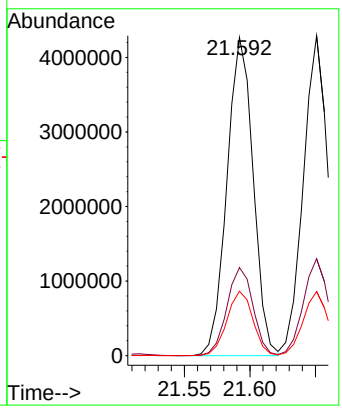




#81
Benzo(a)anthracene
Concen: 60.209 ng
RT: 21.592 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:228 Resp: 593690

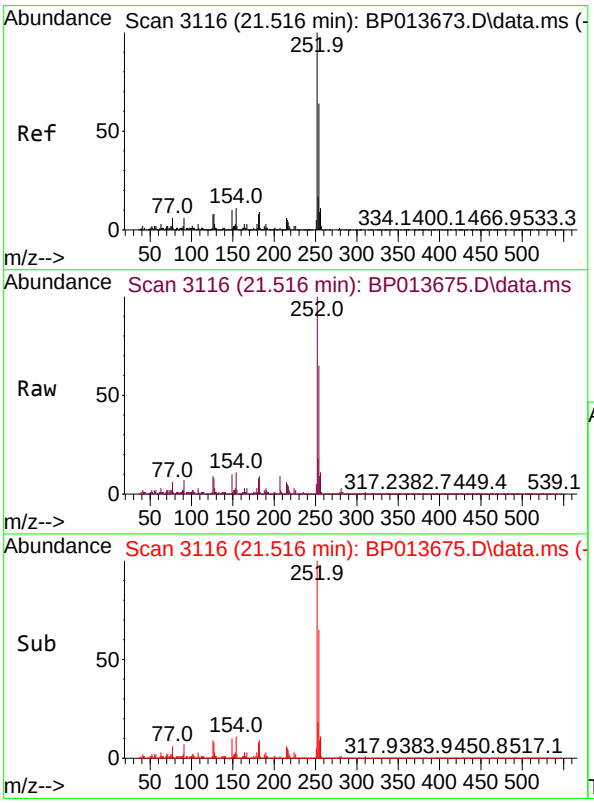
Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.9	32.9
229	20.2	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

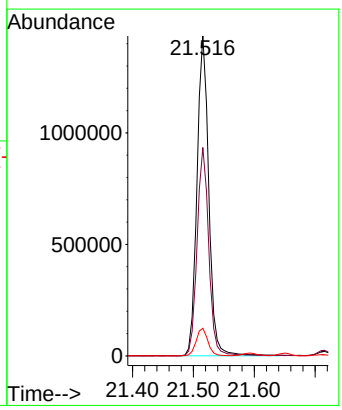
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

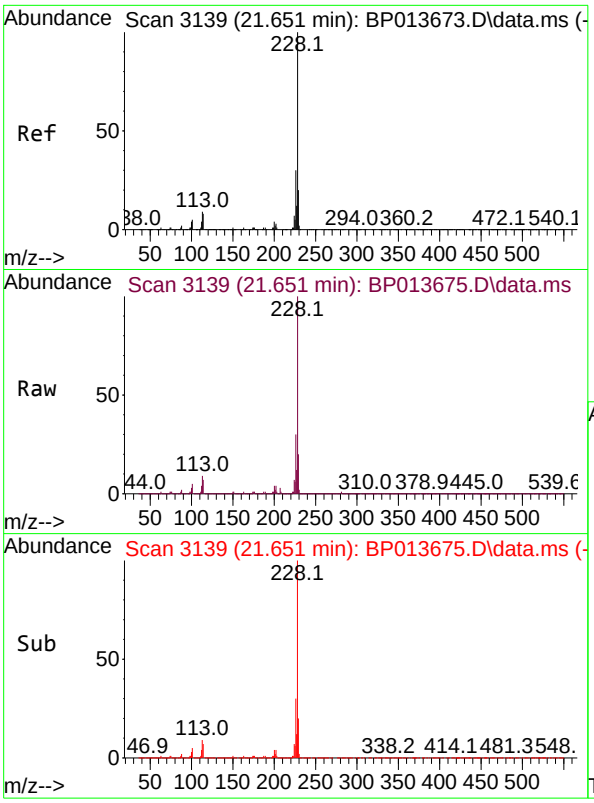


#82
3,3'-Dichlorobenzidine
Concen: 61.815 ng
RT: 21.516 min Scan# 3116
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:252 Resp: 1927065

Ion	Ratio	Lower	Upper
252	100		
254	65.1	50.9	76.3
126	8.6	6.7	10.1

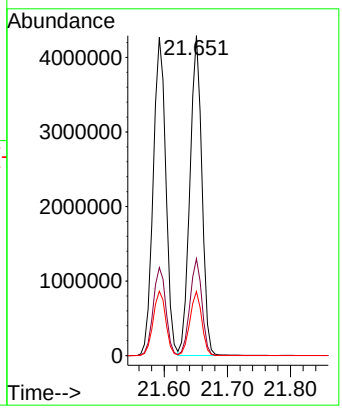




#83
Chrysene
Concen: 60.005 ng
RT: 21.651 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:228 Resp: 563719

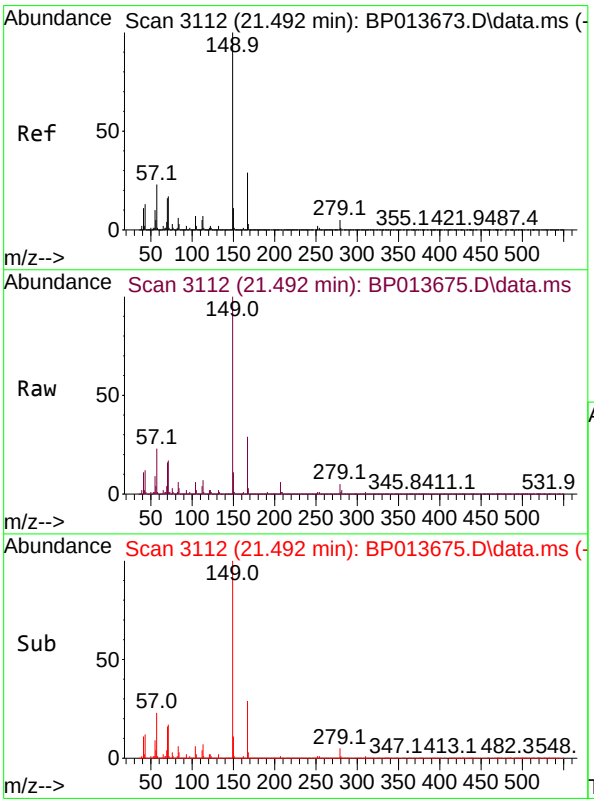
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	20.0	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

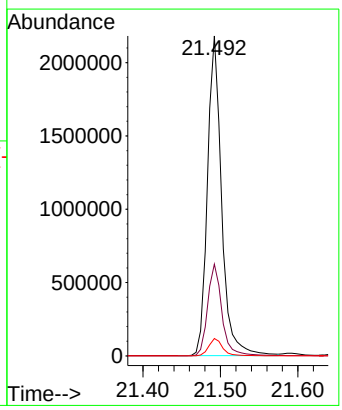
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

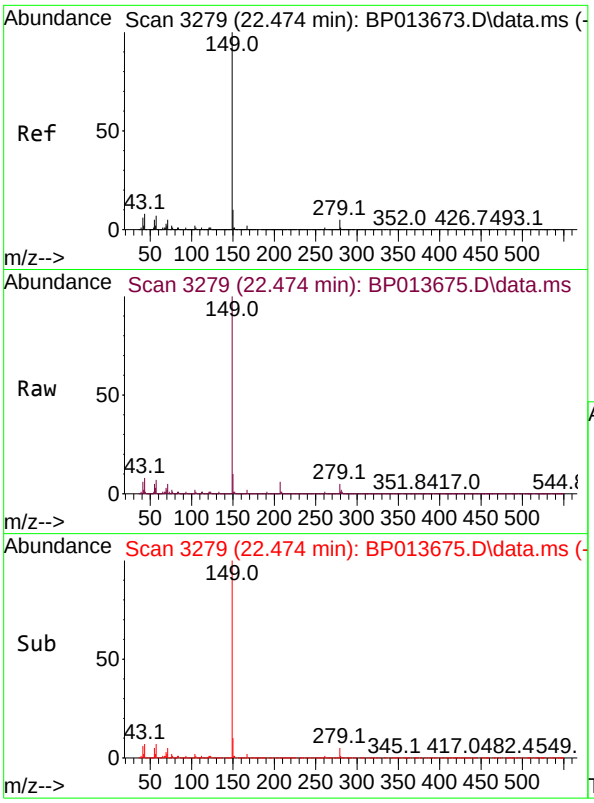


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.599 ng
RT: 21.492 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:149 Resp: 2779043

Ion	Ratio	Lower	Upper
149	100		
167	28.7	23.0	34.6
279	5.4	3.9	5.9

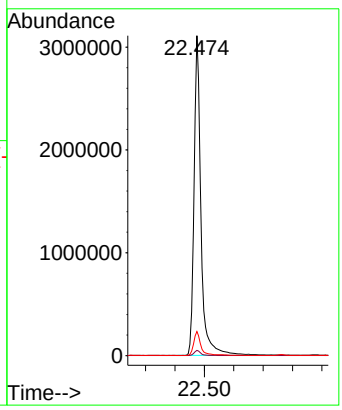




#85
Di-n-octyl phthalate
Concen: 62.955 ng
RT: 22.474 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:149 Resp: 5103628

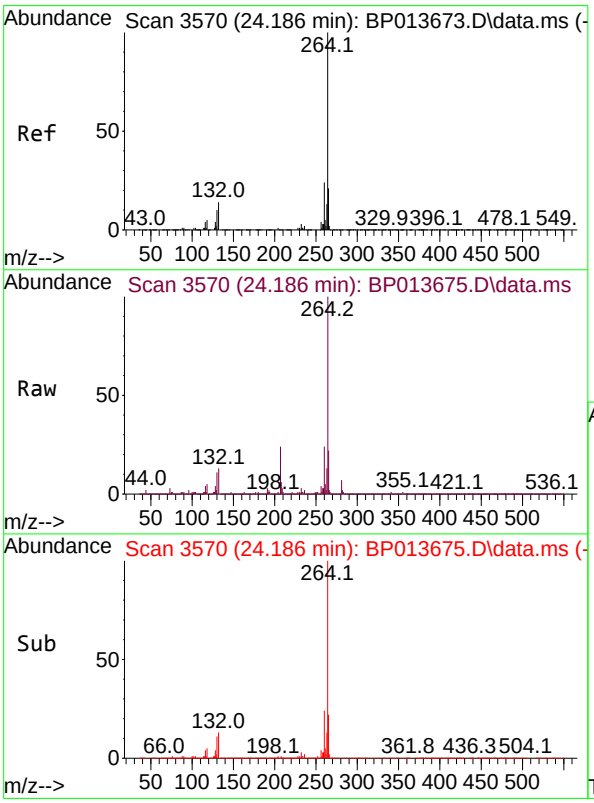
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.6	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

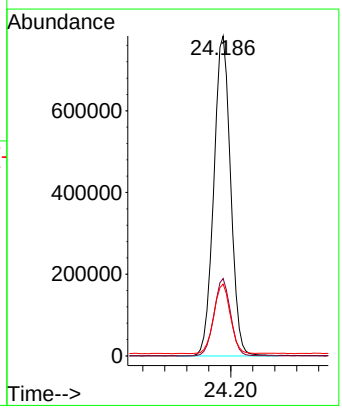
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

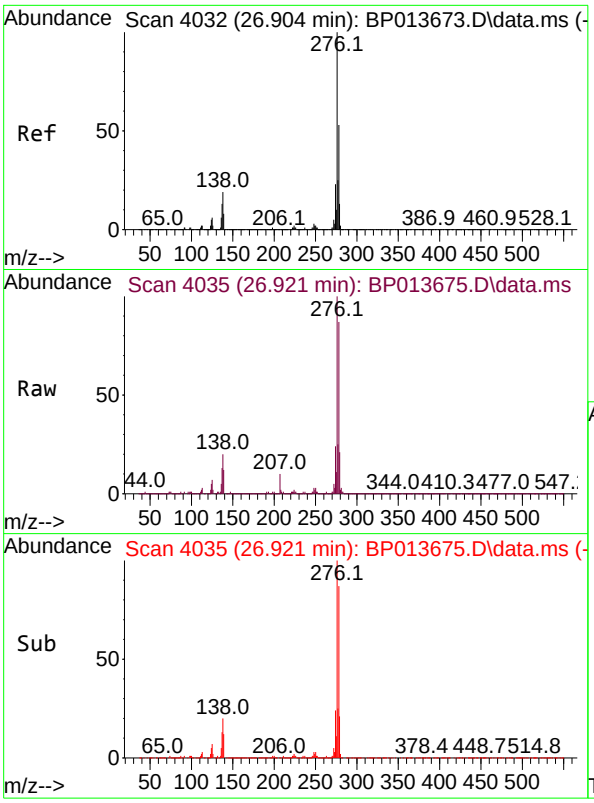


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.186 min Scan# 3570
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:264 Resp: 1662488

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	22.4	17.4	26.0

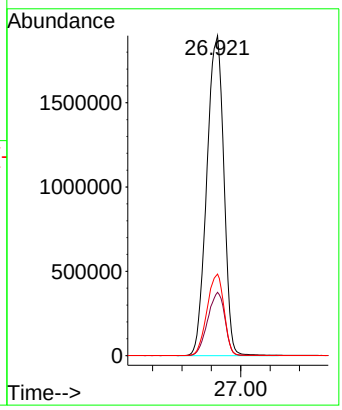




#87
Indeno(1,2,3-cd)pyrene
Concen: 60.388 ng
RT: 26.921 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:276 Resp: 763508

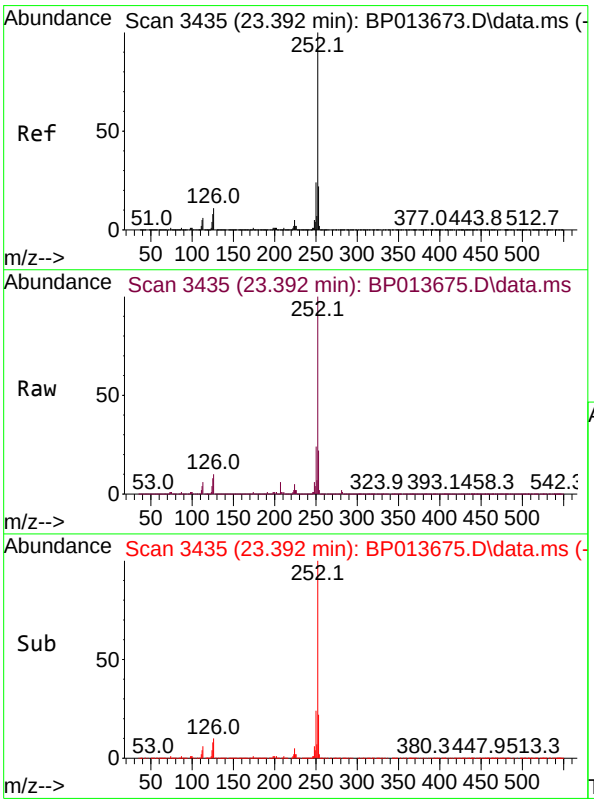
Ion	Ratio	Lower	Upper
276	100		
138	20.0	16.5	24.7
277	25.4	20.2	30.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

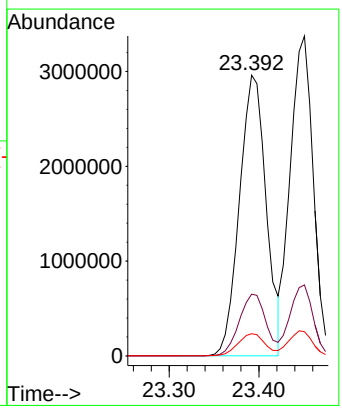
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

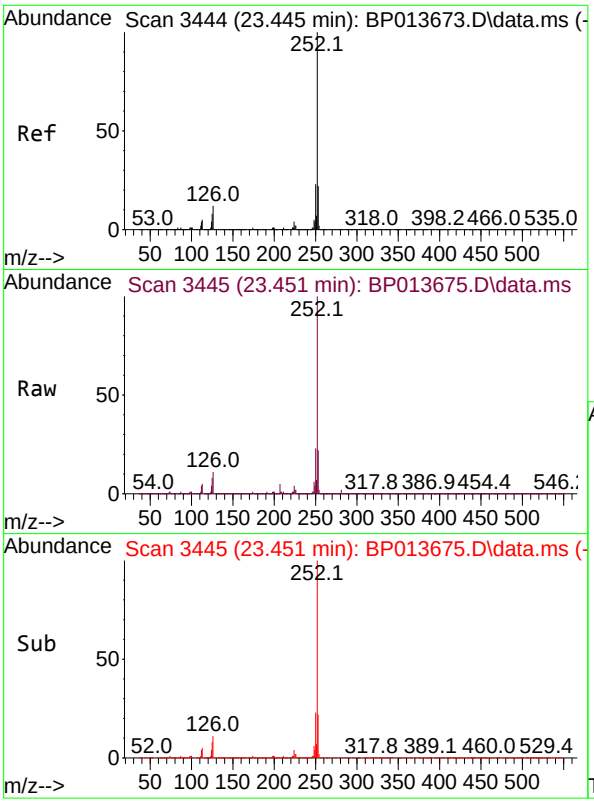


#88
Benzo(b)fluoranthene
Concen: 61.298 ng
RT: 23.392 min Scan# 3435
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:252 Resp: 6124811

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	7.9	6.8	10.2

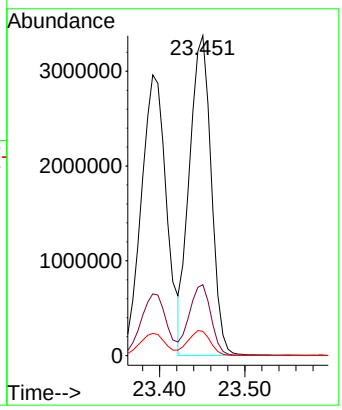




#89
Benzo(k)fluoranthene
Concen: 59.797 ng
RT: 23.451 min Scan# 34
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:252 Resp: 598457

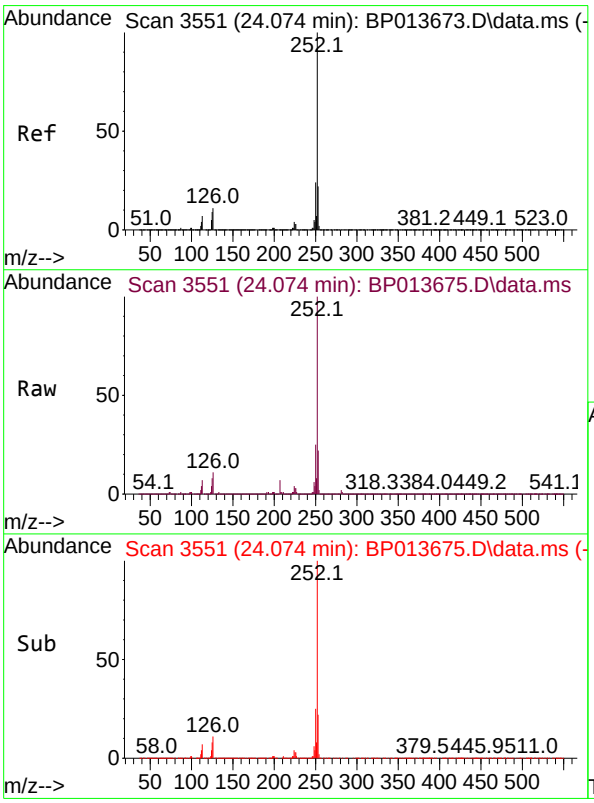
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	7.6	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

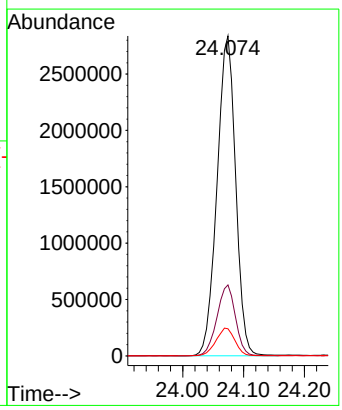
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

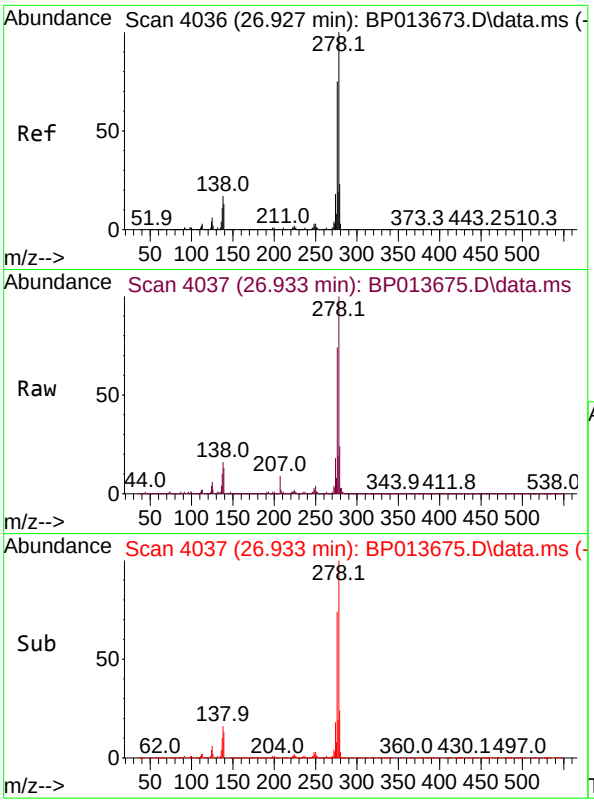


#90
Benzo(a)pyrene
Concen: 60.760 ng
RT: 24.074 min Scan# 3551
Delta R.T. 0.000 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:252 Resp: 6026342

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	8.5	7.0	10.4

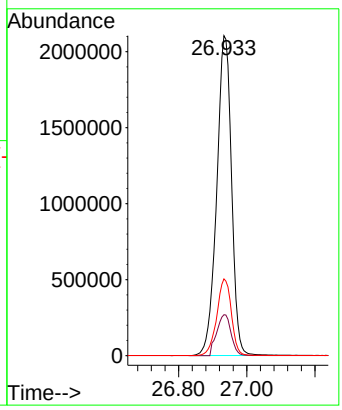




#91
Dibenzo(a,h)anthracene
Concen: 60.398 ng
RT: 26.933 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:278 Resp: 633859

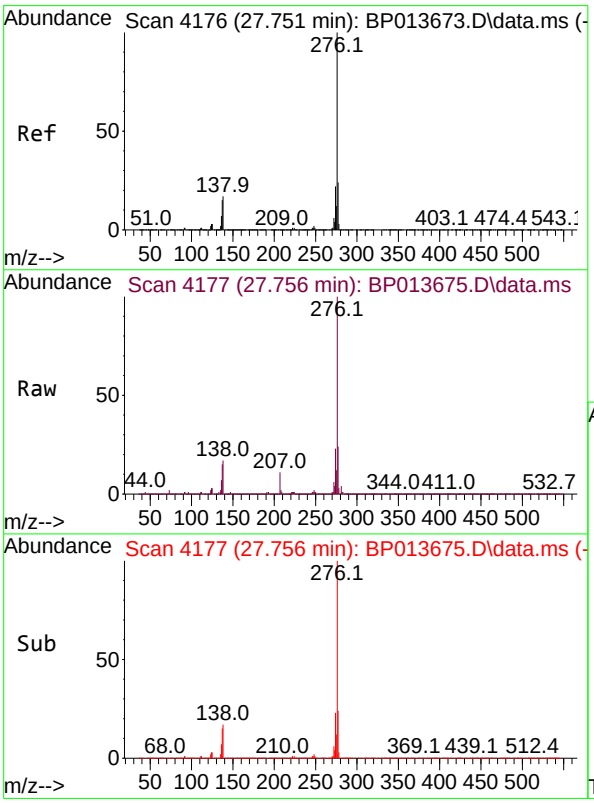
Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.6	16.0
279	24.0	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

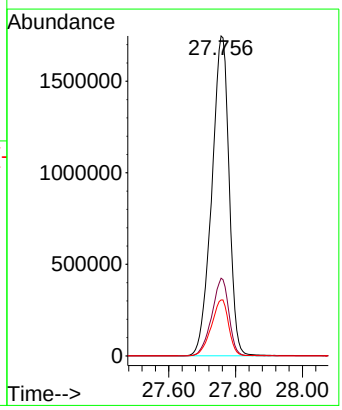
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#92
Benzo(g,h,i)perylene
Concen: 60.177 ng
RT: 27.756 min Scan# 4177
Delta R.T. 0.006 min
Lab File: BP013675.D
Acq: 31 Jan 2023 14:47

Tgt Ion:276 Resp: 6272495

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	17.5	14.0	21.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013676.D
Acq On : 31 Jan 2023 15:56
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

Quant Time: Feb 01 03:05:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.146	152	298528	20.000	ng		0.00
21) Naphthalene-d8	10.975	136	1082866	20.000	ng		0.00
39) Acenaphthene-d10	14.781	164	726943	20.000	ng		0.00
64) Phenanthrene-d10	17.533	188	1683272	20.000	ng		0.00
76) Chrysene-d12	21.616	240	1694902	20.000	ng		0.00
86) Perylene-d12	24.186	264	1996328	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.675	112	2532413	145.013	ng		0.00
7) Phenol-d6	7.299	99	3467185	149.027	ng		0.01
23) Nitrobenzene-d5	9.322	82	3089195	165.946	ng		0.00
42) 2,4,6-Tribromophenol	16.269	330	1808965	165.909	ng		0.00
45) 2-Fluorobiphenyl	13.410	172	7654440	147.338	ng		0.00
79) Terphenyl-d14	20.063	244	12030071	140.945	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.516	88	516640	69.928	ng		100
3) Pyridine	3.934	79	1573226m	75.212	ng		
4) n-Nitrosodimethylamine	3.840	42	578641	75.863	ng		99
6) Aniline	7.463	93	2312593	76.247	ng		99
8) 2-Chlorophenol	7.704	128	1362776	74.124	ng		99
10) Phenol	7.322	94	1824845	75.082	ng		97
11) bis(2-Chloroethyl)ether	7.557	93	1445268	74.440	ng		98
12) 1,3-Dichlorobenzene	8.028	146	1507834	72.807	ng		98
13) 1,4-Dichlorobenzene	8.181	146	1526926	72.868	ng		99
14) 1,2-Dichlorobenzene	8.504	146	1439059	71.768	ng		100
15) Benzyl Alcohol	8.387	79	1309917	79.512	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.675	45	1660395	72.947	ng		99
17) 2-Methylphenol	8.587	107	1283256	75.346	ng		100
18) Hexachloroethane	9.240	117	524123	75.854	ng		98
19) n-Nitroso-di-n-propyla...	8.963	70	1125296	77.091	ng		98
20) 3+4-Methylphenols	8.922	107	1786595	76.894	ng		97
22) Acetophenone	8.975	105	2130147	75.435	ng	#	99
24) Nitrobenzene	9.363	77	1621379	80.299	ng		100
25) Isophorone	9.898	82	3186675	77.233	ng		99
26) 2-Nitrophenol	10.075	139	763965	90.393	ng		97
27) 2,4-Dimethylphenol	10.134	122	1300585	75.165	ng		99
28) bis(2-Chloroethoxy)met...	10.369	93	1867152	75.502	ng		100
29) 2,4-Dichlorophenol	10.616	162	1420568	78.381	ng		99
30) 1,2,4-Trichlorobenzene	10.834	180	1528345	75.999	ng		99
31) Naphthalene	11.028	128	4283821	75.238	ng		99
32) Benzoic acid	10.310	122	1094188	88.393	ng		98
33) 4-Chloroaniline	11.134	127	1935287	77.356	ng		99
34) Hexachlorobutadiene	11.304	225	989291	77.498	ng		99
35) Caprolactam	11.945	113	491554	82.907	ng		98
36) 4-Chloro-3-methylphenol	12.240	107	1537612	80.653	ng		99
37) 2-Methylnaphthalene	12.616	142	3288778	76.820	ng		99
38) 1-Methylnaphthalene	12.834	142	3075842	76.484	ng		99
40) 1,2,4,5-Tetrachloroben...	12.981	216	1981227	79.830	ng		100
41) Hexachlorocyclopentadiene	12.963	237	1037220	91.566	ng		99
43) 2,4,6-Trichlorophenol	13.216	196	1342762	82.165	ng		100
44) 2,4,5-Trichlorophenol	13.287	196	1579009	82.524	ng		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013676.D
Acq On : 31 Jan 2023 15:56
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

Quant Time: Feb 01 03:05:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.616	154	4156782	75.563	ng	98
47) 2-Chloronaphthalene	13.663	162	3243548	76.280	ng	99
48) 2-Nitroaniline	13.863	65	898371	98.874	ng	98
49) Acenaphthylene	14.504	152	5277528	76.963	ng	99
50) Dimethylphthalate	14.234	163	4351297	77.388	ng	100
51) 2,6-Dinitrotoluene	14.351	165	943951	93.932	ng	99
52) Acenaphthene	14.845	154	3433737m	80.281	ng	
53) 3-Nitroaniline	14.686	138	989602	90.296	ng	98
54) 2,4-Dinitrophenol	14.886	184	611345	99.955	ng	100
55) Dibenzofuran	15.181	168	5202038	75.293	ng	99
56) 4-Nitrophenol	14.981	139	832374	85.383	ng	96
57) 2,4-Dinitrotoluene	15.139	165	1282272	97.231	ng	99
58) Fluorene	15.828	166	4025550	74.212	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.398	232	1353061	81.322	ng	98
60) Diethylphthalate	15.592	149	4143690	76.873	ng	99
61) 4-Chlorophenyl-phenyle...	15.816	204	2255594	76.359	ng	100
62) 4-Nitroaniline	15.851	138	999962	91.876	ng	95
63) Azobenzene	16.110	77	3812417	76.566	ng	99
65) 4,6-Dinitro-2-methylph...	15.904	198	832391	94.885	ng	95
66) n-Nitrosodiphenylamine	16.033	169	3655262	74.632	ng	100
67) 4-Bromophenyl-phenylether	16.716	248	1536530	79.631	ng	97
68) Hexachlorobenzene	16.833	284	1686140	78.914	ng	99
69) Atrazine	16.980	200	1196714	75.090	ng	99
70) Pentachlorophenol	17.175	266	1333345	84.597	ng	99
71) Phenanthrene	17.580	178	6722307	74.507	ng	99
72) Anthracene	17.669	178	6847662	75.178	ng	99
73) Carbazole	17.933	167	6173023	74.635	ng	100
74) Di-n-butylphthalate	18.463	149	6998638	77.325	ng	99
75) Fluoranthene	19.527	202	8497632	75.653	ng	99
77) Benzidine	19.698	184	2810789	76.778	ng	99
78) Pyrene	19.880	202	8707429	76.361	ng	98
80) Butylbenzylphthalate	20.733	149	2731280	87.739	ng	99
81) Benzo(a)anthracene	21.598	228	8991728	76.379	ng	99
82) 3,3'-Dichlorobenzidine	21.521	252	3003674	80.701	ng	98
83) Chrysene	21.657	228	8452800	75.362	ng	98
84) Bis(2-ethylhexyl)phtha...	21.492	149	4389795	82.821	ng	99
85) Di-n-octyl phthalate	22.474	149	7998084	82.636	ng	99
87) Indeno(1,2,3-cd)pyrene	26.933	276	11789503	77.653	ng	98
88) Benzo(b)fluoranthene	23.398	252	9303797	77.542	ng	99
89) Benzo(k)fluoranthene	23.451	252	9376557	78.022	ng	99
90) Benzo(a)pyrene	24.080	252	9323981	78.287	ng	99
91) Dibenzo(a,h)anthracene	26.945	278	9706093	77.019	ng	98
92) Benzo(g,h,i)perylene	27.774	276	9749115	77.890	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

ICAL Form

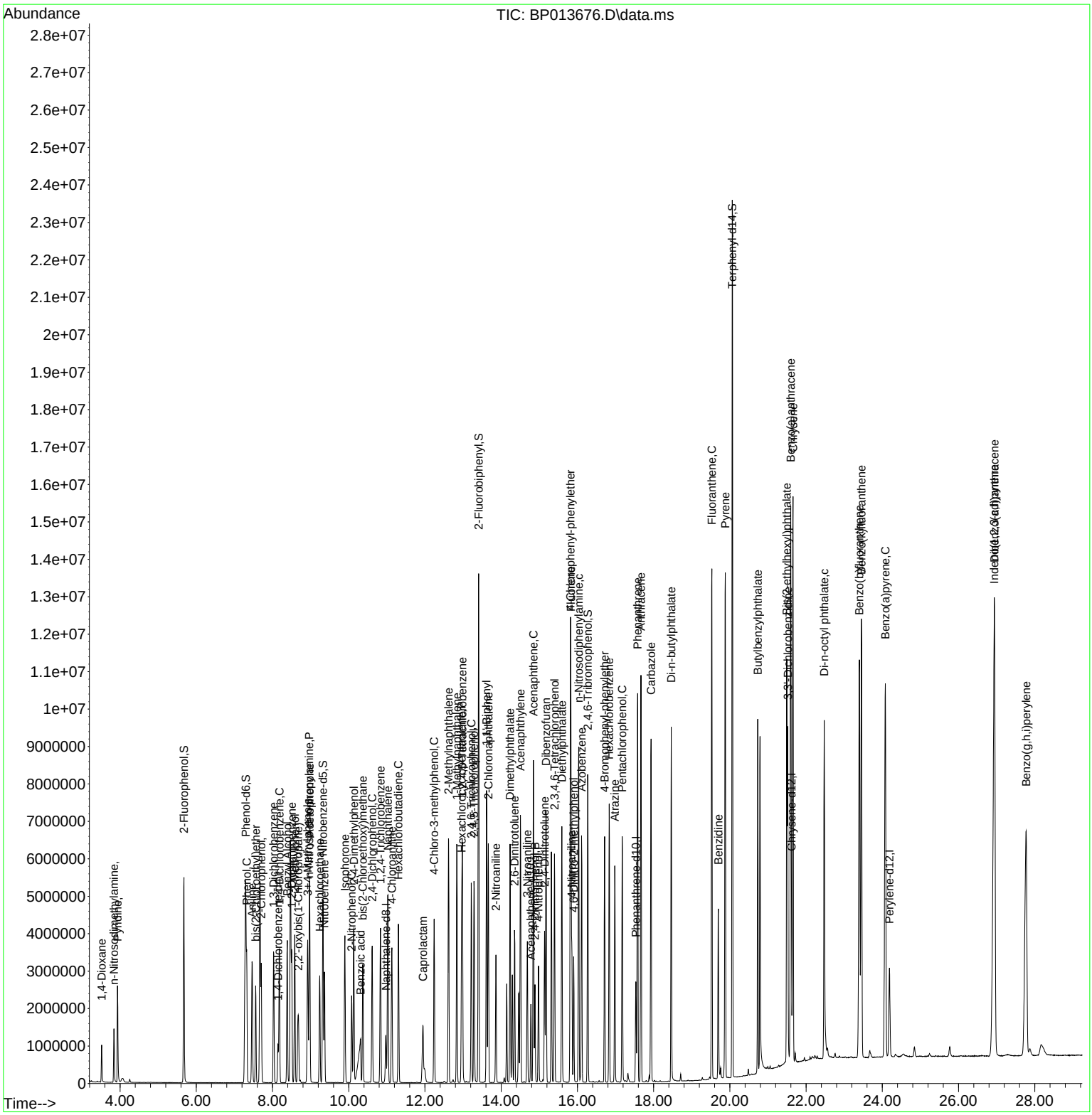
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013676.D
Acq On : 31 Jan 2023 15:56
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

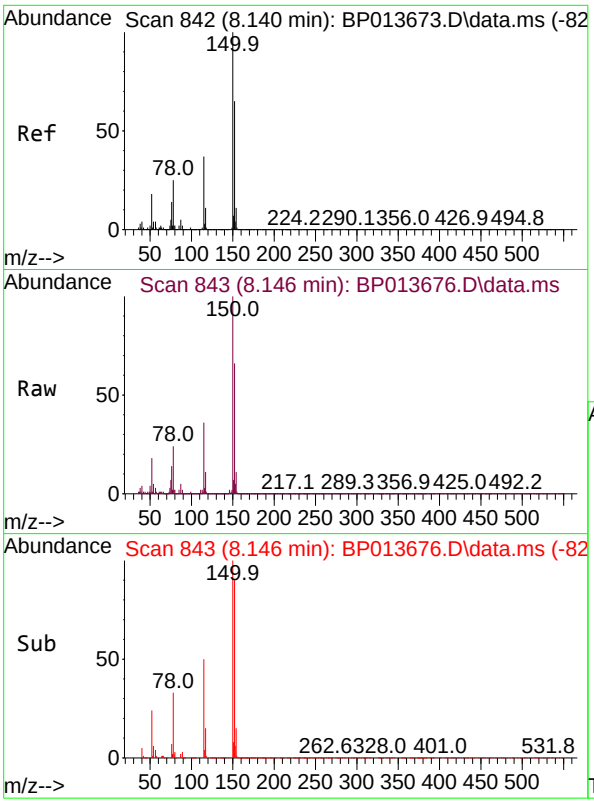
Quant Time: Feb 01 03:05:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 02:57:10 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

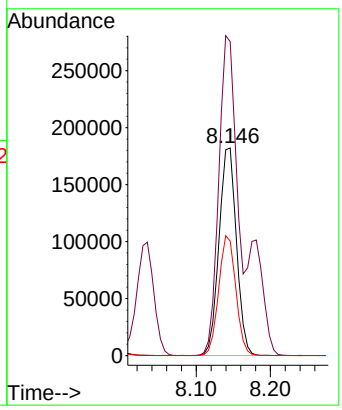




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.146 min Scan# 84
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:152 Resp: 29852

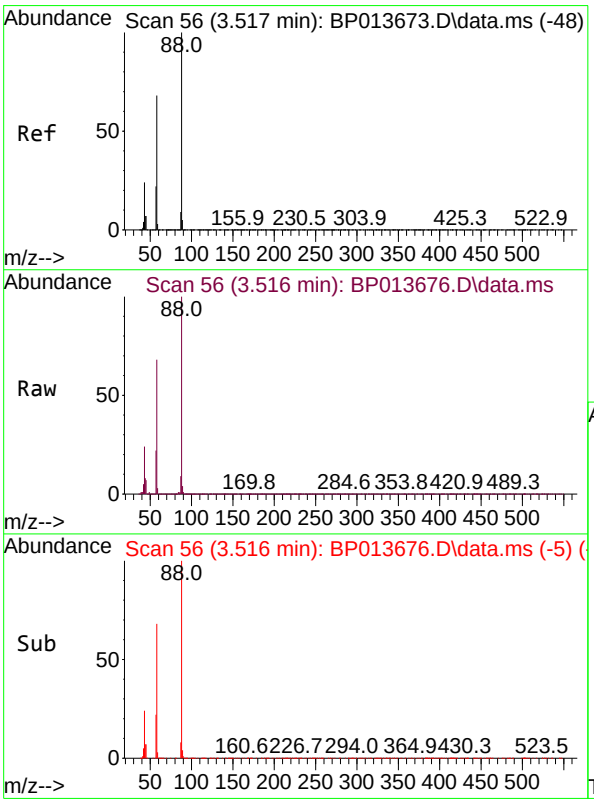
Ion	Ratio	Lower	Upper
152	100		
150	151.2	123.6	185.4
115	55.1	45.4	68.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

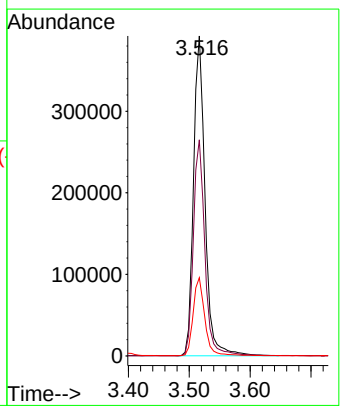
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

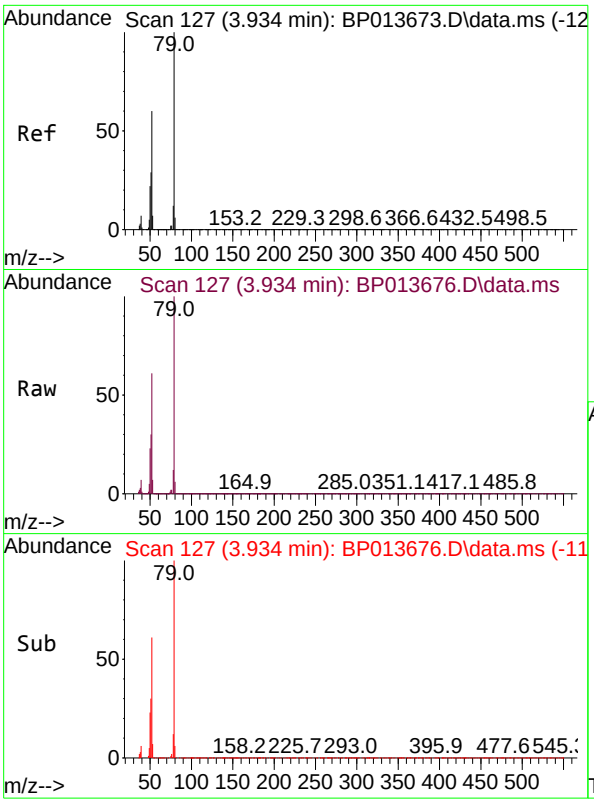


#2
1,4-Dioxane
Concen: 69.928 ng
RT: 3.516 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion: 88 Resp: 516640

Ion	Ratio	Lower	Upper
88	100		
58	67.7	53.8	80.8
43	24.5	19.8	29.6

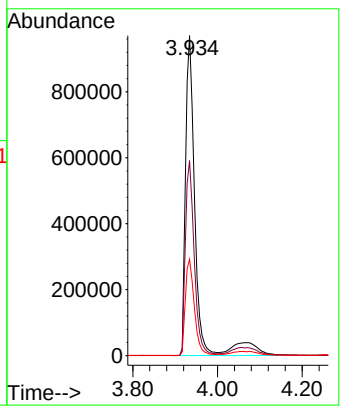




#3
Pyridine
Concen: 75.212 ng m
RT: 3.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion: 79 Resp: 157322

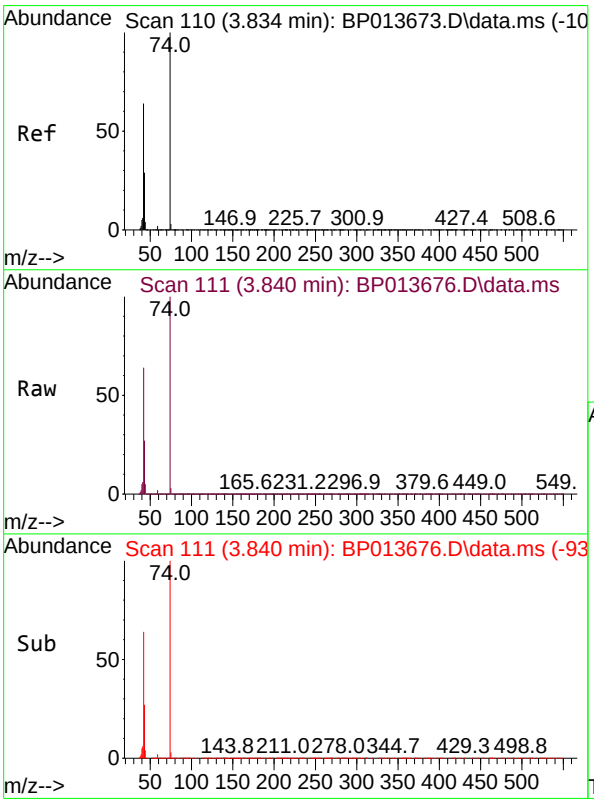
Ion	Ratio	Lower	Upper
79	100		
52	60.9	48.2	72.2
51	30.1	23.6	35.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

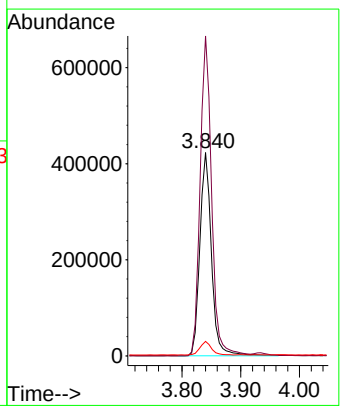
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

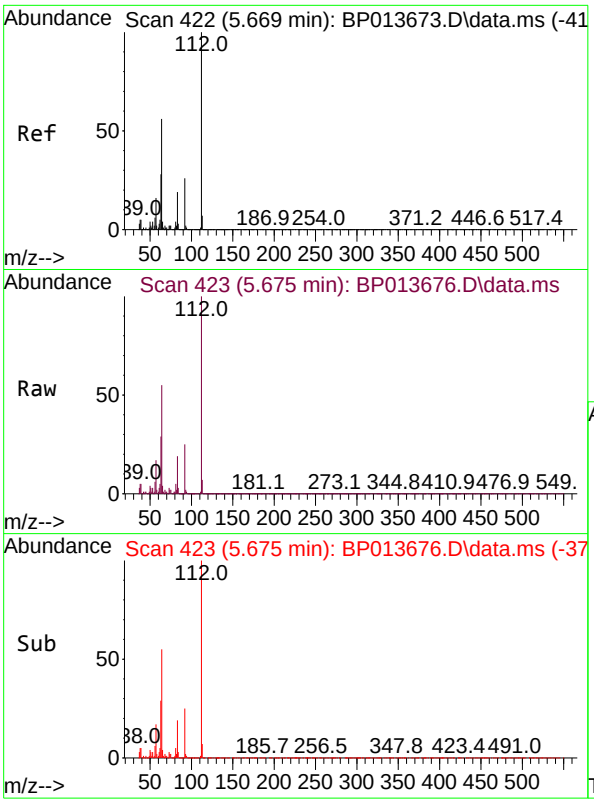


#4
n-Nitrosodimethylamine
Concen: 75.863 ng
RT: 3.840 min Scan# 111
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion: 42 Resp: 578641

Ion	Ratio	Lower	Upper
42	100		
74	157.4	124.6	187.0
44	7.2	6.3	9.5

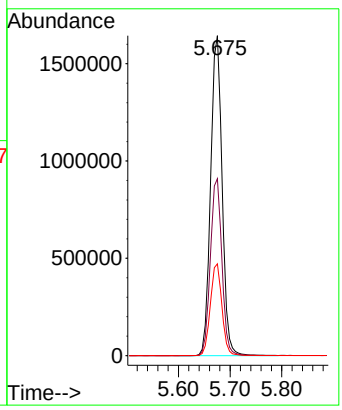




#5
2-Fluorophenol
Concen: 145.013 ng
RT: 5.675 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:112 Resp: 253241

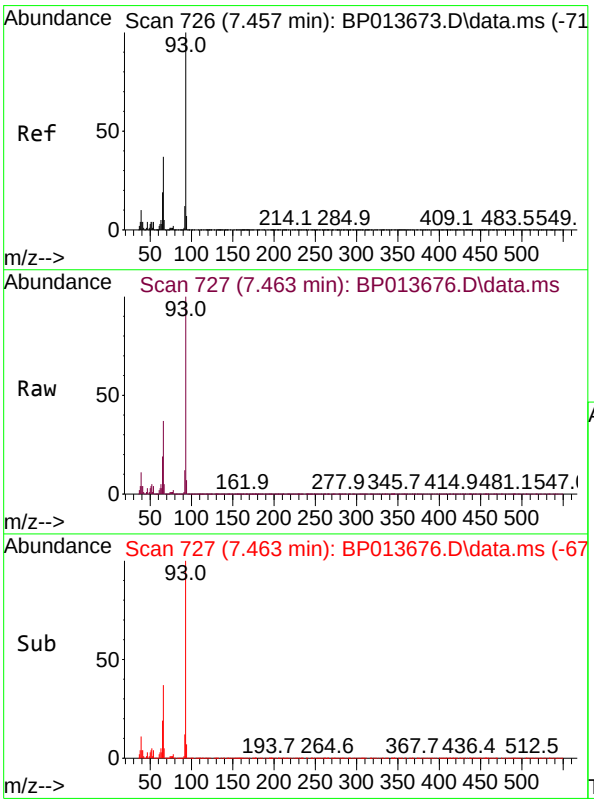
Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.6	67.0
63	28.7	22.6	34.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

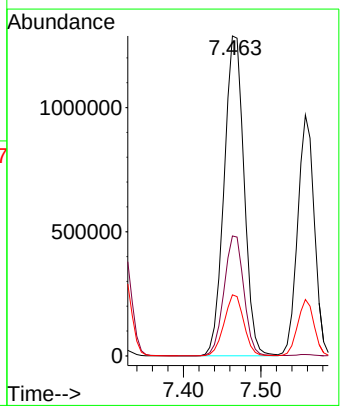
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

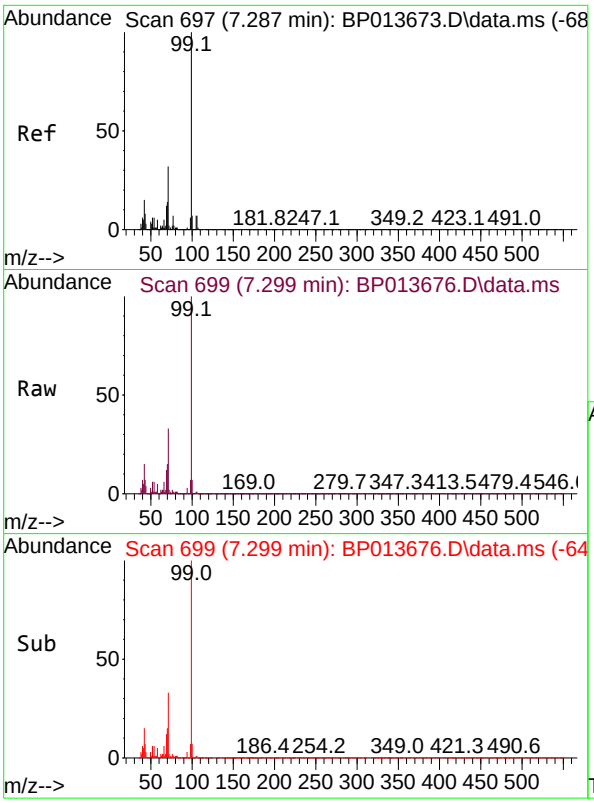


#6
Aniline
Concen: 76.247 ng
RT: 7.463 min Scan# 727
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion: 93 Resp: 2312593

Ion	Ratio	Lower	Upper
93	100		
66	37.5	29.3	43.9
65	19.1	15.1	22.7

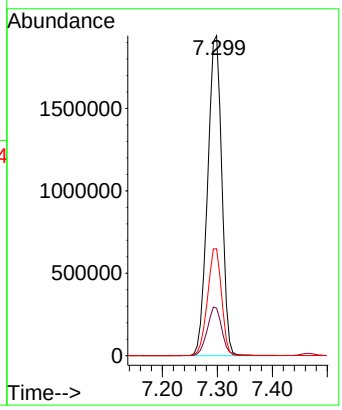




#7
Phenol-d6
Concen: 149.027 ng
RT: 7.299 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion: 99 Resp: 346718

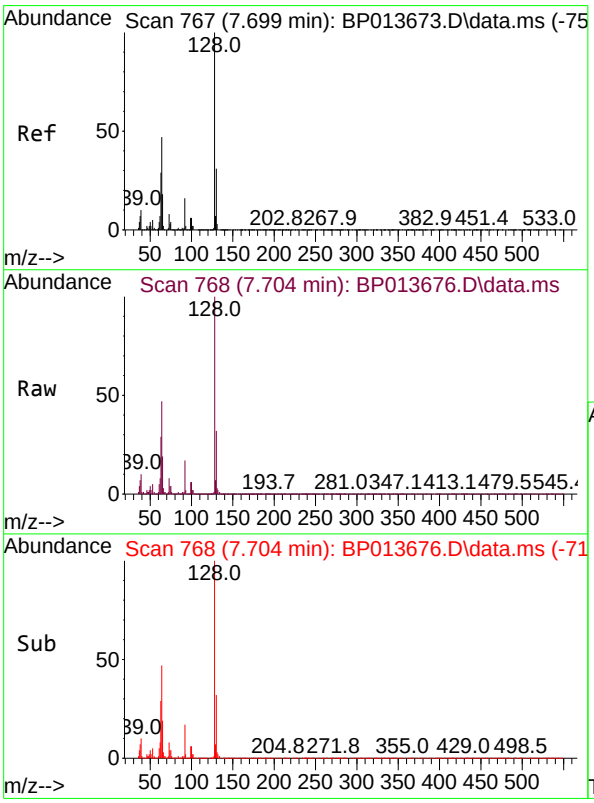
Ion	Ratio	Lower	Upper
99	100		
42	14.8	11.8	17.6
71	33.4	25.6	38.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

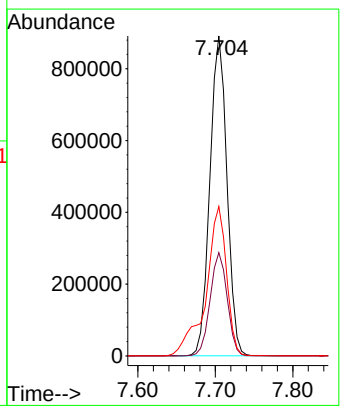
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

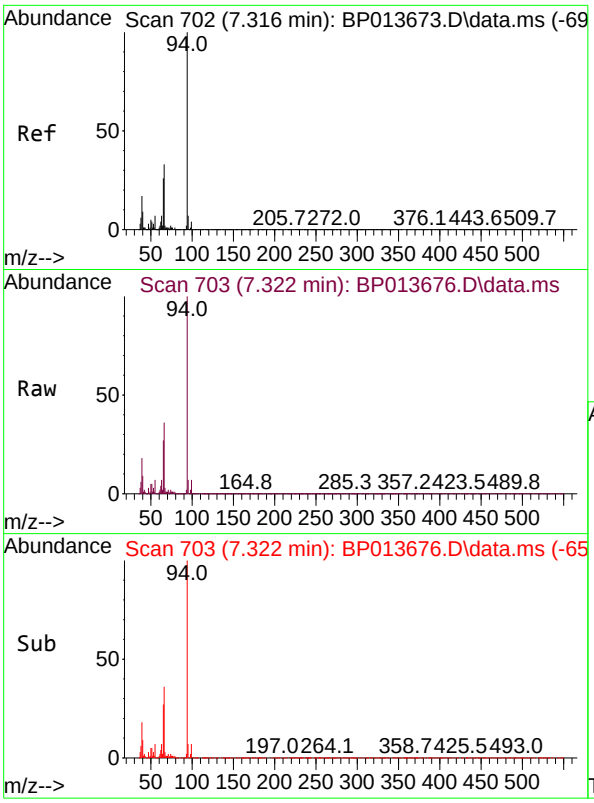


#8
2-Chlorophenol
Concen: 74.124 ng
RT: 7.704 min Scan# 768
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:128 Resp: 1362776

Ion	Ratio	Lower	Upper
128	100		
130	32.3	10.8	50.8
64	46.7	26.9	66.9

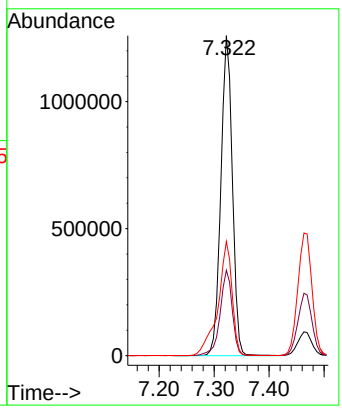




#10
Phenol
Concen: 75.082 ng
RT: 7.322 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion: 94 Resp: 182484

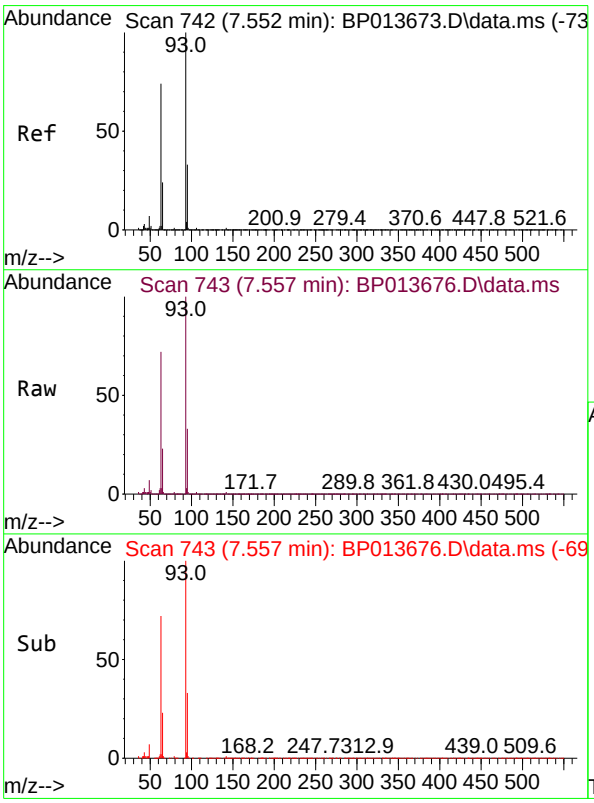
Ion	Ratio	Lower	Upper
94	100		
65	26.7	6.0	46.0
66	35.7	13.1	53.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

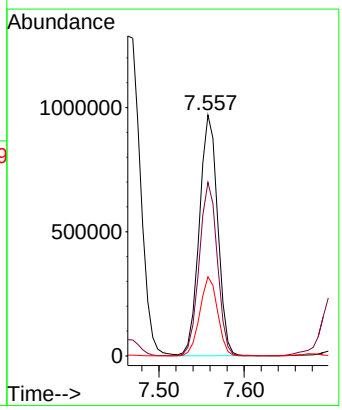
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

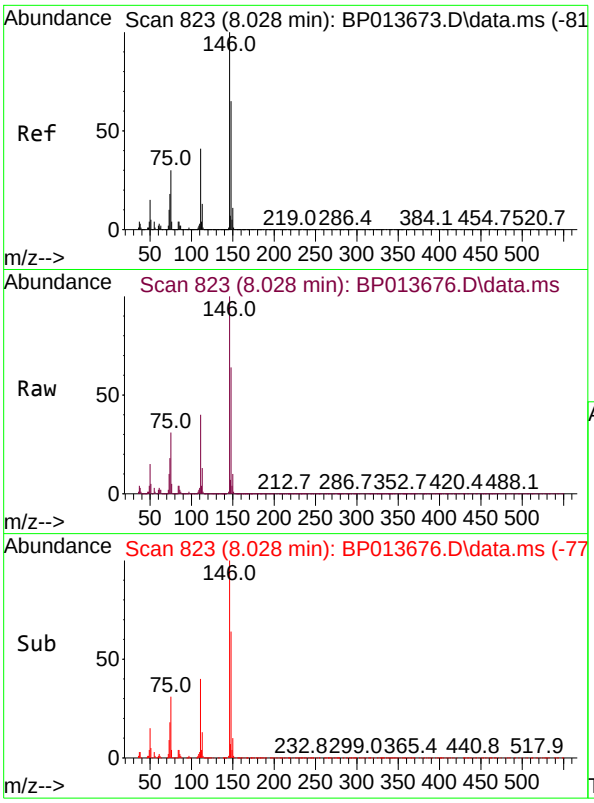


#11
bis(2-Chloroethyl)ether
Concen: 74.440 ng
RT: 7.557 min Scan# 743
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion: 93 Resp: 1445268

Ion	Ratio	Lower	Upper
93	100		
63	72.1	53.7	93.7
95	32.9	12.4	52.4





#12
1,3-Dichlorobenzene
Concen: 72.807 ng
RT: 8.028 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

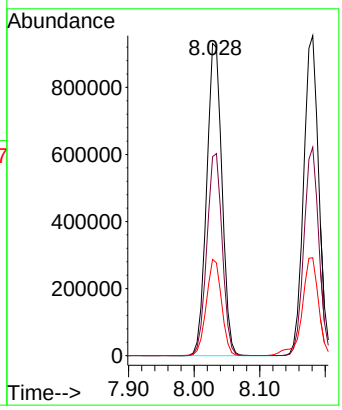
Tgt Ion:146 Resp: 150783

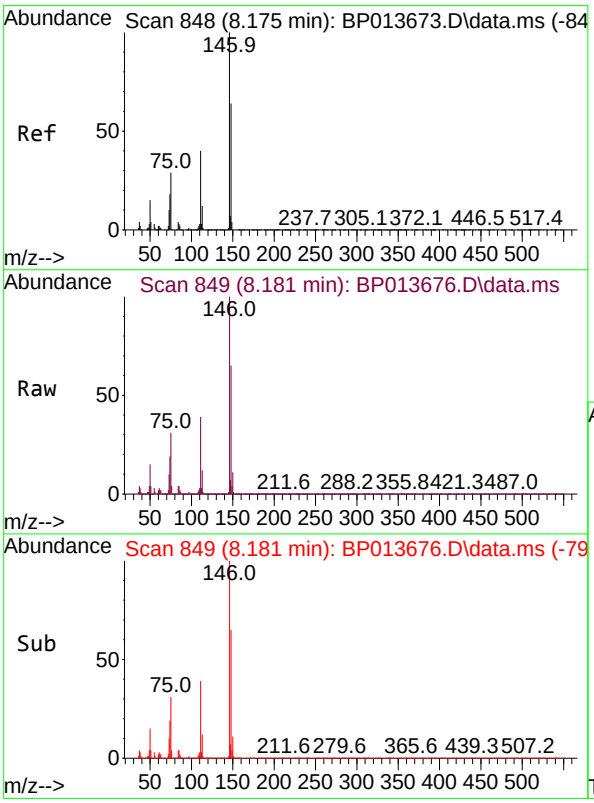
Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.9	77.9
75	30.8	24.0	36.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

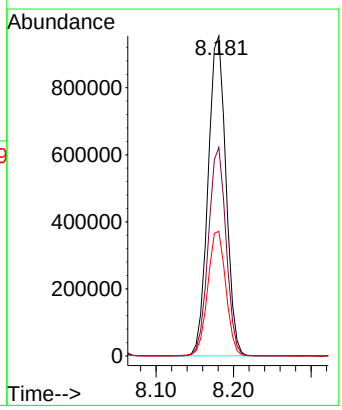


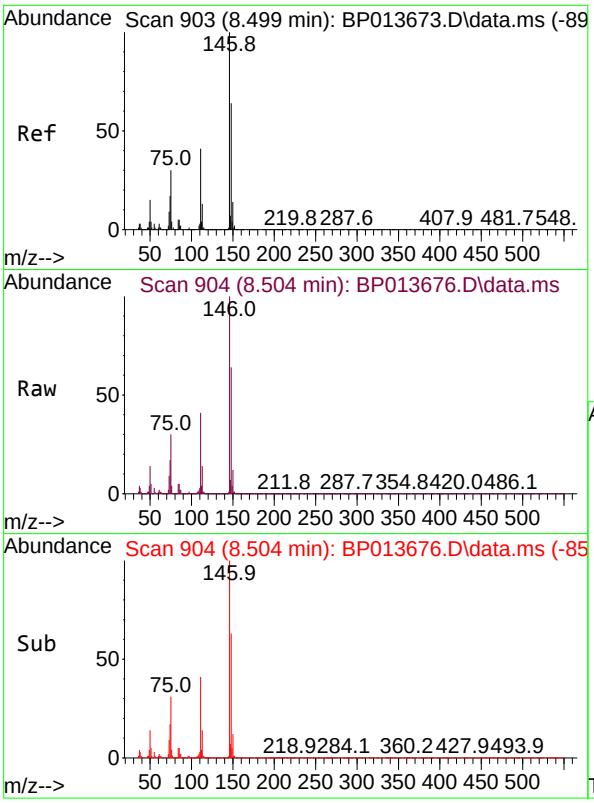


#13
1,4-Dichlorobenzene
Concen: 72.868 ng
RT: 8.181 min Scan# 849
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:146 Resp: 1526926

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.5	77.3
111	38.9	32.0	48.0

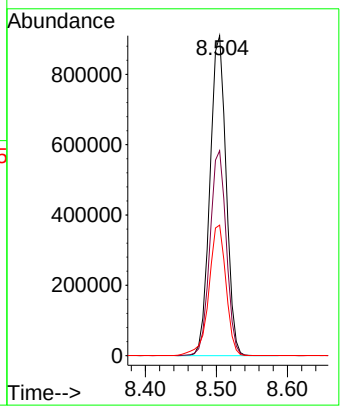




#14
1,2-Dichlorobenzene
Concen: 71.768 ng
RT: 8.504 min Scan# 90
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:146 Resp: 143905

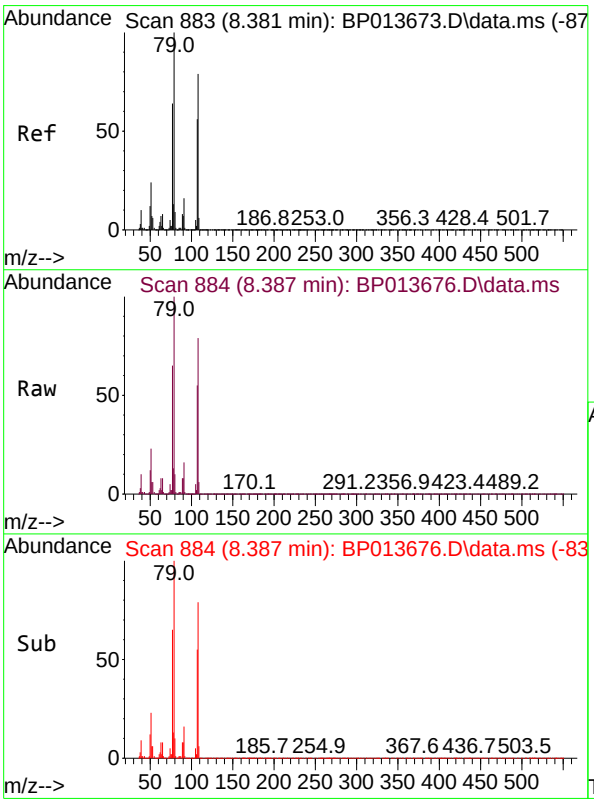
Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.3	76.9
111	40.8	32.8	49.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

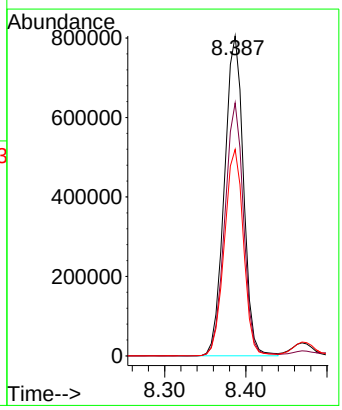
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

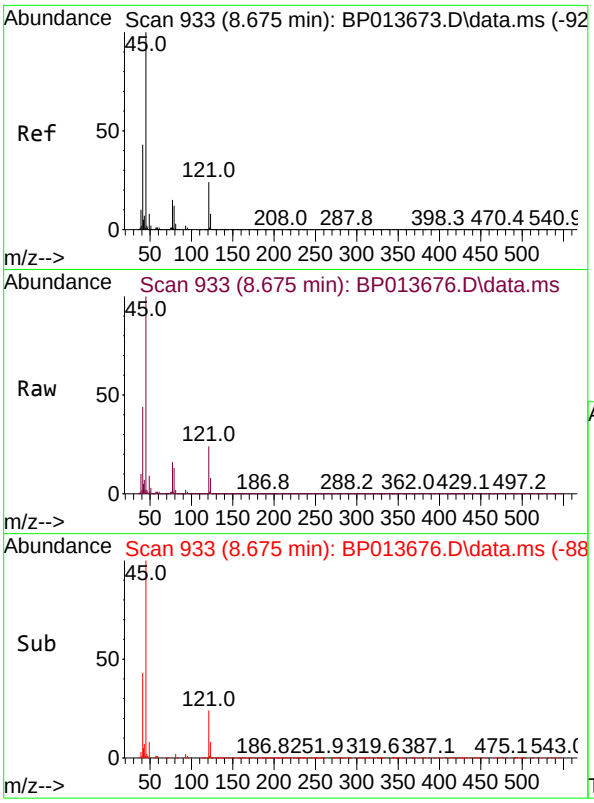


#15
Benzyl Alcohol
Concen: 79.512 ng
RT: 8.387 min Scan# 884
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion: 79 Resp: 1309917

Ion	Ratio	Lower	Upper
79	100		
108	79.1	62.9	94.3
77	64.6	51.1	76.7





#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.947 ng
RT: 8.675 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

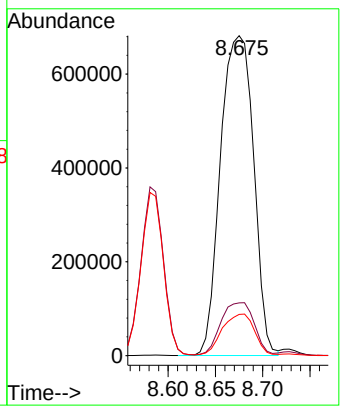
Tgt Ion: 45 Resp: 166039

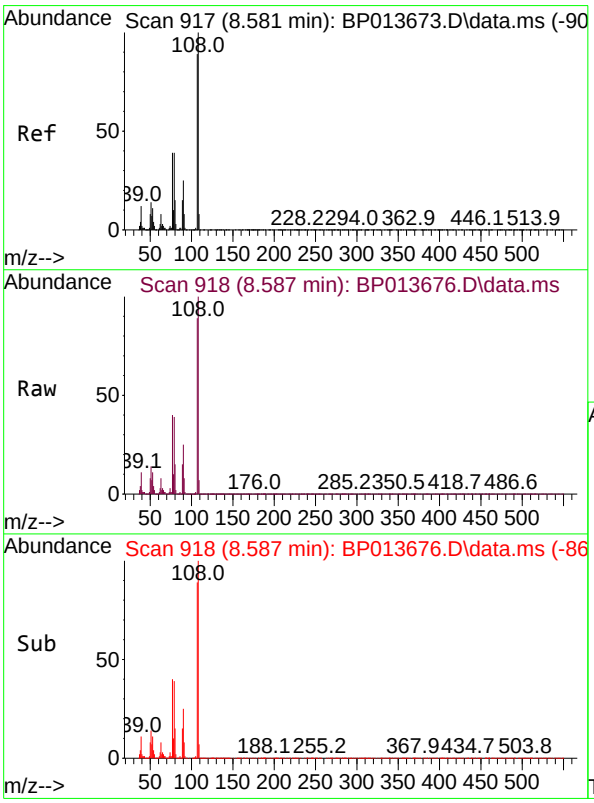
Ion	Ratio	Lower	Upper
45	100		
77	16.5	0.0	36.4
79	12.9	0.0	33.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

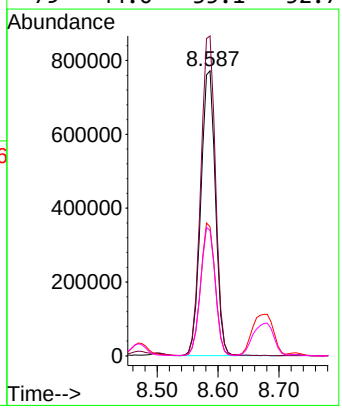


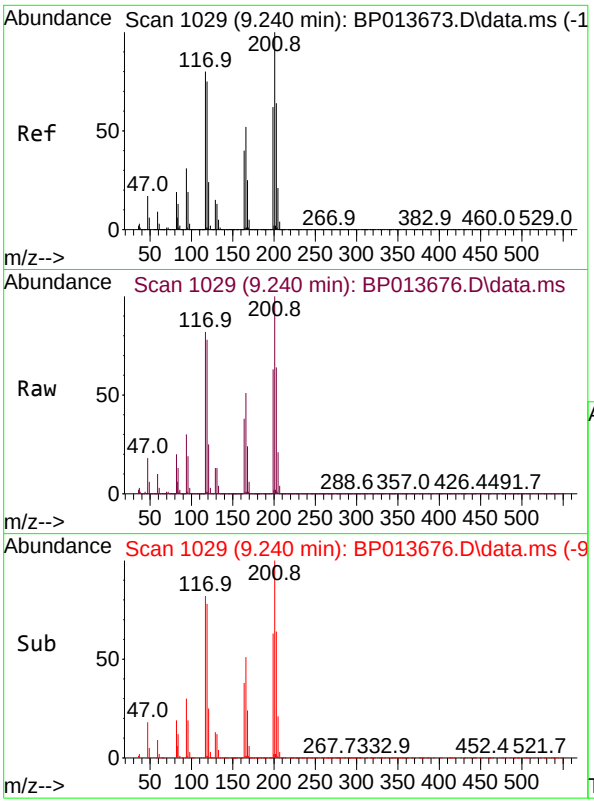


#17
2-Methylphenol
Concen: 75.346 ng
RT: 8.587 min Scan# 918
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:107 Resp: 1283256

Ion	Ratio	Lower	Upper
107	100		
108	112.3	90.0	135.0
77	45.3	35.7	53.5
79	44.0	35.1	52.7

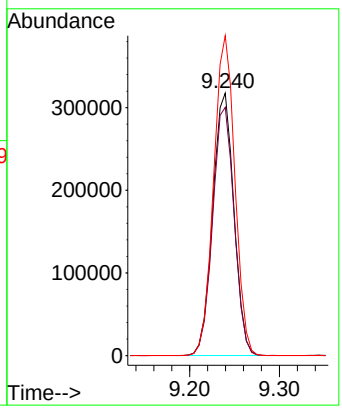




#18
Hexachloroethane
Concen: 75.854 ng
RT: 9.240 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:117 Resp: 52412

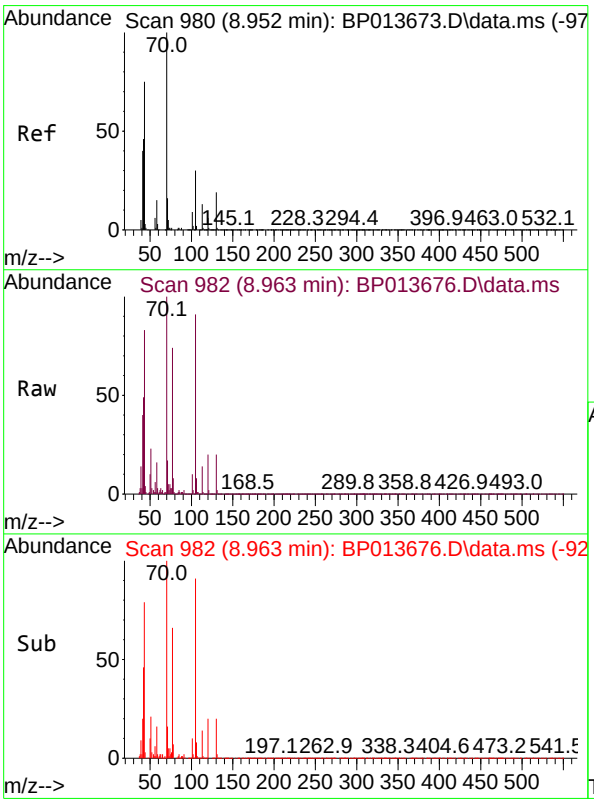
Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.0	112.4
201	121.9	100.4	150.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

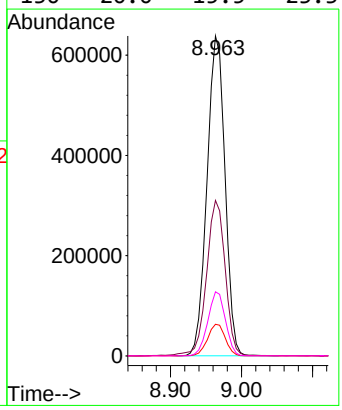
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

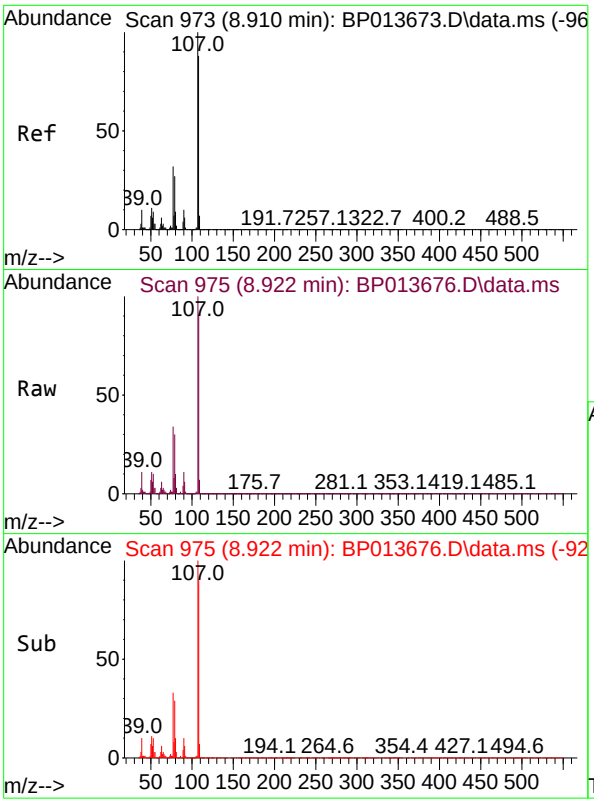


#19
n-Nitroso-di-n-propylamine
Concen: 77.091 ng
RT: 8.963 min Scan# 982
Delta R.T. 0.011 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion: 70 Resp: 1125296

Ion	Ratio	Lower	Upper
70	100		
42	48.6	37.2	55.8
101	9.9	7.4	11.2
130	20.0	15.5	23.3

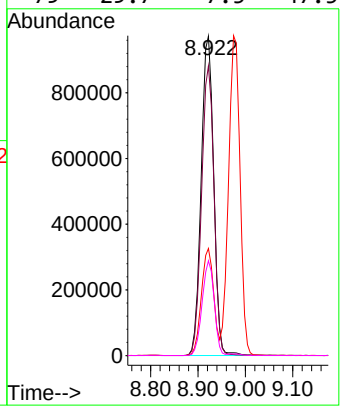




#20
3+4-Methylphenols
Concen: 76.894 ng
RT: 8.922 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:107 Resp: 178659

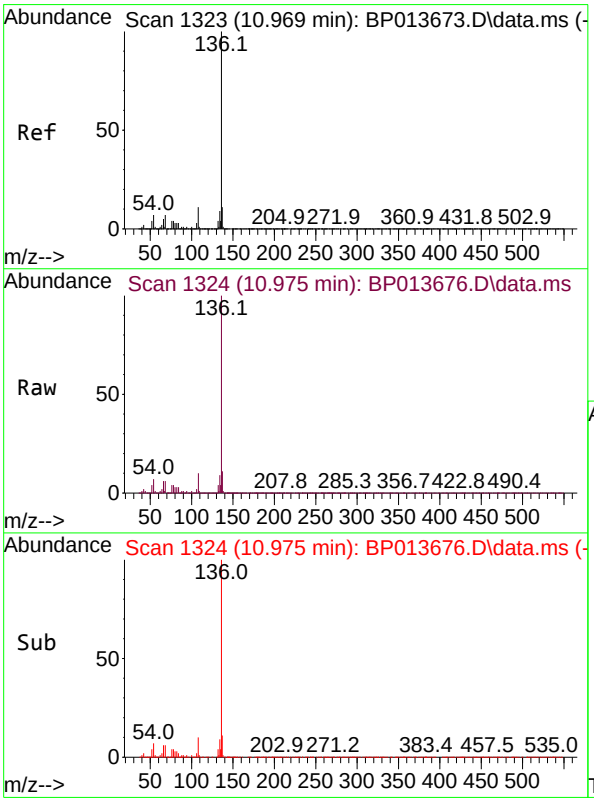
Ion	Ratio	Lower	Upper
107	100		
108	90.7	67.7	107.7
77	33.5	12.0	52.0
79	29.7	7.5	47.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

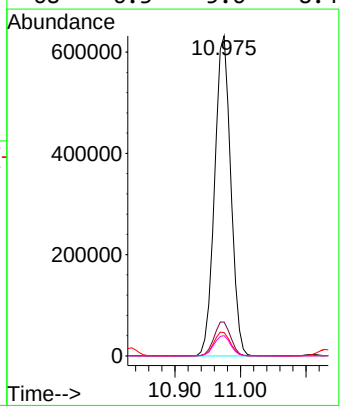
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

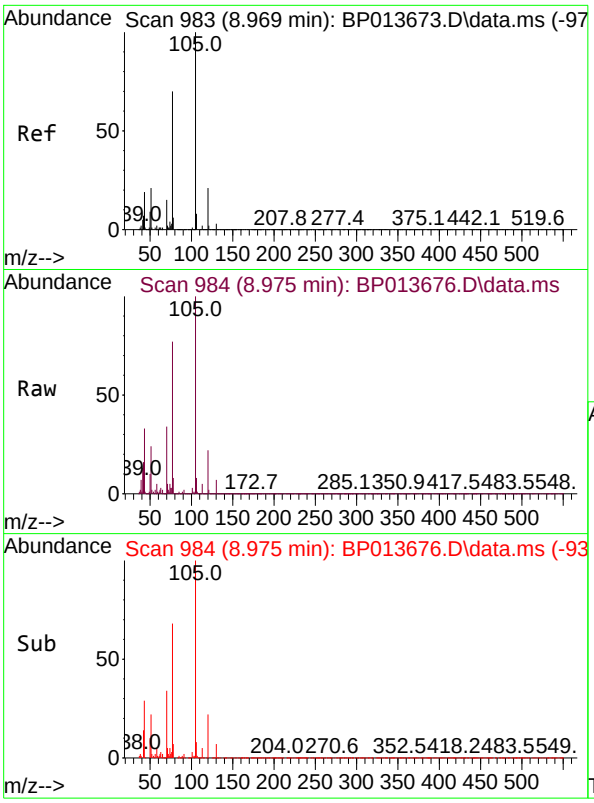


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.975 min Scan# 1324
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:136 Resp: 1082866

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.3	6.0	9.0
68	6.3	5.6	8.4

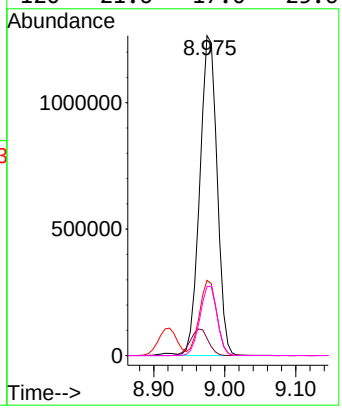




#22
Acetophenone
Concen: 75.435 ng
RT: 8.975 min Scan# 98
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:105 Resp: 213014

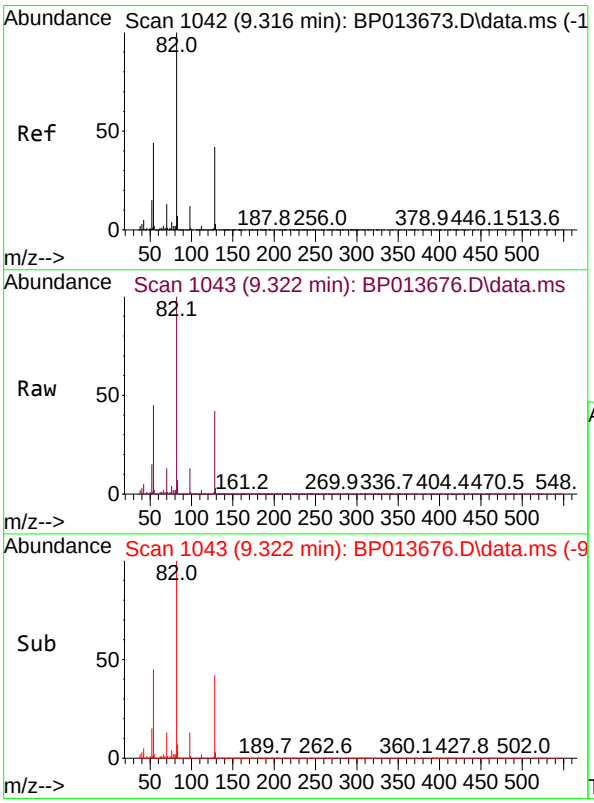
Ion	Ratio	Lower	Upper
105	100		
71	5.4	2.2	3.2
51	23.5	18.6	27.8
120	21.6	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

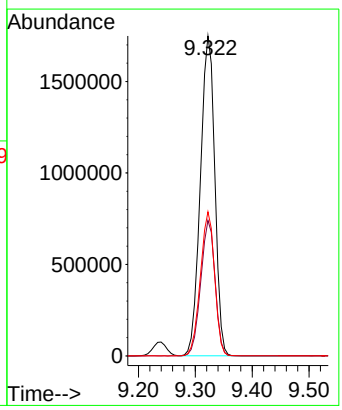
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

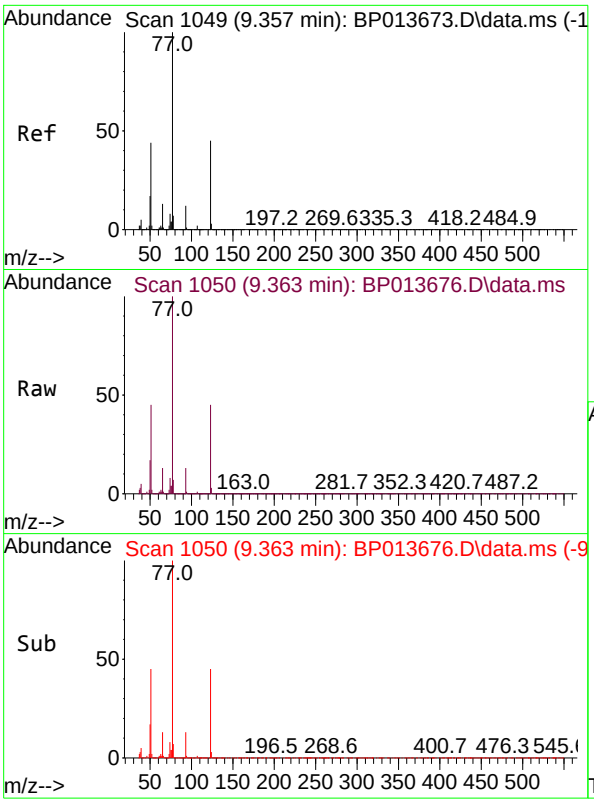


#23
Nitrobenzene-d5
Concen: 165.946 ng
RT: 9.322 min Scan# 1043
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion: 82 Resp: 3089195

Ion	Ratio	Lower	Upper
82	100		
128	42.3	33.4	50.0
54	45.0	35.4	53.0

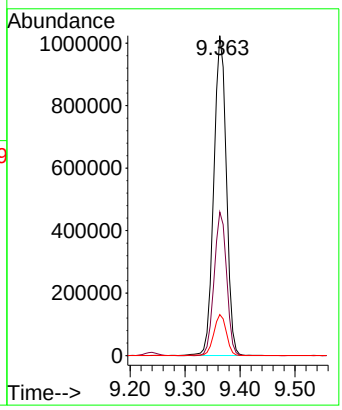




#24
Nitrobenzene
Concen: 80.299 ng
RT: 9.363 min Scan# 10
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion: 77 Resp: 162137

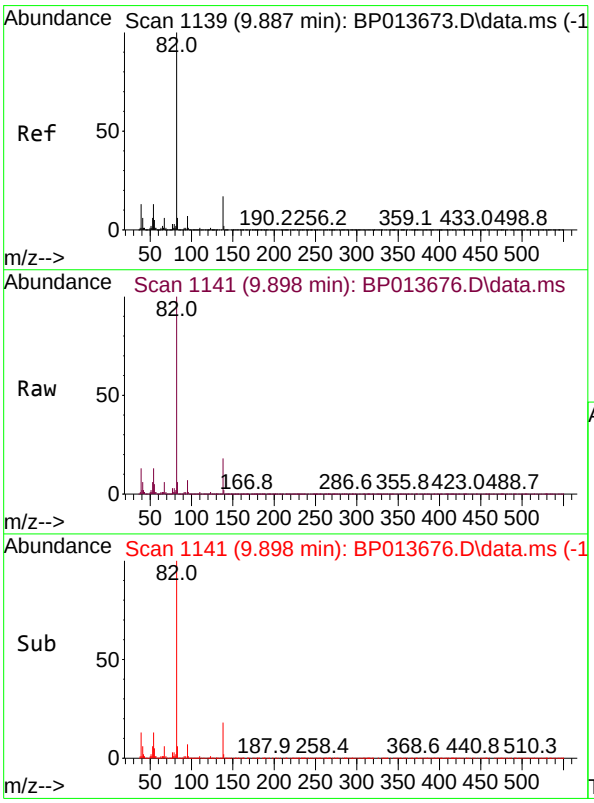
Ion	Ratio	Lower	Upper
77	100		
123	44.9	35.9	53.9
65	12.8	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

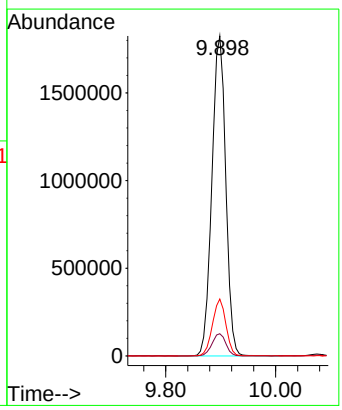
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

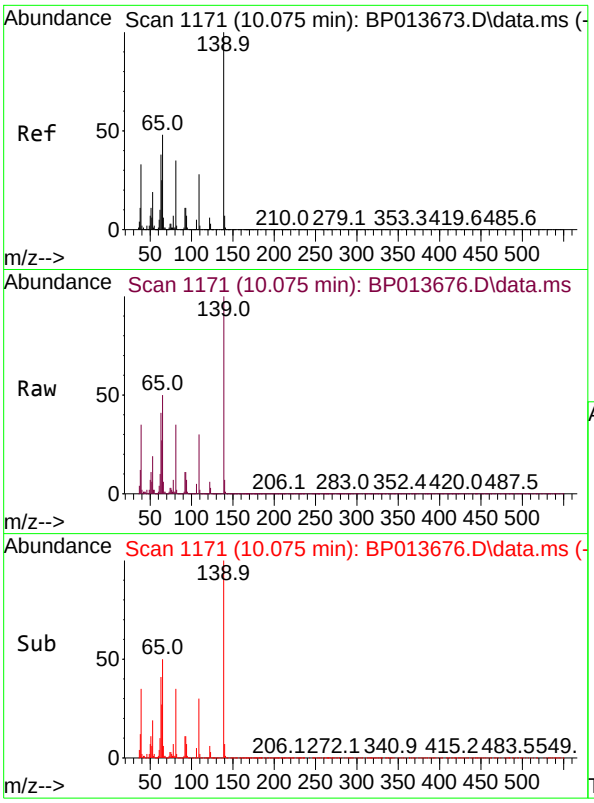


#25
Isophorone
Concen: 77.233 ng
RT: 9.898 min Scan# 1141
Delta R.T. 0.011 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion: 82 Resp: 3186675

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	17.8	13.9	20.9

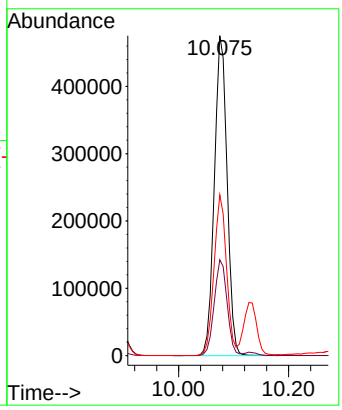




#26
2-Nitrophenol
Concen: 90.393 ng
RT: 10.075 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:139 Resp: 76396

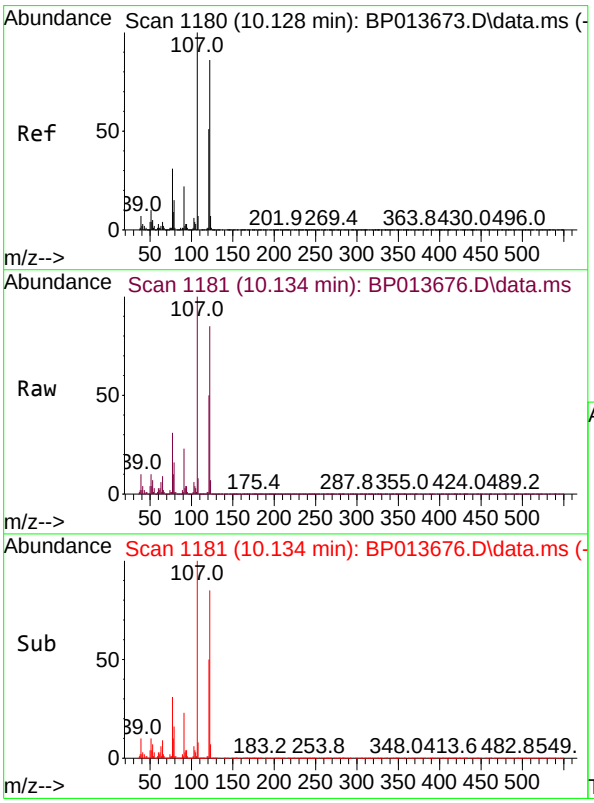
Ion	Ratio	Lower	Upper
139	100		
109	29.9	22.7	34.1
65	50.2	38.8	58.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

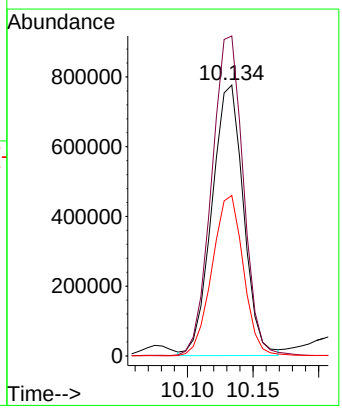
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

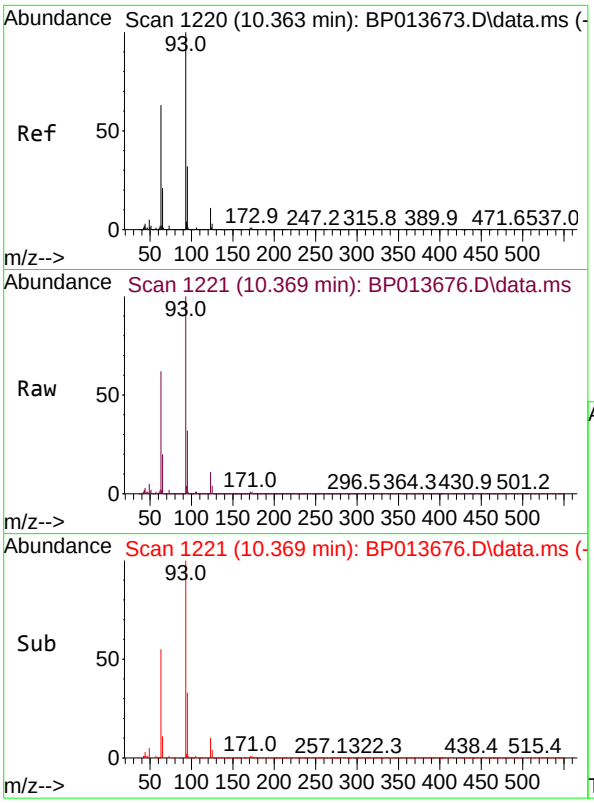


#27
2,4-Dimethylphenol
Concen: 75.165 ng
RT: 10.134 min Scan# 1181
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:122 Resp: 1300585

Ion	Ratio	Lower	Upper
122	100		
107	118.1	93.0	139.6
121	59.2	47.0	70.4

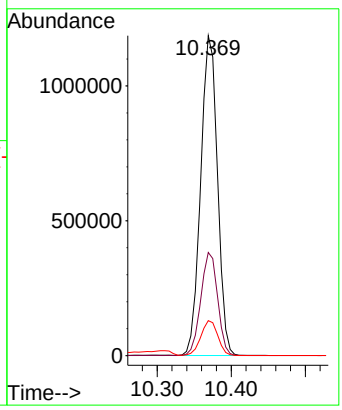




#28
bis(2-Chloroethoxy)methane
Concen: 75.502 ng
RT: 10.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion: 93 Resp: 186715

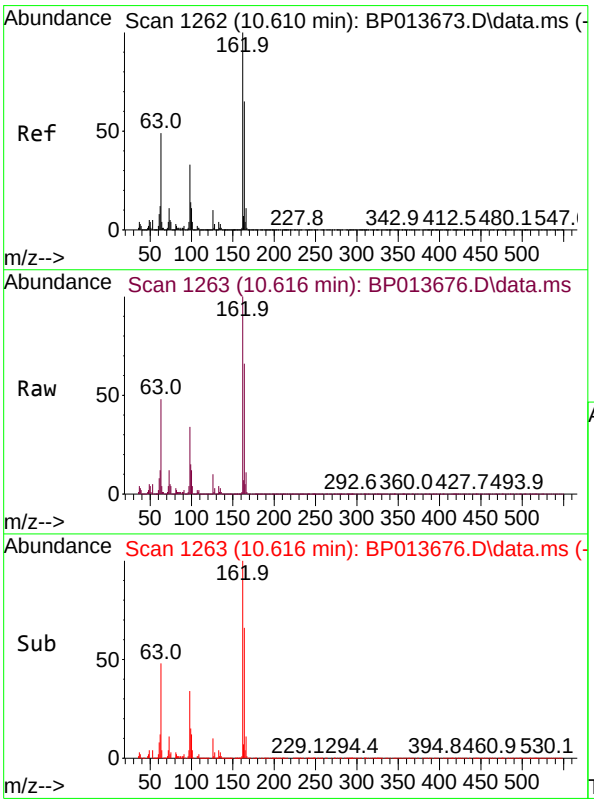
Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.0	39.0
123	10.9	8.7	13.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

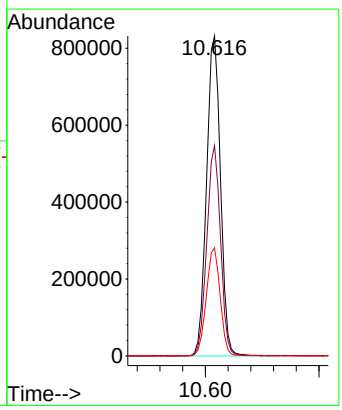
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

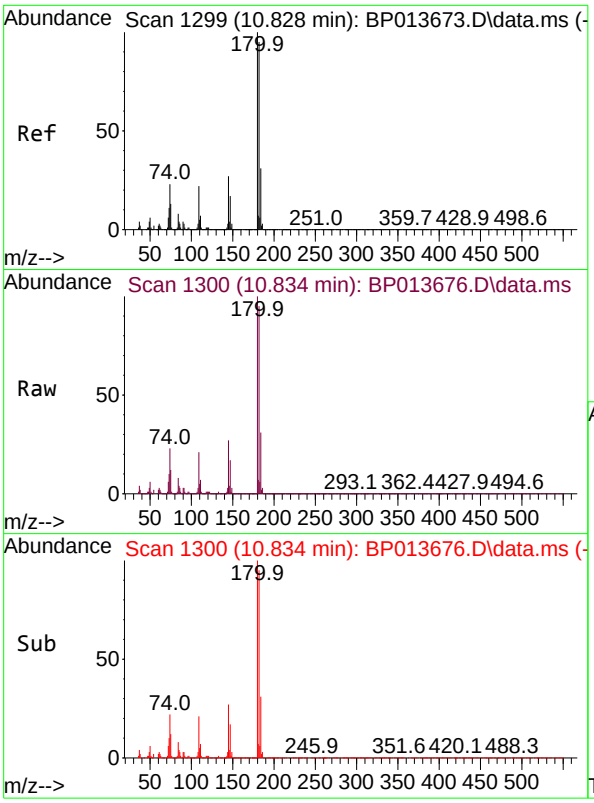


#29
2,4-Dichlorophenol
Concen: 78.381 ng
RT: 10.616 min Scan# 1263
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:162 Resp: 1420568

Ion	Ratio	Lower	Upper
162	100		
164	65.7	44.8	84.8
98	33.8	13.4	53.4

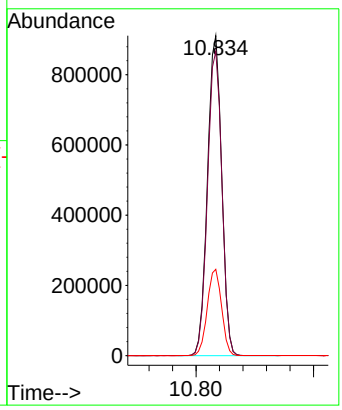




#30
1,2,4-Trichlorobenzene
Concen: 75.999 ng
RT: 10.834 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:180 Resp: 152834

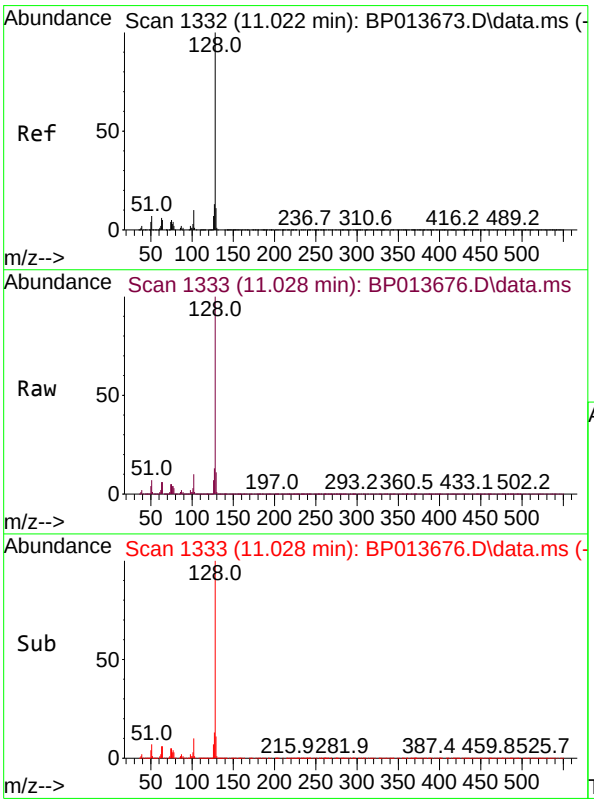
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.4	114.6
145	27.0	21.9	32.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

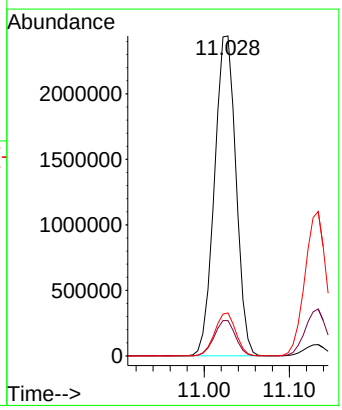
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

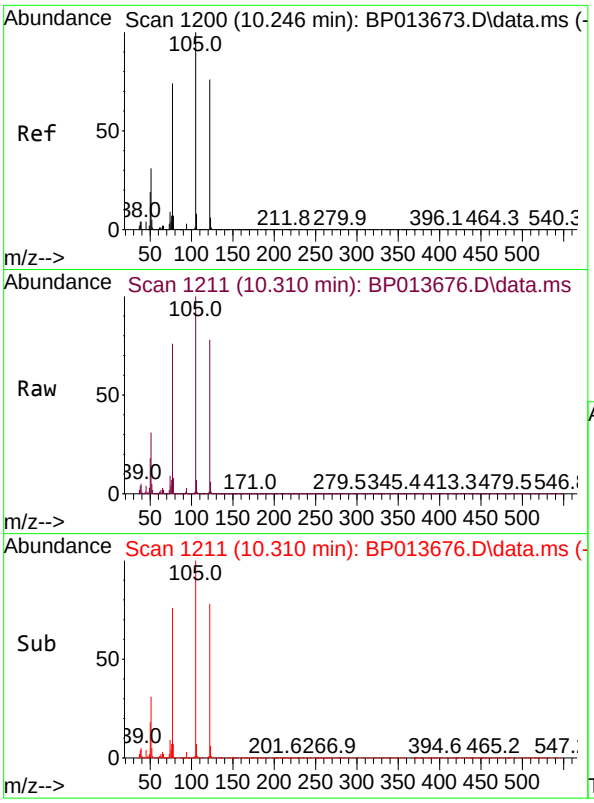


#31
Naphthalene
Concen: 75.238 ng
RT: 11.028 min Scan# 1333
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:128 Resp: 4283821

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.4	10.5	15.7

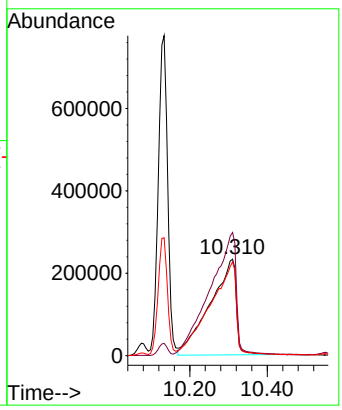




#32
Benzoic acid
Concen: 88.393 ng
RT: 10.310 min Scan# 1
Delta R.T. 0.064 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:122 Resp: 109418

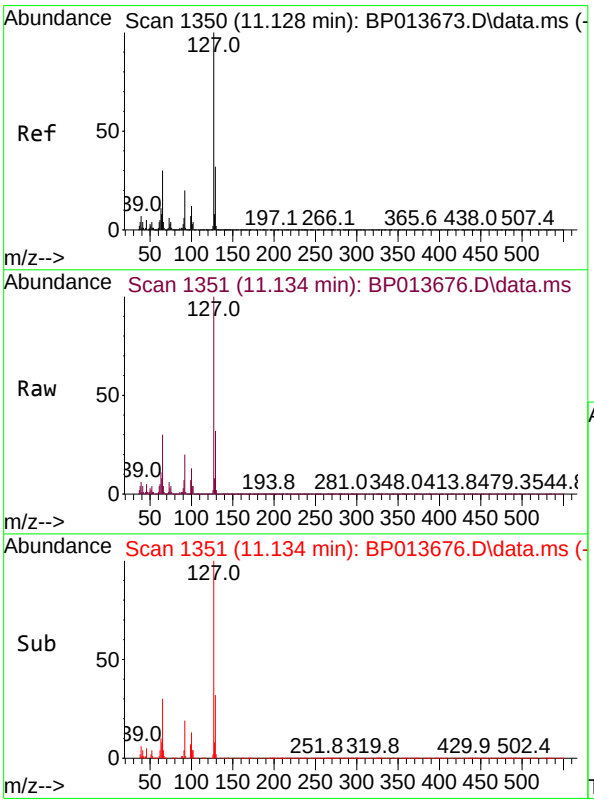
Ion	Ratio	Lower	Upper
122	100		
105	127.7	105.5	145.5
77	97.5	74.7	114.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

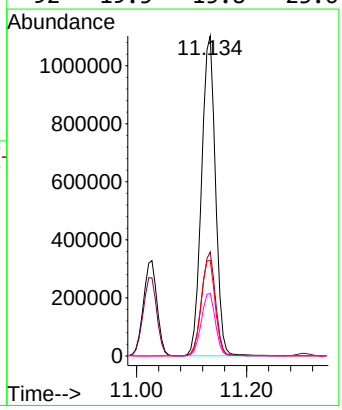
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

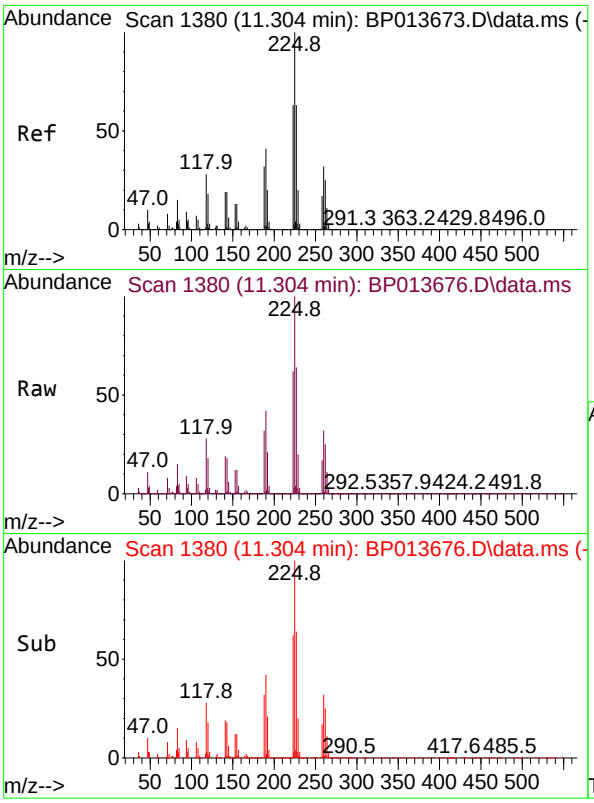


#33
4-Chloroaniline
Concen: 77.356 ng
RT: 11.134 min Scan# 1351
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:127 Resp: 1935287

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.3	37.9
65	29.9	23.8	35.8
92	19.5	15.8	23.6

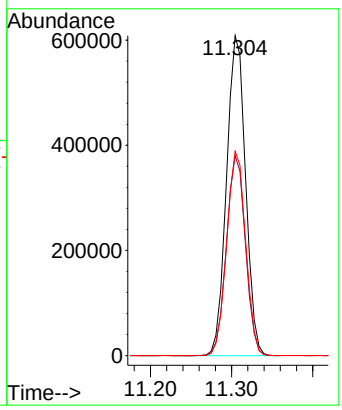




#34
Hexachlorobutadiene
Concen: 77.498 ng
RT: 11.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:225 Resp: 98929

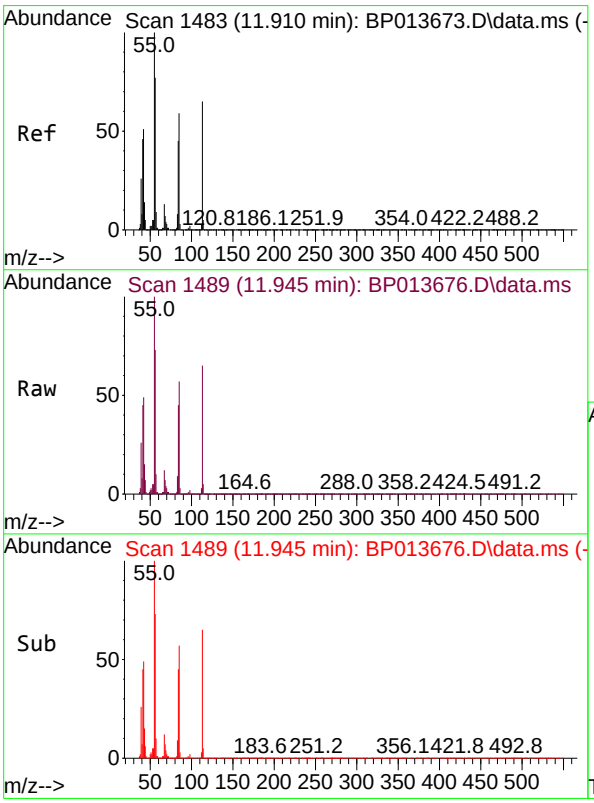
Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.5	75.7
227	63.8	50.6	75.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

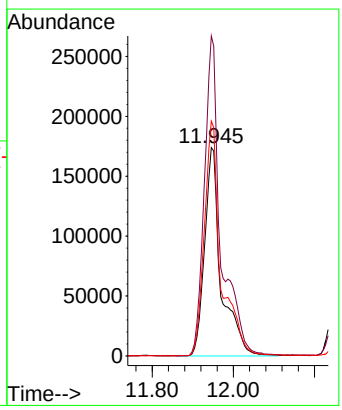
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

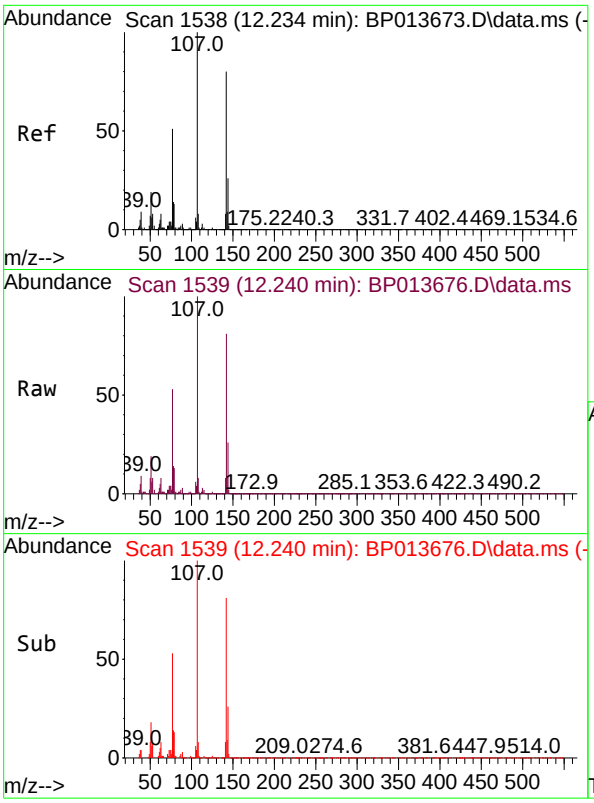


#35
Caprolactam
Concen: 82.907 ng
RT: 11.945 min Scan# 1489
Delta R.T. 0.035 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:113 Resp: 491554

Ion	Ratio	Lower	Upper
113	100		
55	153.7	133.0	173.0
56	112.8	97.4	137.4

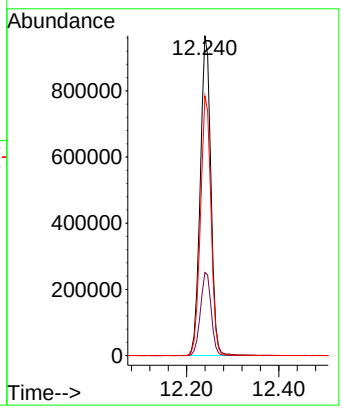




#36
4-Chloro-3-methylphenol
Concen: 80.653 ng
RT: 12.240 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:107 Resp: 153761

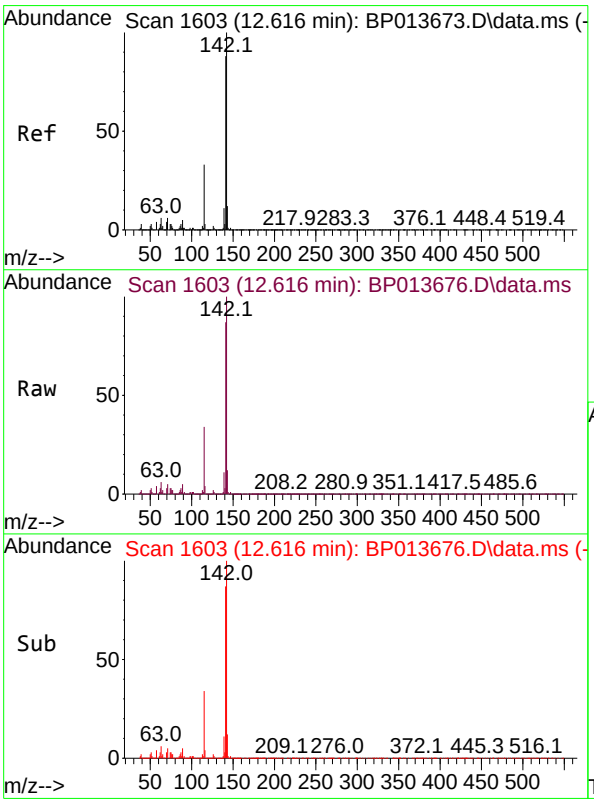
Ion	Ratio	Lower	Upper
107	100		
144	26.0	20.8	31.2
142	81.1	64.0	96.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

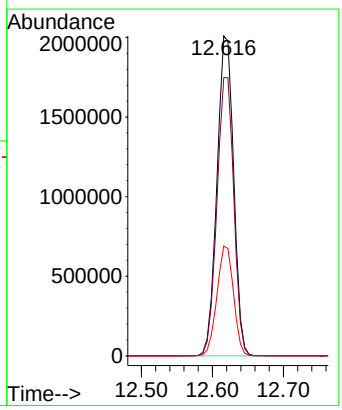
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

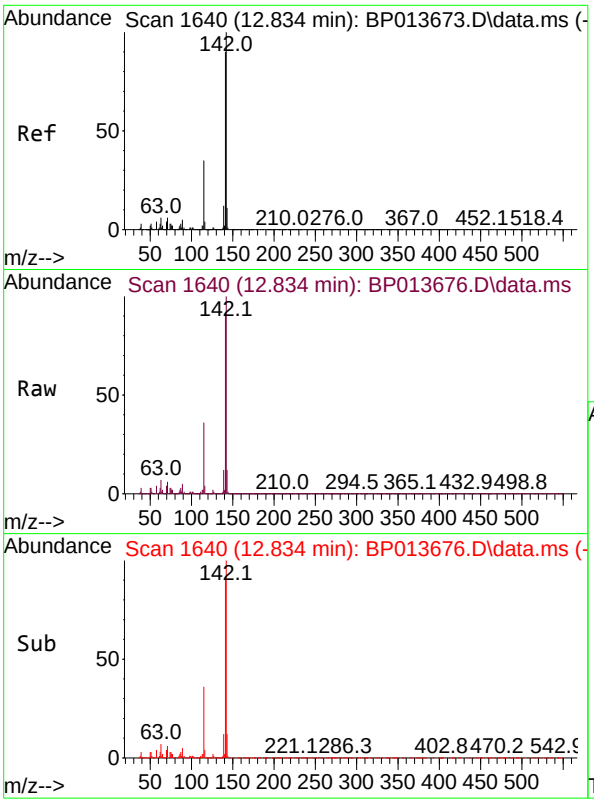


#37
2-Methylnaphthalene
Concen: 76.820 ng
RT: 12.616 min Scan# 1603
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:142 Resp: 3288778

Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.3	105.5
115	34.3	26.4	39.6

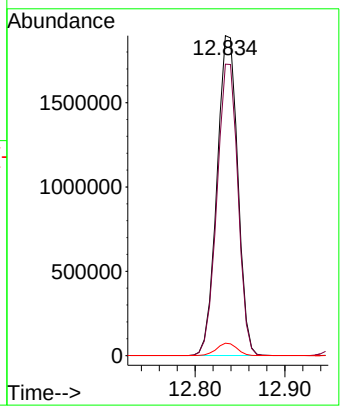




#38
1-Methylnaphthalene
Concen: 76.484 ng
RT: 12.834 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:142 Resp: 307584

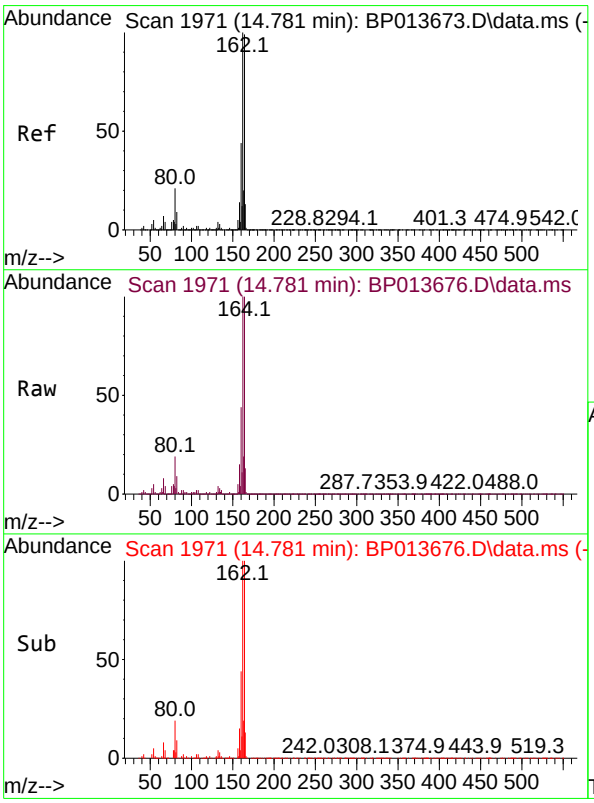
Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.2	108.4
116	3.9	3.0	4.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

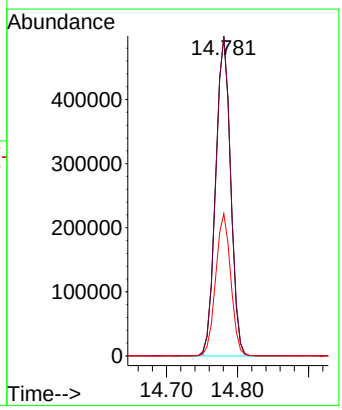
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

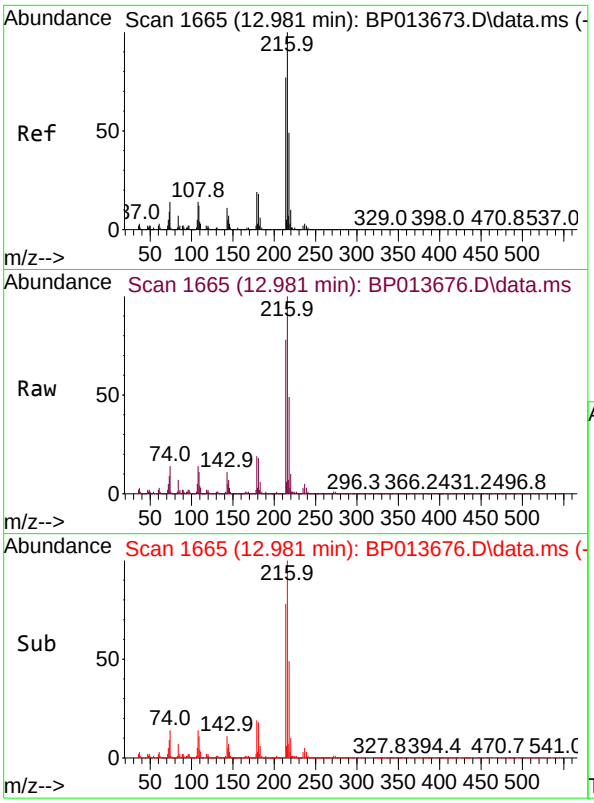


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.781 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:164 Resp: 726943

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.8	121.2
160	44.6	35.6	53.4

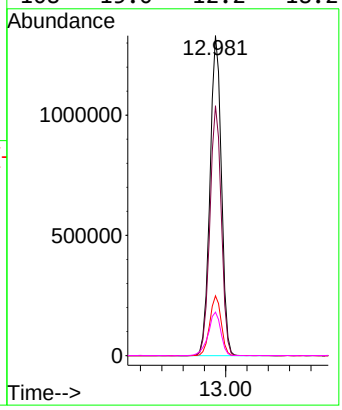




#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.830 ng
RT: 12.981 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:216 Resp: 198122

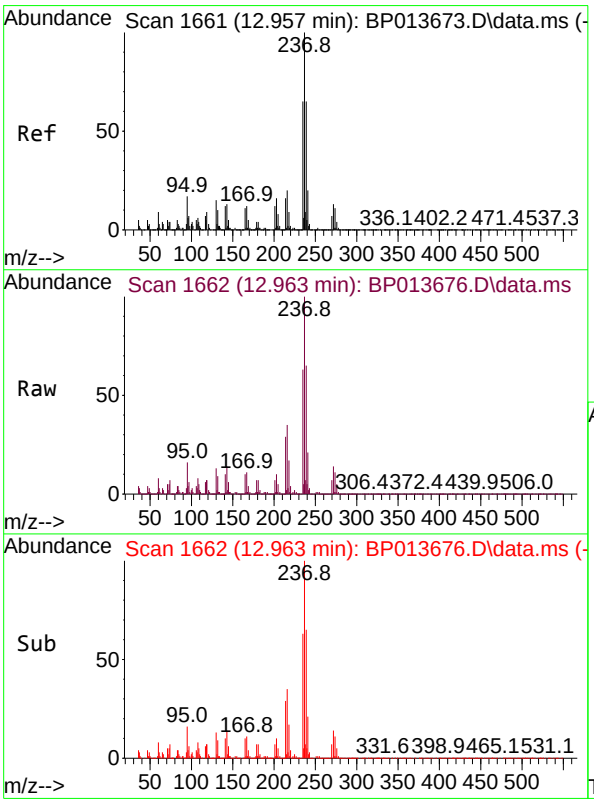
Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.6	94.0
179	18.7	15.2	22.8
108	15.0	12.2	18.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

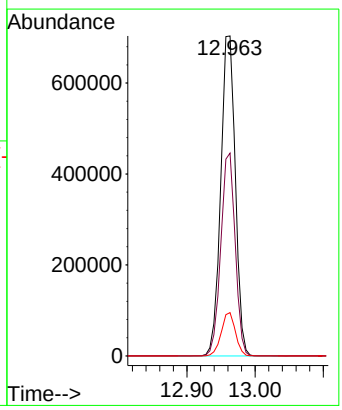
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

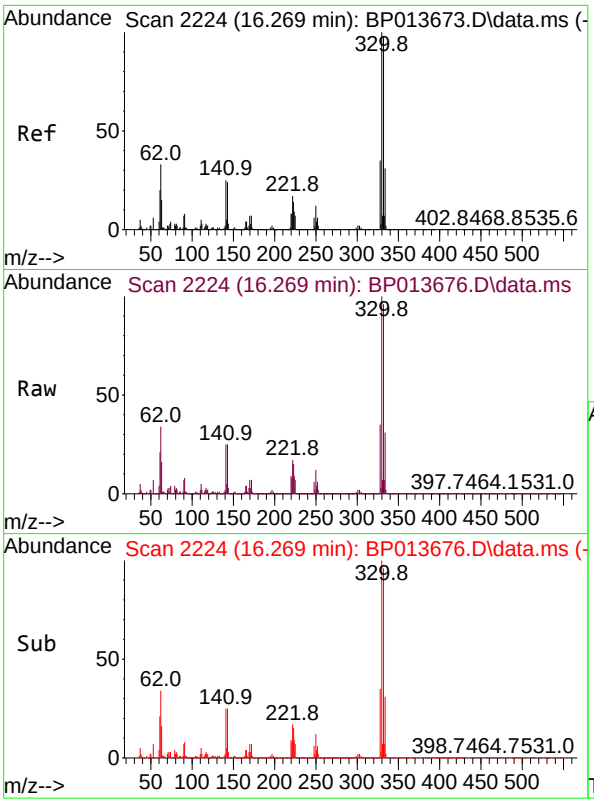


#41
Hexachlorocyclopentadiene
Concen: 91.566 ng
RT: 12.963 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:237 Resp: 1037220

Ion	Ratio	Lower	Upper
237	100		
235	63.4	44.6	84.6
272	13.5	0.0	33.2

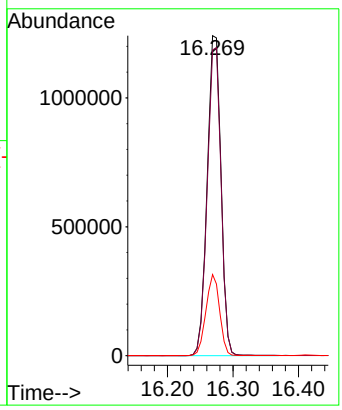




#42
2,4,6-Tribromophenol
Concen: 165.909 ng
RT: 16.269 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:330 Resp: 180896

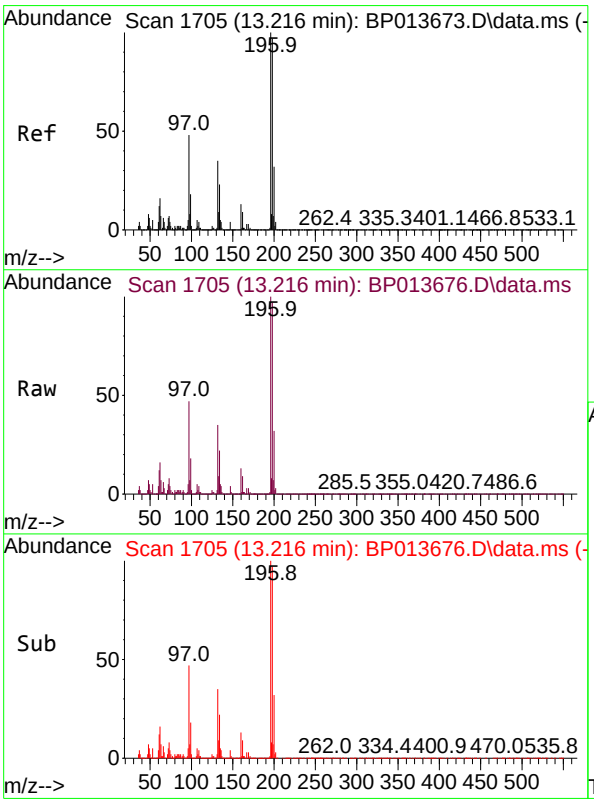
Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.2
141	25.1	21.3	31.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

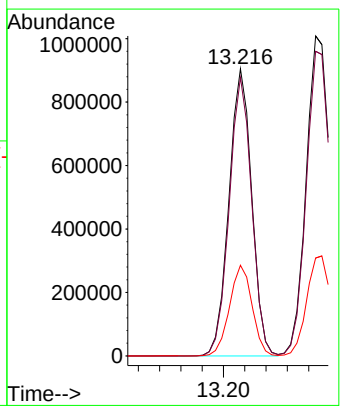
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

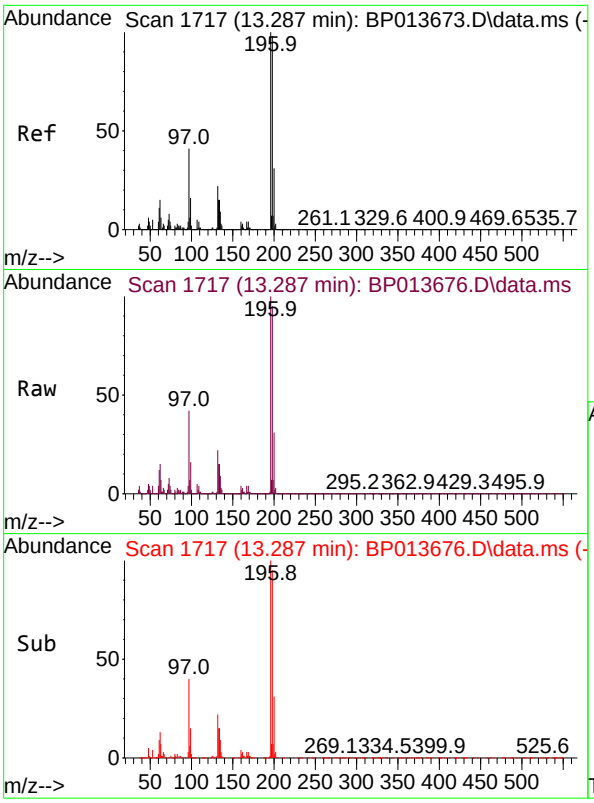


#43
2,4,6-Trichlorophenol
Concen: 82.165 ng
RT: 13.216 min Scan# 1705
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:196 Resp: 1342762

Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.5	116.3
200	31.6	25.3	37.9

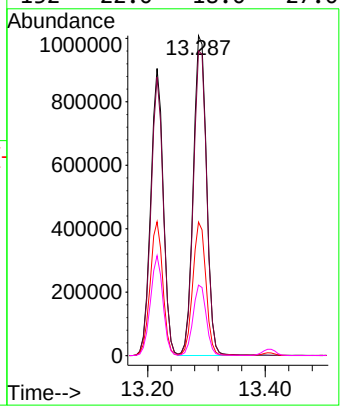




#44
2,4,5-Trichlorophenol
Concen: 82.524 ng
RT: 13.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:196 Resp: 157900

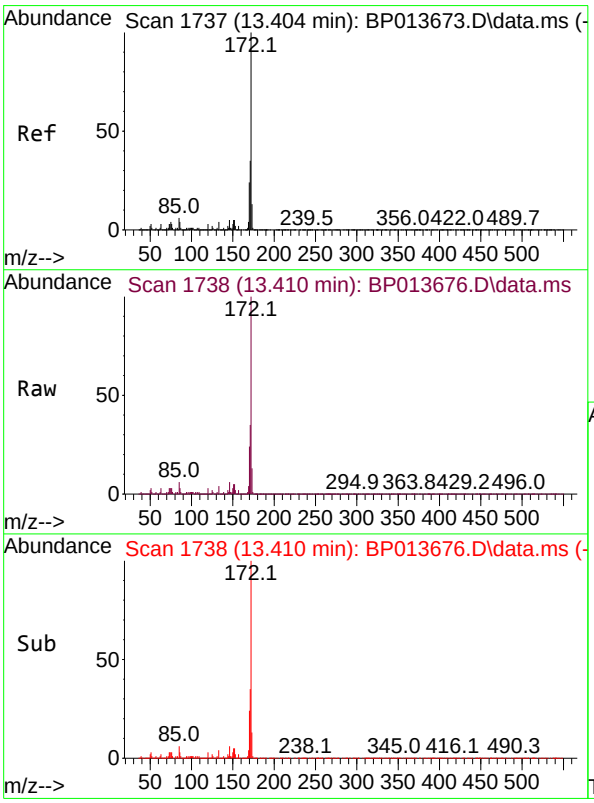
Ion	Ratio	Lower	Upper
196	100		
198	95.2	78.2	117.2
97	41.7	33.2	49.8
132	22.0	18.0	27.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

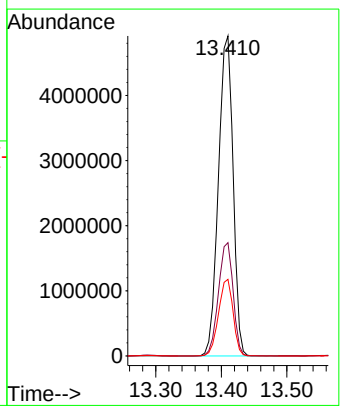
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

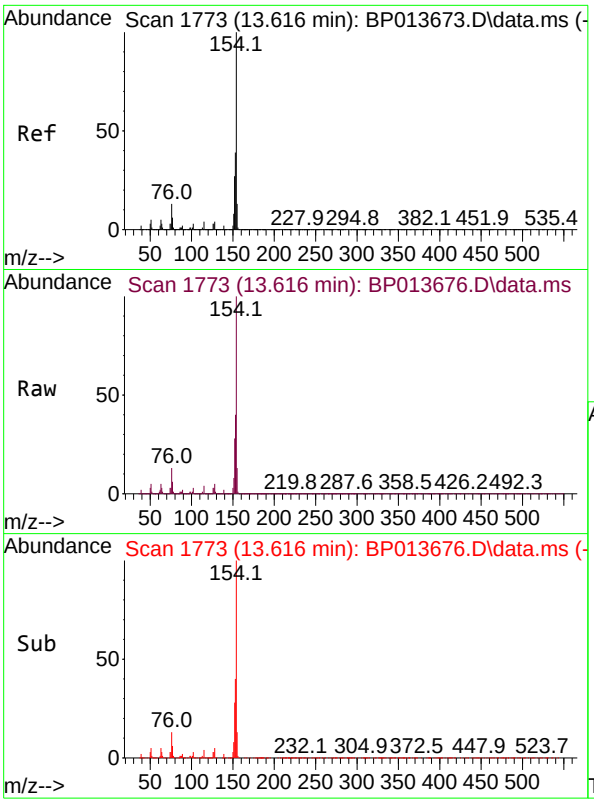


#45
2-Fluorobiphenyl
Concen: 147.338 ng
RT: 13.410 min Scan# 1738
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:172 Resp: 7654440

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	23.9	19.0	28.4

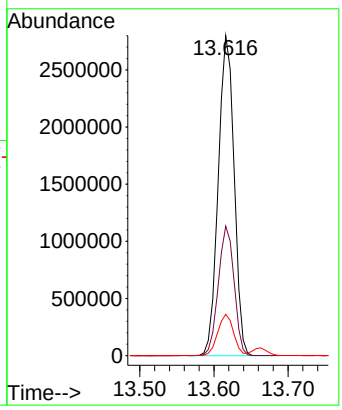




#46
1,1'-Biphenyl
Concen: 75.563 ng
RT: 13.616 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:154 Resp: 415678

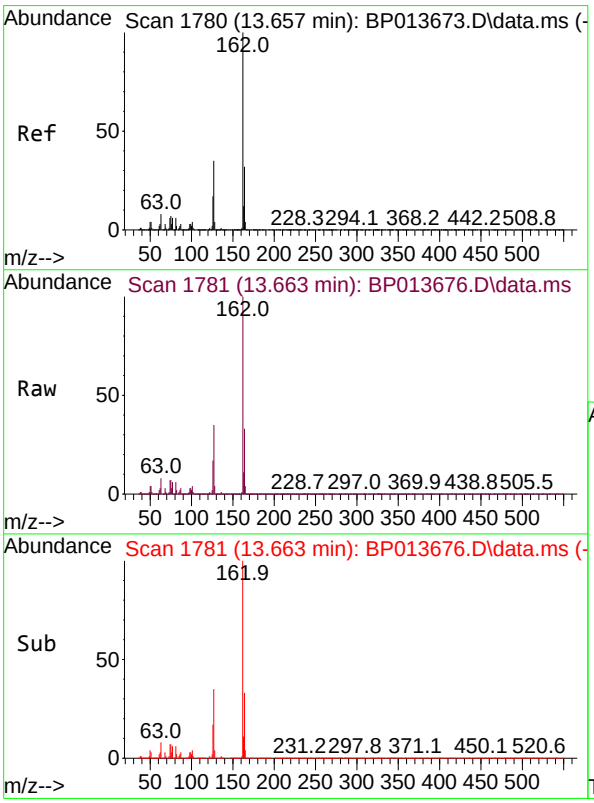
Ion	Ratio	Lower	Upper
154	100		
153	40.5	19.3	59.3
76	12.9	0.0	33.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

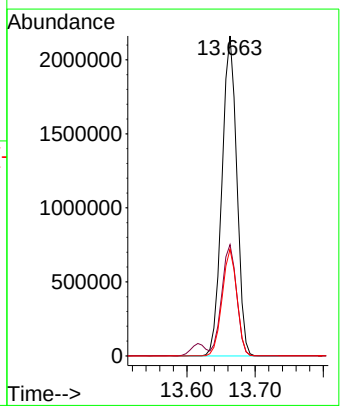
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

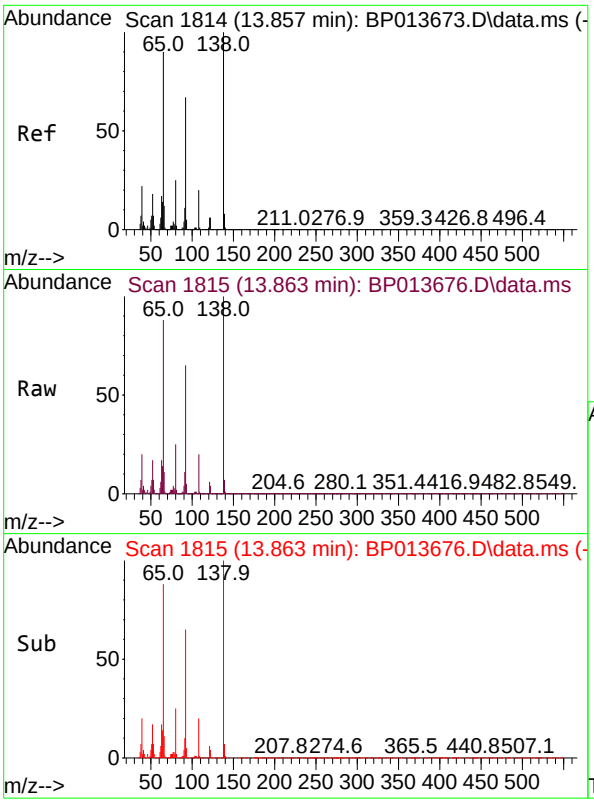


#47
2-Chloronaphthalene
Concen: 76.280 ng
RT: 13.663 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:162 Resp: 3243548

Ion	Ratio	Lower	Upper
162	100		
127	34.8	28.3	42.5
164	33.3	25.9	38.9





#48
2-Nitroaniline
Concen: 98.874 ng
RT: 13.863 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

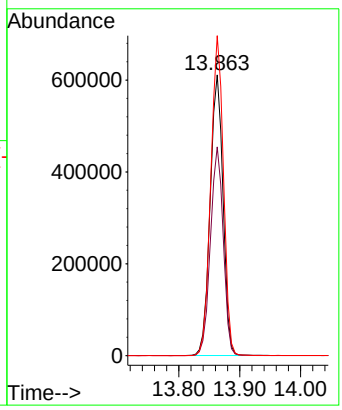
Tgt Ion: 65 Resp: 898371

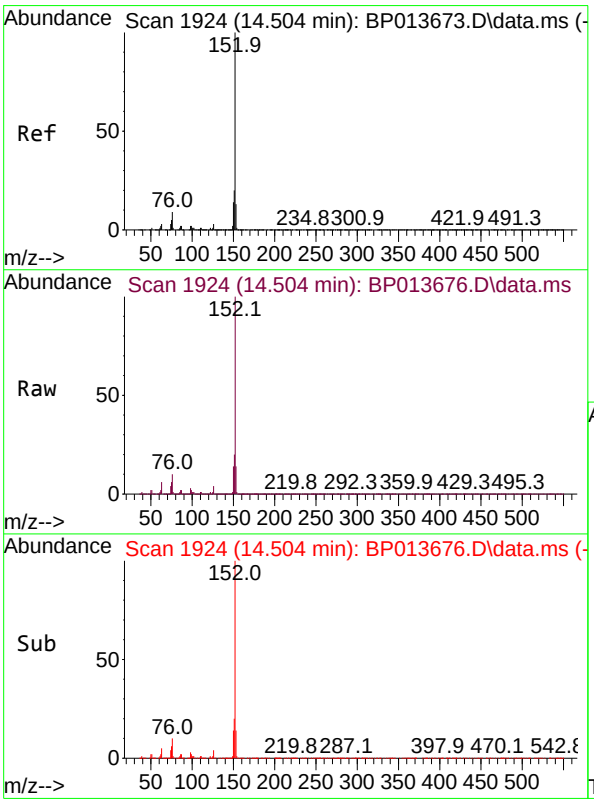
Ion	Ratio	Lower	Upper
65	100		
92	74.3	59.4	89.0
138	114.0	88.6	133.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

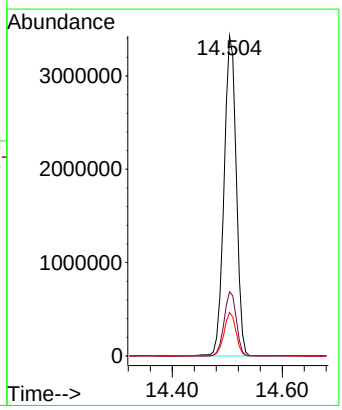


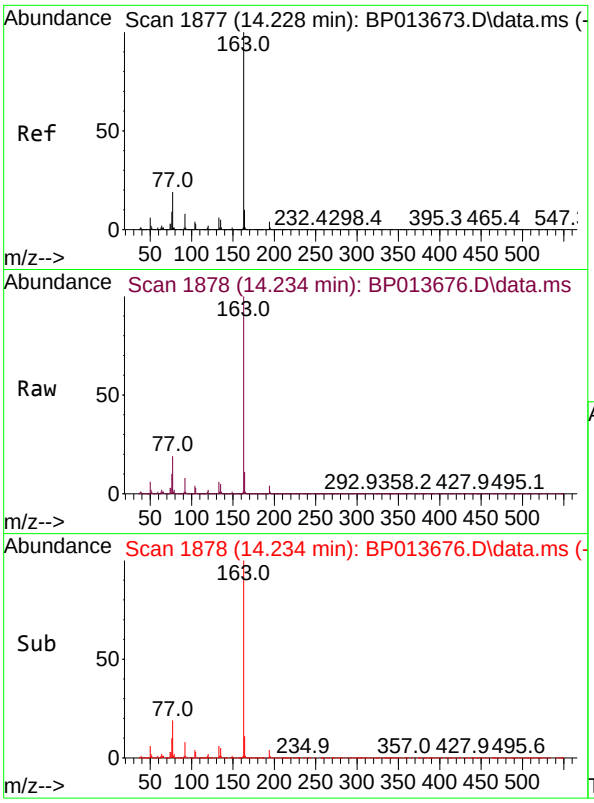


#49
Acenaphthylene
Concen: 76.963 ng
RT: 14.504 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:152 Resp: 5277528

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.6	10.4	15.6





#50
Dimethylphthalate
Concen: 77.388 ng
RT: 14.234 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

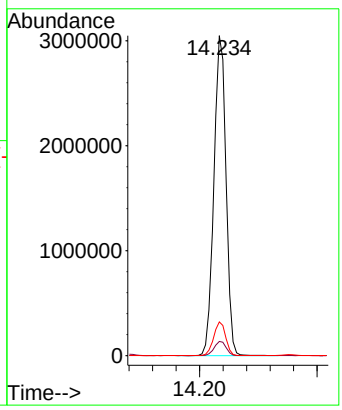
Tgt Ion:163 Resp: 435129

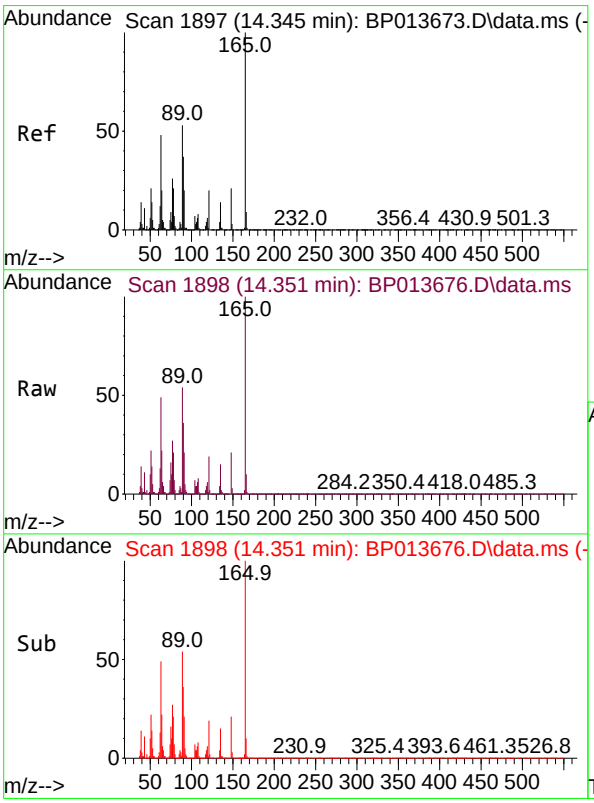
Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.5	8.4	12.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

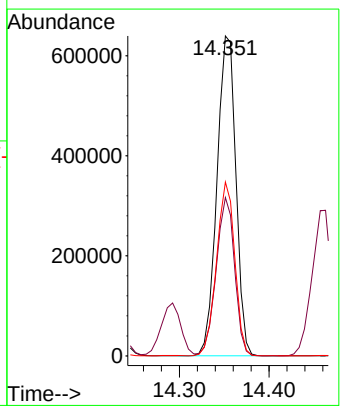


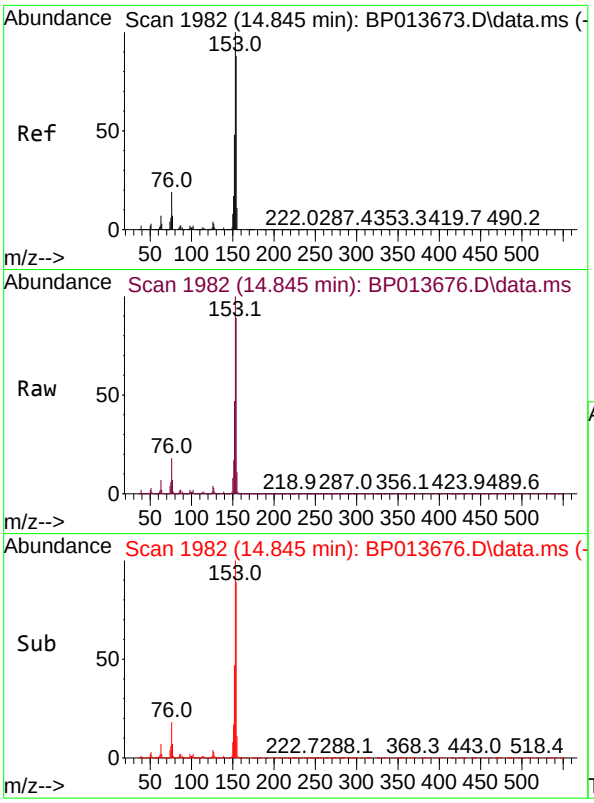


#51
2,6-Dinitrotoluene
Concen: 93.932 ng
RT: 14.351 min Scan# 1898
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:165 Resp: 943951

Ion	Ratio	Lower	Upper
165	100		
63	49.5	39.8	59.6
89	54.3	42.4	63.6

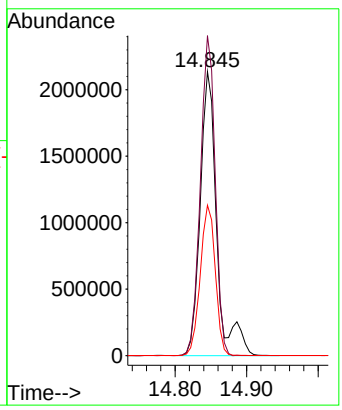




#52
Acenaphthene
Concen: 80.281 ng m
RT: 14.845 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:154 Resp: 343373

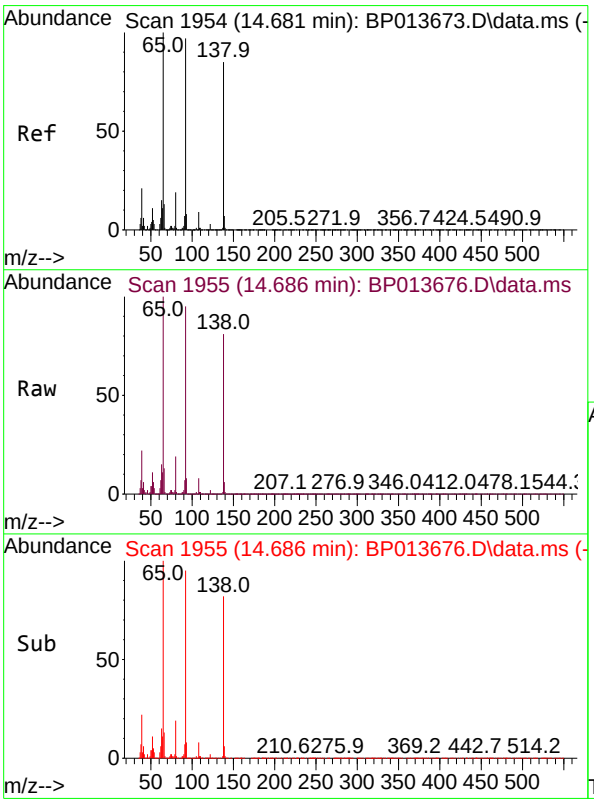
Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.6	135.8
152	52.9	43.4	65.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

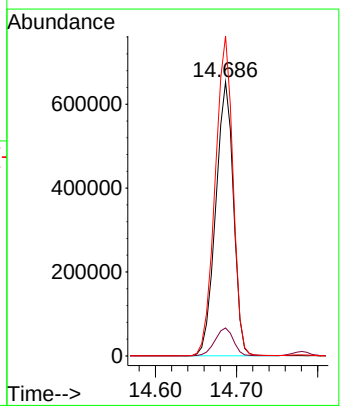
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

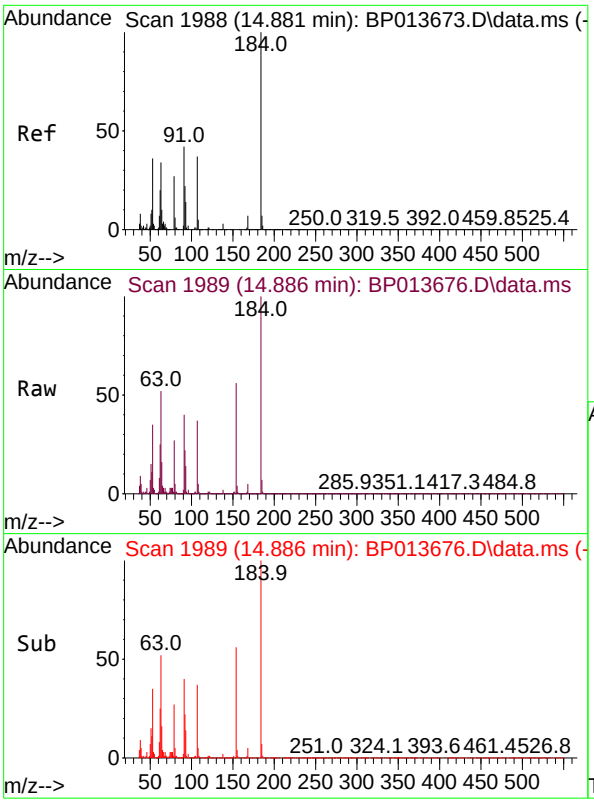


#53
3-Nitroaniline
Concen: 90.296 ng
RT: 14.686 min Scan# 1955
Delta R.T. 0.005 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:138 Resp: 989602

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.5	12.7
92	116.8	91.5	137.3

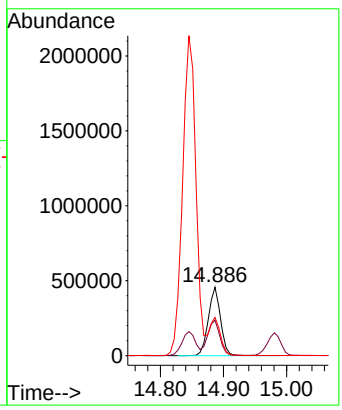




#54
2,4-Dinitrophenol
Concen: 99.955 ng
RT: 14.886 min Scan# 19
Delta R.T. 0.005 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:184 Resp: 611345

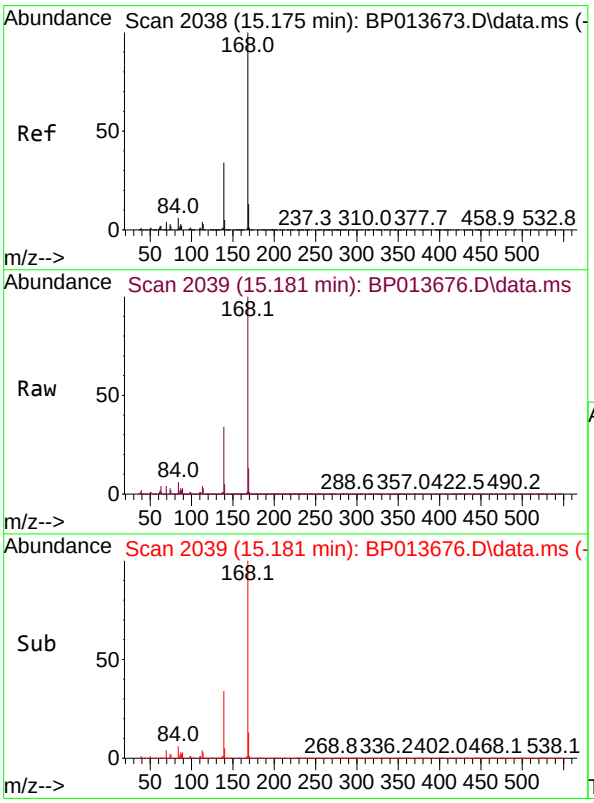
Ion	Ratio	Lower	Upper
184	100		
63	51.7	41.4	62.0
154	55.9	44.3	66.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

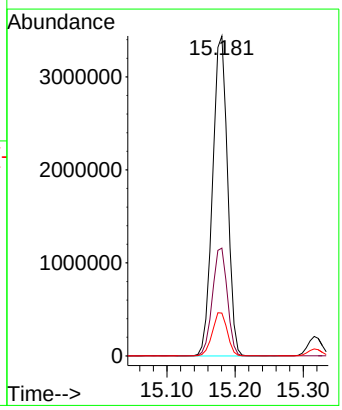
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

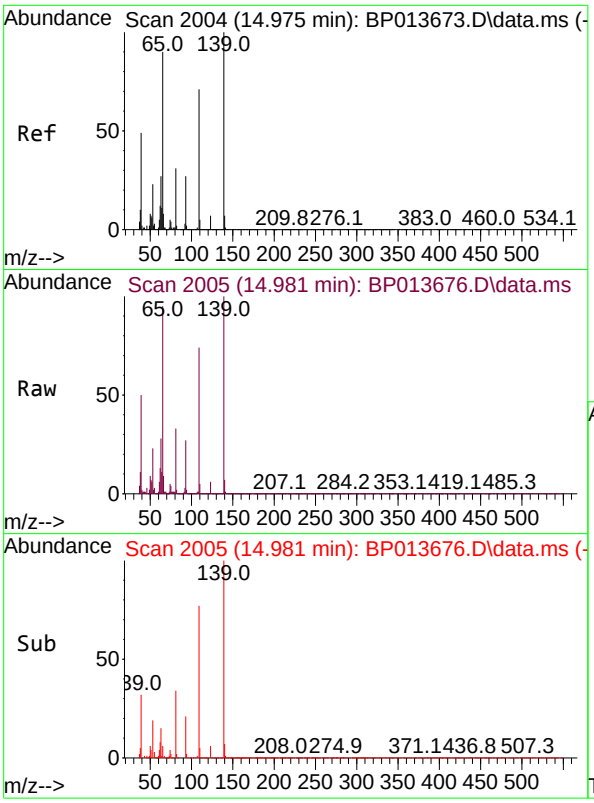


#55
Dibenzofuran
Concen: 75.293 ng
RT: 15.181 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:168 Resp: 5202038

Ion	Ratio	Lower	Upper
168	100		
139	33.7	27.4	41.2
169	13.4	10.7	16.1

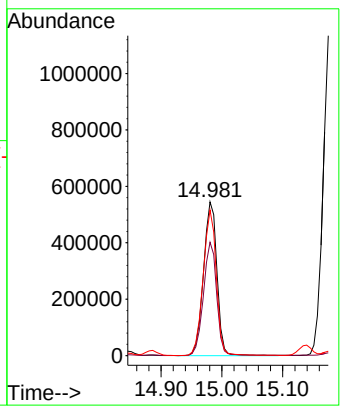




#56
4-Nitrophenol
Concen: 85.383 ng
RT: 14.981 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:139 Resp: 83237

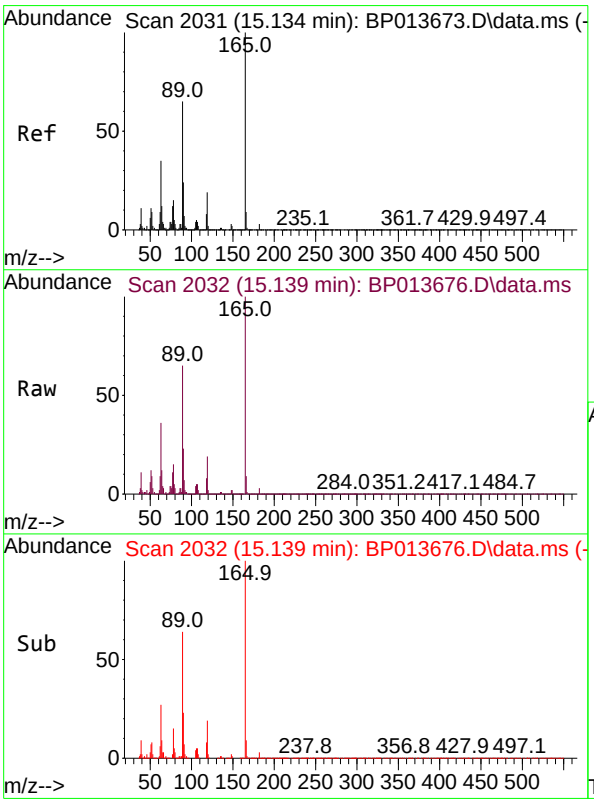
Ion	Ratio	Lower	Upper
139	100		
109	73.8	50.9	90.9
65	94.7	70.0	110.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

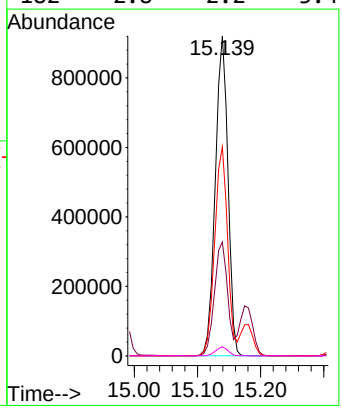
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

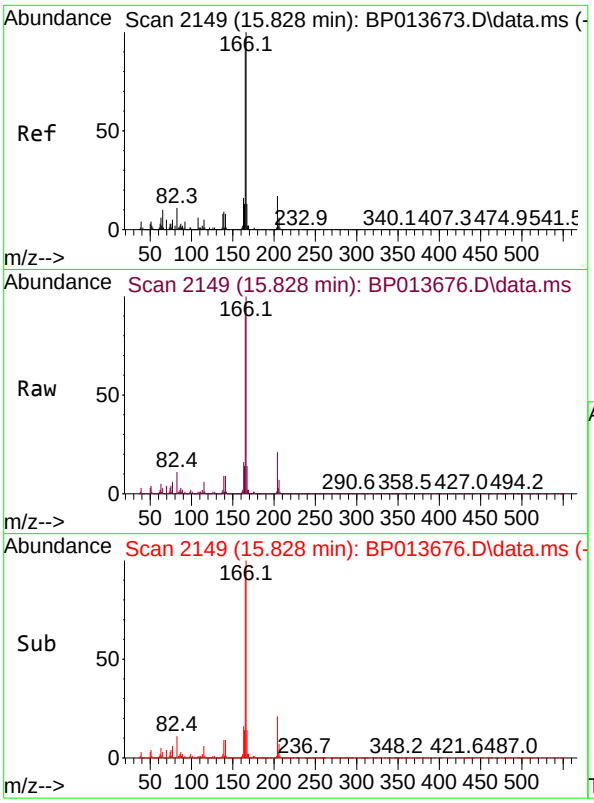


#57
2,4-Dinitrotoluene
Concen: 97.231 ng
RT: 15.139 min Scan# 2032
Delta R.T. 0.005 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:165 Resp: 1282272

Ion	Ratio	Lower	Upper
165	100		
63	35.6	28.1	42.1
89	65.3	52.0	78.0
182	2.8	2.2	3.4

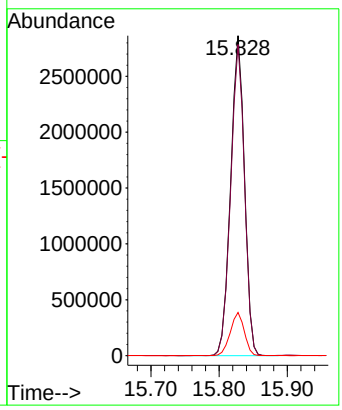




#58
Fluorene
Concen: 74.212 ng
RT: 15.828 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:166 Resp: 402555

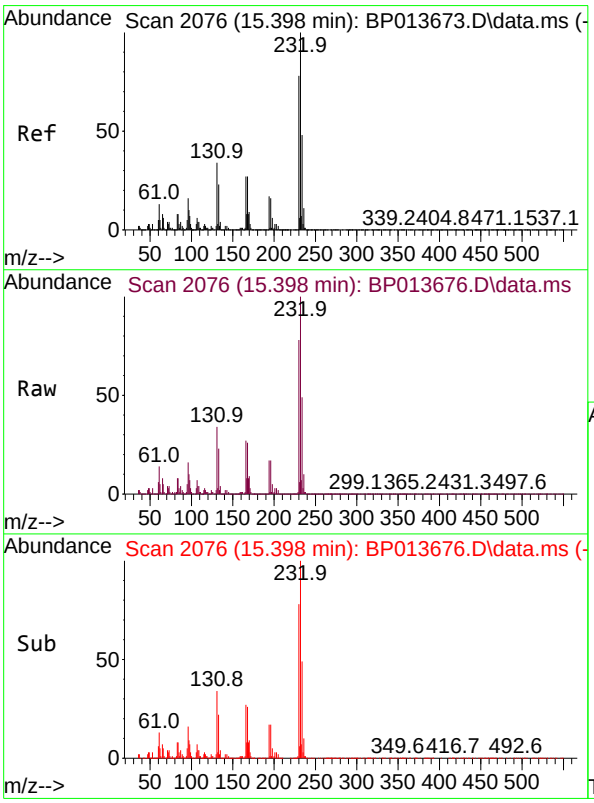
Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.6	116.4
167	13.5	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

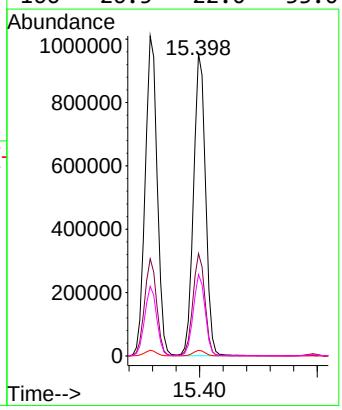
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

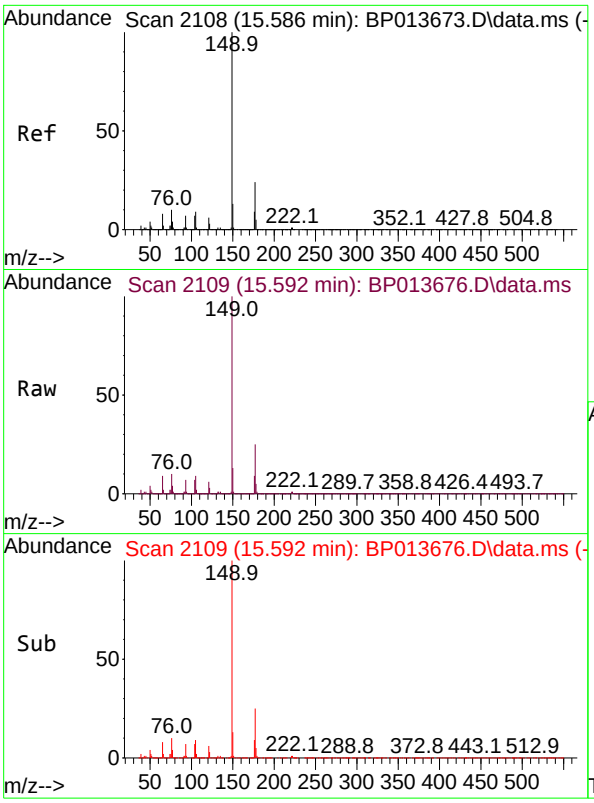


#59
2,3,4,6-Tetrachlorophenol
Concen: 81.322 ng
RT: 15.398 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:232 Resp: 1353061

Ion	Ratio	Lower	Upper
232	100		
131	33.8	27.9	41.9
130	1.8	1.4	2.0
166	26.5	22.0	33.0

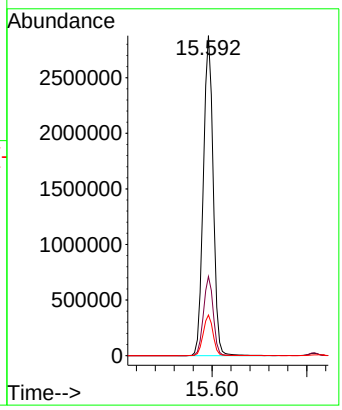




#60
Diethylphthalate
Concen: 76.873 ng
RT: 15.592 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:149 Resp: 414369

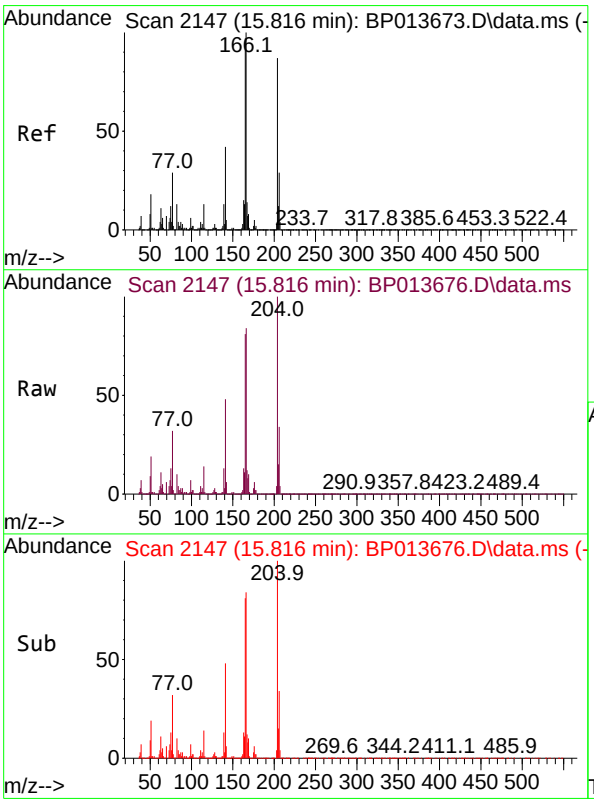
Ion	Ratio	Lower	Upper
149	100		
177	24.7	19.2	28.8
150	12.7	10.1	15.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

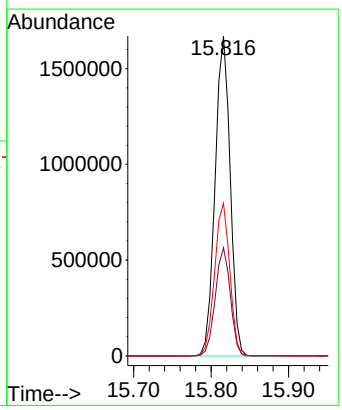
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

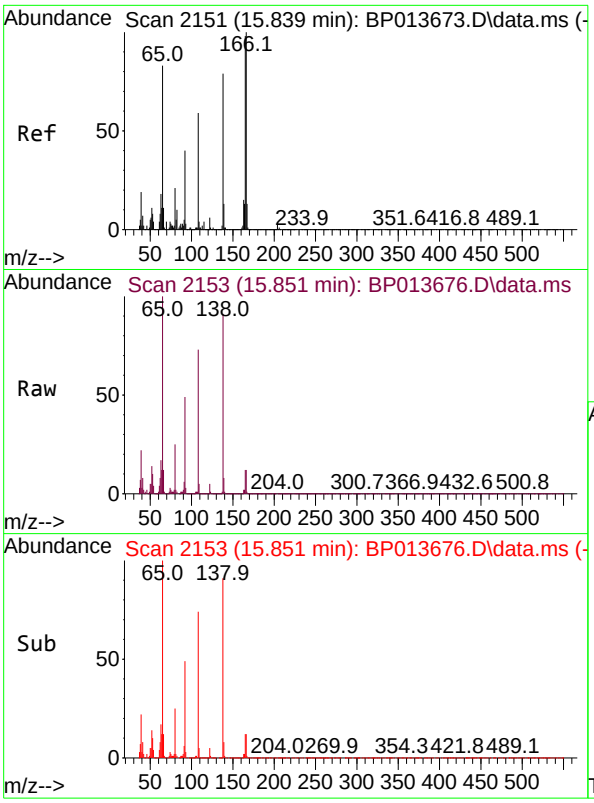


#61
4-Chlorophenyl-phenylether
Concen: 76.359 ng
RT: 15.816 min Scan# 2147
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:204 Resp: 2255594

Ion	Ratio	Lower	Upper
204	100		
206	33.8	26.6	40.0
141	47.7	38.1	57.1

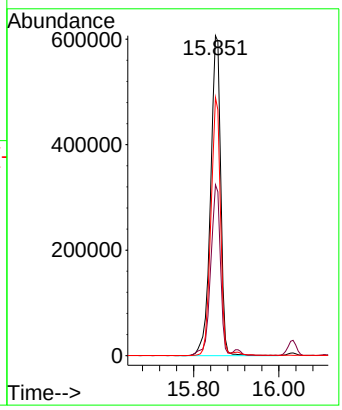




#62
4-Nitroaniline
Concen: 91.876 ng
RT: 15.851 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:138 Resp: 99996

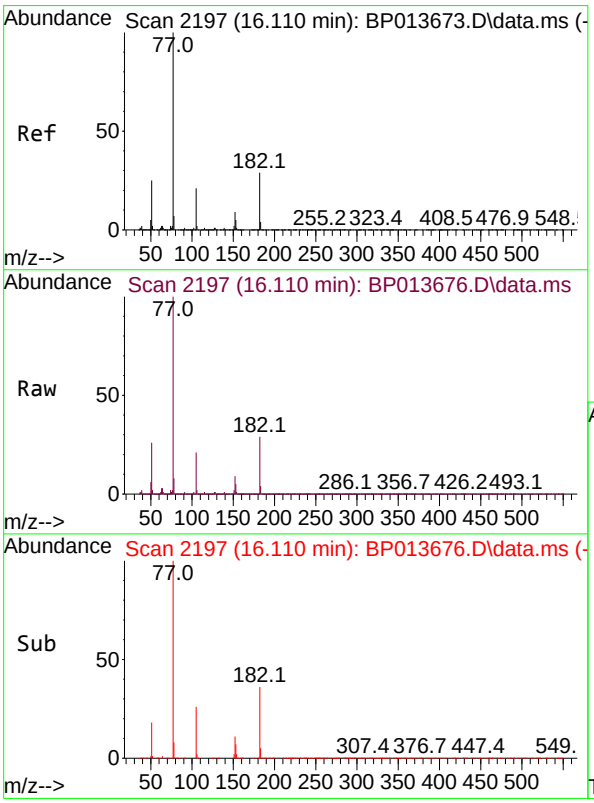
Ion	Ratio	Lower	Upper
138	100		
92	53.4	30.3	70.3
108	80.6	55.4	95.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

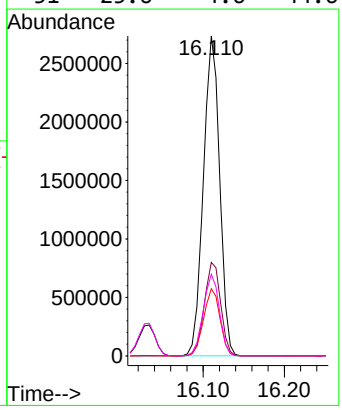
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

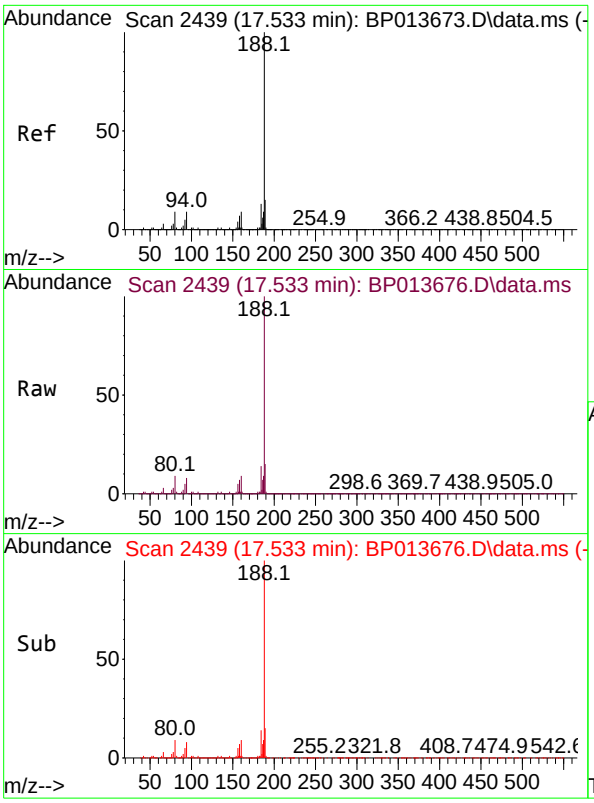


#63
Azobenzene
Concen: 76.566 ng
RT: 16.110 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion: 77 Resp: 3812417

Ion	Ratio	Lower	Upper
77	100		
182	29.2	9.3	49.3
105	21.0	1.1	41.1
51	25.6	4.6	44.6

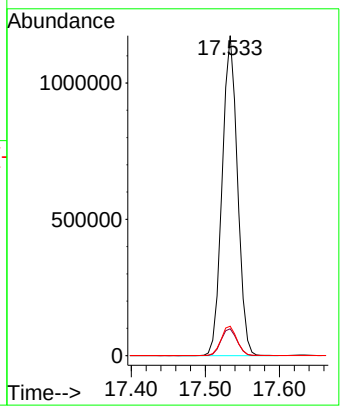




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.533 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:188 Resp: 168327

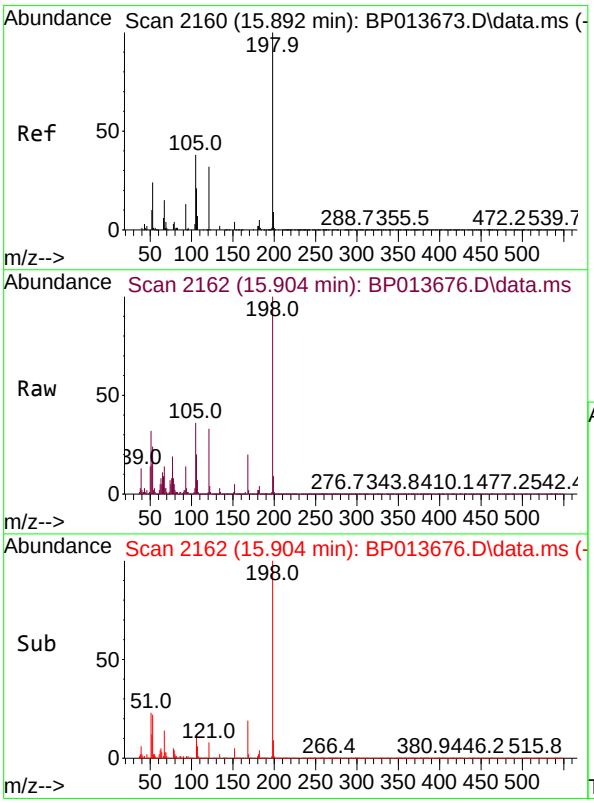
Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.9	10.3
80	9.2	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

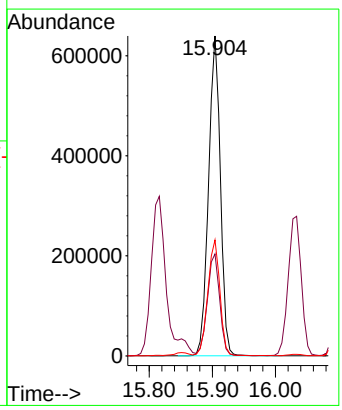
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

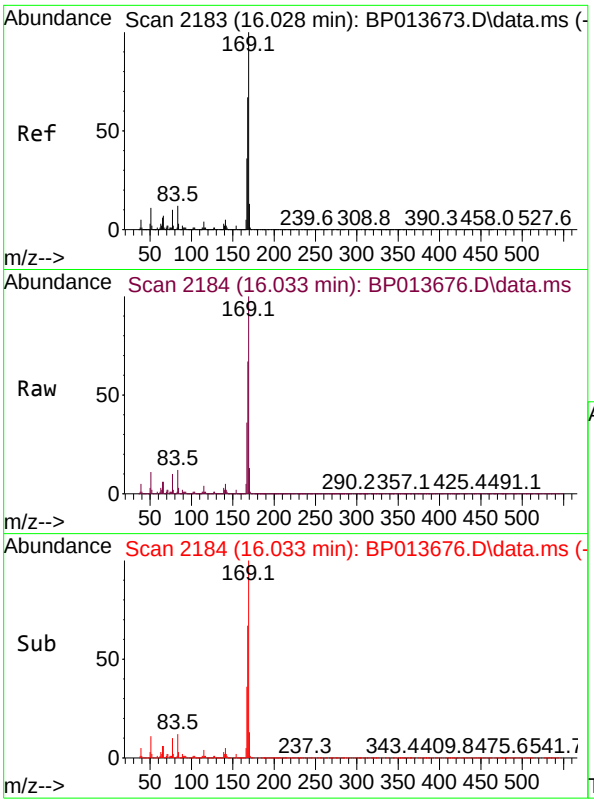


#65
4,6-Dinitro-2-methylphenol
Concen: 94.885 ng
RT: 15.904 min Scan# 2162
Delta R.T. 0.012 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:198 Resp: 832391

Ion	Ratio	Lower	Upper
198	100		
51	31.9	15.4	55.4
105	36.2	18.3	58.3

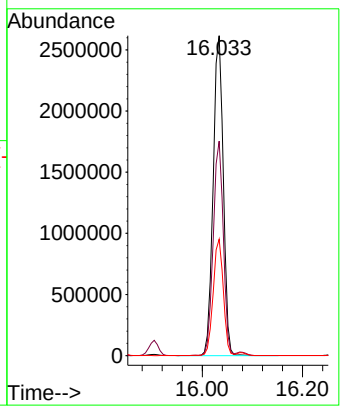




#66
n-Nitrosodiphenylamine
Concen: 74.632 ng
RT: 16.033 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:169 Resp: 365526

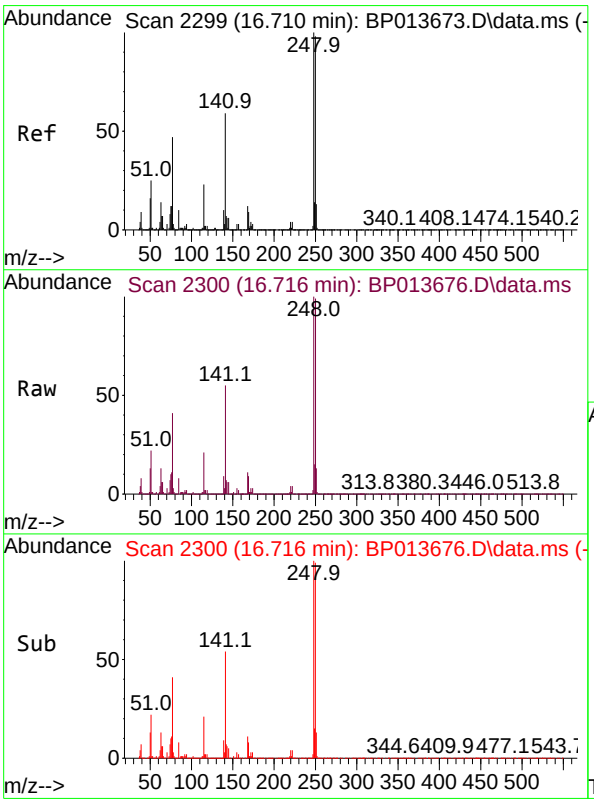
Ion	Ratio	Lower	Upper
169	100		
168	67.0	53.8	80.6
167	36.4	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

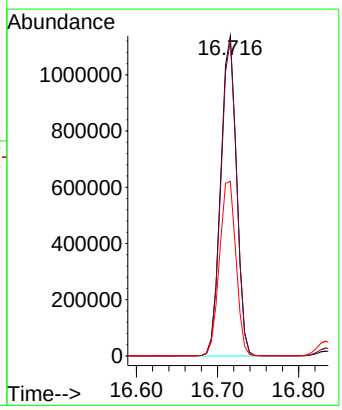
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

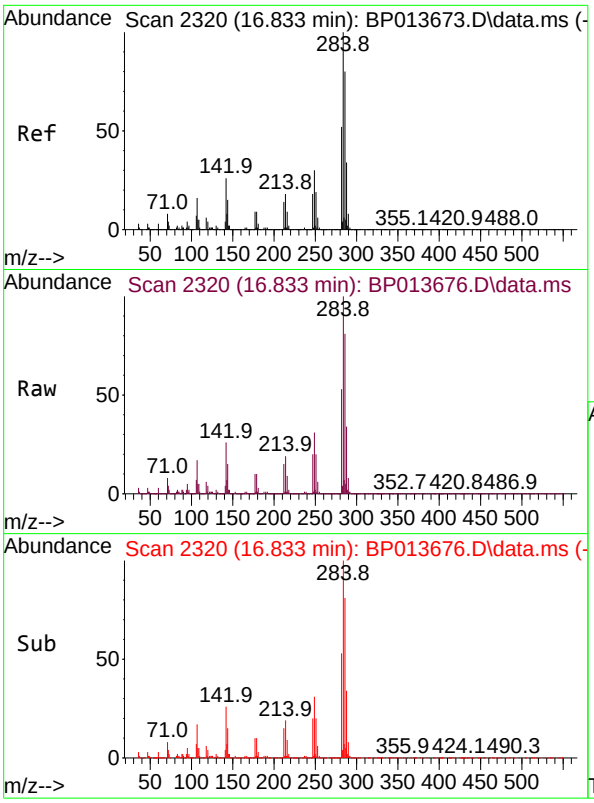


#67
4-Bromophenyl-phenylether
Concen: 79.631 ng
RT: 16.716 min Scan# 2300
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:248 Resp: 1536530

Ion	Ratio	Lower	Upper
248	100		
250	98.7	78.2	117.2
141	54.6	46.8	70.2

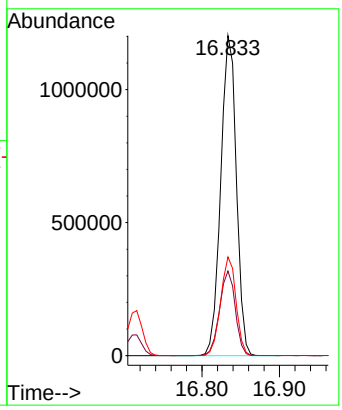




#68
Hexachlorobenzene
Concen: 78.914 ng
RT: 16.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:284 Resp: 168614

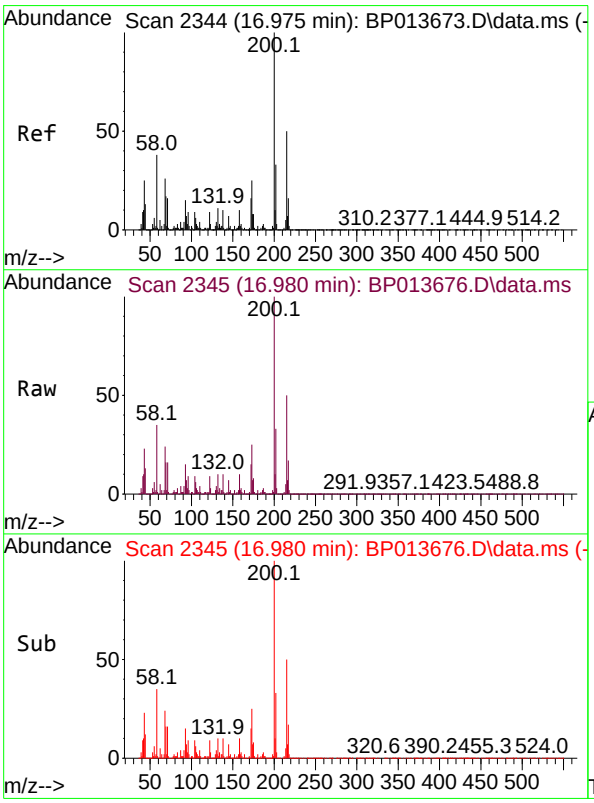
Ion	Ratio	Lower	Upper
284	100		
142	26.4	20.6	31.0
249	30.8	23.9	35.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

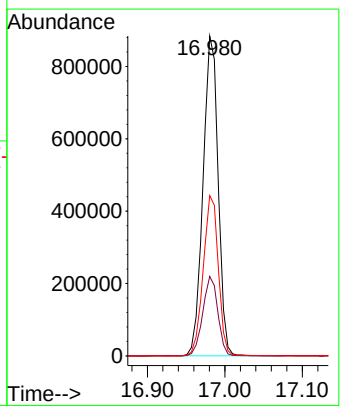
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

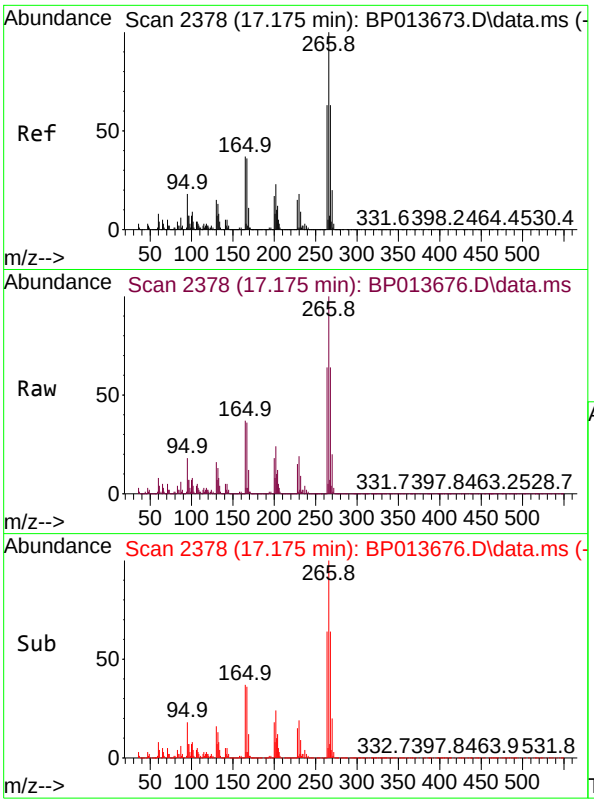


#69
Atrazine
Concen: 75.090 ng
RT: 16.980 min Scan# 2345
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:200 Resp: 1196714

Ion	Ratio	Lower	Upper
200	100		
173	24.8	5.2	45.2
215	50.1	29.8	69.8

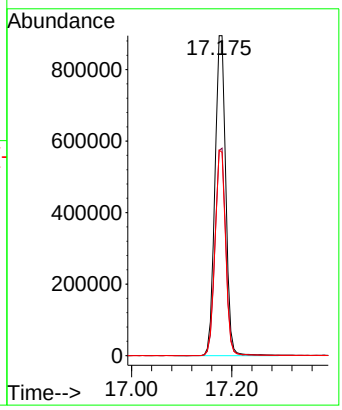




#70
Pentachlorophenol
Concen: 84.597 ng
RT: 17.175 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:266 Resp: 133334

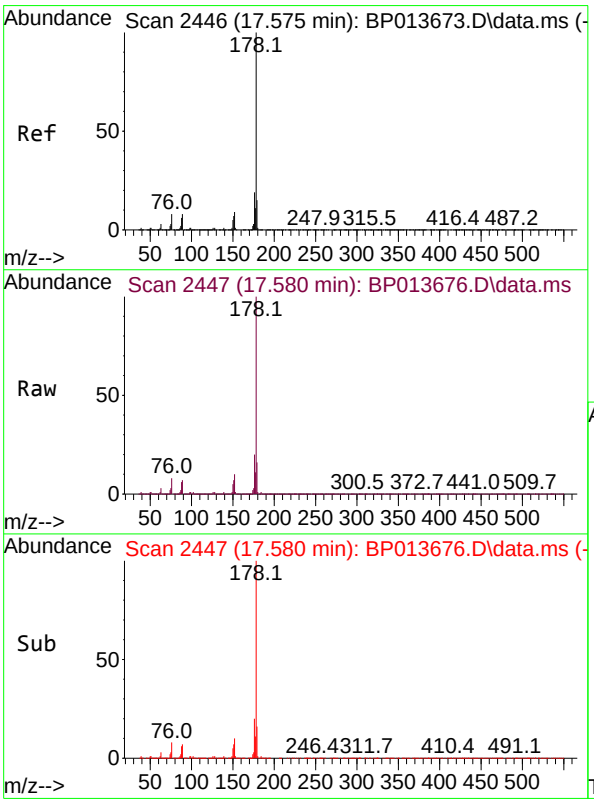
Ion	Ratio	Lower	Upper
266	100		
268	64.1	50.7	76.1
264	64.2	50.5	75.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

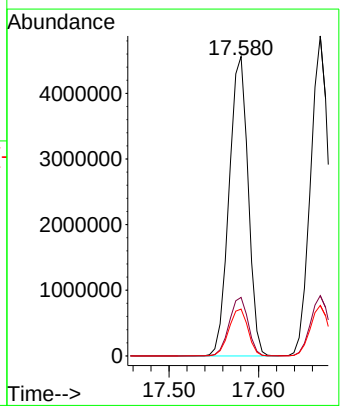
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

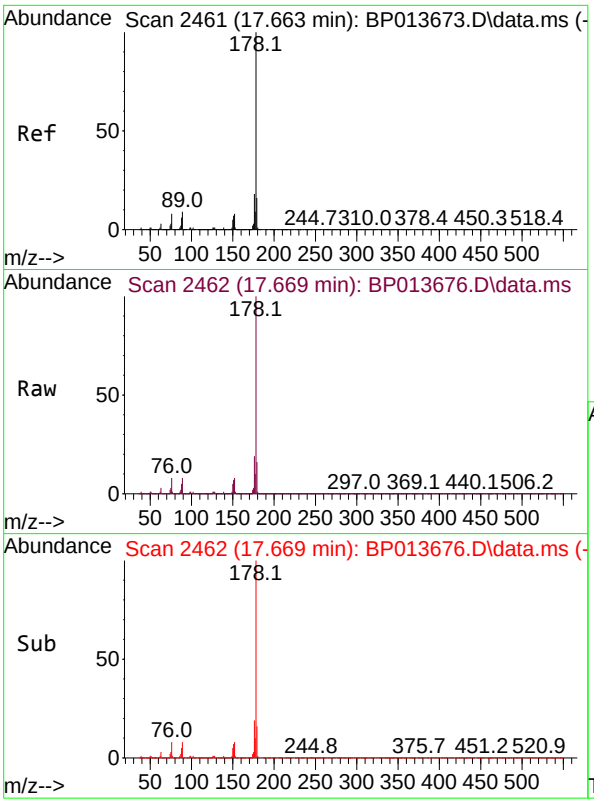


#71
Phenanthrene
Concen: 74.507 ng
RT: 17.580 min Scan# 2447
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:178 Resp: 6722307

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.6	12.2	18.2

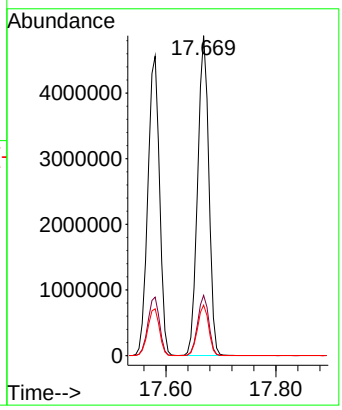




#72
Anthracene
Concen: 75.178 ng
RT: 17.669 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:178 Resp: 684766

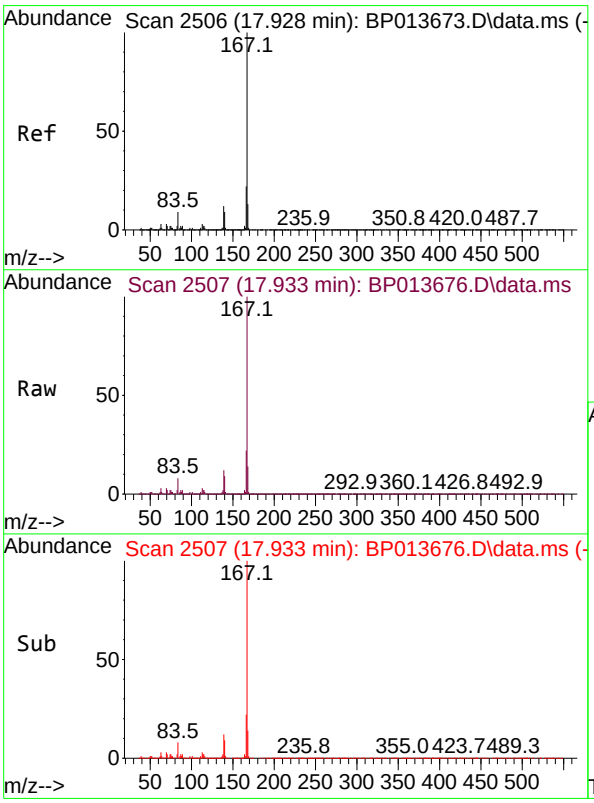
Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.8	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

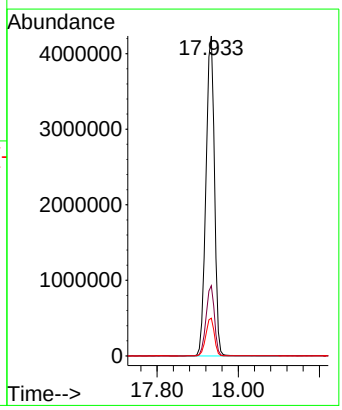
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

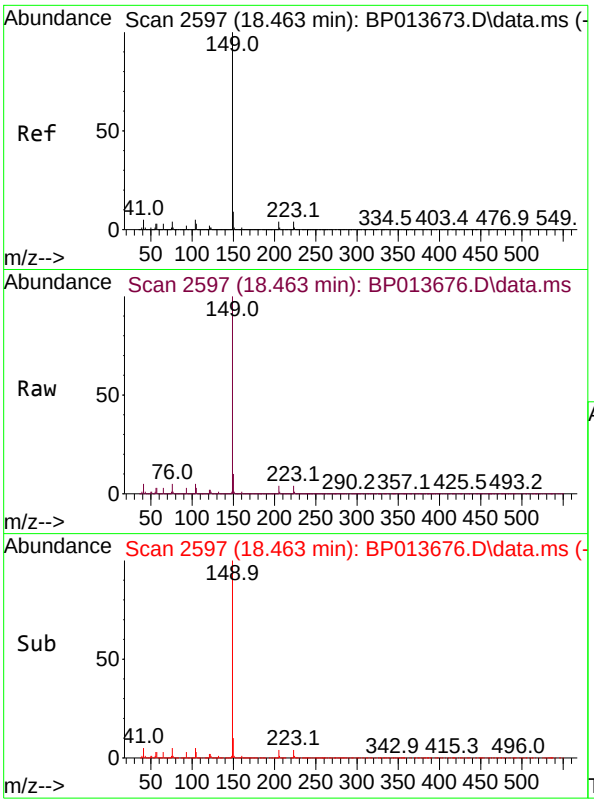


#73
Carbazole
Concen: 74.635 ng
RT: 17.933 min Scan# 2507
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:167 Resp: 6173023

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.4	26.0
139	11.8	9.5	14.3

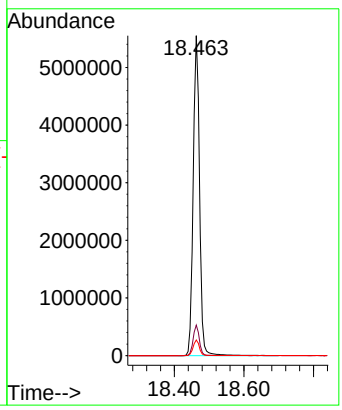




#74
Di-n-butylphthalate
Concen: 77.325 ng
RT: 18.463 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:149 Resp: 699863

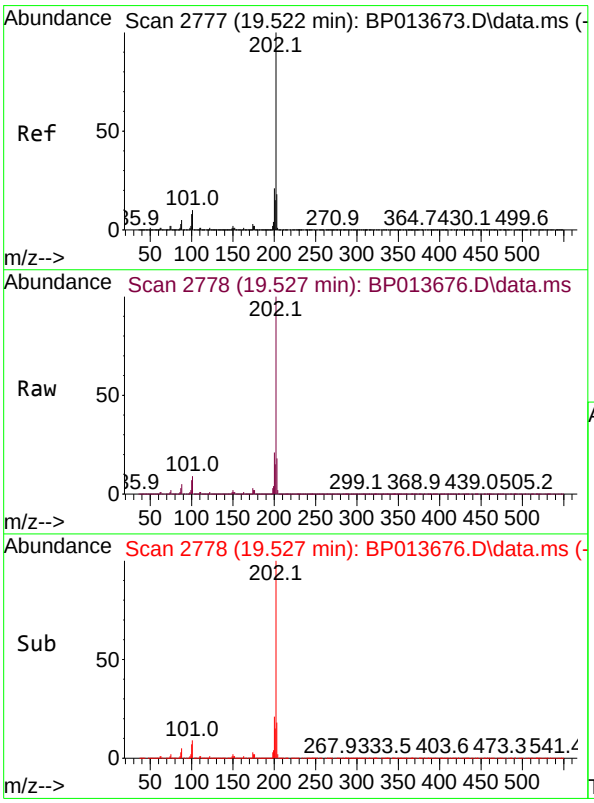
Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.0
104	4.9	3.8	5.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

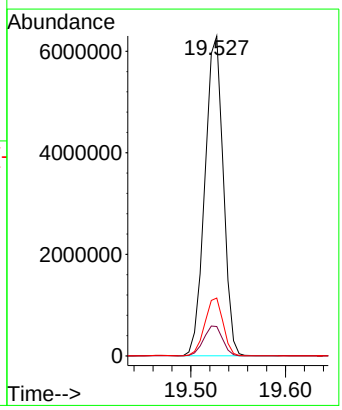
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

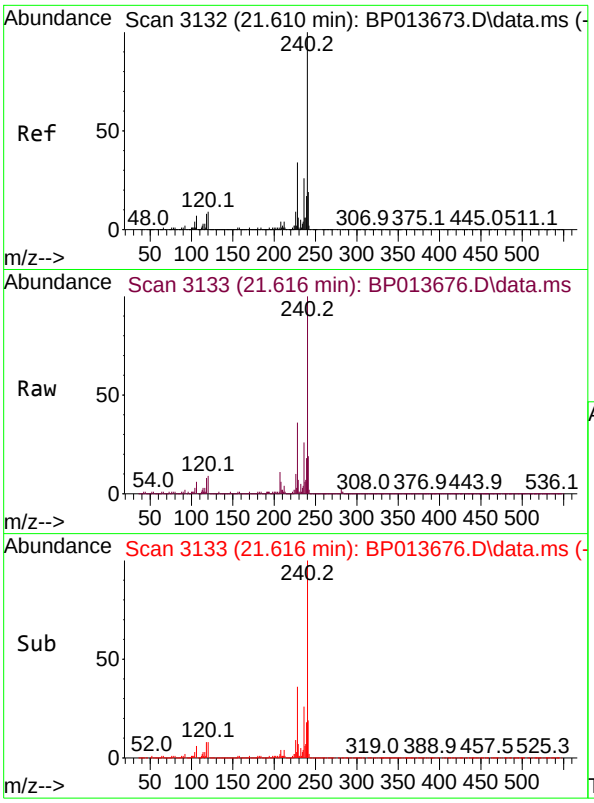


#75
Fluoranthene
Concen: 75.653 ng
RT: 19.527 min Scan# 2778
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:202 Resp: 8497632

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.2
203	18.1	0.0	37.9

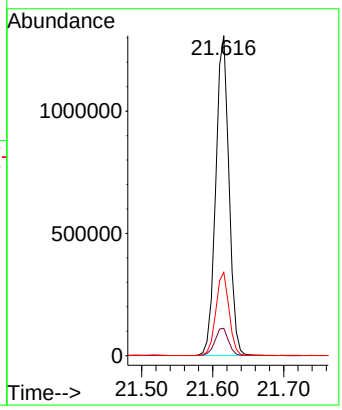




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:240 Resp: 169490

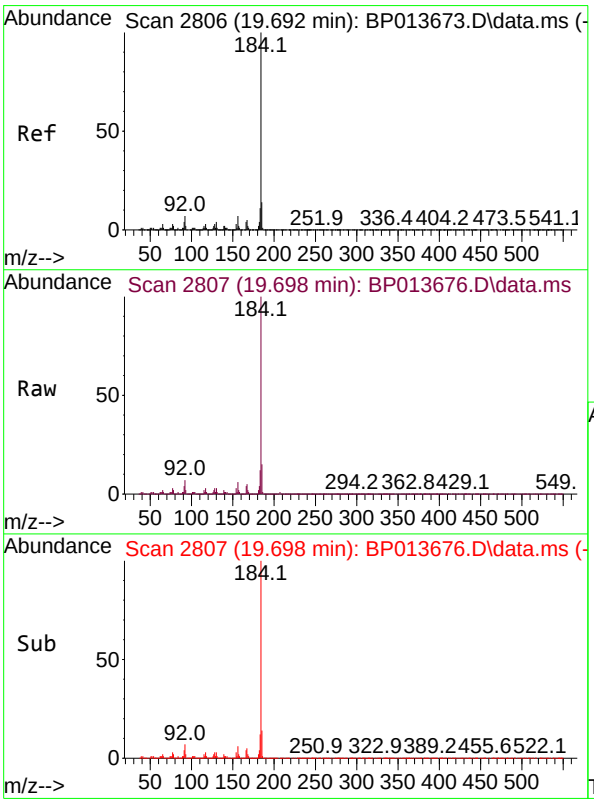
Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.4	11.0
236	26.0	20.6	30.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

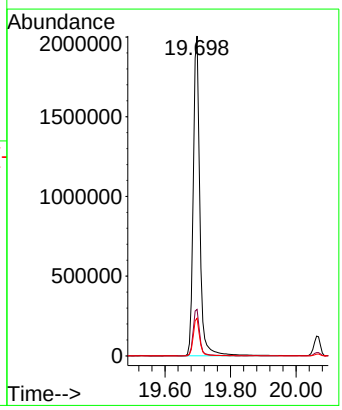
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

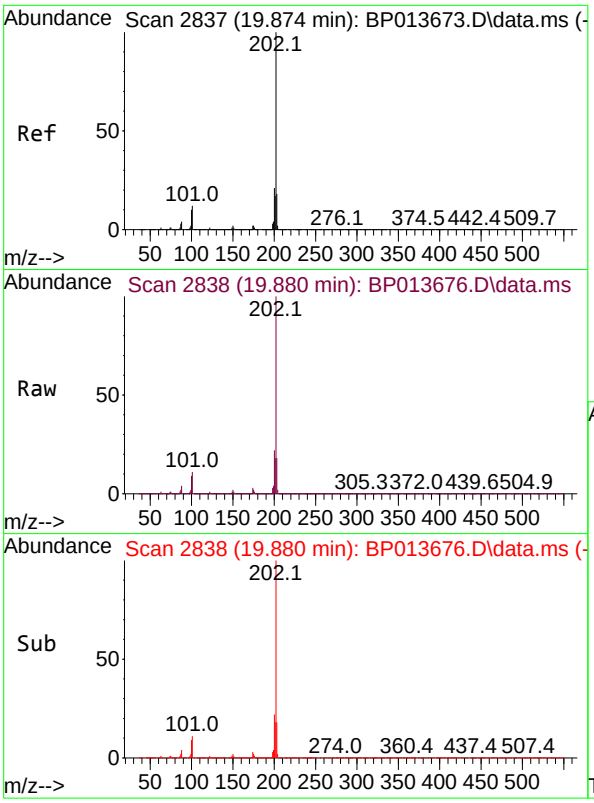


#77
Benzidine
Concen: 76.778 ng
RT: 19.698 min Scan# 2807
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:184 Resp: 2810789

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.2
183	11.8	9.2	13.8





#78
Pyrene
Concen: 76.361 ng
RT: 19.880 min Scan# 28
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

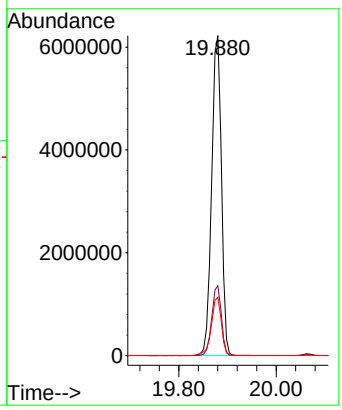
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

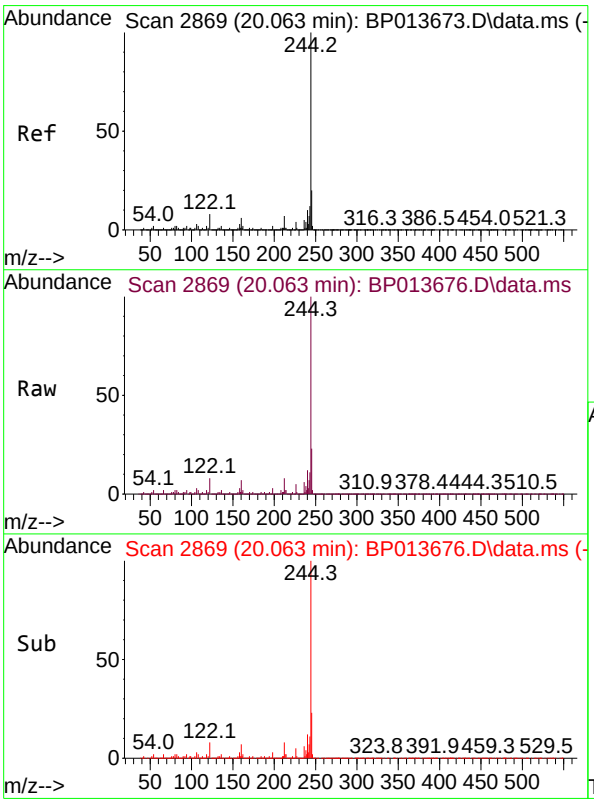
Tgt Ion:202 Resp: 870742

Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.9	25.3
203	18.2	14.0	21.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

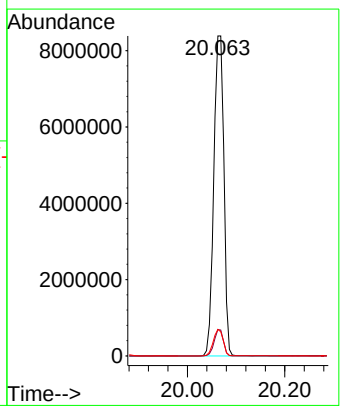


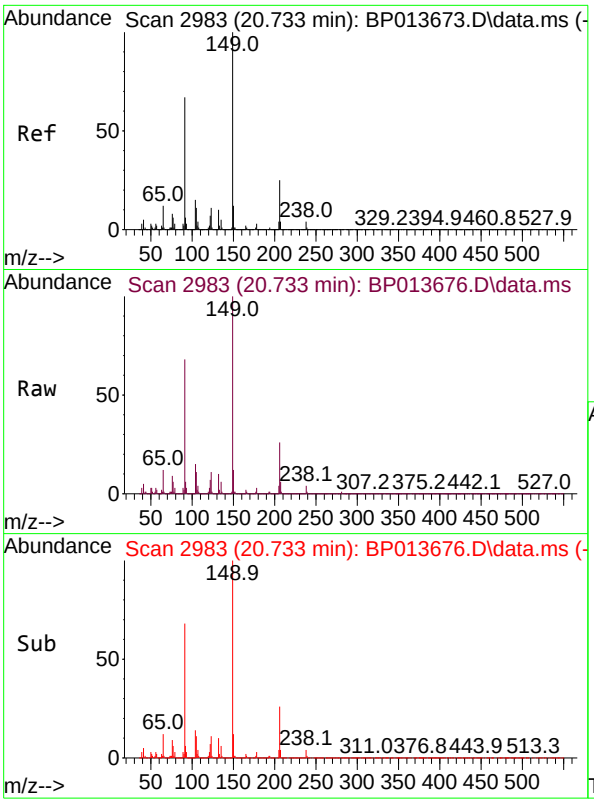


#79
Terphenyl-d14
Concen: 140.945 ng
RT: 20.063 min Scan# 2869
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:244 Resp:12030071

Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.5	8.3
122	8.3	6.5	9.7

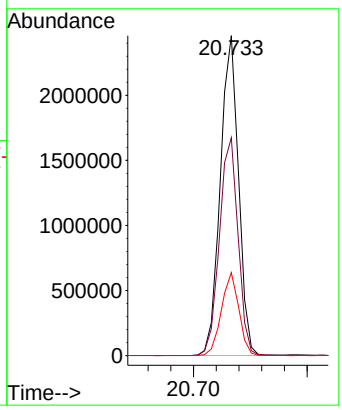




#80
Butylbenzylphthalate
Concen: 87.739 ng
RT: 20.733 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:149 Resp: 273128

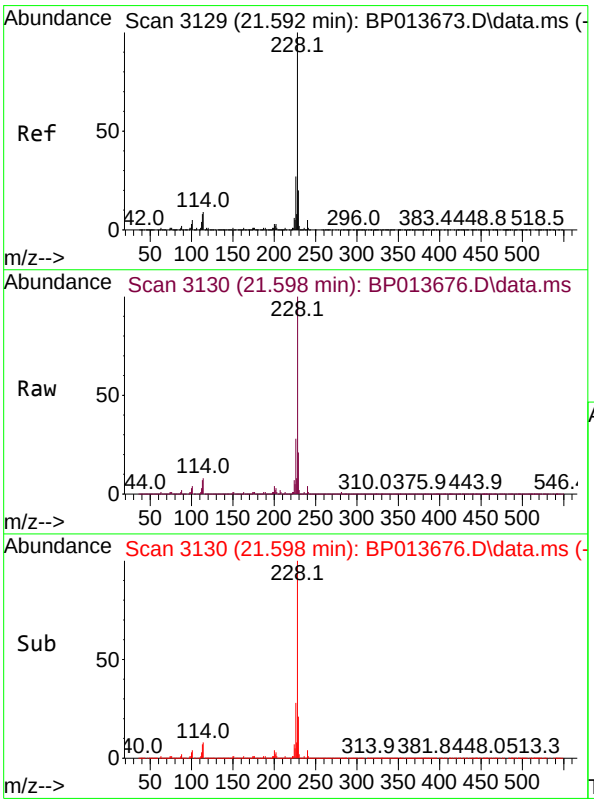
Ion	Ratio	Lower	Upper
149	100		
91	68.1	54.0	81.0
206	25.9	19.8	29.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

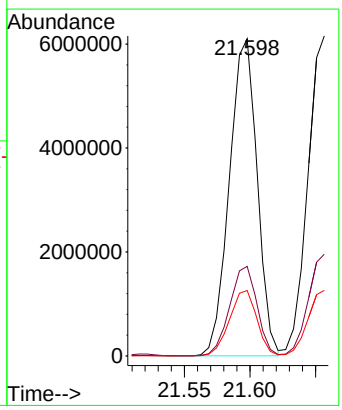
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

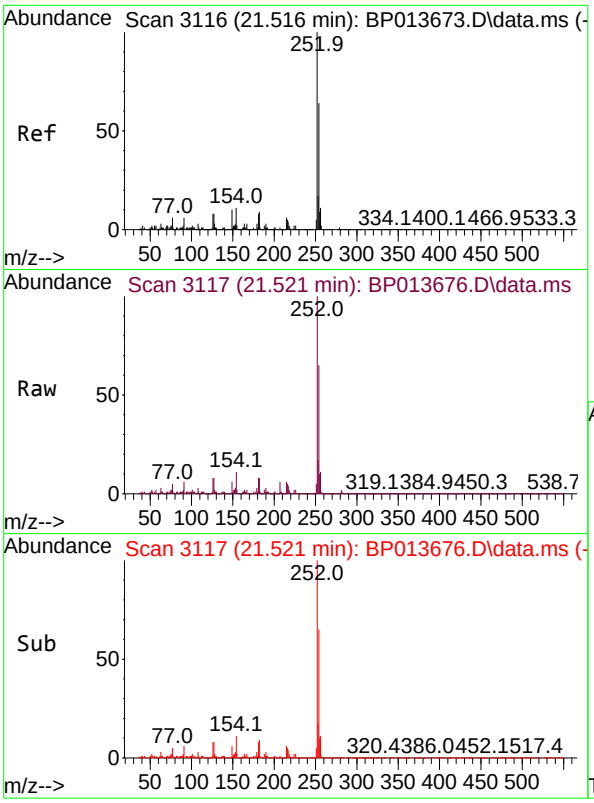


#81
Benzo(a)anthracene
Concen: 76.379 ng
RT: 21.598 min Scan# 3130
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:228 Resp: 8991728

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.9	32.9
229	20.6	16.0	24.0

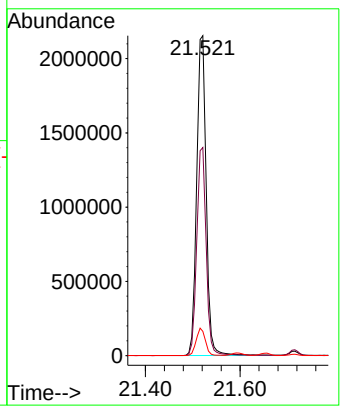




#82
3,3'-Dichlorobenzidine
Concen: 80.701 ng
RT: 21.521 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:252 Resp: 300367

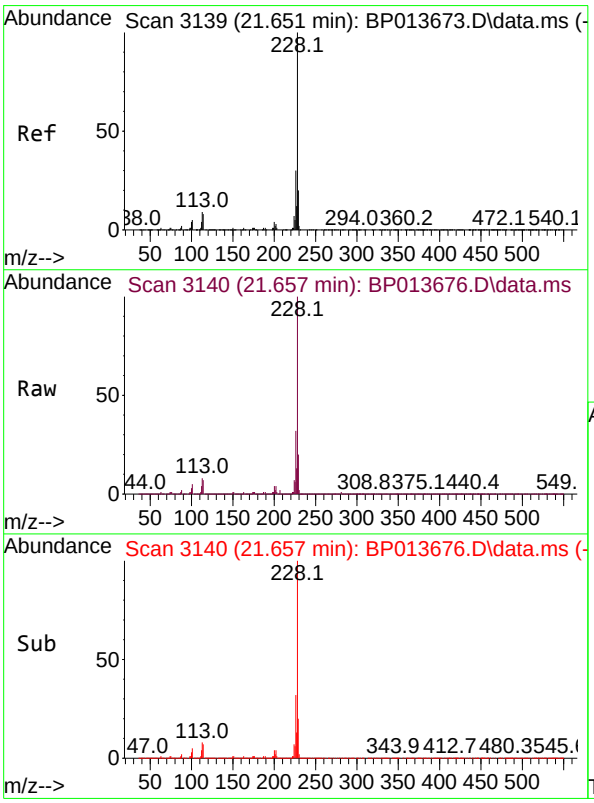
Ion	Ratio	Lower	Upper
252	100		
254	65.1	50.9	76.3
126	7.6	6.7	10.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

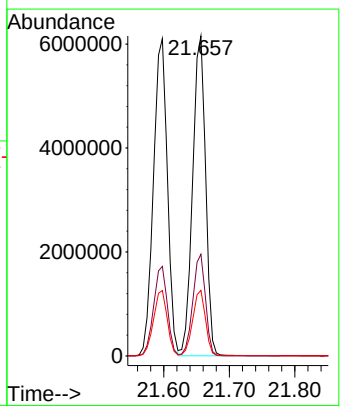
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

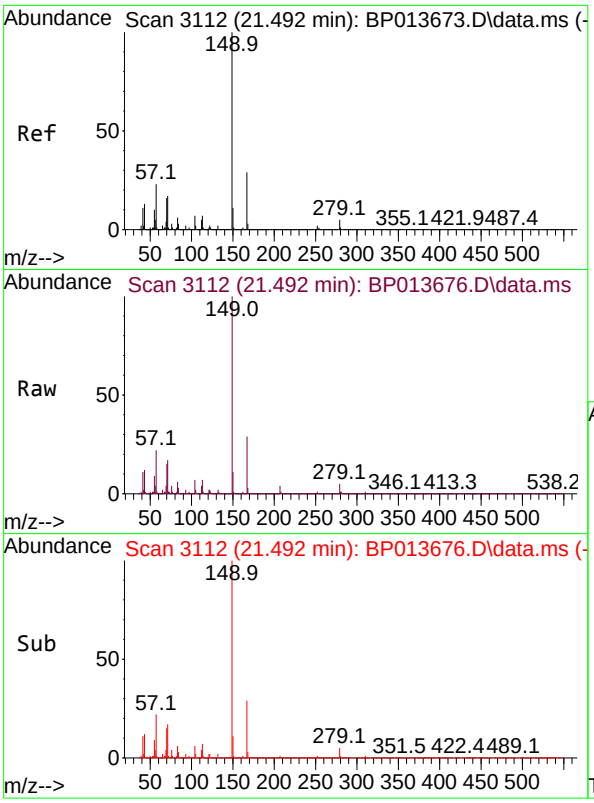


#83
Chrysene
Concen: 75.362 ng
RT: 21.657 min Scan# 3140
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:228 Resp: 8452800

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.1	36.1
229	20.5	15.8	23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 82.821 ng
RT: 21.492 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

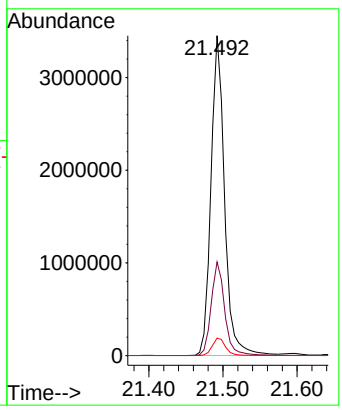
Tgt Ion:149 Resp: 438979

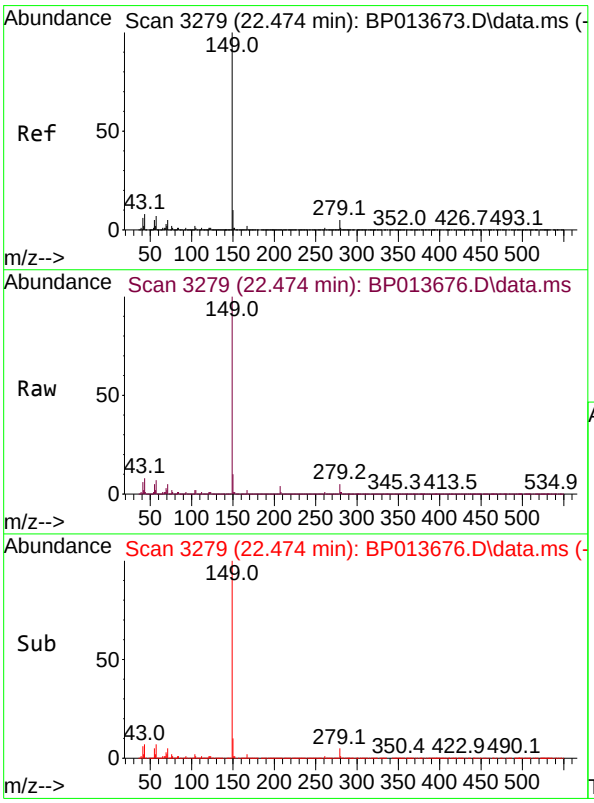
Ion	Ratio	Lower	Upper
149	100		
167	29.3	23.0	34.6
279	5.5	3.9	5.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

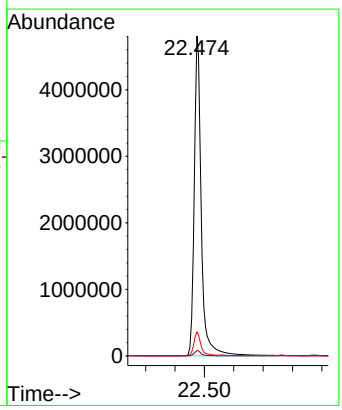


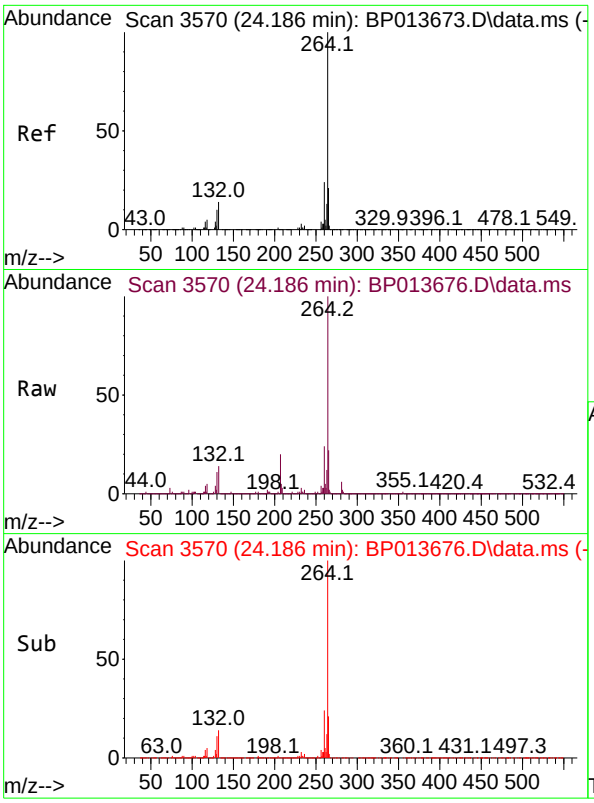


#85
Di-n-octyl phthalate
Concen: 82.636 ng
RT: 22.474 min Scan# 3279
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:149 Resp: 7998084

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	7.5	6.3	9.5

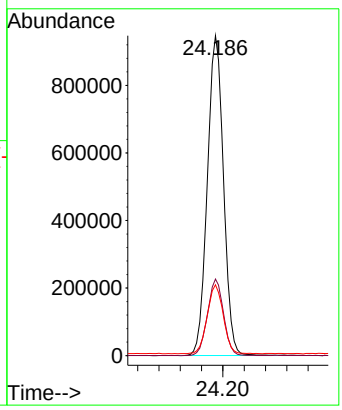




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.186 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:264 Resp: 199632

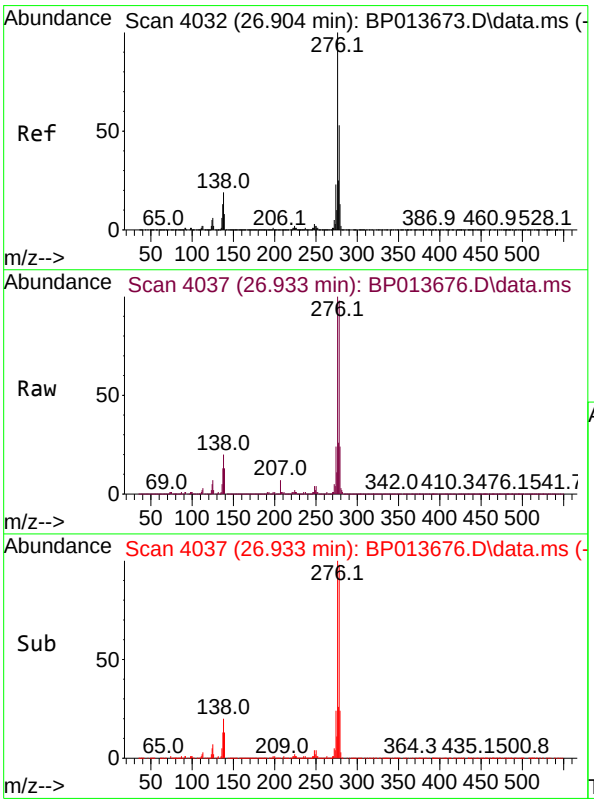
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	22.1	17.4	26.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

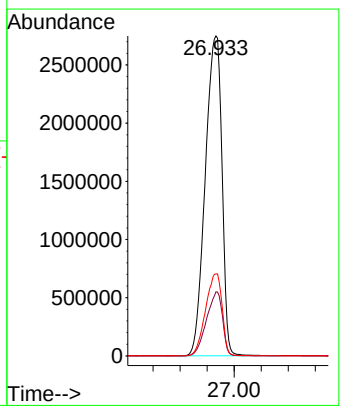
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

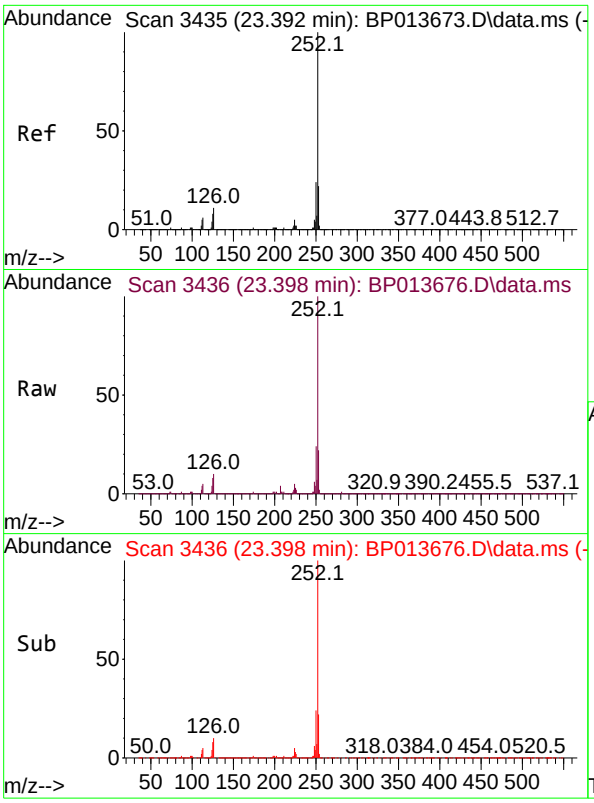


#87
Indeno(1,2,3-cd)pyrene
Concen: 77.653 ng
RT: 26.933 min Scan# 4037
Delta R.T. 0.029 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:276 Resp:11789503

Ion	Ratio	Lower	Upper
276	100		
138	19.3	16.5	24.7
277	25.5	20.2	30.2





#88
Benzo(b)fluoranthene
Concen: 77.542 ng
RT: 23.398 min Scan# 34
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

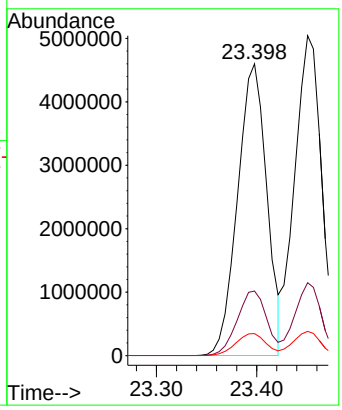
Tgt Ion:252 Resp: 930379

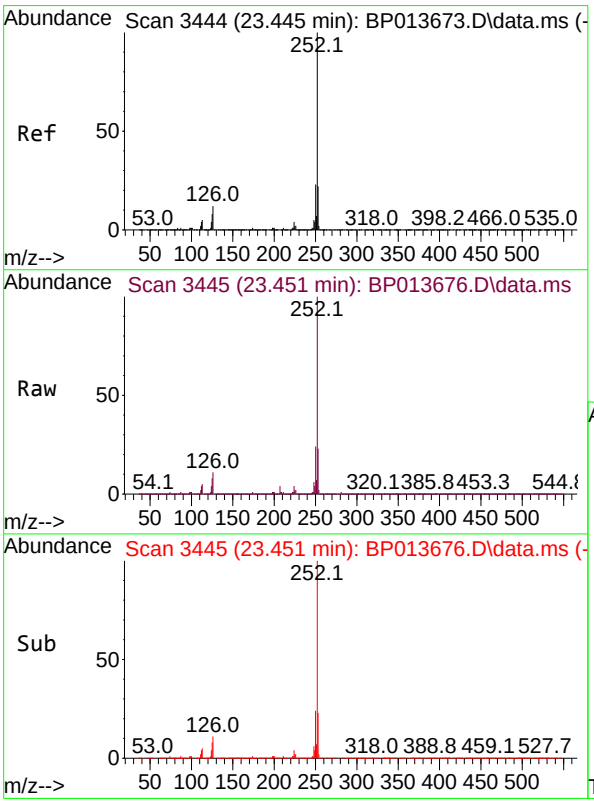
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	7.6	6.8	10.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

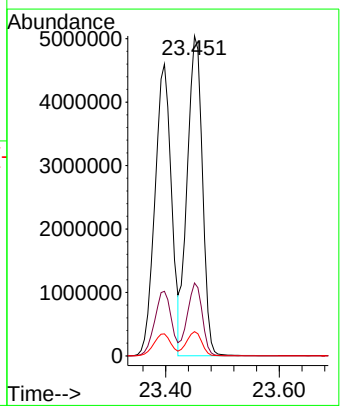


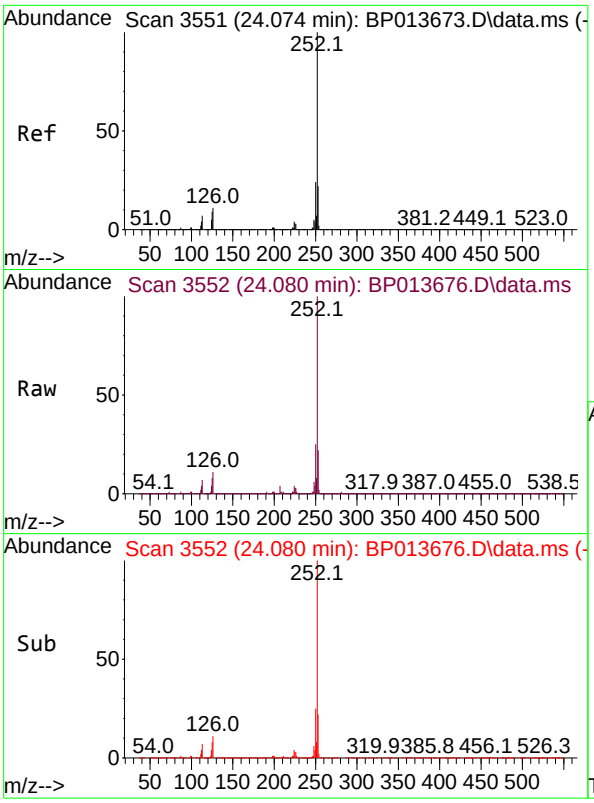


#89
Benzo(k)fluoranthene
Concen: 78.022 ng
RT: 23.451 min Scan# 3445
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:252 Resp: 9376557

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	7.6	6.3	9.5

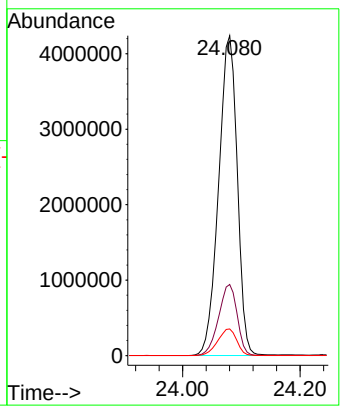




#90
Benzo(a)pyrene
Concen: 78.287 ng
RT: 24.080 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:252 Resp: 932398

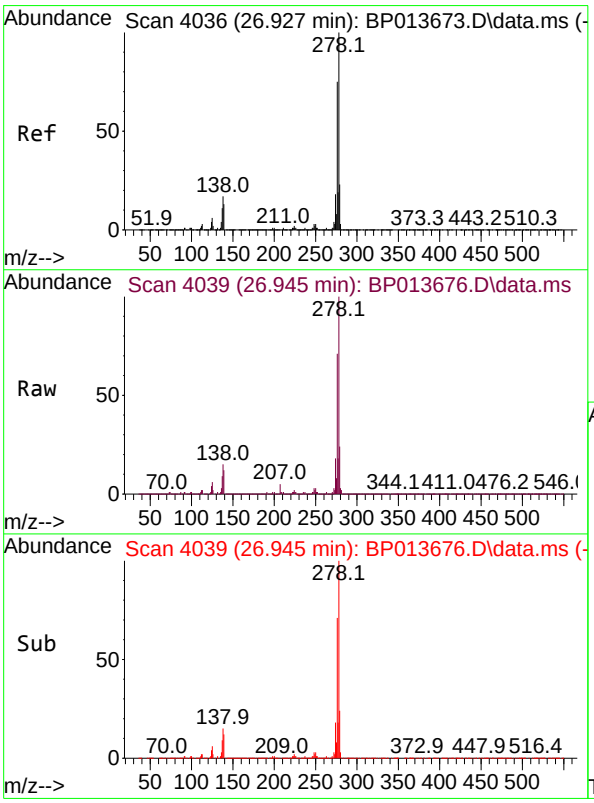
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	8.3	7.0	10.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

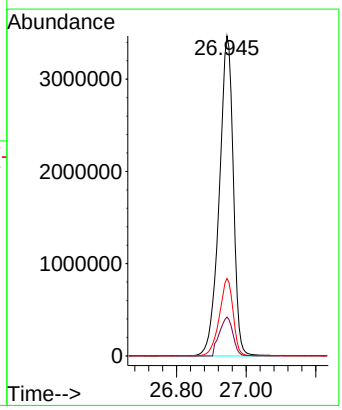
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

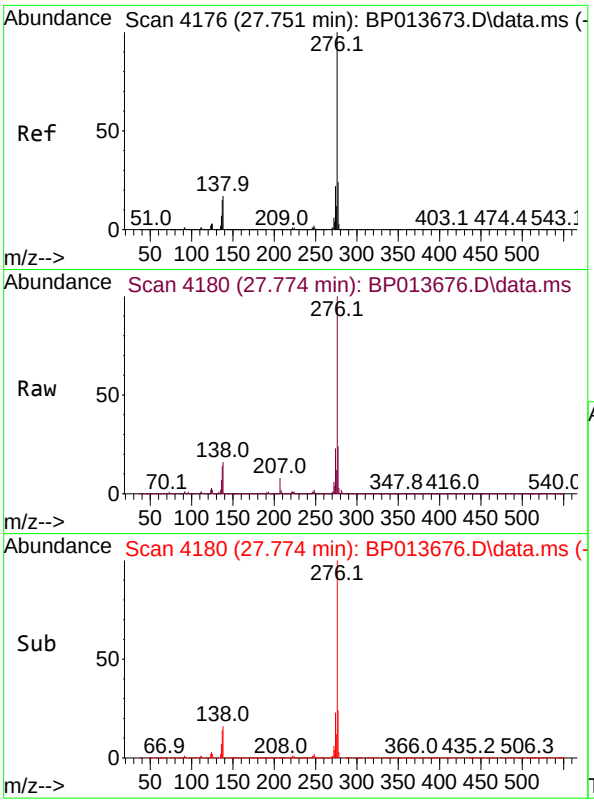


#91
Dibenzo(a,h)anthracene
Concen: 77.019 ng
RT: 26.945 min Scan# 4039
Delta R.T. 0.018 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:278 Resp: 9706093

Ion	Ratio	Lower	Upper
278	100		
139	12.1	10.6	16.0
279	24.2	18.8	28.2

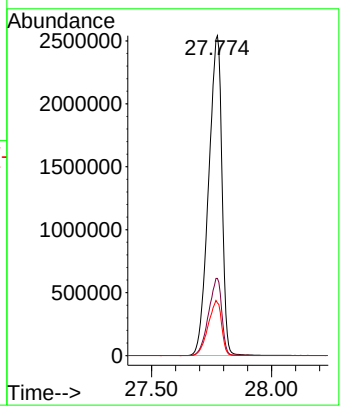




#92
Benzo(g,h,i)perylene
Concen: 77.890 ng
RT: 27.774 min Scan# 41
Delta R.T. 0.023 min
Lab File: BP013676.D
Acq: 31 Jan 2023 15:56

Tgt Ion:276 Resp: 974911

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	16.5	14.0	21.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013677.D
Acq On : 31 Jan 2023 17:04
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

Quant Time: Feb 01 04:11:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 03:43:48 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.140	152	208996	20.000	ng		0.00
21) Naphthalene-d8	10.969	136	778424	20.000	ng		0.00
39) Acenaphthene-d10	14.775	164	521017	20.000	ng		0.00
64) Phenanthrene-d10	17.528	188	1221175	20.000	ng		0.00
76) Chrysene-d12	21.610	240	1287651	20.000	ng		0.00
86) Perylene-d12	24.180	264	1499661	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.669	112	1010653	82.665	ng		0.00
7) Phenol-d6	7.287	99	1324179	81.298	ng		0.00
23) Nitrobenzene-d5	9.316	82	1155711	86.363	ng		0.00
42) 2,4,6-Tribromophenol	16.263	330	660087	84.468	ng		0.00
45) 2-Fluorobiphenyl	13.404	172	3011263	80.872	ng		0.00
79) Terphenyl-d14	20.057	244	5325714	82.130	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.517	88	206769	39.976	ng		99
3) Pyridine	3.934	79	591967	39.749	ng		98
4) n-Nitrosodimethylamine	3.834	42	213995	40.075	ng		97
6) Aniline	7.458	93	872925	41.110	ng		99
8) 2-Chlorophenol	7.699	128	524365	40.739	ng		99
9) Benzaldehyde	7.269	77	357593	42.434	ng		99
10) Phenol	7.316	94	691006	40.611	ng		99
11) bis(2-Chloroethyl)ether	7.552	93	541580	39.845	ng		99
12) 1,3-Dichlorobenzene	8.028	146	587363	40.511	ng		99
13) 1,4-Dichlorobenzene	8.175	146	596648	40.671	ng		100
14) 1,2-Dichlorobenzene	8.499	146	575668	41.009	ng		100
15) Benzyl Alcohol	8.381	79	483342	41.907	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.675	45	645151	40.641	ng		99
17) 2-Methylphenol	8.581	107	494013	41.432	ng		98
18) Hexachloroethane	9.234	117	197668	40.863	ng		96
19) n-Nitroso-di-n-propyla...	8.952	70	430421	42.119	ng		98
20) 3+4-Methylphenols	8.911	107	677606	41.657	ng		98
22) Acetophenone	8.969	105	831010	40.938	ng	#	99
24) Nitrobenzene	9.358	77	618536	42.614	ng		99
25) Isophorone	9.887	82	1203148	40.564	ng		99
26) 2-Nitrophenol	10.075	139	260166	39.244	ng		99
27) 2,4-Dimethylphenol	10.122	122	487328	40.713	ng		98
28) bis(2-Chloroethoxy)met...	10.363	93	707500	39.798	ng		99
29) 2,4-Dichlorophenol	10.610	162	536721	41.196	ng		99
30) 1,2,4-Trichlorobenzene	10.828	180	594262	41.108	ng		99
31) Naphthalene	11.022	128	1631599	39.863	ng		100
32) Benzoic acid	10.246	122	371544	39.559	ng		98
33) 4-Chloroaniline	11.122	127	733184	40.768	ng		99
34) Hexachlorobutadiene	11.304	225	368081	40.111	ng		98
35) Caprolactam	11.910	113	172075	40.217	ng		98
36) 4-Chloro-3-methylphenol	12.234	107	550213	40.148	ng		98
37) 2-Methylnaphthalene	12.616	142	1230602	39.987	ng		99
38) 1-Methylnaphthalene	12.834	142	1148180	39.717	ng		100
40) 1,2,4,5-Tetrachloroben...	12.975	216	724310	40.720	ng		100
41) Hexachlorocyclopentadiene	12.957	237	337986	41.631	ng		97
43) 2,4,6-Trichlorophenol	13.210	196	478690	40.869	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013677.D
Acq On : 31 Jan 2023 17:04
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 01 04:11:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 03:43:48 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.281	196	567879	41.409	ng	98
46) 1,1'-Biphenyl	13.610	154	1595269	40.461	ng	99
47) 2-Chloronaphthalene	13.657	162	1243081	40.788	ng	99
48) 2-Nitroaniline	13.857	65	292897	39.177	ng	99
49) Acenaphthylene	14.498	152	1999269	40.679	ng	99
50) Dimethylphthalate	14.228	163	1634098	40.549	ng	99
51) 2,6-Dinitrotoluene	14.345	165	327798	40.124	ng	98
52) Acenaphthene	14.840	154	1285541m	40.629	ng	
53) 3-Nitroaniline	14.675	138	349724	40.284	ng	98
54) 2,4-Dinitrophenol	14.881	184	186304	38.845	ng	99
55) Dibenzofuran	15.175	168	2004576	40.481	ng	99
56) 4-Nitrophenol	14.969	139	300789	43.049	ng	98
57) 2,4-Dinitrotoluene	15.128	165	431307	39.598	ng	96
58) Fluorene	15.822	166	1571613	40.424	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.398	232	497757	41.741	ng	99
60) Diethylphthalate	15.587	149	1565452	40.521	ng	100
61) 4-Chlorophenyl-phenyle...	15.810	204	859697	40.607	ng	99
62) 4-Nitroaniline	15.840	138	356714	40.916	ng	96
63) Azobenzene	16.104	77	1456316	40.807	ng	99
65) 4,6-Dinitro-2-methylph...	15.892	198	265540	38.788	ng	98
66) n-Nitrosodiphenylamine	16.028	169	1416115	39.855	ng	99
67) 4-Bromophenyl-phenylether	16.710	248	567471	40.538	ng	97
68) Hexachlorobenzene	16.828	284	625521	40.353	ng	98
69) Atrazine	16.975	200	500670	43.303	ng	99
70) Pentachlorophenol	17.175	266	490533	42.900	ng	99
71) Phenanthrene	17.575	178	2636321	40.277	ng	100
72) Anthracene	17.663	178	2691430	40.729	ng	99
73) Carbazole	17.928	167	2434005	40.564	ng	99
74) Di-n-butylphthalate	18.457	149	2689433	40.958	ng	100
75) Fluoranthene	19.522	202	3340151	40.989	ng	99
77) Benzidine	19.692	184	1149993	41.348	ng	99
78) Pyrene	19.875	202	3471767	40.075	ng	100
80) Butylbenzylphthalate	20.728	149	990780	41.894	ng	98
81) Benzo(a)anthracene	21.592	228	3619980	40.474	ng	100
82) 3,3'-Dichlorobenzidine	21.510	252	1179403	41.710	ng	99
83) Chrysene	21.645	228	3434120	40.301	ng	100
84) Bis(2-ethylhexyl)phtha...	21.492	149	1633985	40.578	ng	99
85) Di-n-octyl phthalate	22.474	149	2979654	40.522	ng	100
87) Indeno(1,2,3-cd)pyrene	26.904	276	4609234	40.414	ng	100
88) Benzo(b)fluoranthene	23.392	252	3697076	41.018	ng	99
89) Benzo(k)fluoranthene	23.439	252	3669271	40.644	ng	100
90) Benzo(a)pyrene	24.069	252	3605440	40.298	ng	99
91) Dibenzo(a,h)anthracene	26.921	278	3846340	40.629	ng	99
92) Benzo(g,h,i)perylene	27.745	276	3797406	40.387	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

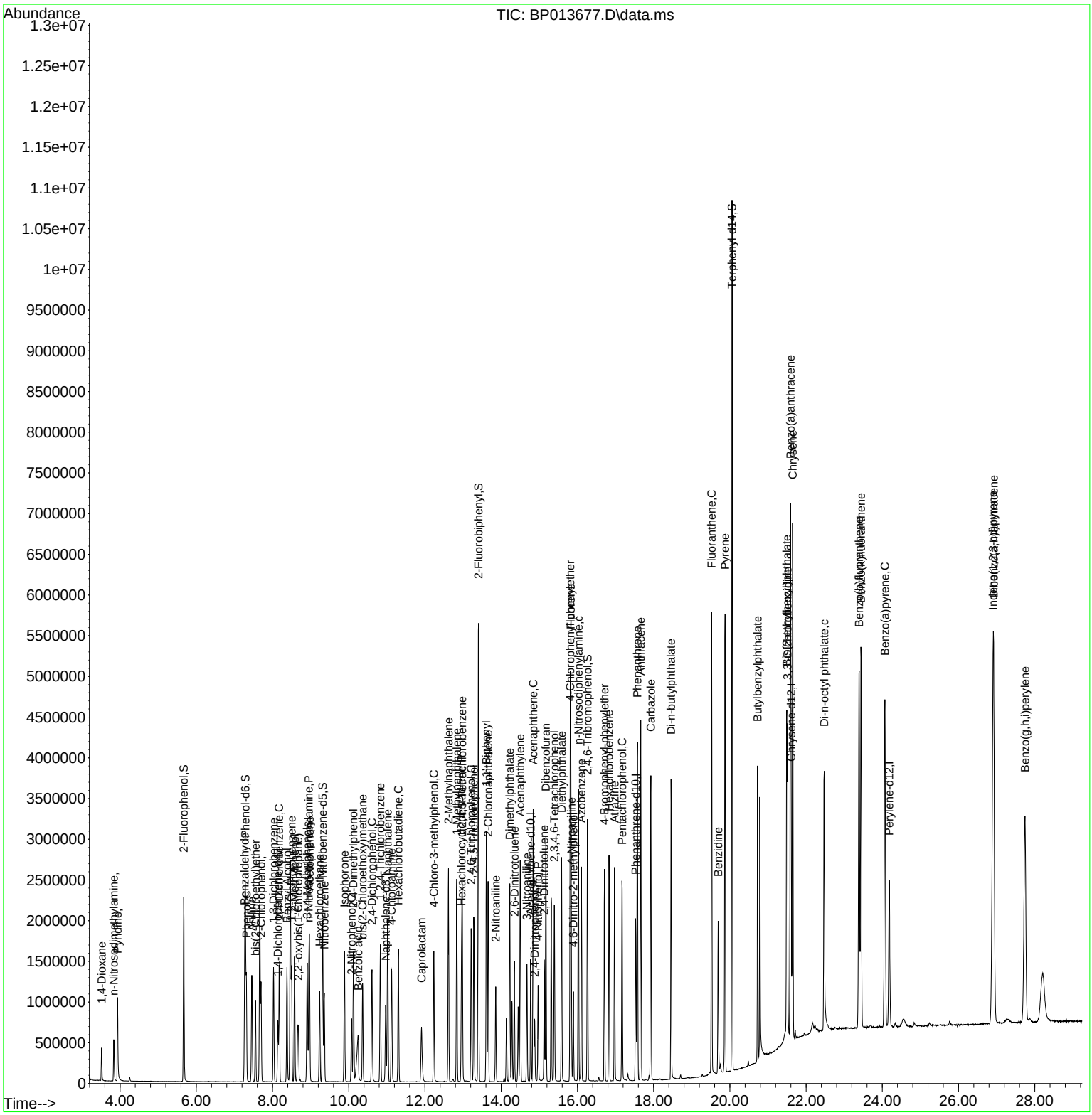
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013677.D
Acq On : 31 Jan 2023 17:04
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

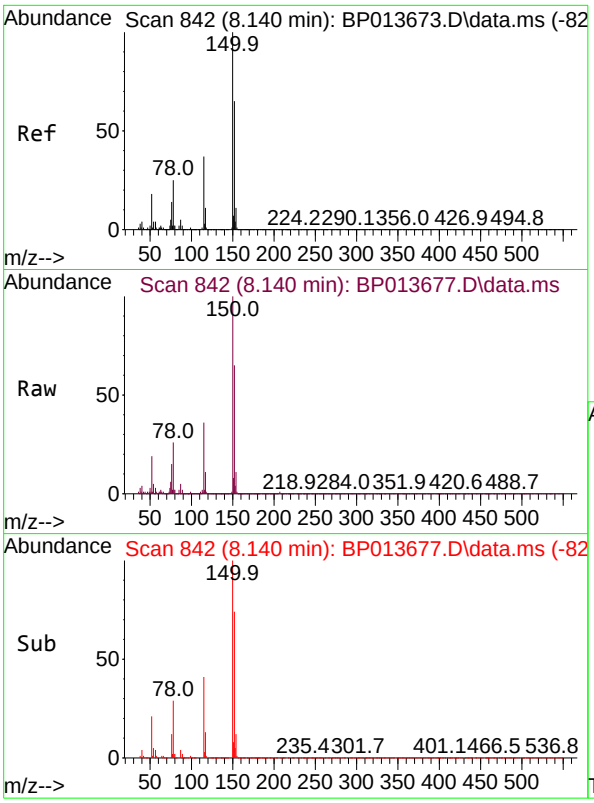
Quant Time: Feb 01 04:11:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 03:43:48 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

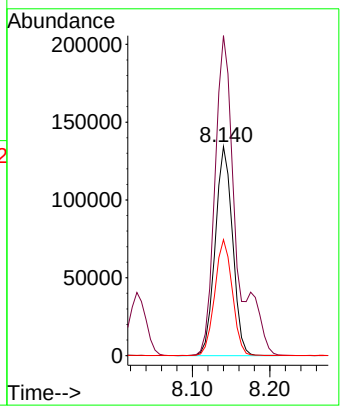




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.140 min Scan# 84
Delta R.T. -0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:152 Resp: 20899

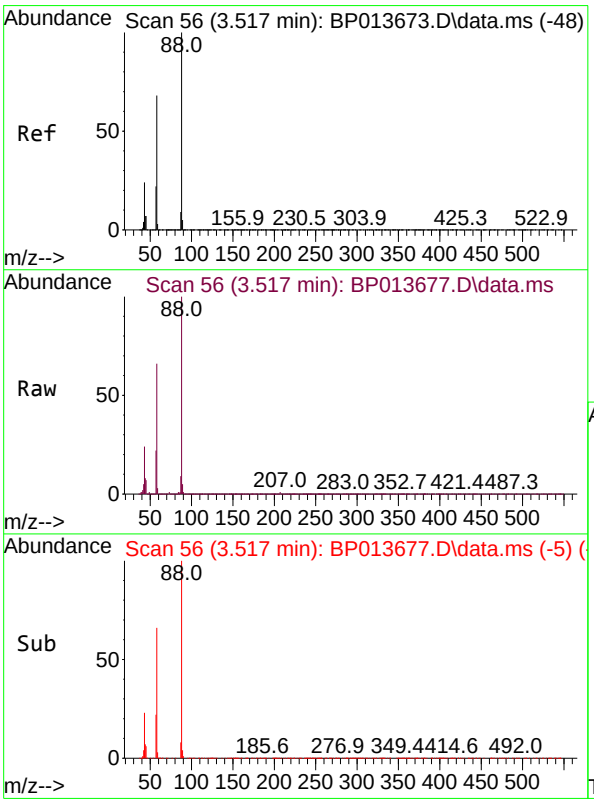
Ion	Ratio	Lower	Upper
152	100		
150	153.1	123.6	185.4
115	55.5	45.4	68.0



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

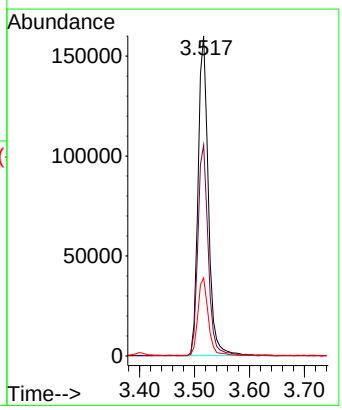
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

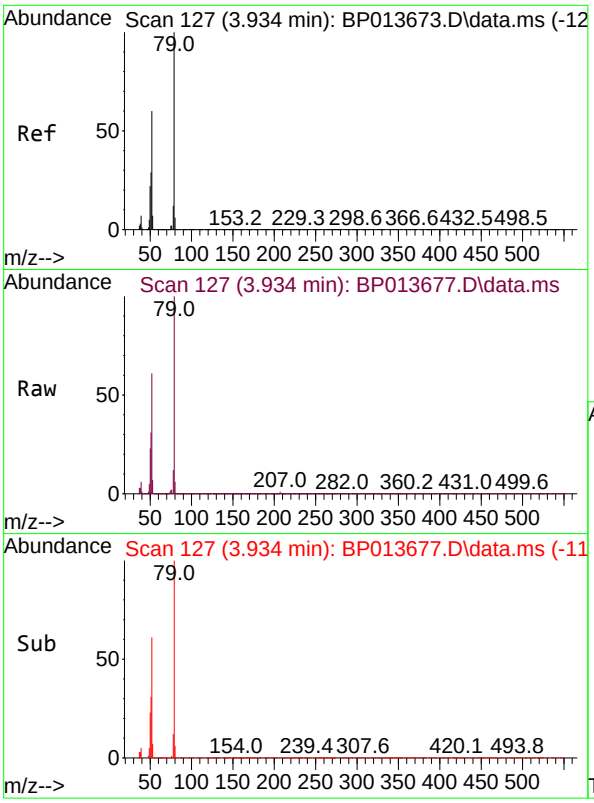


#2
1,4-Dioxane
Concen: 39.976 ng
RT: 3.517 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 88 Resp: 206769

Ion	Ratio	Lower	Upper
88	100		
58	66.5	53.8	80.8
43	24.2	19.8	29.6

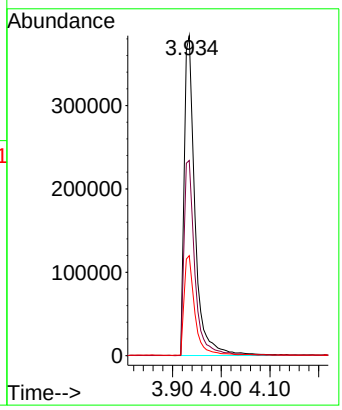




#3
Pyridine
Concen: 39.749 ng
RT: 3.934 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 79 Resp: 59196

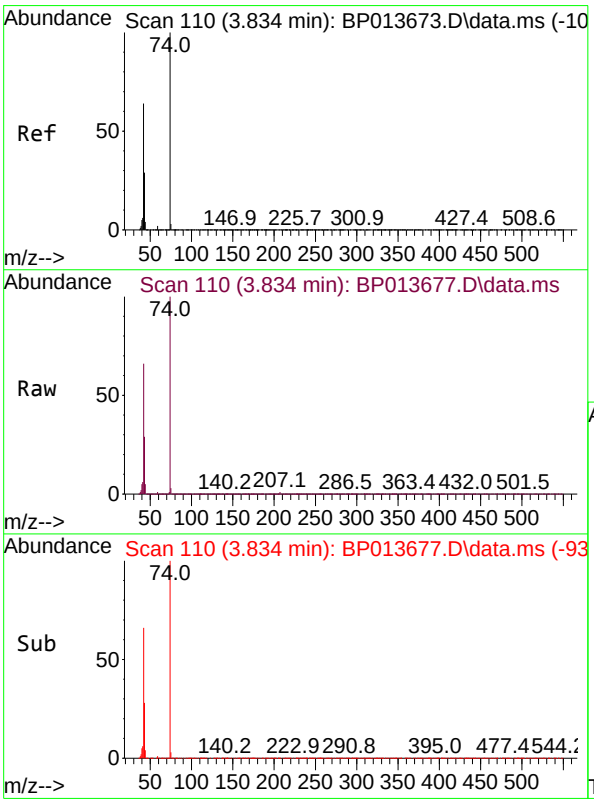
Ion	Ratio	Lower	Upper
79	100		
52	61.0	48.2	72.2
51	31.2	23.6	35.4



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

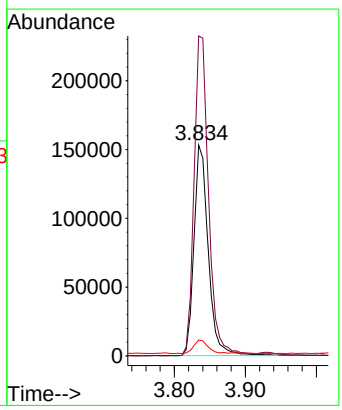
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

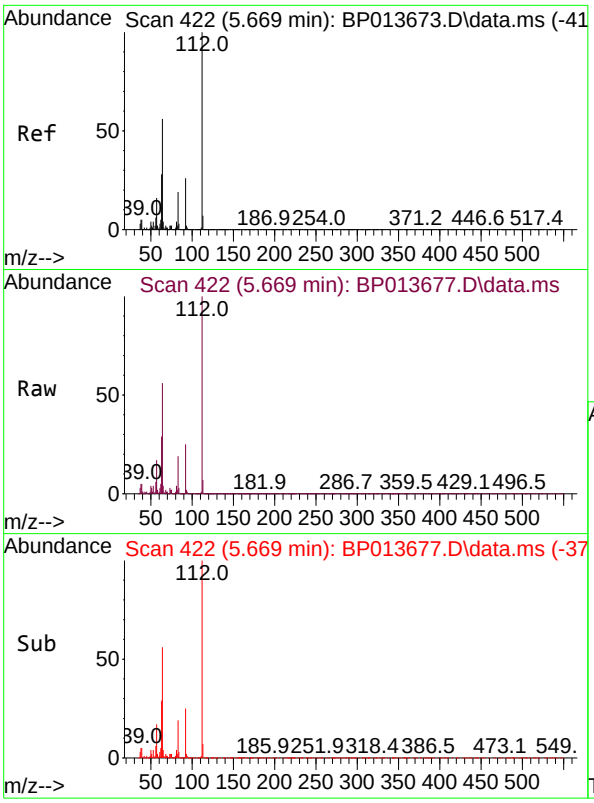


#4
n-Nitrosodimethylamine
Concen: 40.075 ng
RT: 3.834 min Scan# 110
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 42 Resp: 213995

Ion	Ratio	Lower	Upper
42	100		
74	151.8	124.6	187.0
44	7.5	6.3	9.5

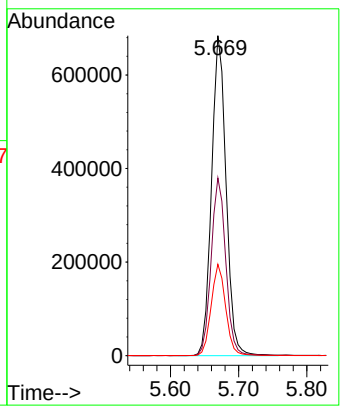




#5
2-Fluorophenol
Concen: 82.665 ng
RT: 5.669 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:112 Resp: 101065

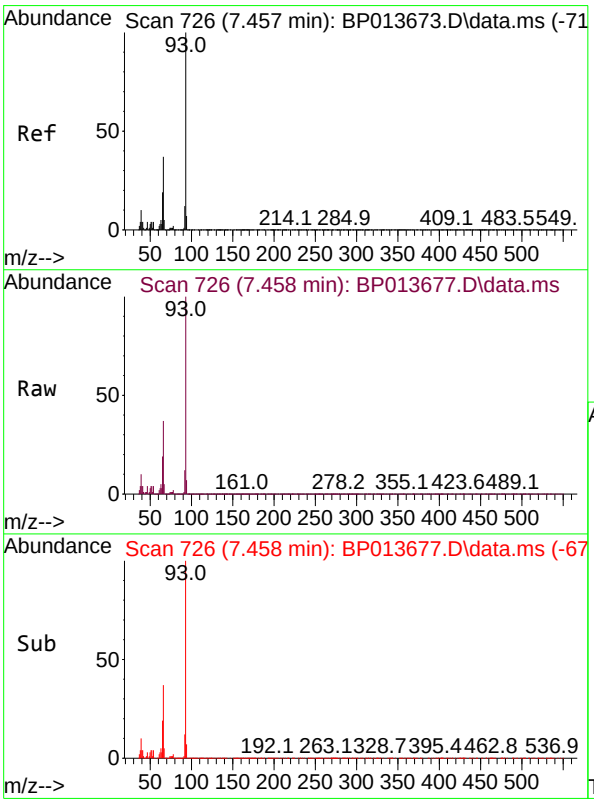
Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.6	67.0
63	28.5	22.6	34.0



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

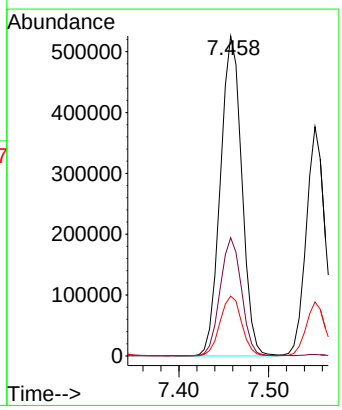
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

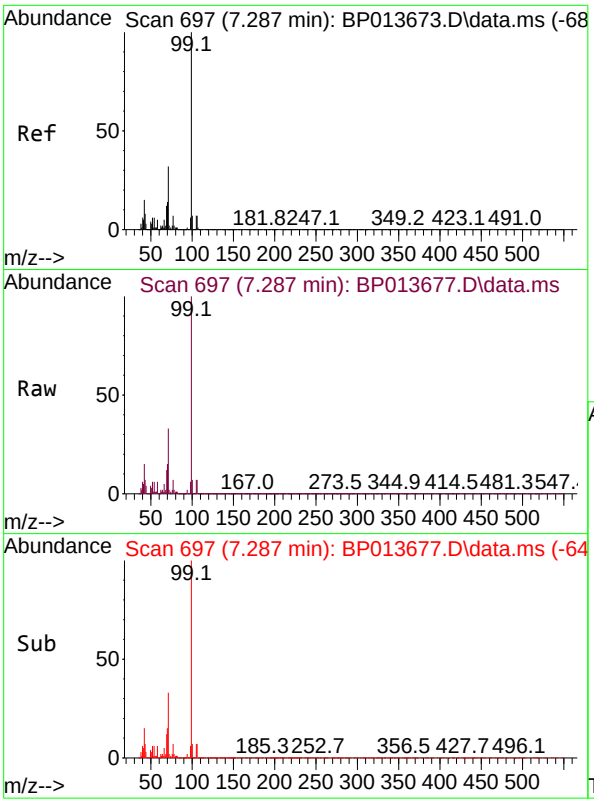


#6
Aniline
Concen: 41.110 ng
RT: 7.458 min Scan# 726
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 93 Resp: 872925

Ion	Ratio	Lower	Upper
93	100		
66	36.9	29.3	43.9
65	18.7	15.1	22.7

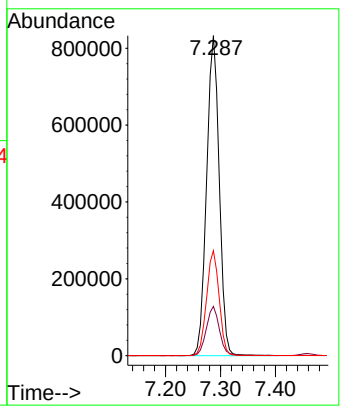




#7
Phenol-d6
Concen: 81.298 ng
RT: 7.287 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 99 Resp: 132417

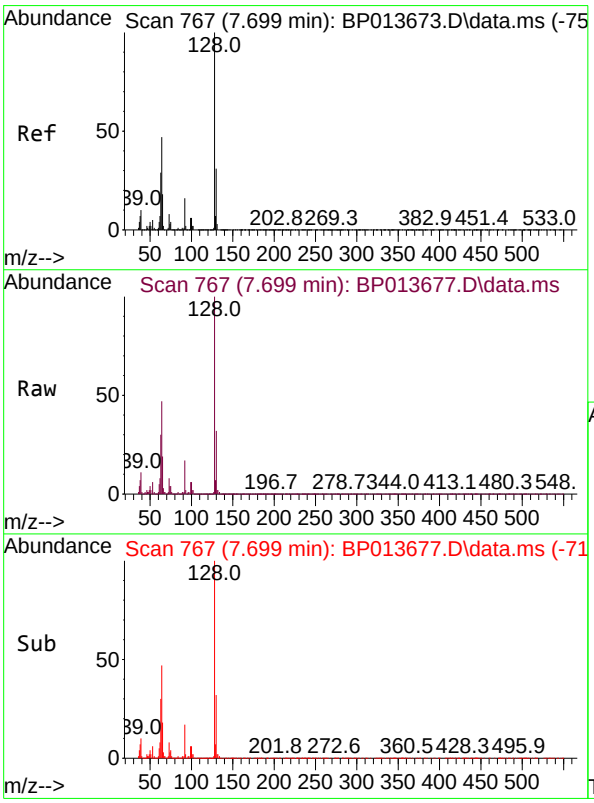
Ion	Ratio	Lower	Upper
99	100		
42	15.4	11.8	17.6
71	32.8	25.6	38.4



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

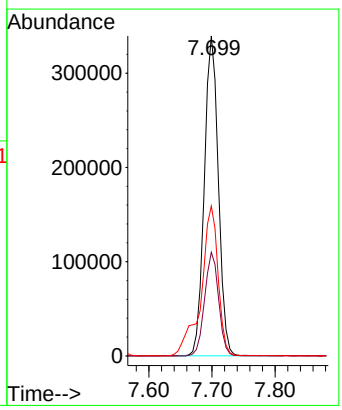
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

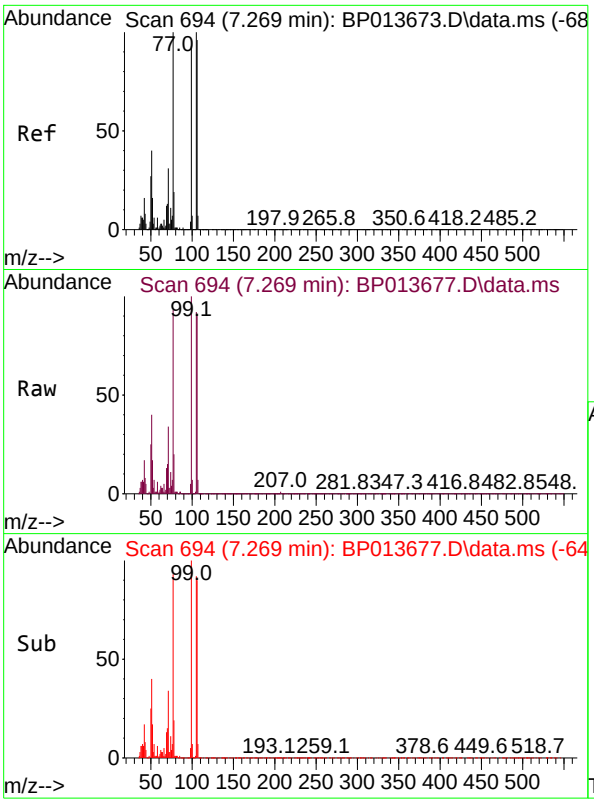


#8
2-Chlorophenol
Concen: 40.739 ng
RT: 7.699 min Scan# 767
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:128 Resp: 524365

Ion	Ratio	Lower	Upper
128	100		
130	32.4	10.8	50.8
64	46.8	26.9	66.9

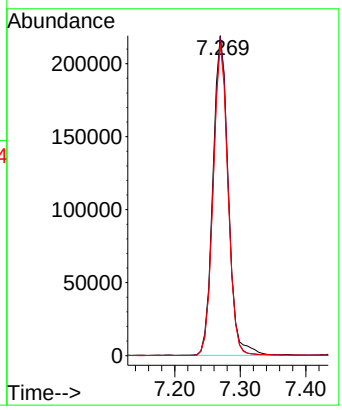




#9
Benzaldehyde
Concen: 42.434 ng
RT: 7.269 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 77 Resp: 35759

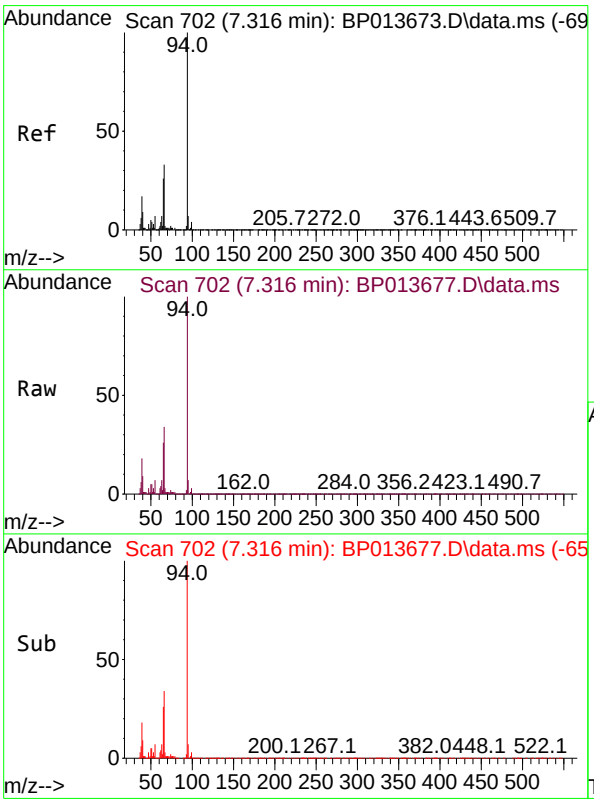
Ion	Ratio	Lower	Upper
77	100		
105	99.6	80.4	120.4
106	97.4	76.7	116.7



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations APPROVED

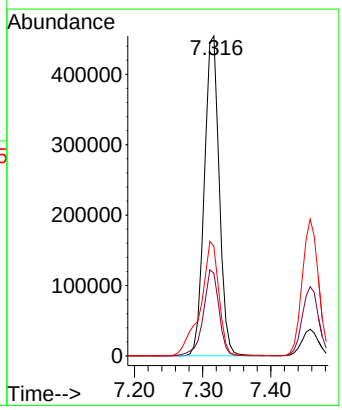
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

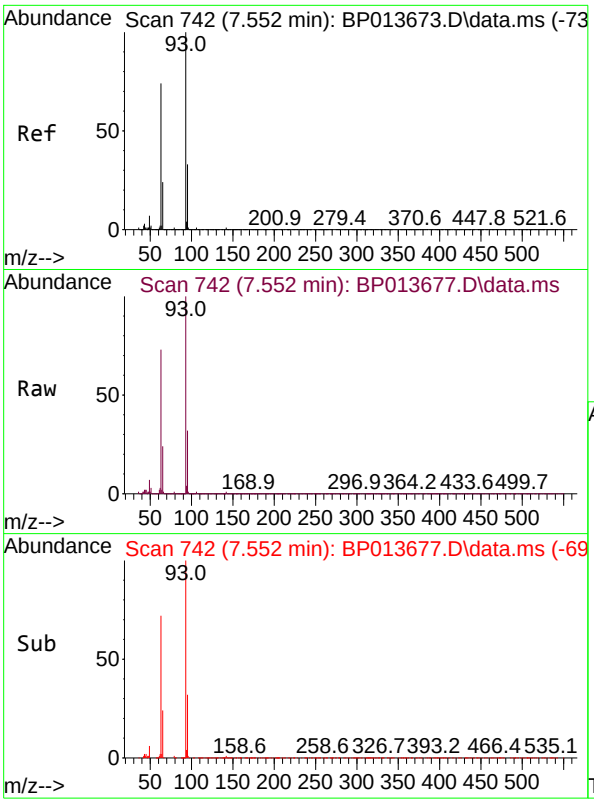


#10
Phenol
Concen: 40.611 ng
RT: 7.316 min Scan# 702
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 94 Resp: 691006

Ion	Ratio	Lower	Upper
94	100		
65	25.8	6.0	46.0
66	34.2	13.1	53.1

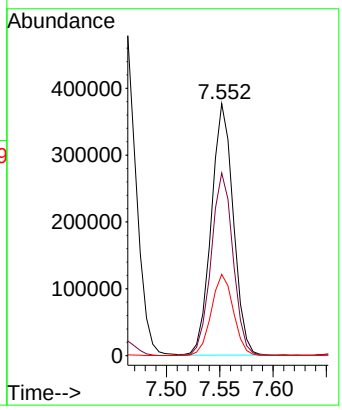




#11
bis(2-Chloroethyl)ether
Concen: 39.845 ng
RT: 7.552 min Scan# 74
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 93 Resp: 54158

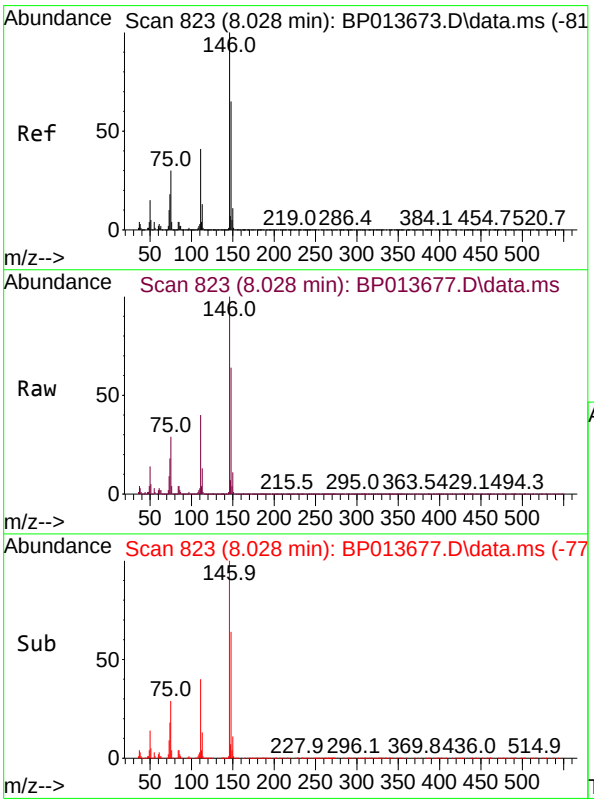
Ion	Ratio	Lower	Upper
93	100		
63	72.5	53.7	93.7
95	32.2	12.4	52.4



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

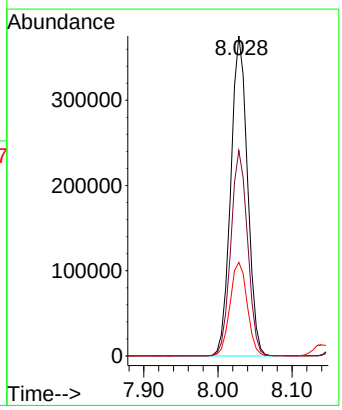
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

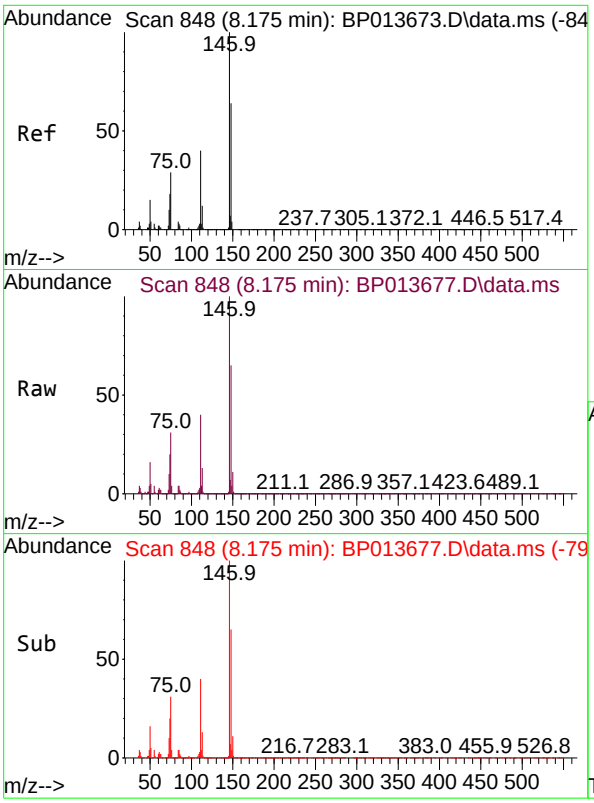


#12
1,3-Dichlorobenzene
Concen: 40.511 ng
RT: 8.028 min Scan# 823
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:146 Resp: 587363

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.9	77.9
75	29.3	24.0	36.0





#13
1,4-Dichlorobenzene
Concen: 40.671 ng
RT: 8.175 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

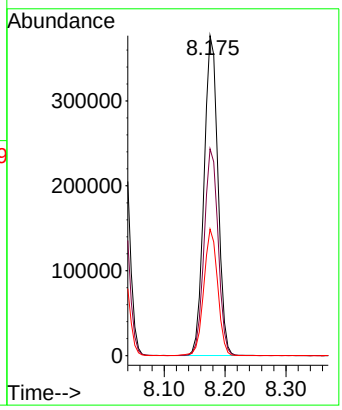
Tgt Ion:146 Resp: 596648

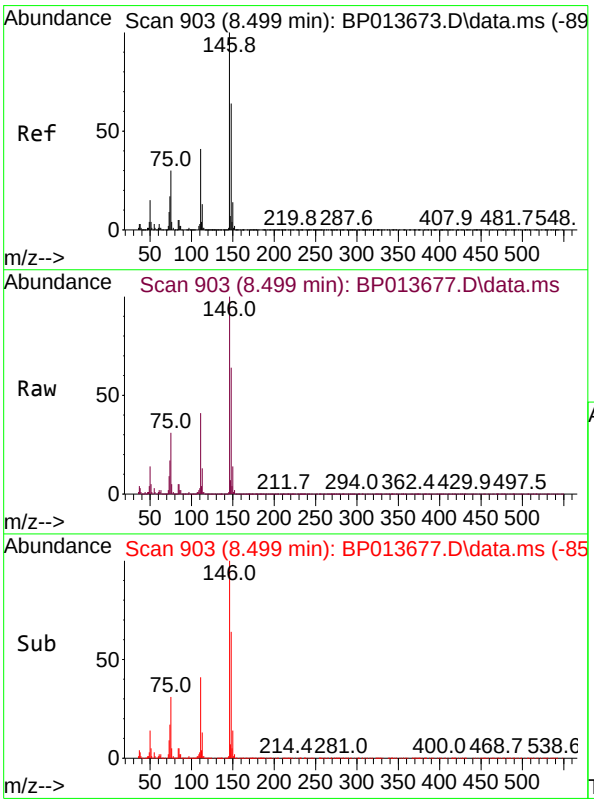
Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.5	77.3
111	39.5	32.0	48.0

Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

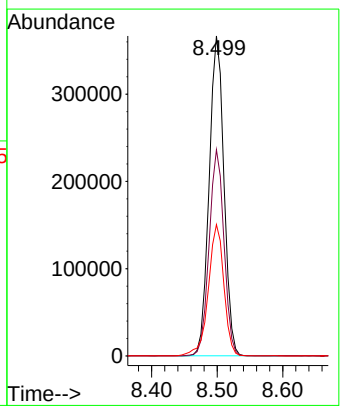


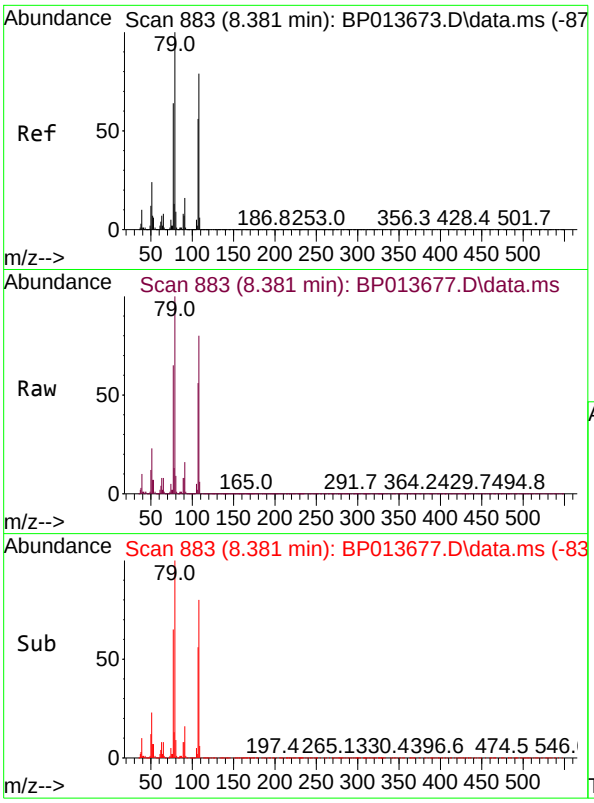


#14
1,2-Dichlorobenzene
Concen: 41.009 ng
RT: 8.499 min Scan# 903
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:146 Resp: 575668

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.3	76.9
111	41.0	32.8	49.2

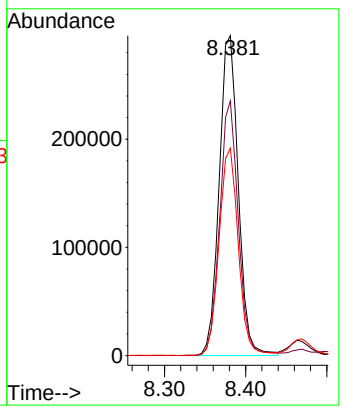




#15
Benzyl Alcohol
Concen: 41.907 ng
RT: 8.381 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 79 Resp: 48334

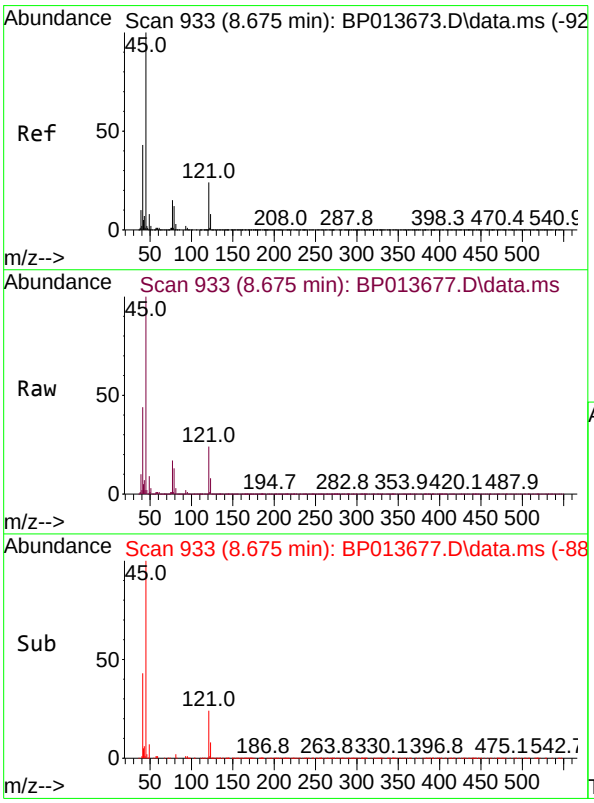
Ion	Ratio	Lower	Upper
79	100		
108	79.6	62.9	94.3
77	64.8	51.1	76.7



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

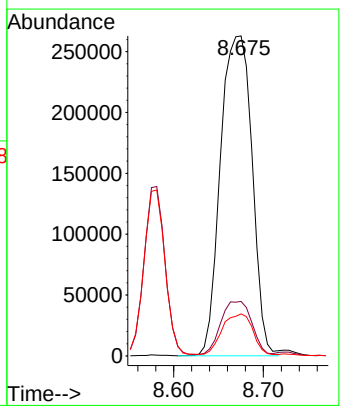
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

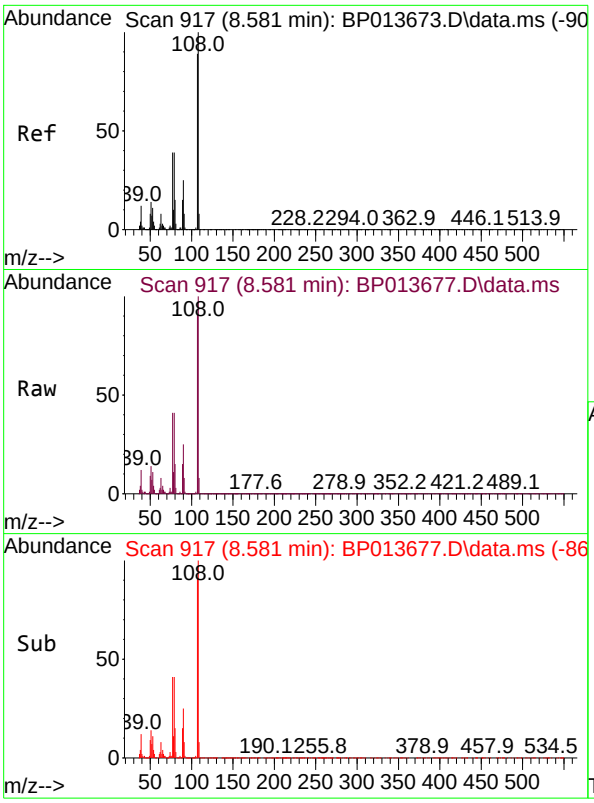


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.641 ng
RT: 8.675 min Scan# 933
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 45 Resp: 645151

Ion	Ratio	Lower	Upper
45	100		
77	17.0	0.0	36.4
79	13.1	0.0	33.4

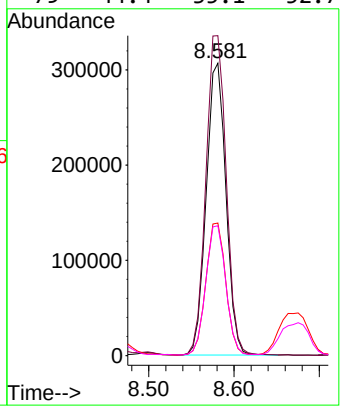




#17
2-Methylphenol
Concen: 41.432 ng
RT: 8.581 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:107 Resp: 494013

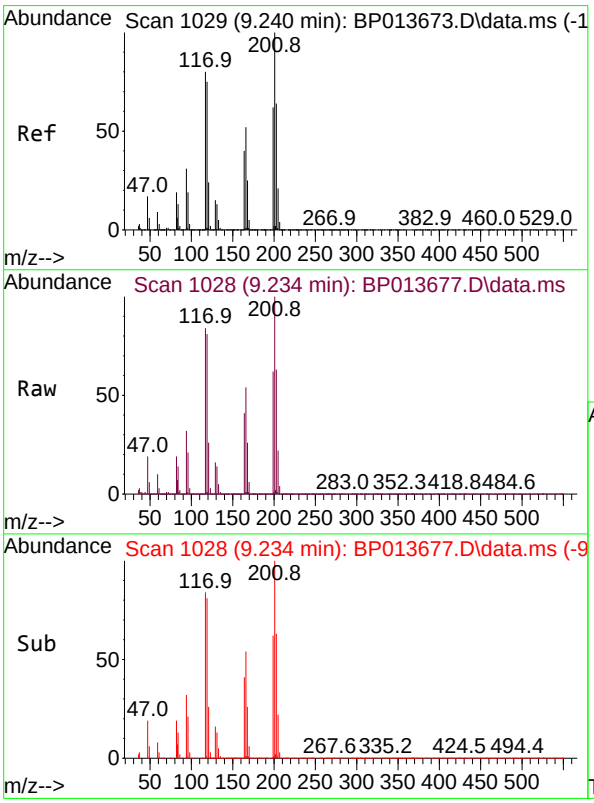
Ion	Ratio	Lower	Upper
107	100		
108	109.4	90.0	135.0
77	45.3	35.7	53.5
79	44.4	35.1	52.7



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

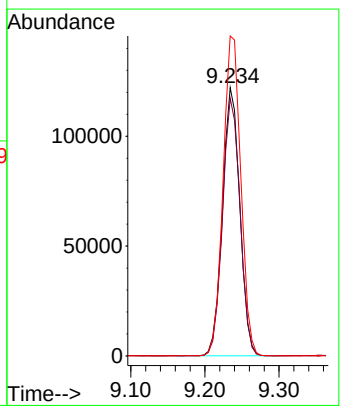
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

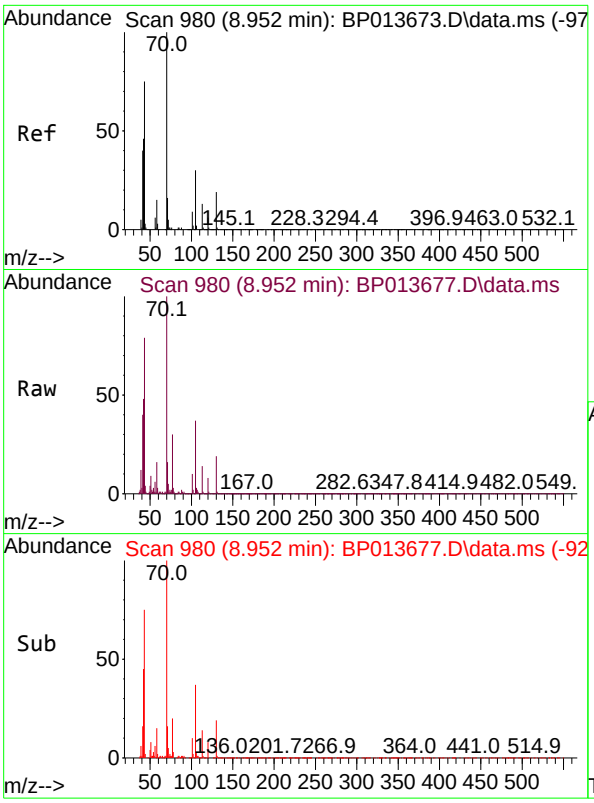


#18
Hexachloroethane
Concen: 40.863 ng
RT: 9.234 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:117 Resp: 197668

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.0	112.4
201	119.3	100.4	150.6

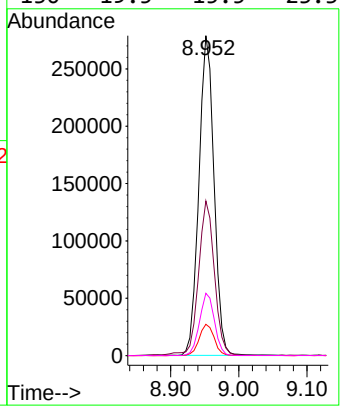




#19
n-Nitroso-di-n-propylamine
Concen: 42.119 ng
RT: 8.952 min Scan# 98
Delta R.T. -0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 70 Resp: 43042

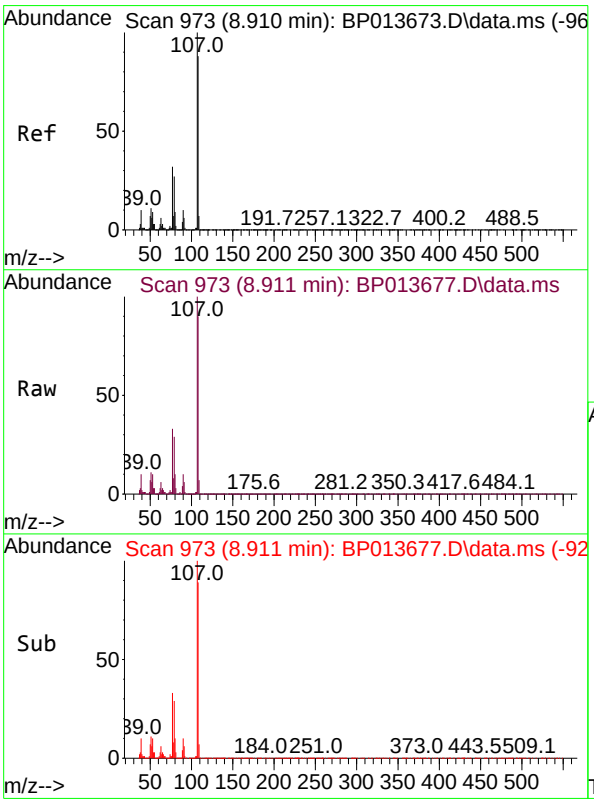
Ion	Ratio	Lower	Upper
70	100		
42	48.3	37.2	55.8
101	9.8	7.4	11.2
130	19.5	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

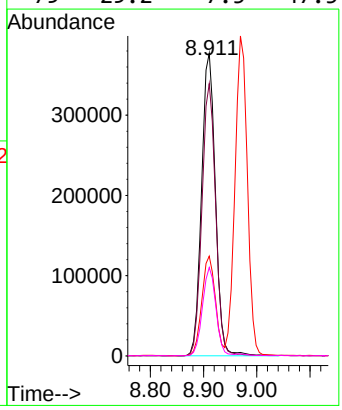
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

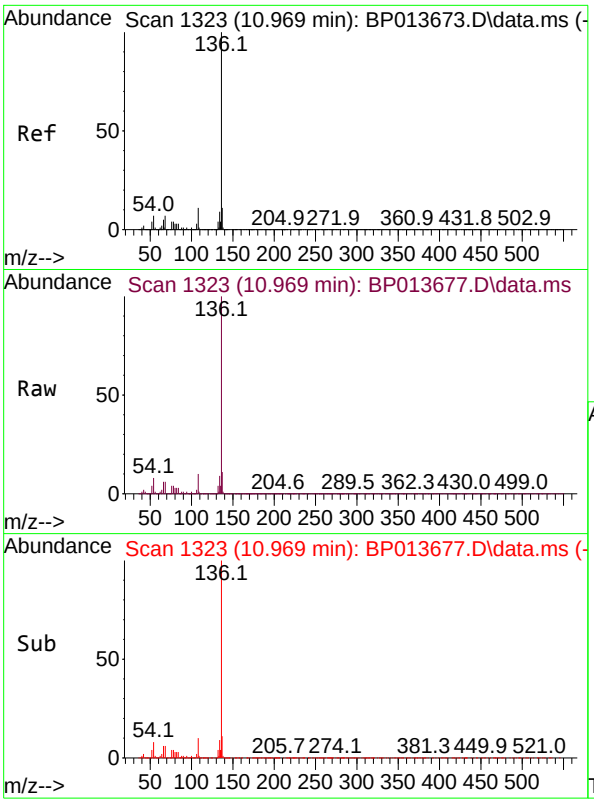


#20
3+4-Methylphenols
Concen: 41.657 ng
RT: 8.911 min Scan# 973
Delta R.T. 0.001 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:107 Resp: 677606

Ion	Ratio	Lower	Upper
107	100		
108	90.0	67.7	107.7
77	33.0	12.0	52.0
79	29.2	7.5	47.5

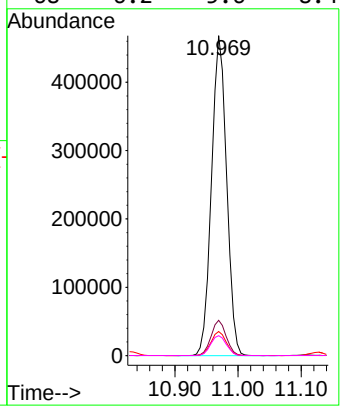




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:136 Resp: 77842

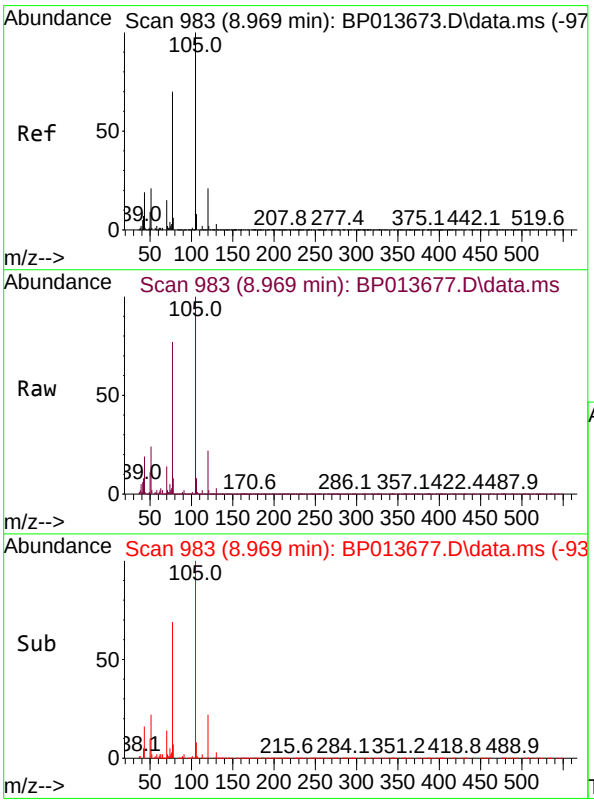
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.5	6.0	9.0
68	6.2	5.6	8.4



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

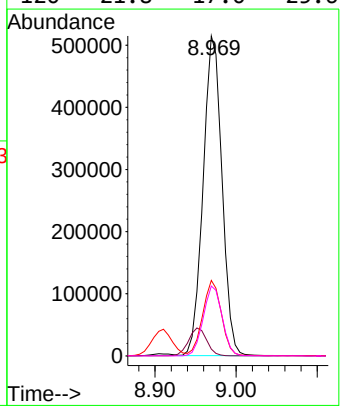
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

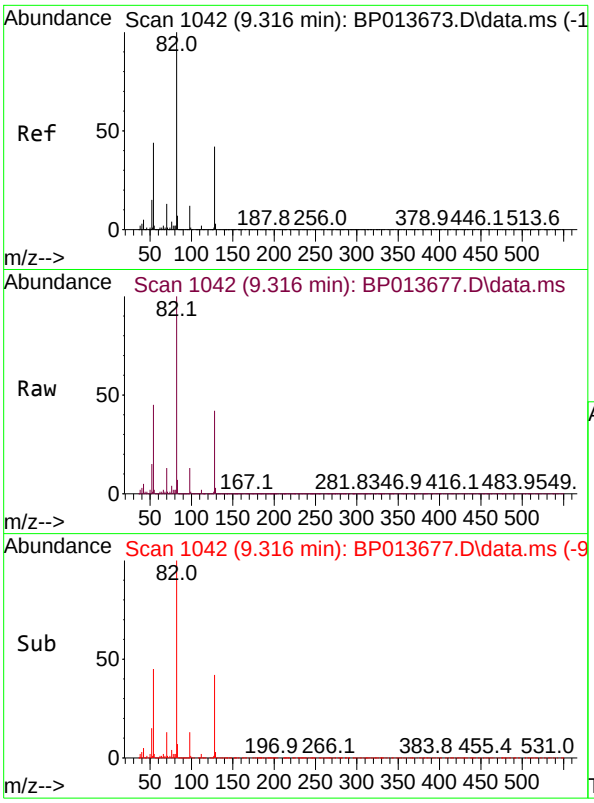


#22
Acetophenone
Concen: 40.938 ng
RT: 8.969 min Scan# 983
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:105 Resp: 831010

Ion	Ratio	Lower	Upper
105	100		
71	2.1	2.2	3.2#
51	23.6	18.6	27.8
120	21.8	17.0	25.6

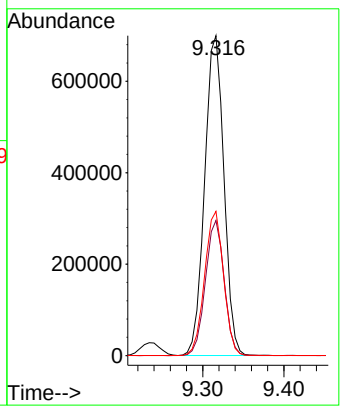




#23
Nitrobenzene-d5
Concen: 86.363 ng
RT: 9.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 82 Resp: 115571

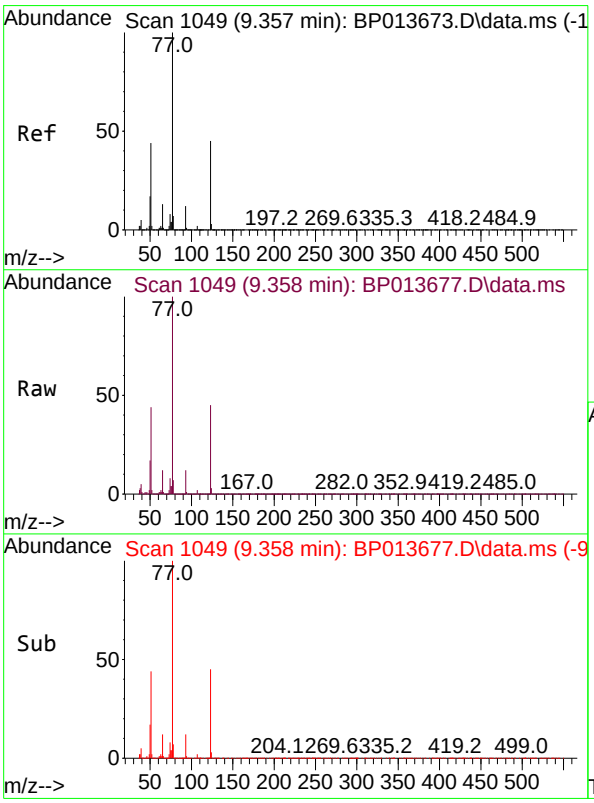
Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.4	50.0
54	45.1	35.4	53.0



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

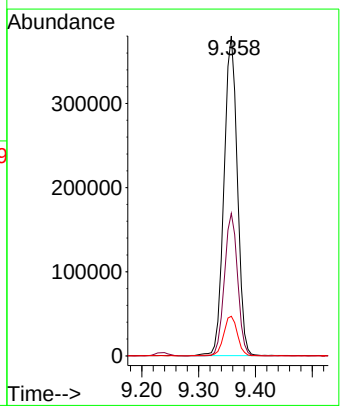
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

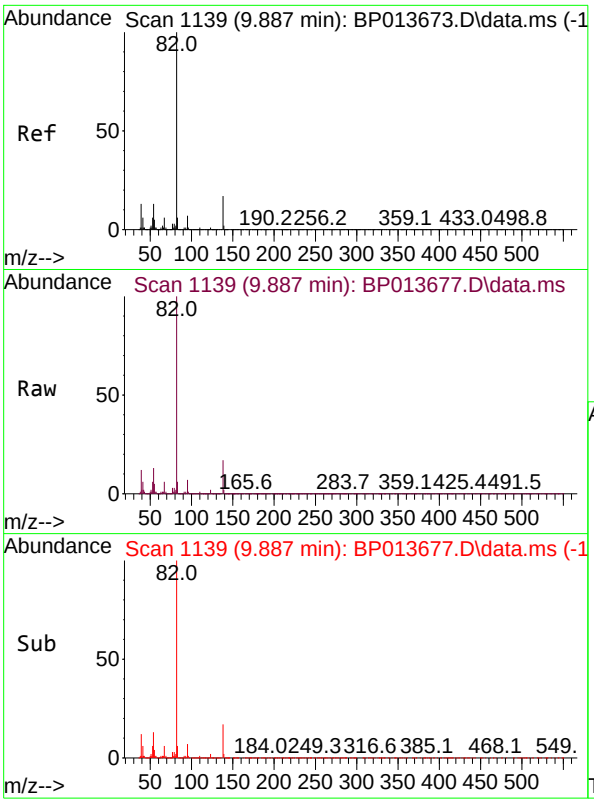


#24
Nitrobenzene
Concen: 42.614 ng
RT: 9.358 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 77 Resp: 618536

Ion	Ratio	Lower	Upper
77	100		
123	44.5	35.9	53.9
65	12.4	10.2	15.4

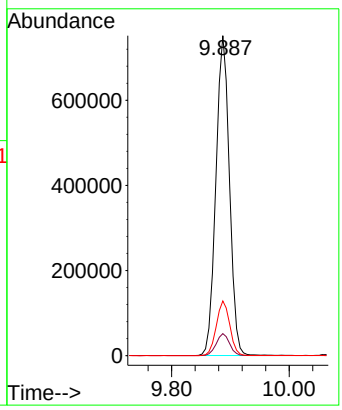




#25
Isophorone
Concen: 40.564 ng
RT: 9.887 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 82 Resp: 120314

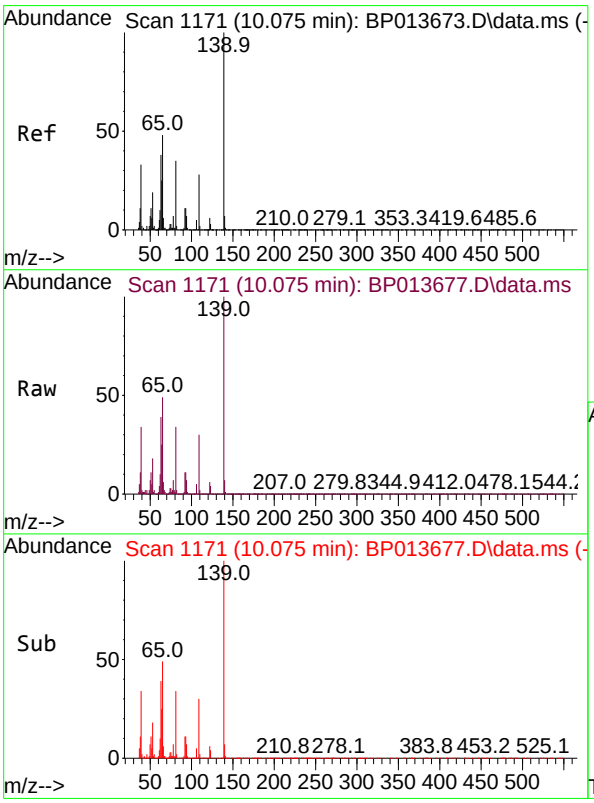
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	17.1	13.9	20.9



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

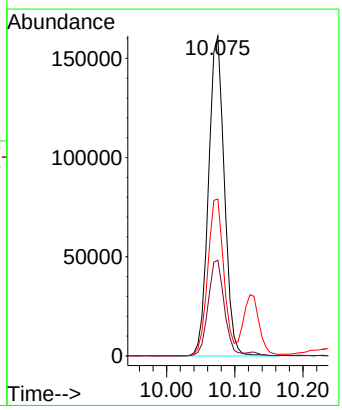
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

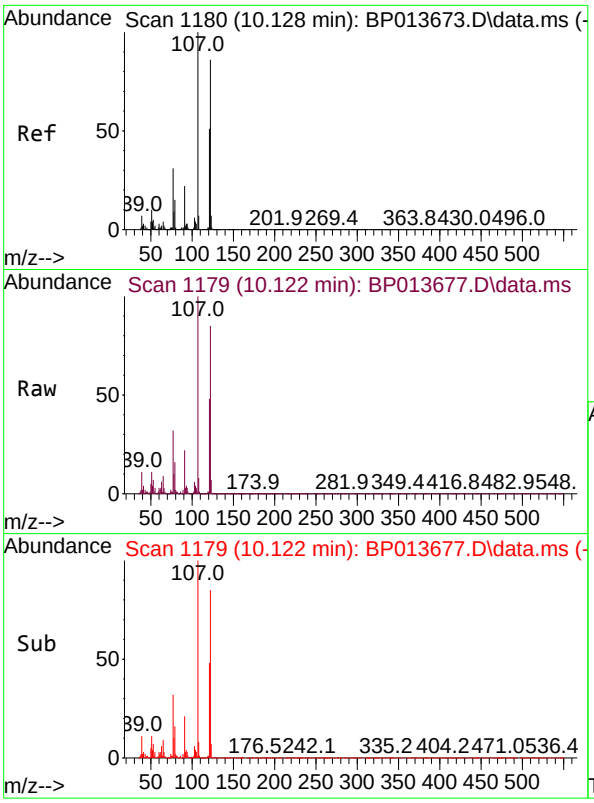


#26
2-Nitrophenol
Concen: 39.244 ng
RT: 10.075 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:139 Resp: 260166

Ion	Ratio	Lower	Upper
139	100		
109	29.9	22.7	34.1
65	49.0	38.8	58.2

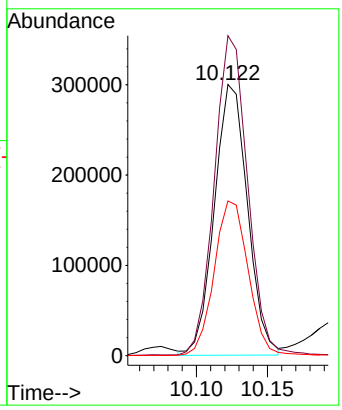




#27
2,4-Dimethylphenol
Concen: 40.713 ng
RT: 10.122 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:122 Resp: 48732

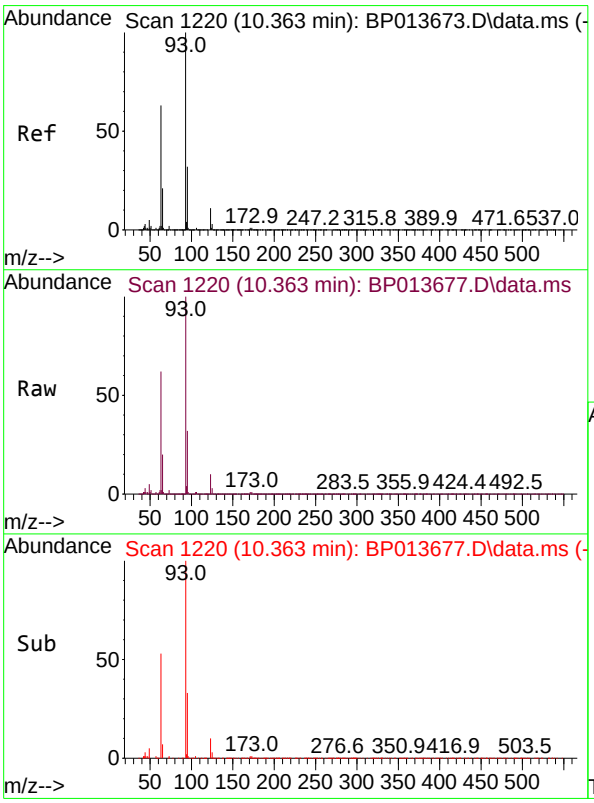
Ion	Ratio	Lower	Upper
122	100		
107	118.0	93.0	139.6
121	57.0	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

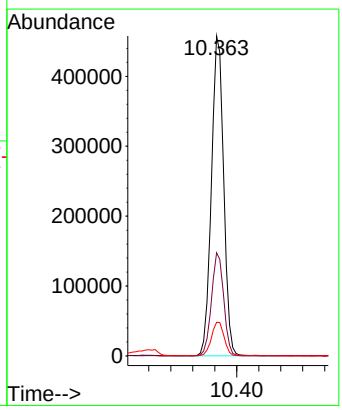
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

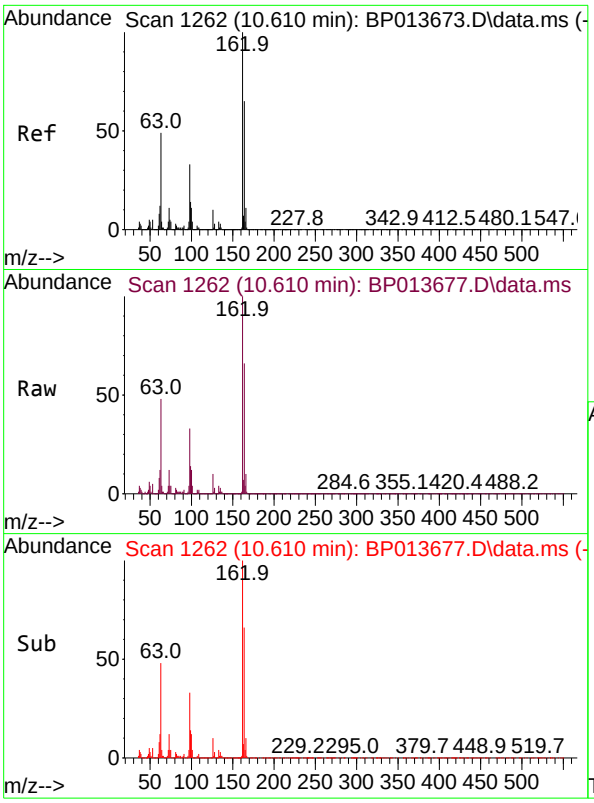


#28
bis(2-Chloroethoxy)methane
Concen: 39.798 ng
RT: 10.363 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 93 Resp: 707500

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.0	39.0
123	10.5	8.7	13.1

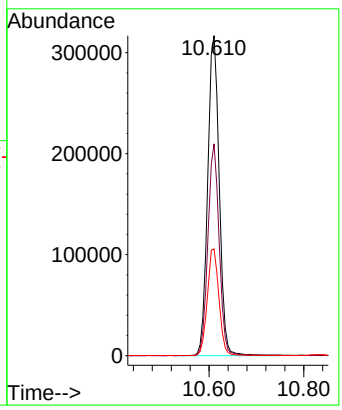




#29
2,4-Dichlorophenol
Concen: 41.196 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:162 Resp: 53672

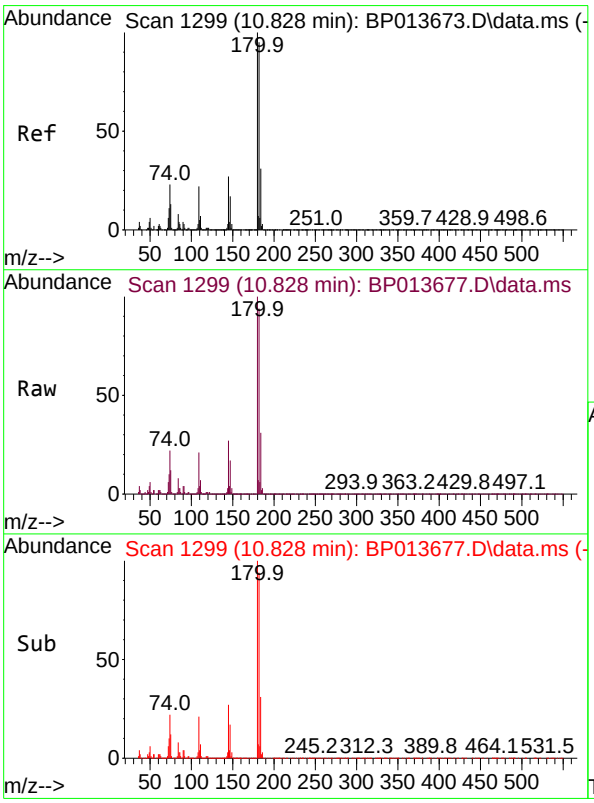
Ion	Ratio	Lower	Upper
162	100		
164	66.2	44.8	84.8
98	33.4	13.4	53.4



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

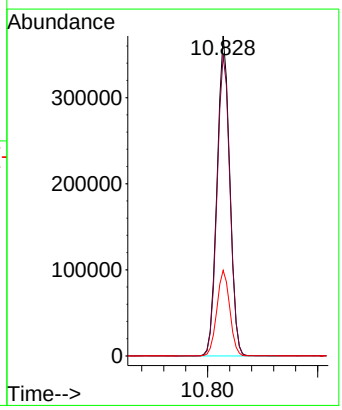
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

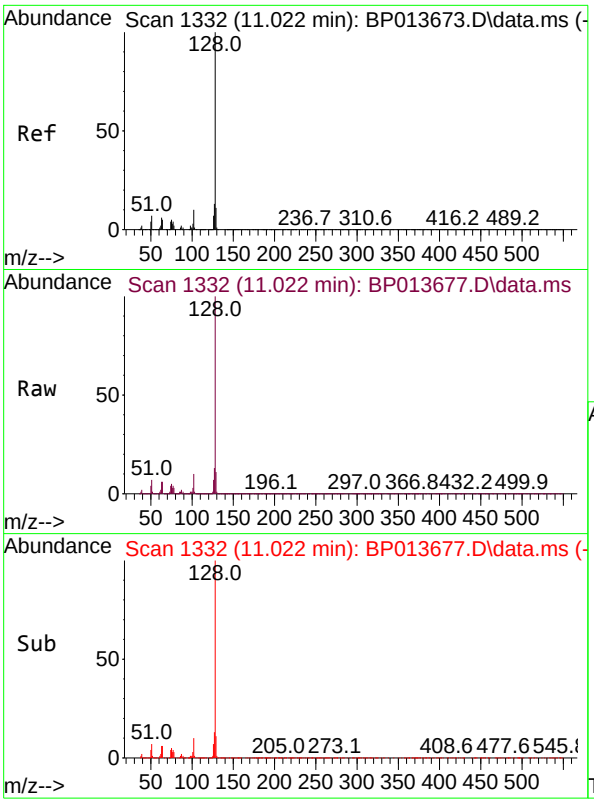


#30
1,2,4-Trichlorobenzene
Concen: 41.108 ng
RT: 10.828 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:180 Resp: 594262

Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.4	114.6
145	26.7	21.9	32.9

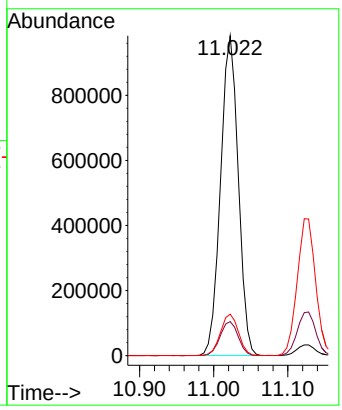




#31
Naphthalene
Concen: 39.863 ng
RT: 11.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:128 Resp: 163159

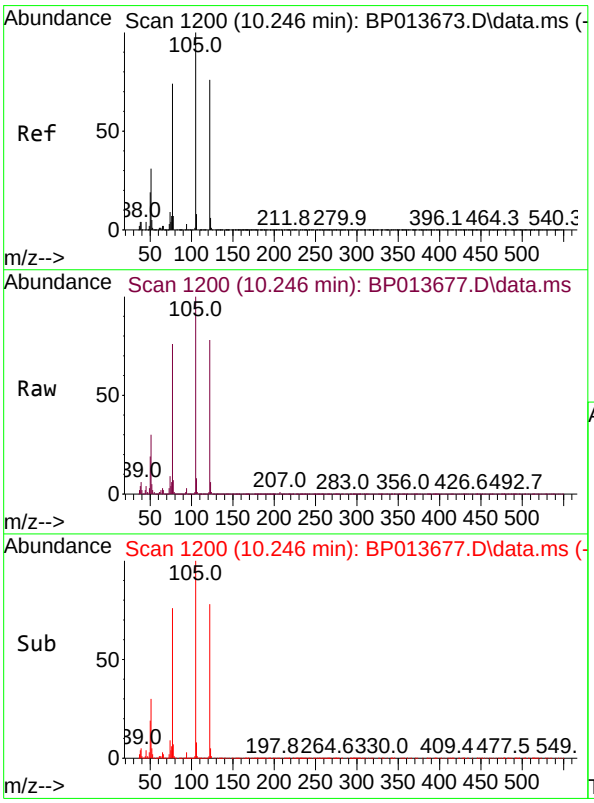
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	12.8
127	13.0	10.5	15.7



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

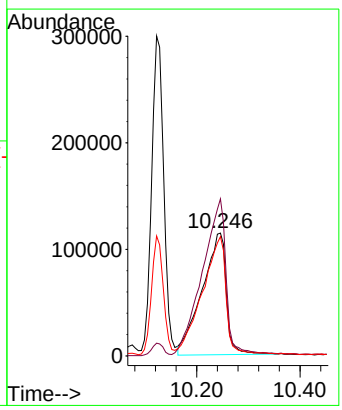
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

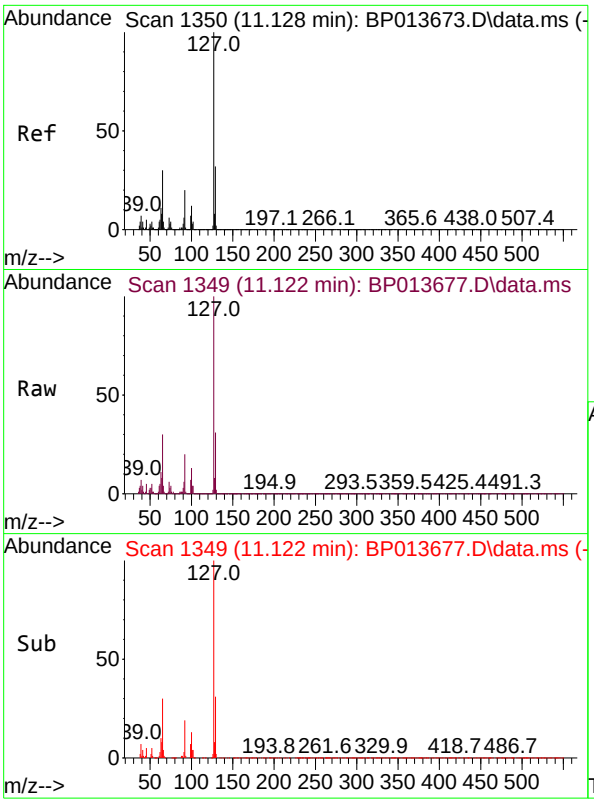


#32
Benzoic acid
Concen: 39.559 ng
RT: 10.246 min Scan# 1200
Delta R.T. -0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:122 Resp: 371544

Ion	Ratio	Lower	Upper
122	100		
105	127.9	105.5	145.5
77	97.1	74.7	114.7

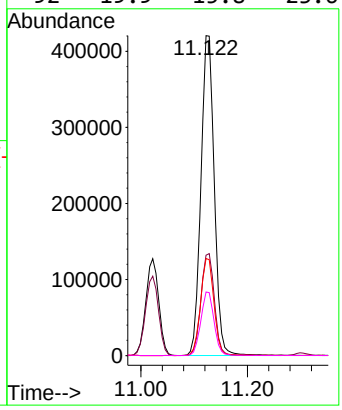




#33
4-Chloroaniline
Concen: 40.768 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:127 Resp: 73318

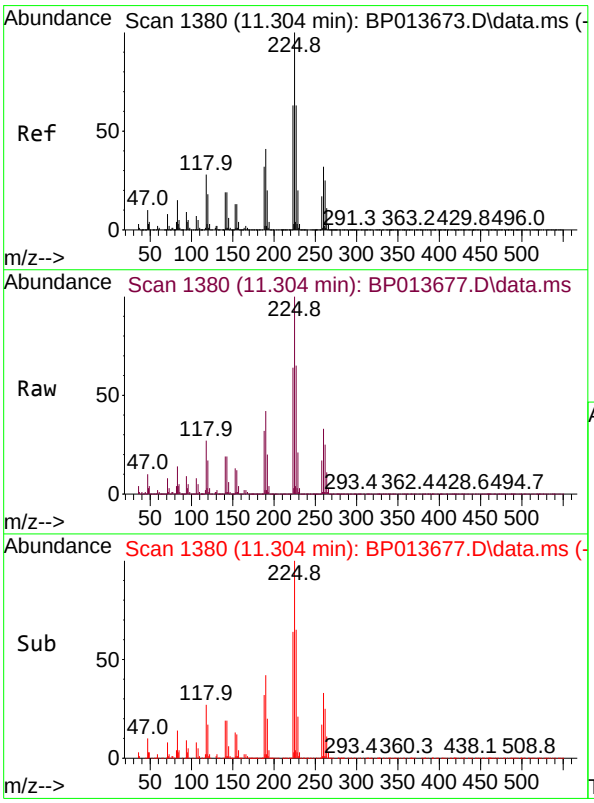
Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.3	37.9
65	30.3	23.8	35.8
92	19.9	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

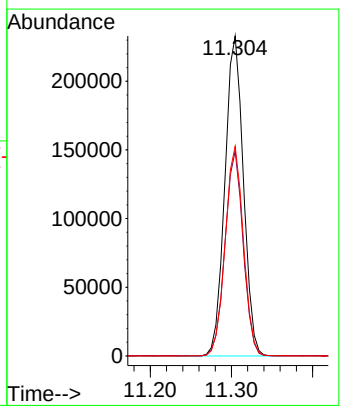
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

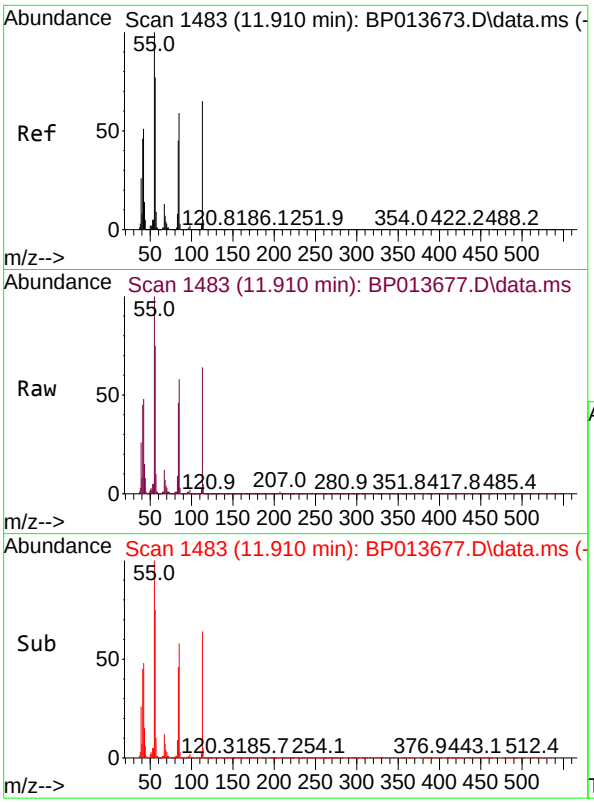


#34
Hexachlorobutadiene
Concen: 40.111 ng
RT: 11.304 min Scan# 1380
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:225 Resp: 368081

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.5	75.7
227	65.5	50.6	75.8





#35
Caprolactam
Concen: 40.217 ng
RT: 11.910 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

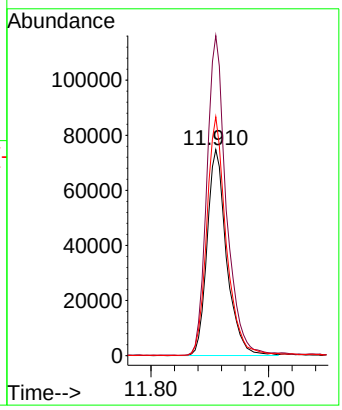
Instrument :
BNA_P
ClientSampleId :
ICVBP013123

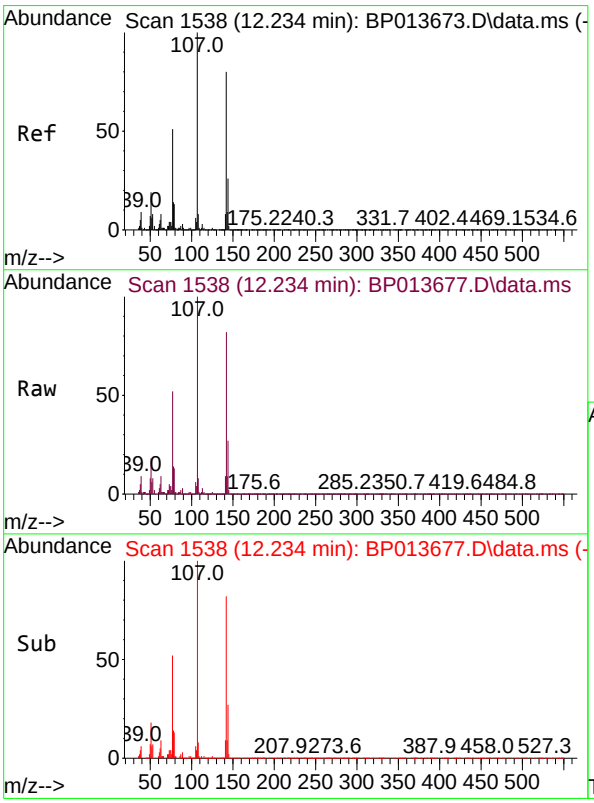
Tgt Ion:113 Resp: 17207

Ion	Ratio	Lower	Upper
113	100		
55	155.3	133.0	173.0
56	115.9	97.4	137.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

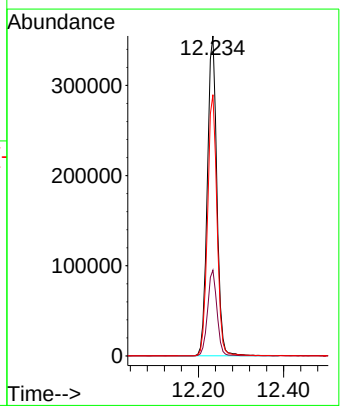


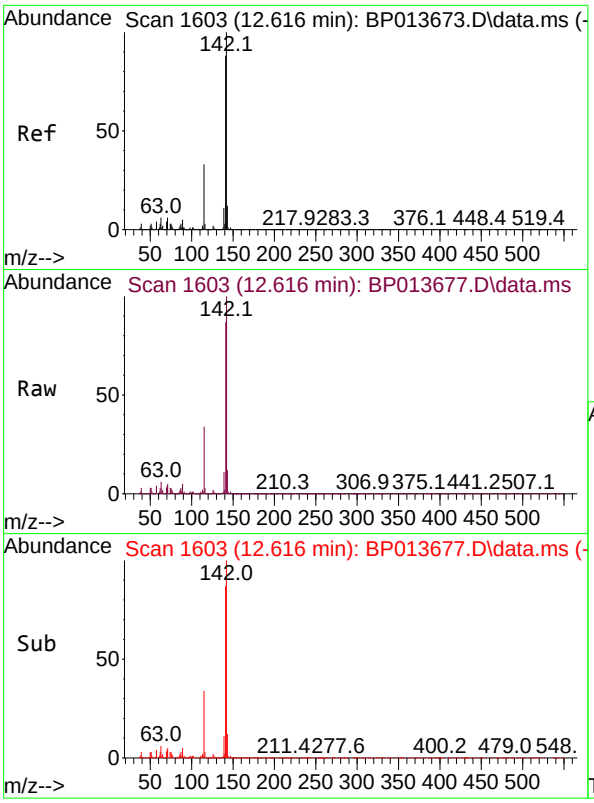


#36
4-Chloro-3-methylphenol
Concen: 40.148 ng
RT: 12.234 min Scan# 1538
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:107 Resp: 550213

Ion	Ratio	Lower	Upper
107	100		
144	26.8	20.8	31.2
142	81.6	64.0	96.0

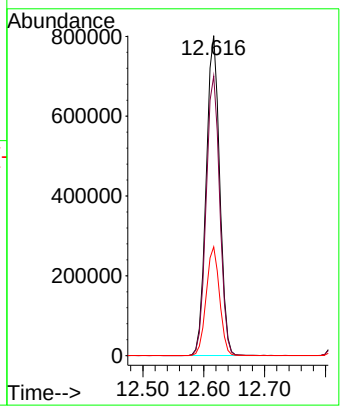




#37
2-Methylnaphthalene
Concen: 39.987 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:142 Resp: 123060

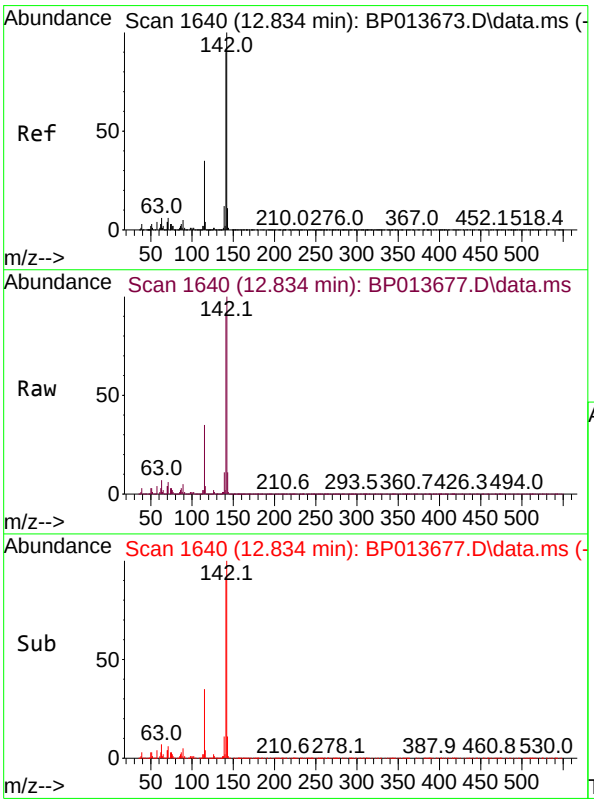
Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.3	105.5
115	34.0	26.4	39.6



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

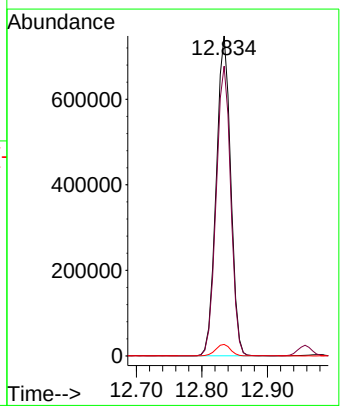
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

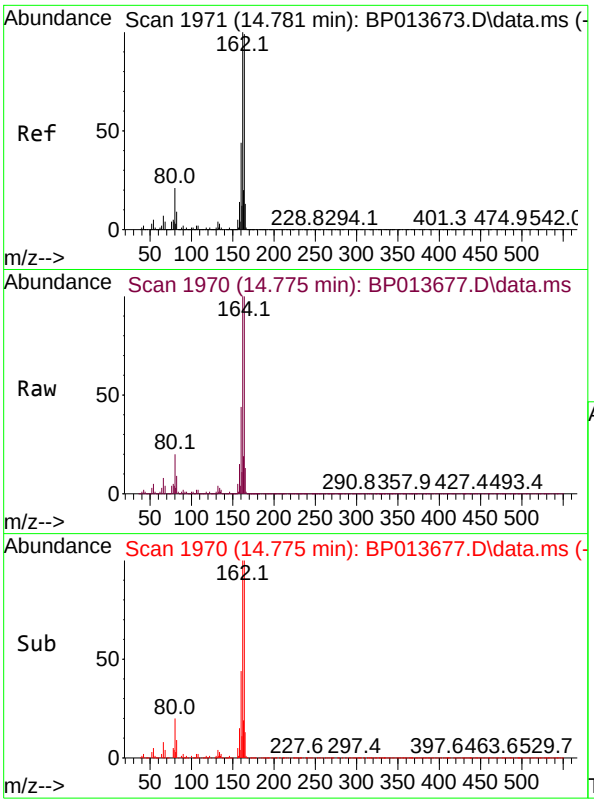


#38
1-Methylnaphthalene
Concen: 39.717 ng
RT: 12.834 min Scan# 1640
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:142 Resp: 1148180

Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.2	108.4
116	3.6	3.0	4.4

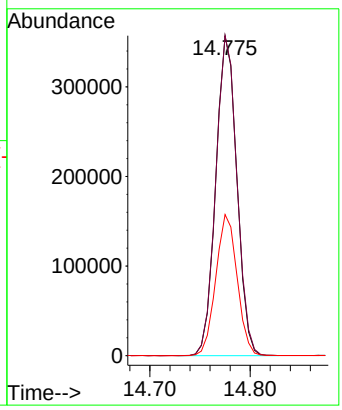




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.775 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:164 Resp: 52101

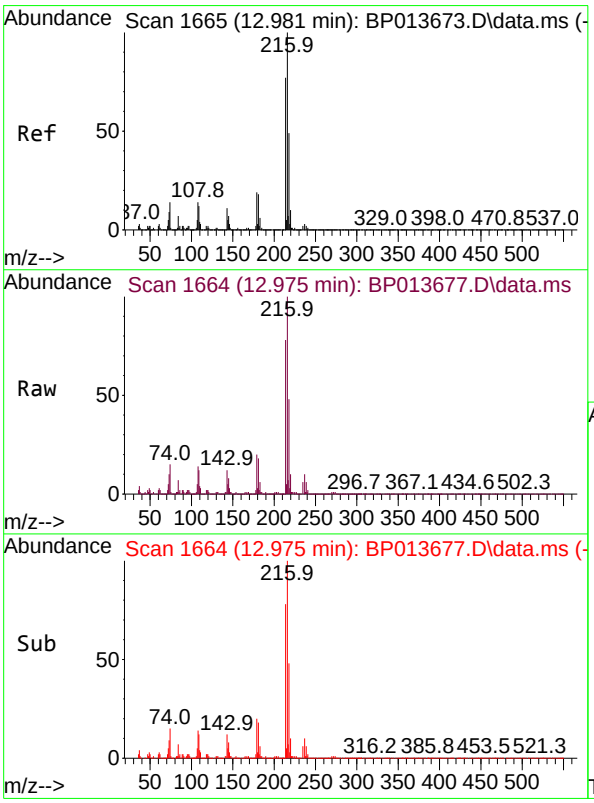
Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.8	121.2
160	44.1	35.6	53.4



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

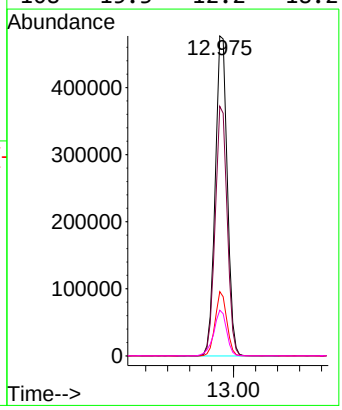
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

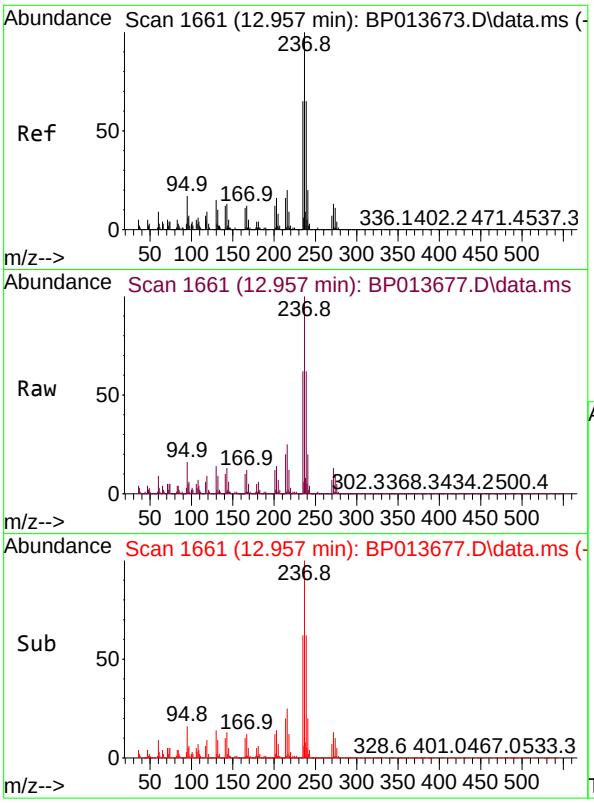


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.720 ng
RT: 12.975 min Scan# 1664
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:216 Resp: 724310

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.6	94.0
179	19.4	15.2	22.8
108	15.3	12.2	18.2

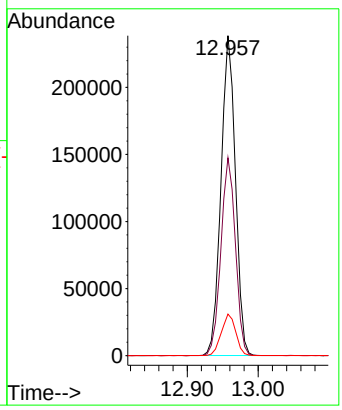




#41
Hexachlorocyclopentadiene
Concen: 41.631 ng
RT: 12.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:237 Resp: 33798

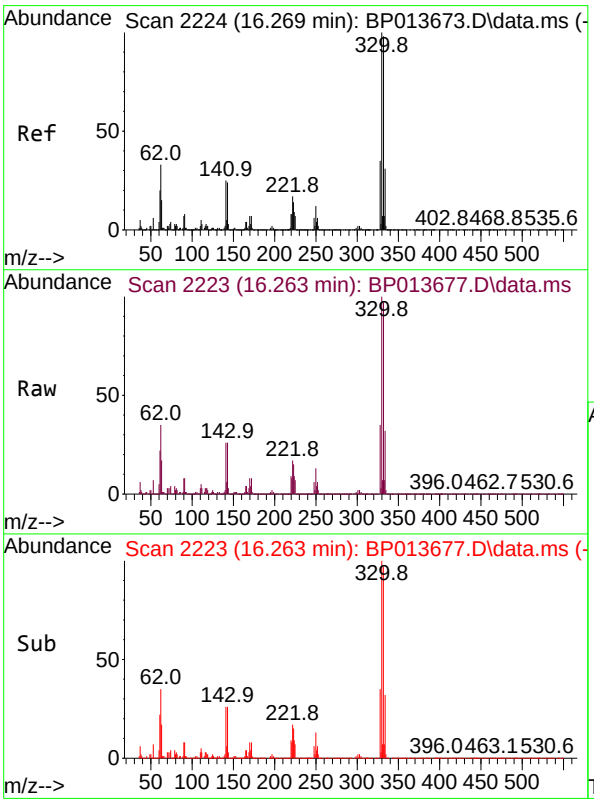
Ion	Ratio	Lower	Upper
237	100		
235	61.8	44.6	84.6
272	13.0	0.0	33.2



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

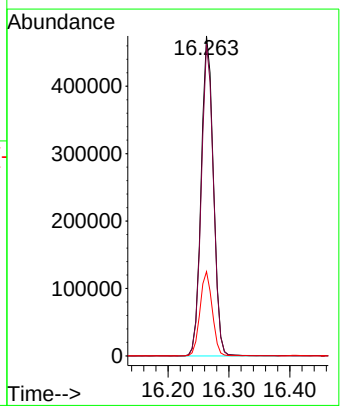
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

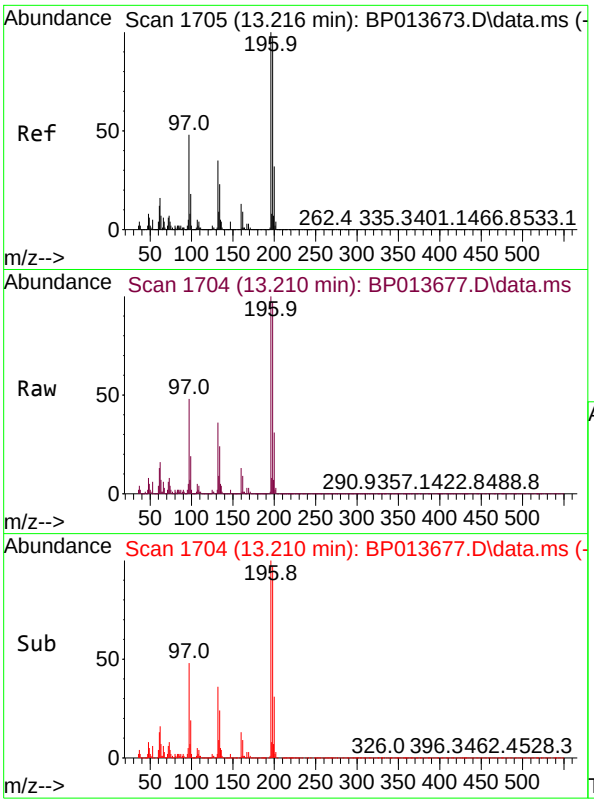


#42
2,4,6-Tribromophenol
Concen: 84.468 ng
RT: 16.263 min Scan# 2223
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:330 Resp: 660087

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.2
141	26.3	21.3	31.9

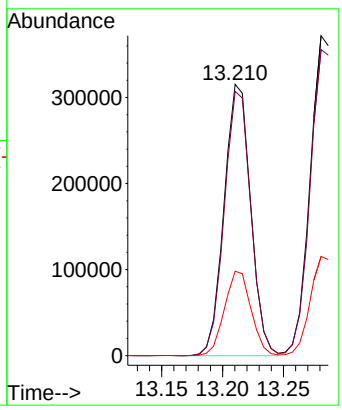




#43
2,4,6-Trichlorophenol
Concen: 40.869 ng
RT: 13.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:196 Resp: 47869

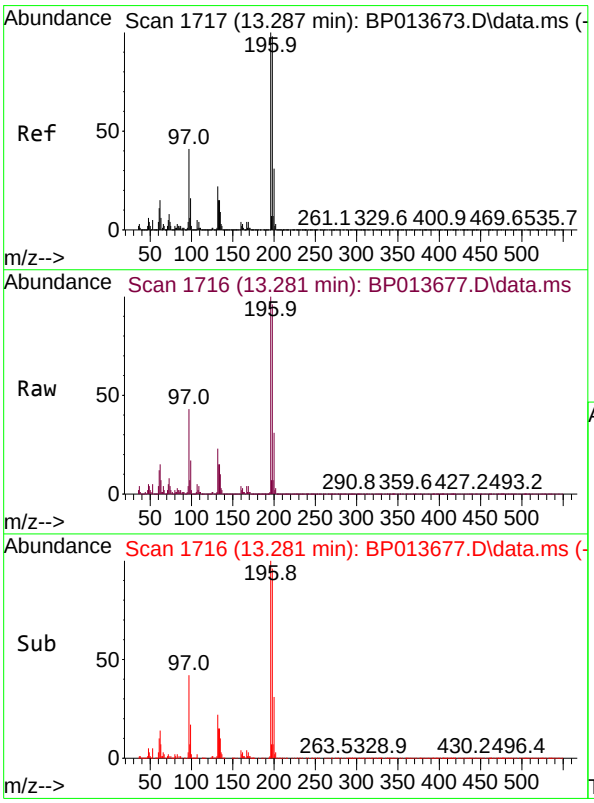
Ion	Ratio	Lower	Upper
196	100		
198	97.4	77.5	116.3
200	31.1	25.3	37.9



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

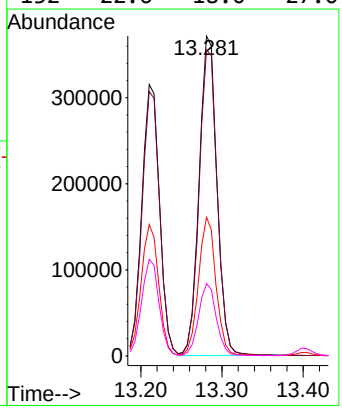
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

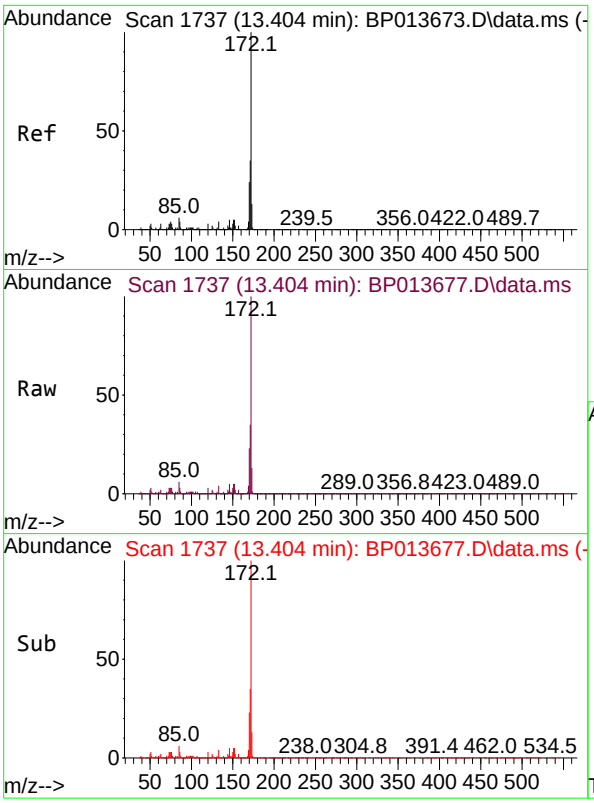


#44
2,4,5-Trichlorophenol
Concen: 41.409 ng
RT: 13.281 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:196 Resp: 567879

Ion	Ratio	Lower	Upper
196	100		
198	95.6	78.2	117.2
97	43.3	33.2	49.8
132	22.6	18.0	27.0

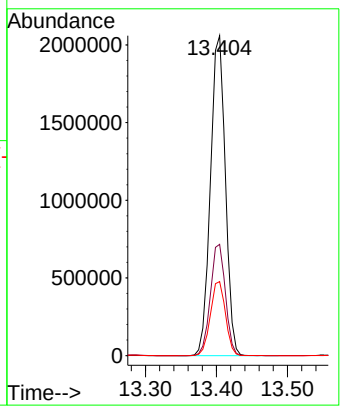




#45
2-Fluorobiphenyl
Concen: 80.872 ng
RT: 13.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:172 Resp: 301126

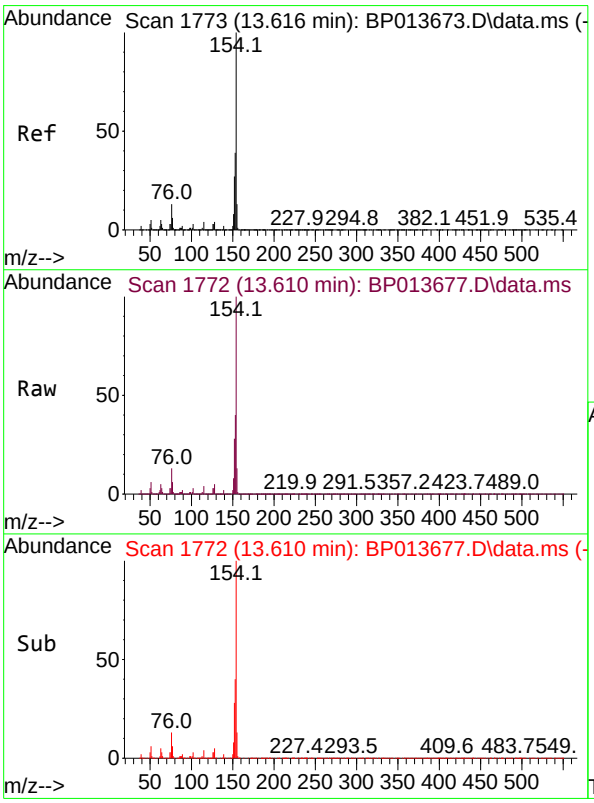
Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.2
170	23.1	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

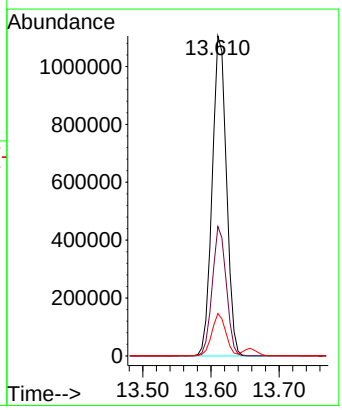
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

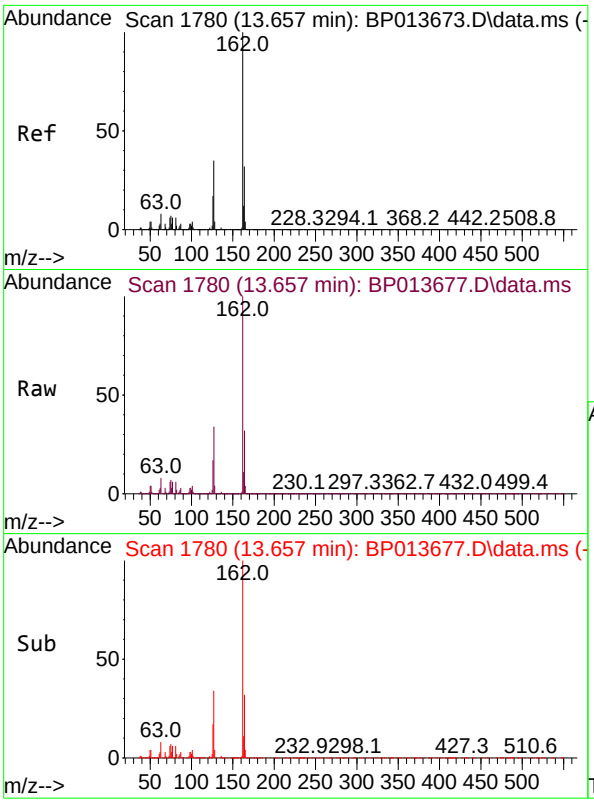


#46
1,1'-Biphenyl
Concen: 40.461 ng
RT: 13.610 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:154 Resp: 1595269

Ion	Ratio	Lower	Upper
154	100		
153	40.4	19.3	59.3
76	13.2	0.0	33.1

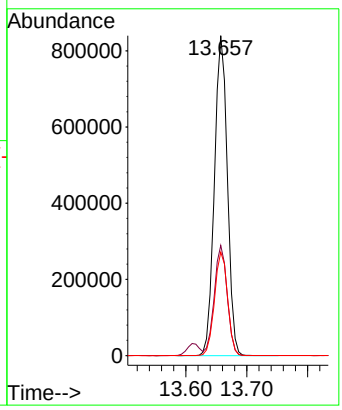




#47
2-Chloronaphthalene
Concen: 40.788 ng
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:162 Resp: 124308

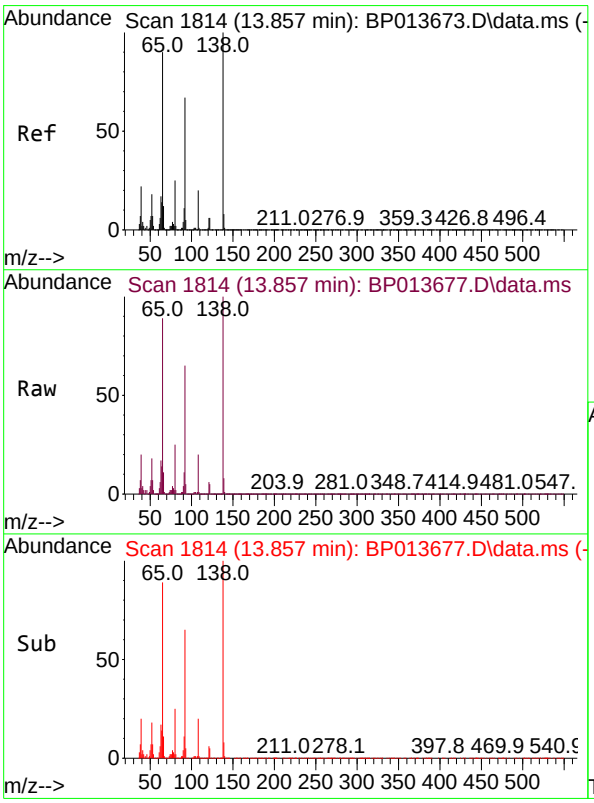
Ion	Ratio	Lower	Upper
162	100		
127	34.4	28.3	42.5
164	32.3	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations APPROVED

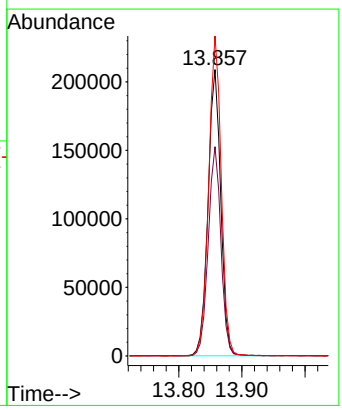
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

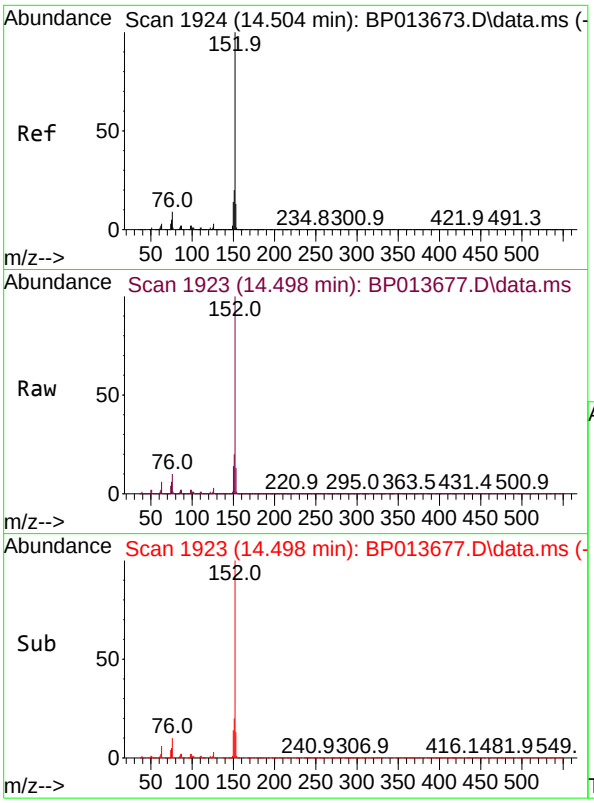


#48
2-Nitroaniline
Concen: 39.177 ng
RT: 13.857 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 65 Resp: 292897

Ion	Ratio	Lower	Upper
65	100		
92	73.1	59.4	89.0
138	111.8	88.6	133.0

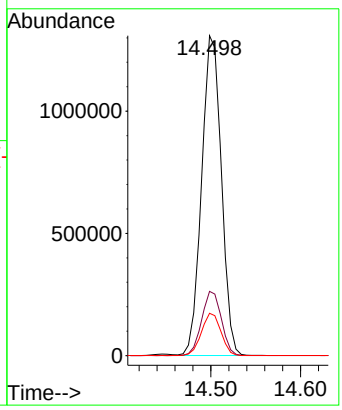




#49
Acenaphthylene
Concen: 40.679 ng
RT: 14.498 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:152 Resp: 199926

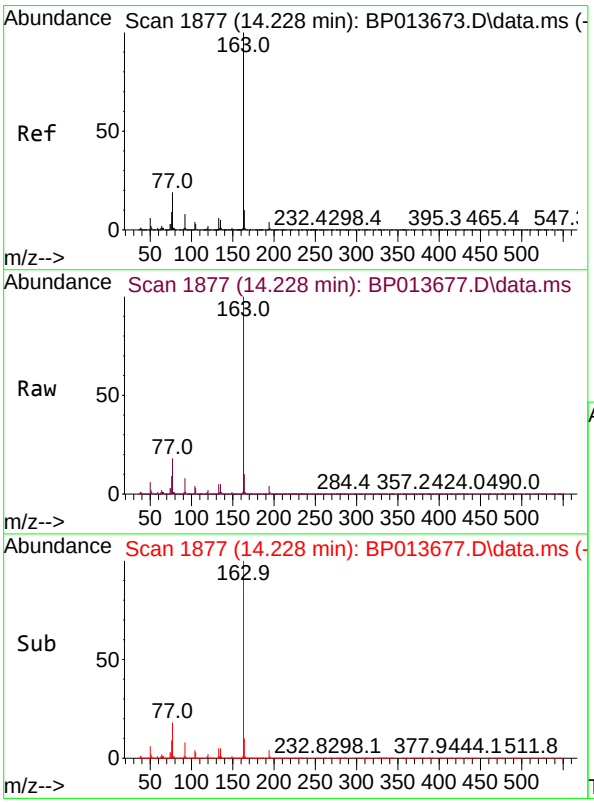
Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	13.2	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

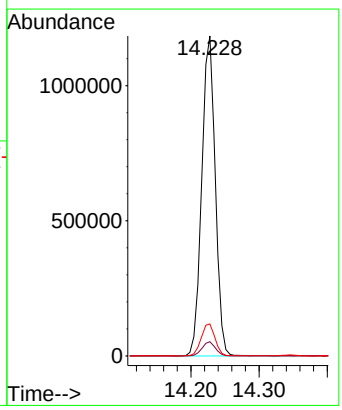
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

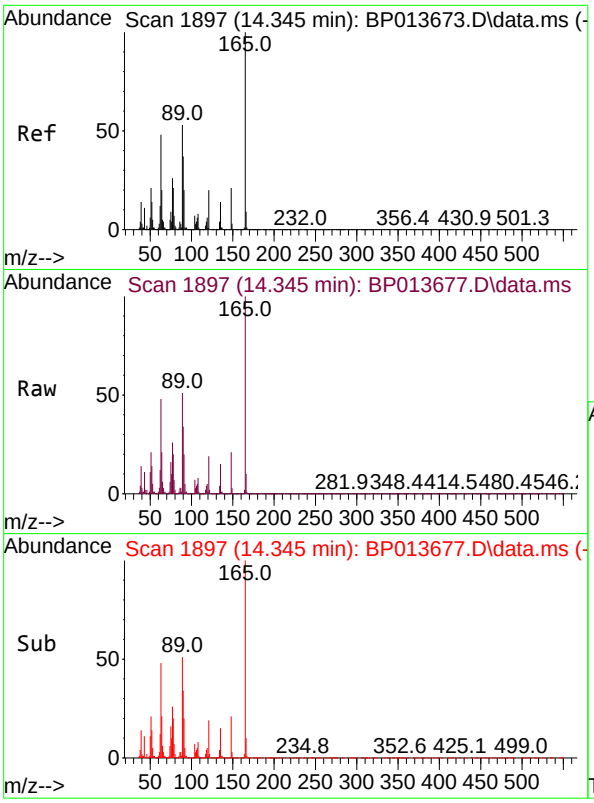


#50
Dimethylphthalate
Concen: 40.549 ng
RT: 14.228 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:163 Resp: 1634098

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.0	8.4	12.6





#51
2,6-Dinitrotoluene
Concen: 40.124 ng
RT: 14.345 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

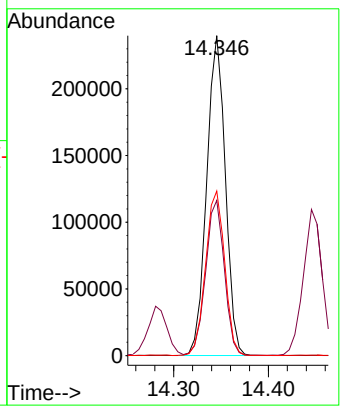
Tgt Ion:165 Resp: 327798

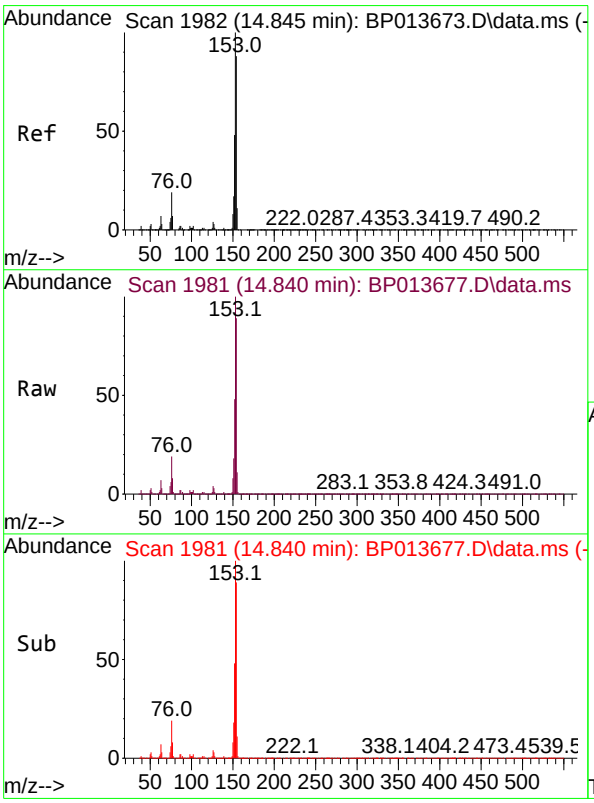
Ion	Ratio	Lower	Upper
165	100		
63	48.5	39.8	59.6
89	51.4	42.4	63.6

Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

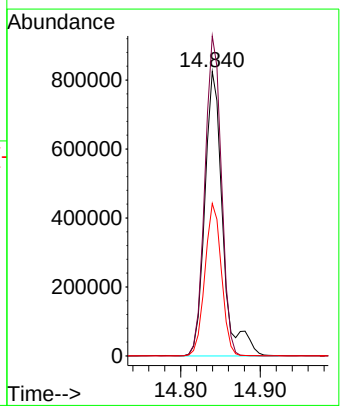


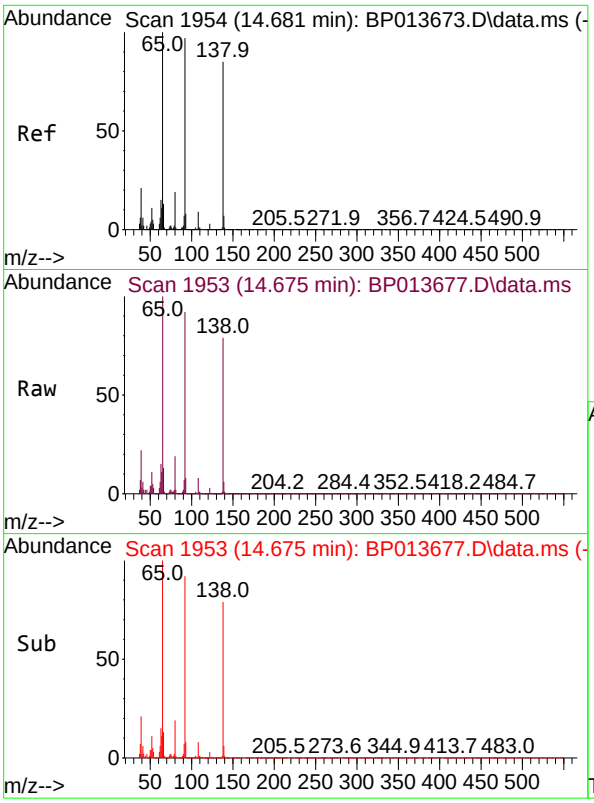


#52
Acenaphthene
Concen: 40.629 ng m
RT: 14.840 min Scan# 1981
Delta R.T. -0.005 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:154 Resp: 1285541

Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.6	135.8
152	53.6	43.4	65.0

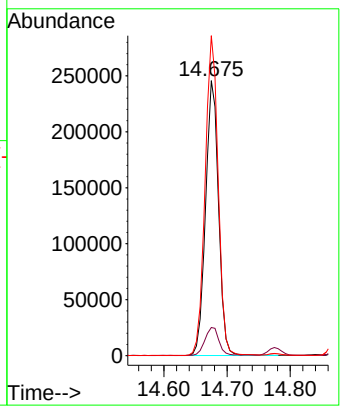




#53
3-Nitroaniline
Concen: 40.284 ng
RT: 14.675 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:138 Resp: 34972

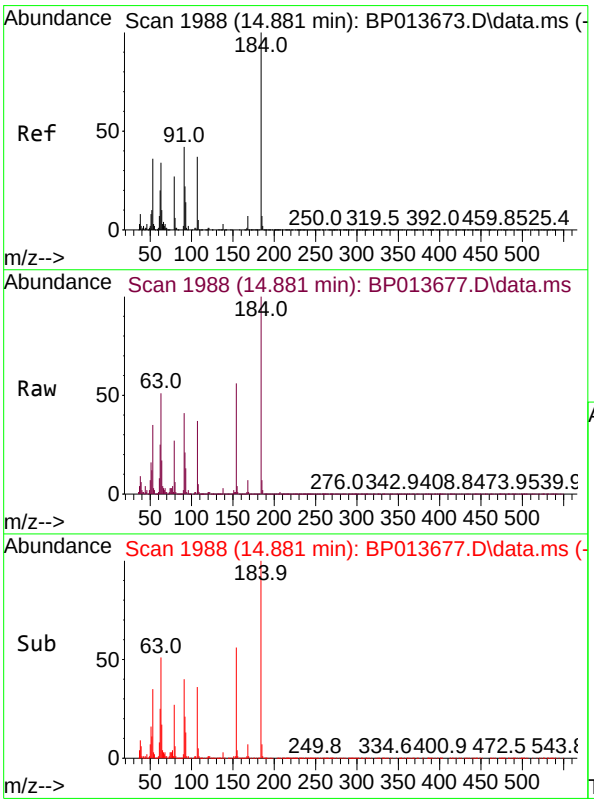
Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.5	12.7
92	116.3	91.5	137.3



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

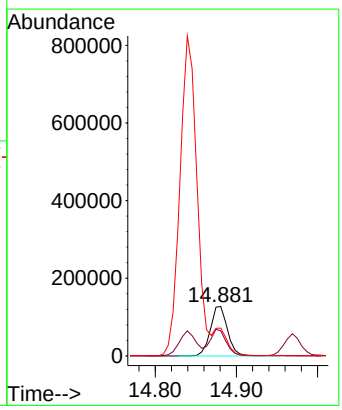
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

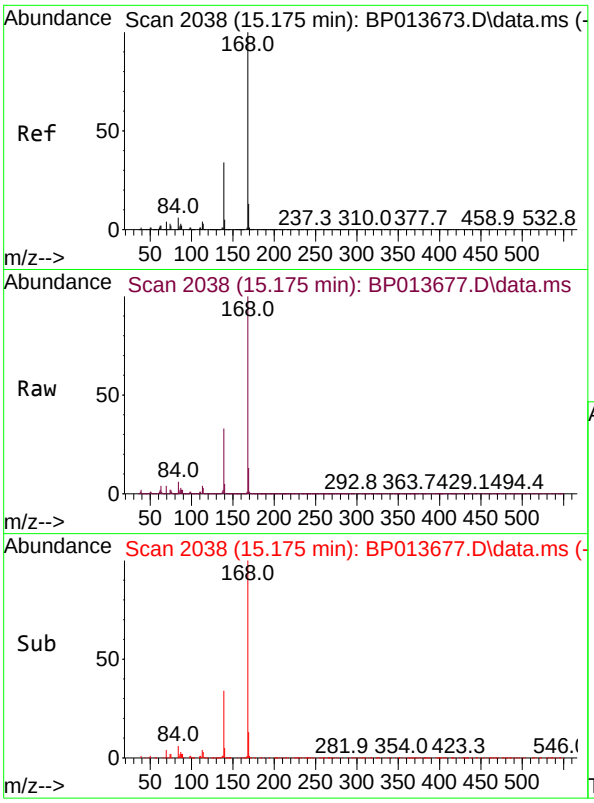


#54
2,4-Dinitrophenol
Concen: 38.845 ng
RT: 14.881 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:184 Resp: 186304

Ion	Ratio	Lower	Upper
184	100		
63	50.7	41.4	62.0
154	56.2	44.3	66.5

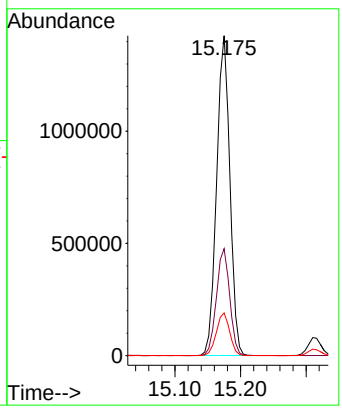




#55
Dibenzofuran
Concen: 40.481 ng
RT: 15.175 min Scan# 20
Delta R.T. -0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:168 Resp: 200457

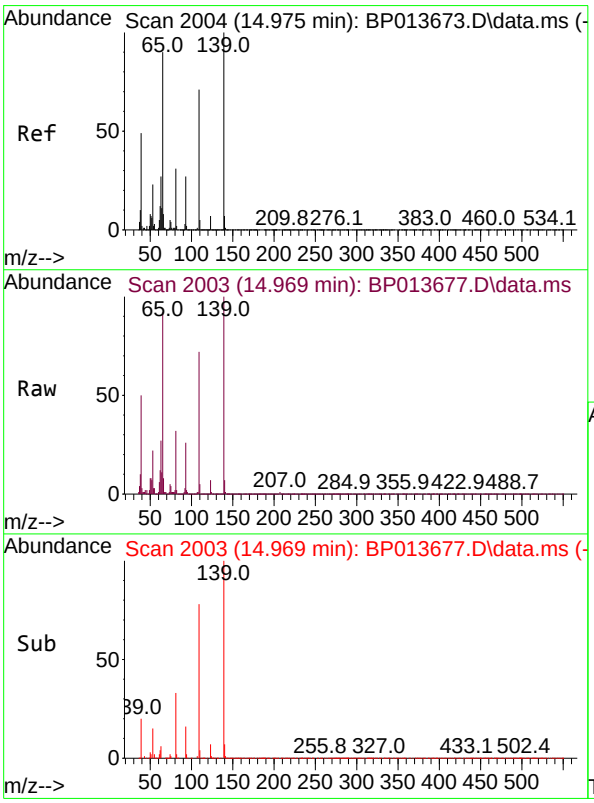
Ion	Ratio	Lower	Upper
168	100		
139	33.4	27.4	41.2
169	13.3	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

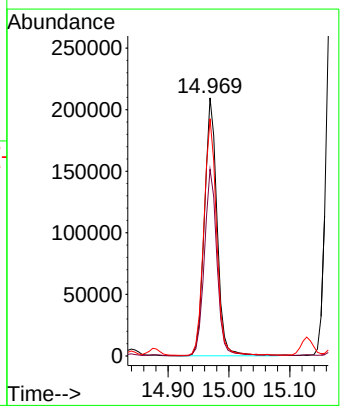
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

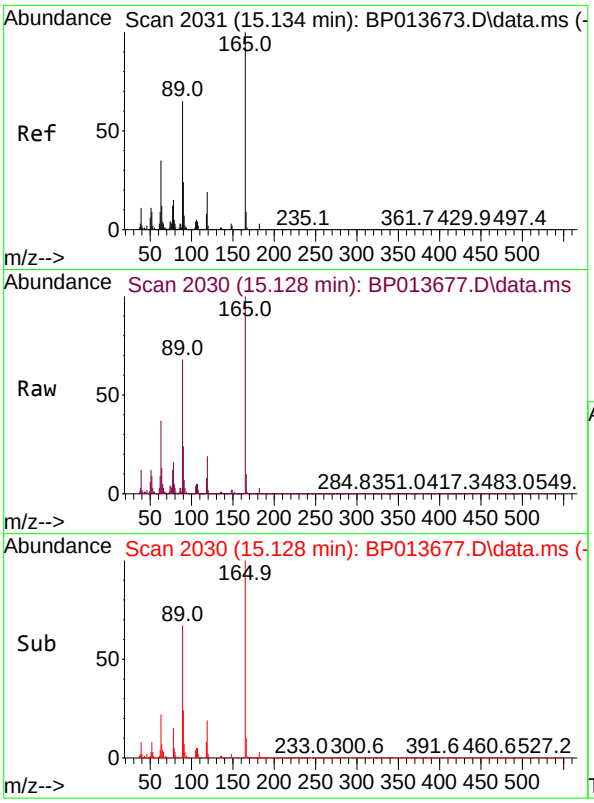


#56
4-Nitrophenol
Concen: 43.049 ng
RT: 14.969 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:139 Resp: 300789

Ion	Ratio	Lower	Upper
139	100		
109	72.4	50.9	90.9
65	91.9	70.0	110.0

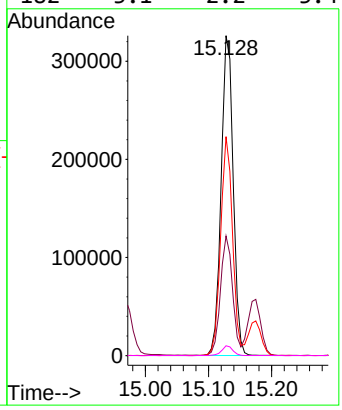




#57
2,4-Dinitrotoluene
Concen: 39.598 ng
RT: 15.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:165 Resp: 43130

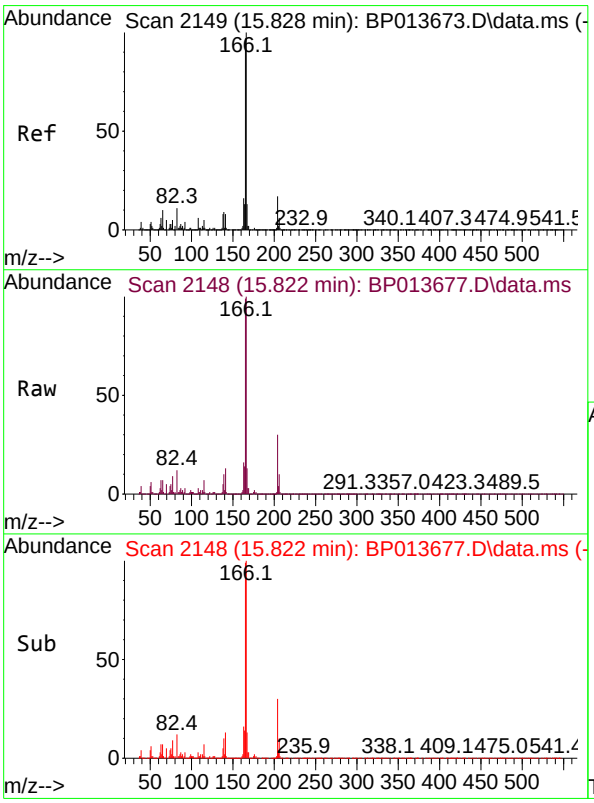
Ion	Ratio	Lower	Upper
165	100		
63	37.4	28.1	42.1
89	68.4	52.0	78.0
182	3.1	2.2	3.4



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

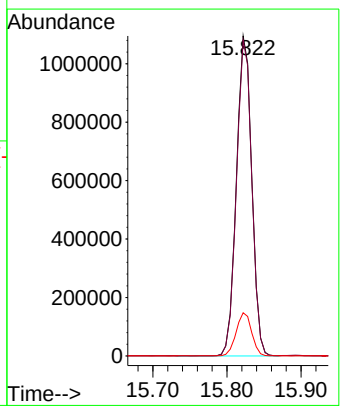
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

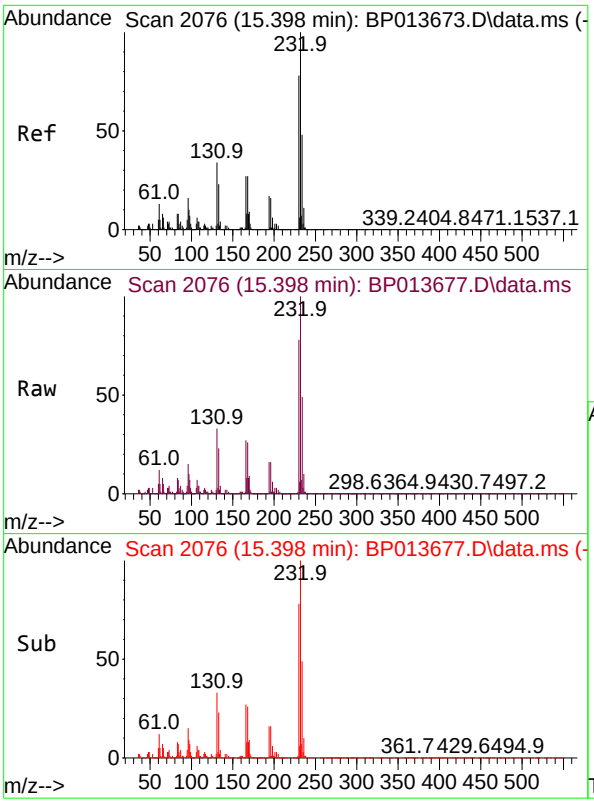


#58
Fluorene
Concen: 40.424 ng
RT: 15.822 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:166 Resp: 1571613

Ion	Ratio	Lower	Upper
166	100		
165	98.6	77.6	116.4
167	13.5	10.6	15.8

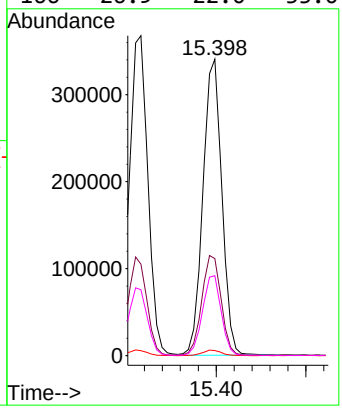




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.741 ng
RT: 15.398 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:232 Resp: 49775

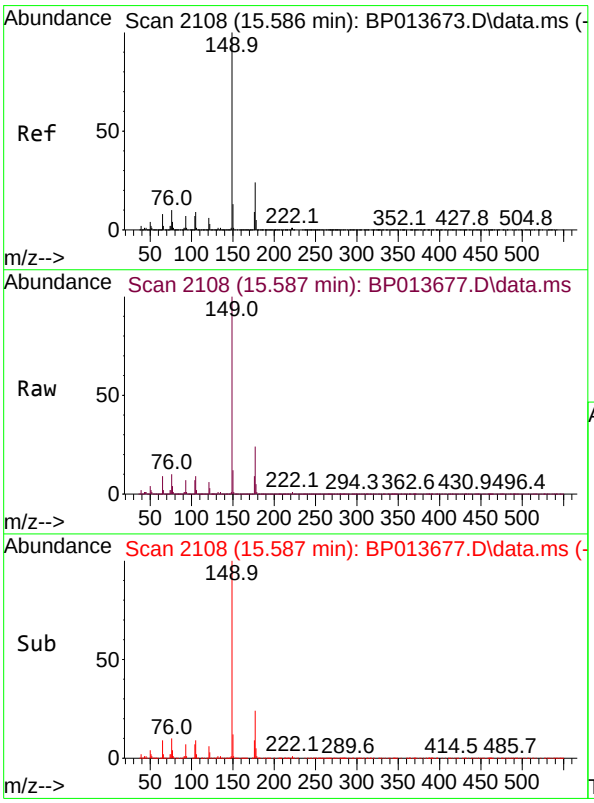
Ion	Ratio	Lower	Upper
232	100		
131	34.5	27.9	41.9
130	1.9	1.4	2.0
166	26.9	22.0	33.0



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

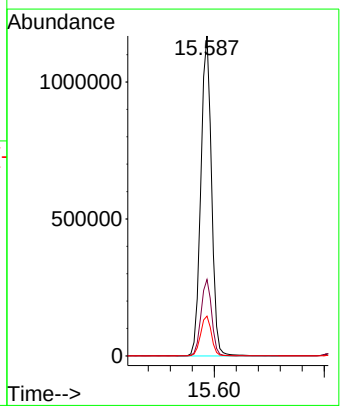
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

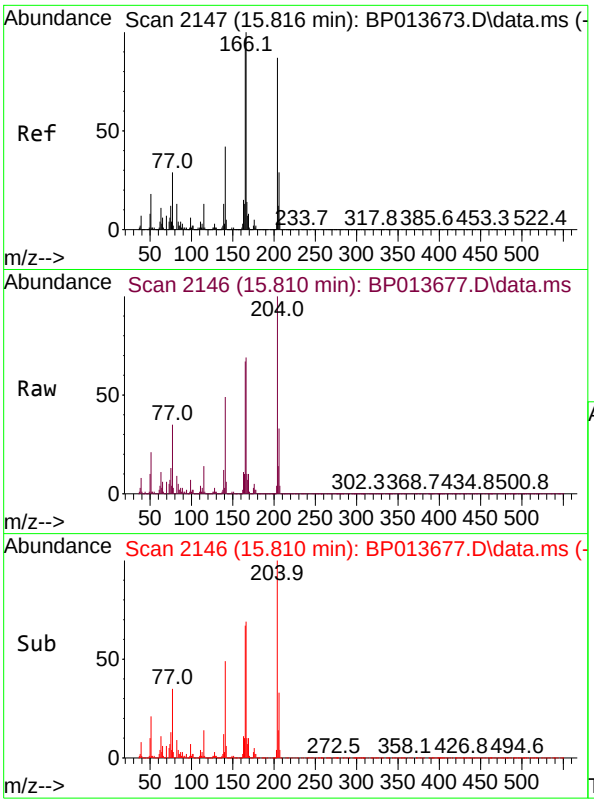


#60
Diethylphthalate
Concen: 40.521 ng
RT: 15.587 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:149 Resp: 1565452

Ion	Ratio	Lower	Upper
149	100		
177	23.9	19.2	28.8
150	12.4	10.1	15.1

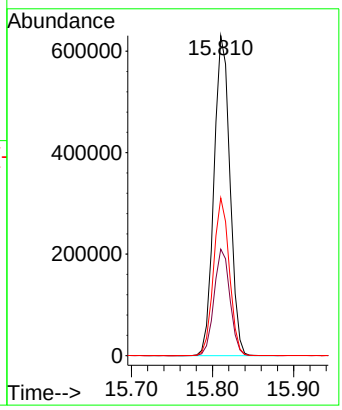




#61
4-Chlorophenyl-phenylether
Concen: 40.607 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:204 Resp: 85969

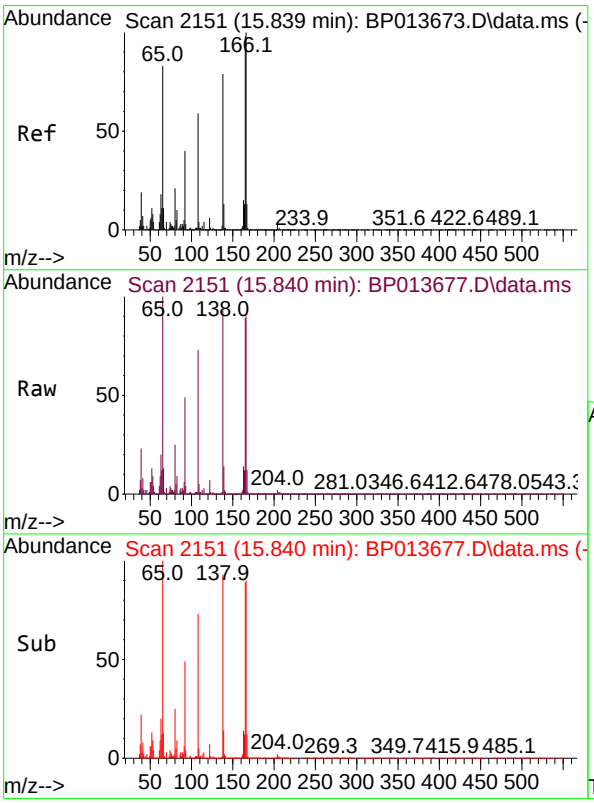
Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.6	40.0
141	49.3	38.1	57.1



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

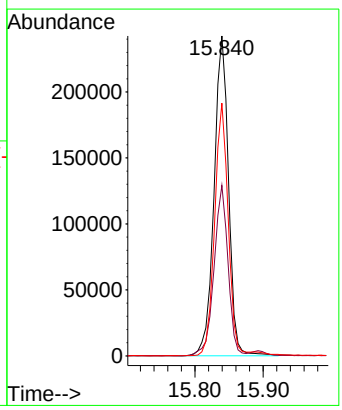
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

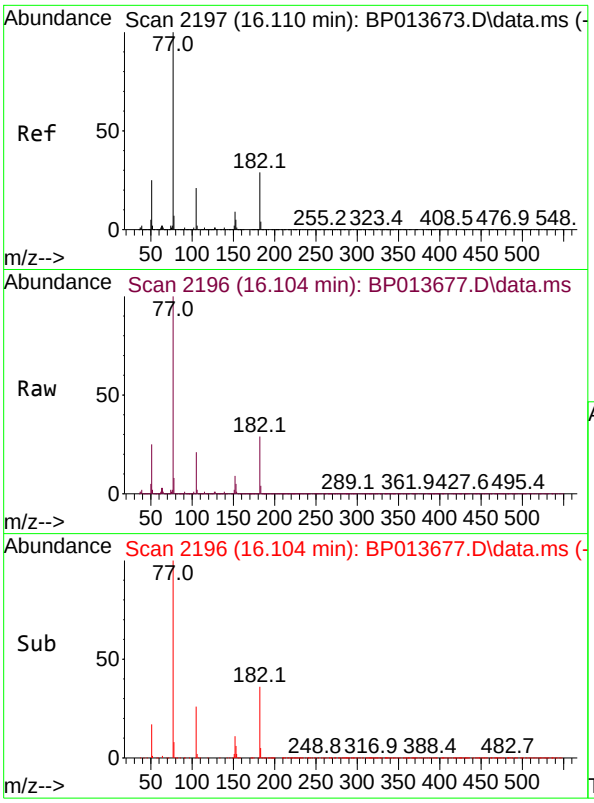


#62
4-Nitroaniline
Concen: 40.916 ng
RT: 15.840 min Scan# 2151
Delta R.T. 0.001 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:138 Resp: 356714

Ion	Ratio	Lower	Upper
138	100		
92	53.3	30.3	70.3
108	79.0	55.4	95.4

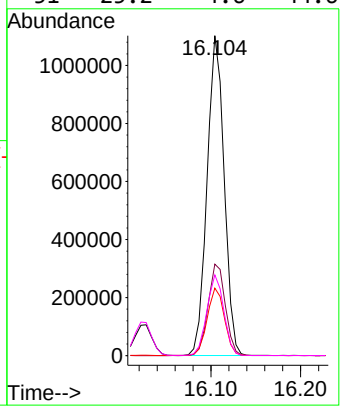




#63
Azobenzene
Concen: 40.807 ng
RT: 16.104 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion: 77 Resp: 145631

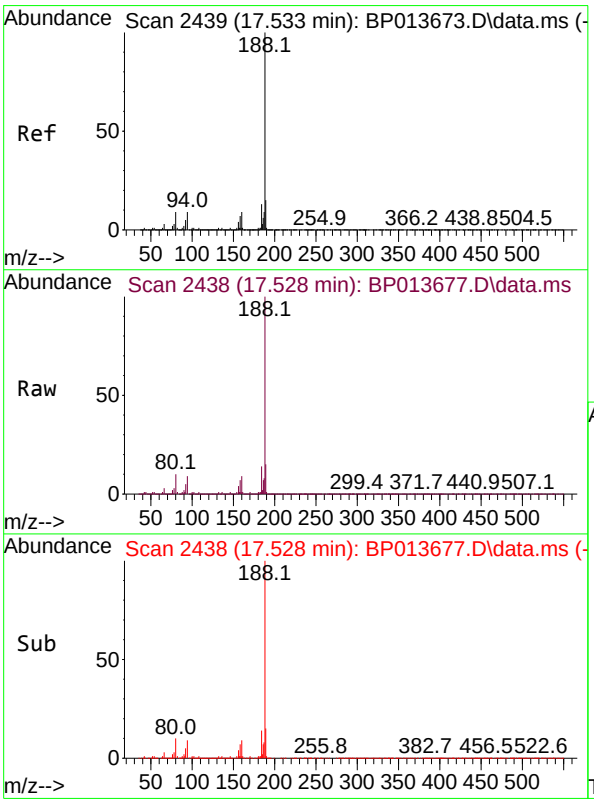
Ion	Ratio	Lower	Upper
77	100		
182	28.6	9.3	49.3
105	21.1	1.1	41.1
51	25.2	4.6	44.6



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

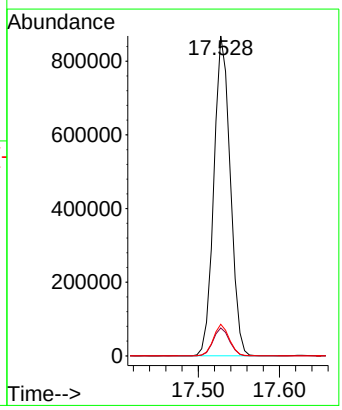
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

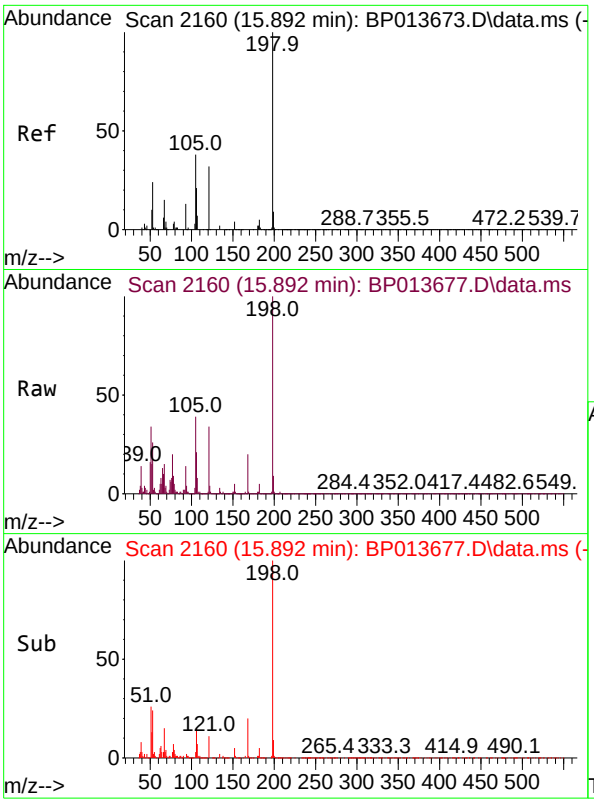


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.528 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:188 Resp: 1221175

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.9	10.3
80	9.9	7.4	11.0





#65
4,6-Dinitro-2-methylphenol
Concen: 38.788 ng
RT: 15.892 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

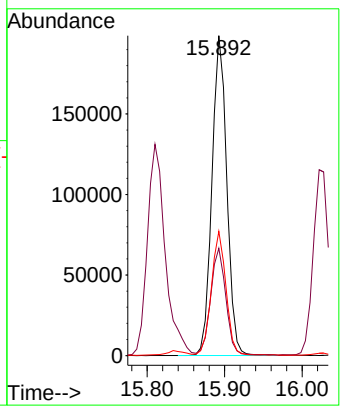
Instrument :
BNA_P
ClientSampleId :
ICVBP013123

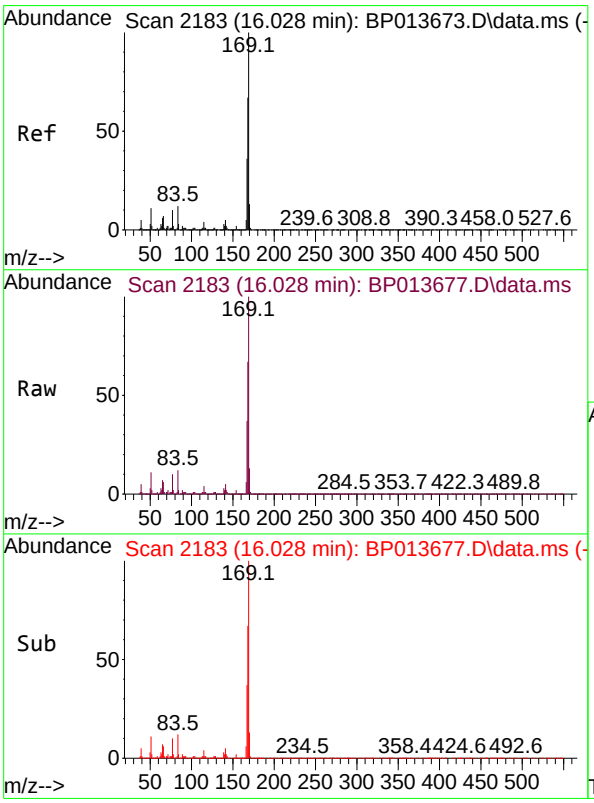
Tgt Ion:198 Resp: 26554

Ion	Ratio	Lower	Upper
198	100		
51	33.5	15.4	55.4
105	38.8	18.3	58.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

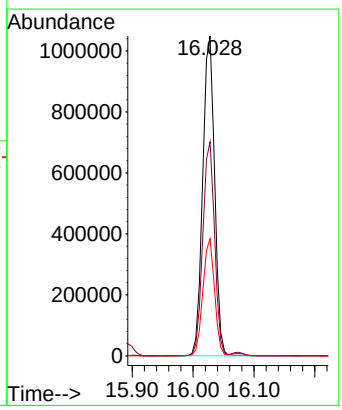


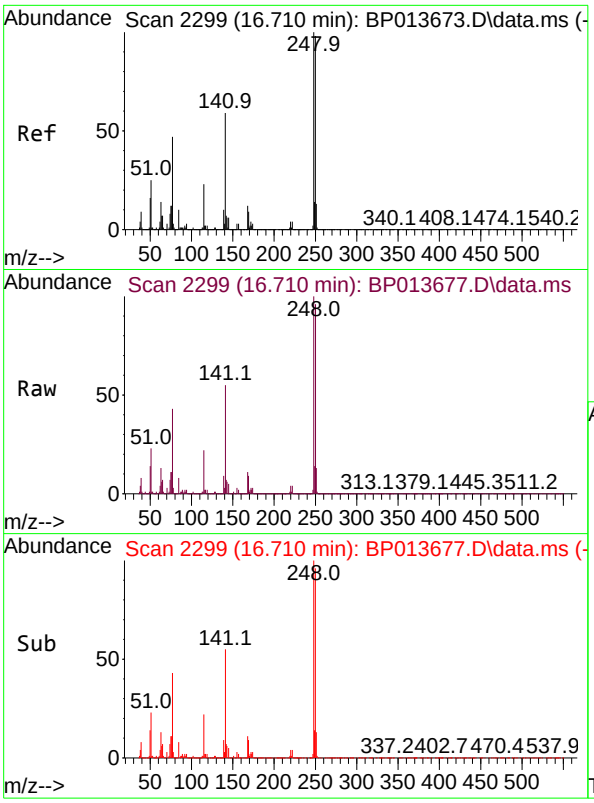


#66
n-Nitrosodiphenylamine
Concen: 39.855 ng
RT: 16.028 min Scan# 2183
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:169 Resp: 1416115

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.8	80.6
167	36.6	28.9	43.3

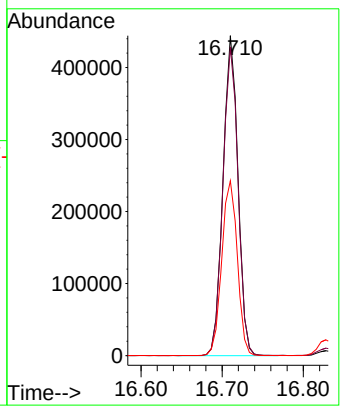




#67
4-Bromophenyl-phenylether
Concen: 40.538 ng
RT: 16.710 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:248 Resp: 56747

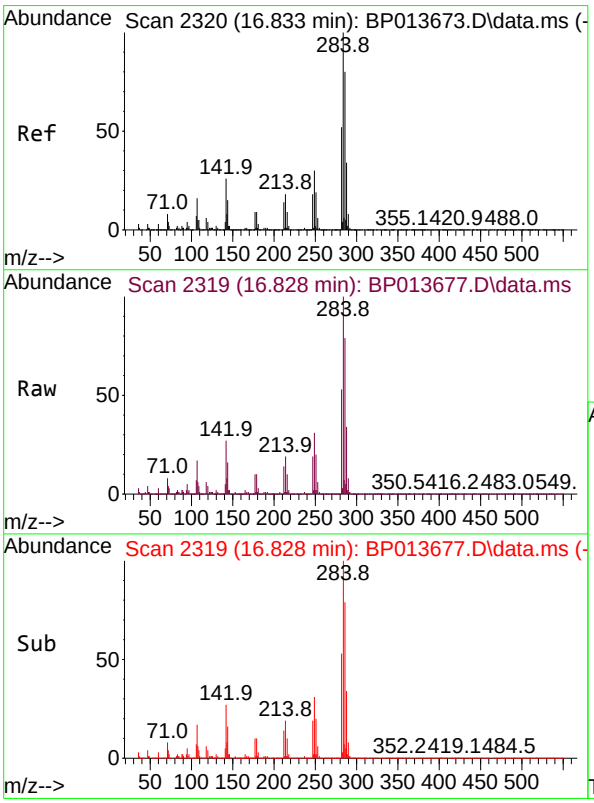
Ion	Ratio	Lower	Upper
248	100		
250	96.5	78.2	117.2
141	54.6	46.8	70.2



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

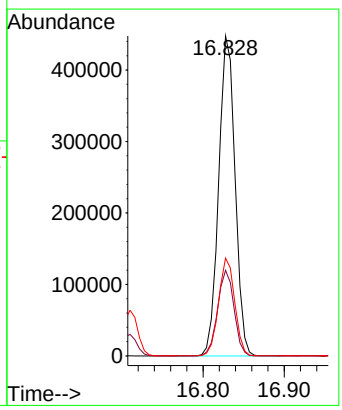
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

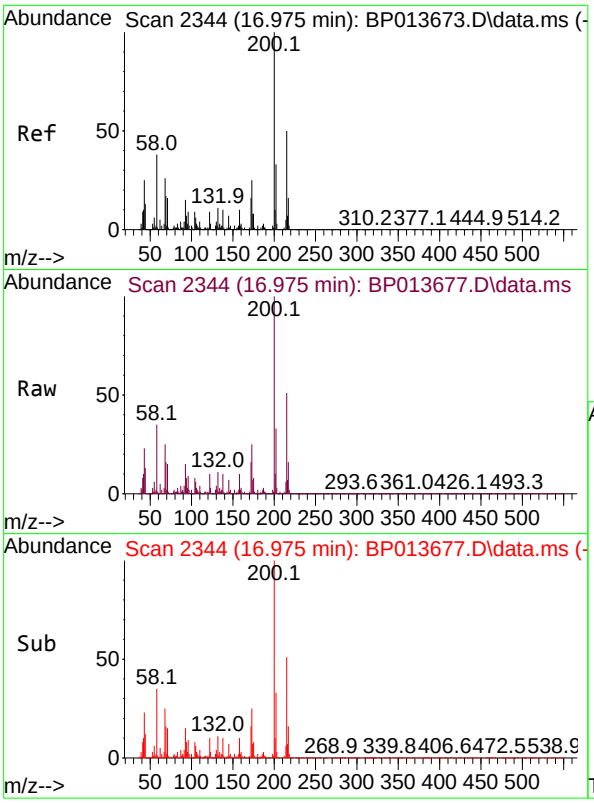


#68
Hexachlorobenzene
Concen: 40.353 ng
RT: 16.828 min Scan# 2319
Delta R.T. -0.005 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:284 Resp: 625521

Ion	Ratio	Lower	Upper
284	100		
142	26.7	20.6	31.0
249	30.6	23.9	35.9





#69
Atrazine
Concen: 43.303 ng
RT: 16.975 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

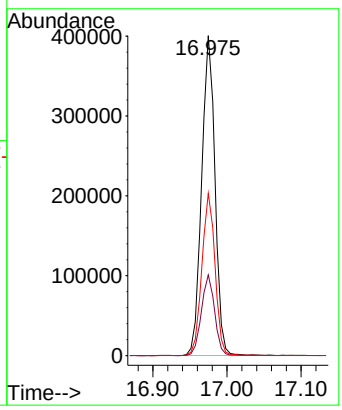
Instrument :
BNA_P
ClientSampleId :
ICVBP013123

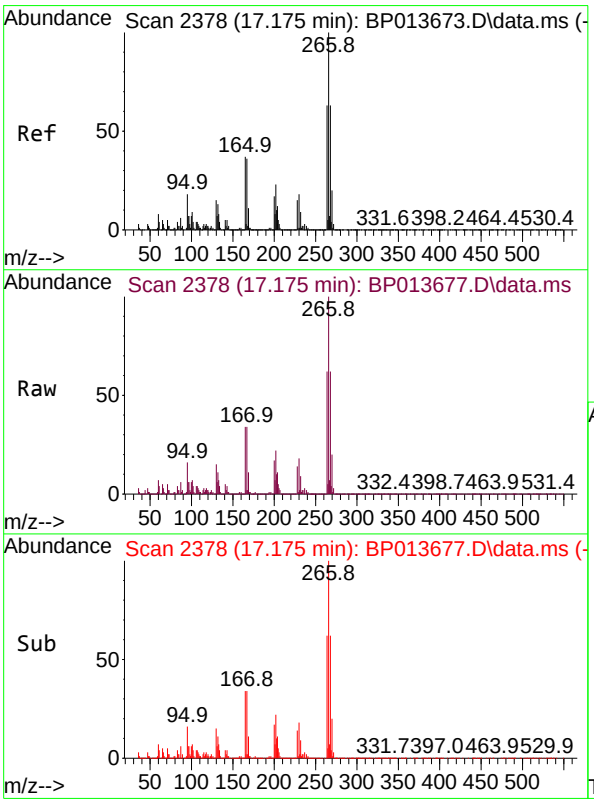
Tgt Ion:200 Resp: 50067

Ion	Ratio	Lower	Upper
200	100		
173	25.2	5.2	45.2
215	50.7	29.8	69.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

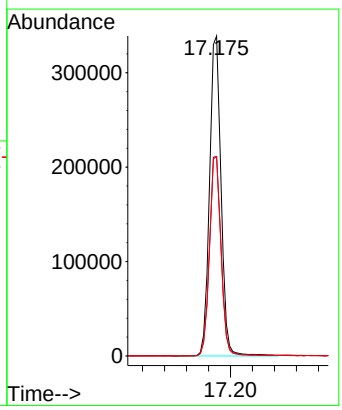


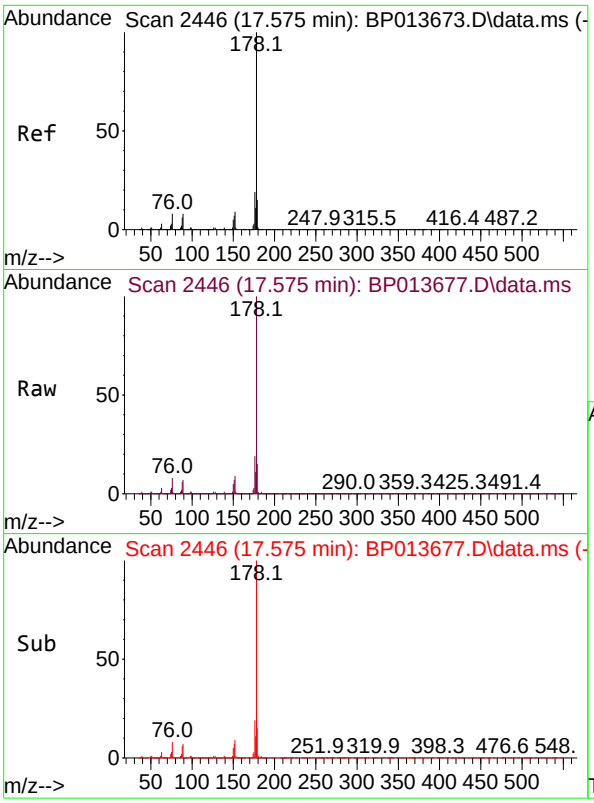


#70
Pentachlorophenol
Concen: 42.900 ng
RT: 17.175 min Scan# 2378
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:266 Resp: 490533

Ion	Ratio	Lower	Upper
266	100		
268	62.4	50.7	76.1
264	62.2	50.5	75.7

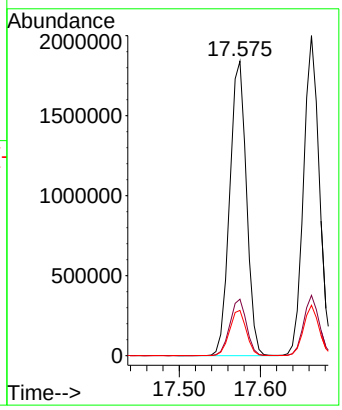




#71
Phenanthrene
Concen: 40.277 ng
RT: 17.575 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:178 Resp: 263632

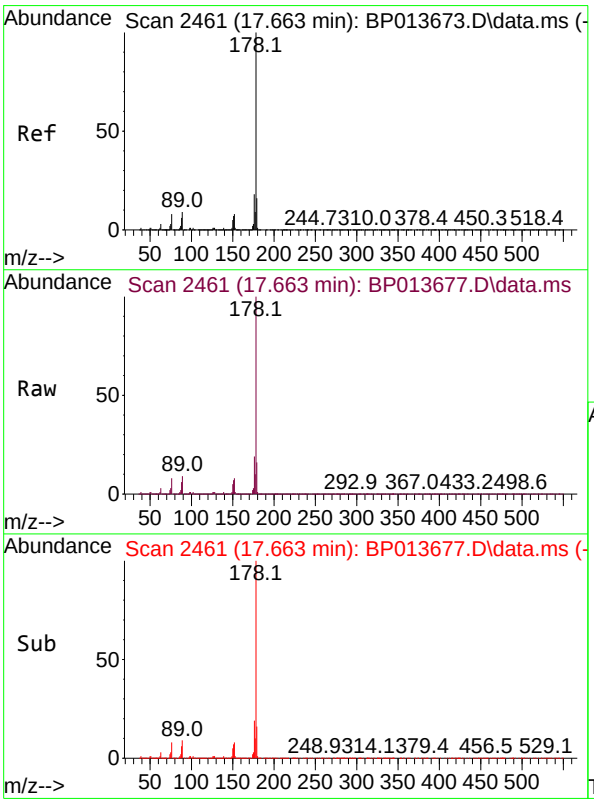
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.4	12.2	18.2



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

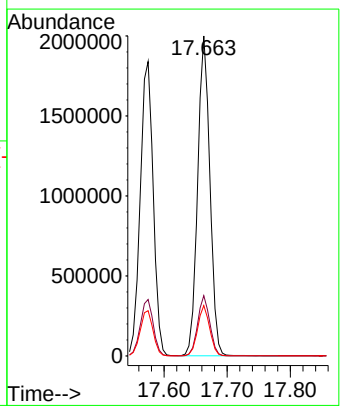
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

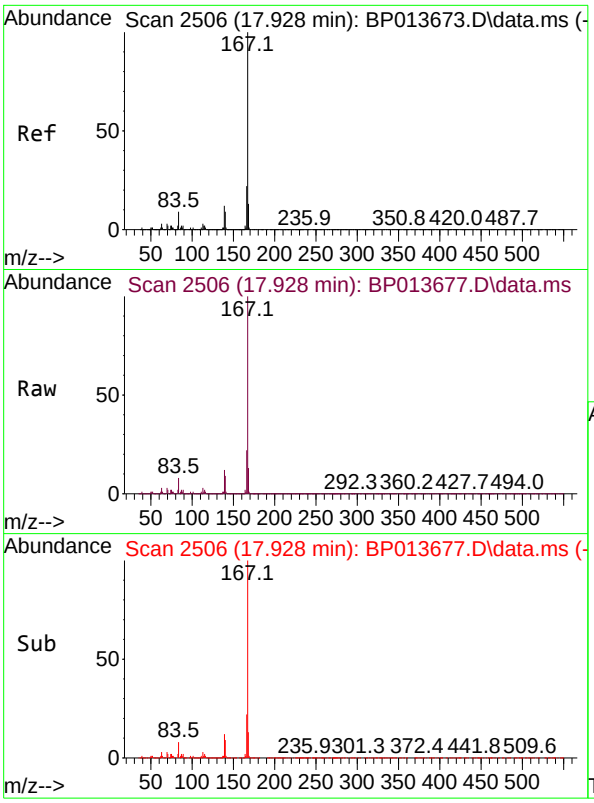


#72
Anthracene
Concen: 40.729 ng
RT: 17.663 min Scan# 2461
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:178 Resp: 2691430

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.7	12.4	18.6

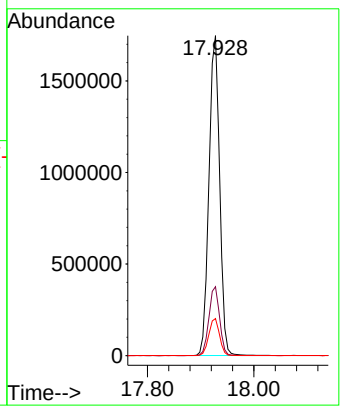




#73
Carbazole
Concen: 40.564 ng
RT: 17.928 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:167 Resp: 243400

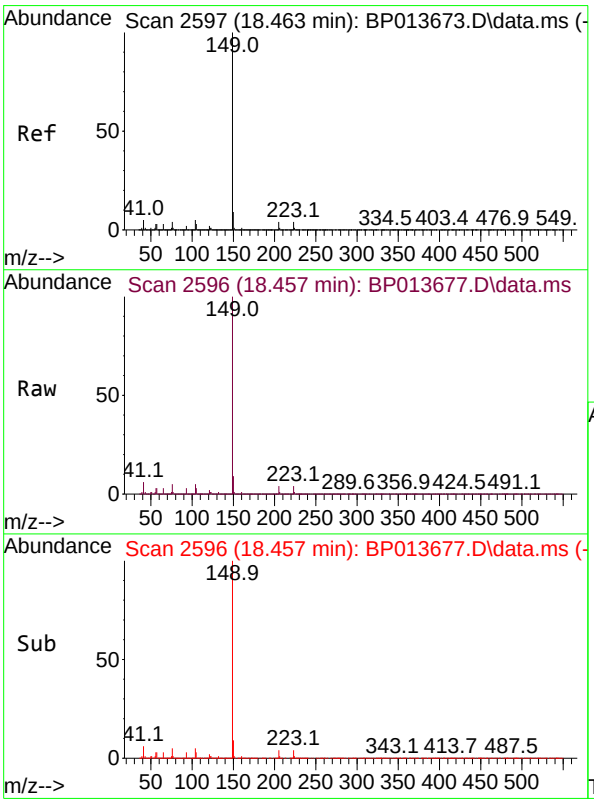
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.4	26.0
139	11.6	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

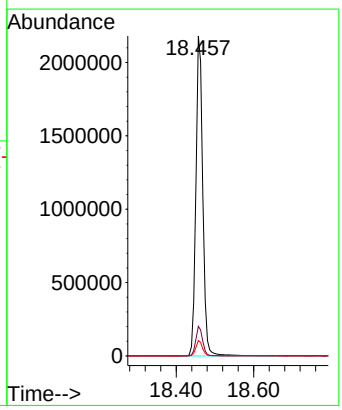
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

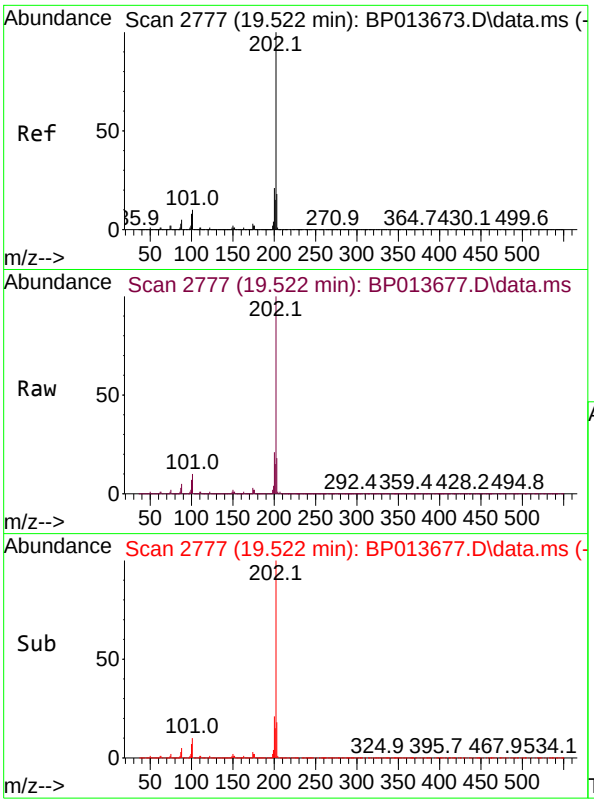


#74
Di-n-butylphthalate
Concen: 40.958 ng
RT: 18.457 min Scan# 2596
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:149 Resp: 2689433

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.8	3.8	5.6

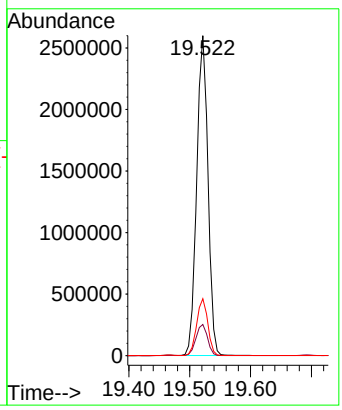




#75
Fluoranthene
Concen: 40.989 ng
RT: 19.522 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:202 Resp: 3340151

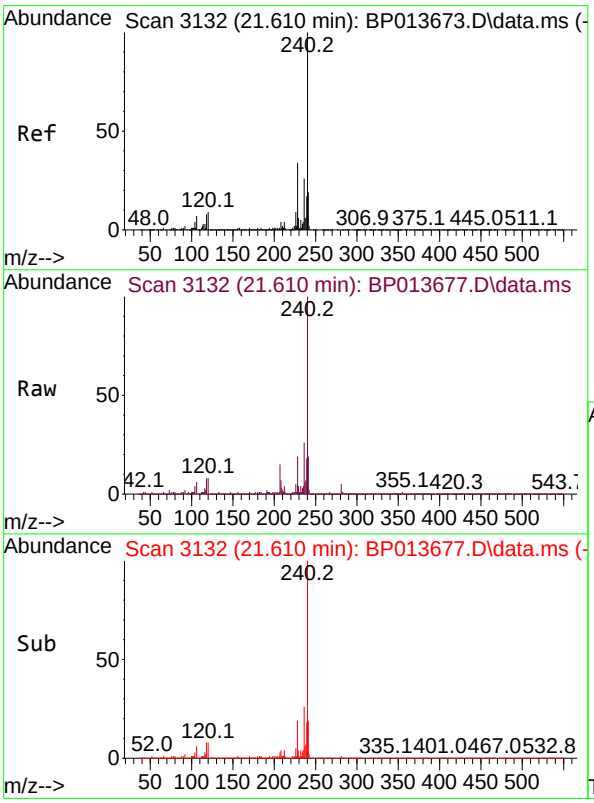
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	30.2
203	17.8	0.0	37.9



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

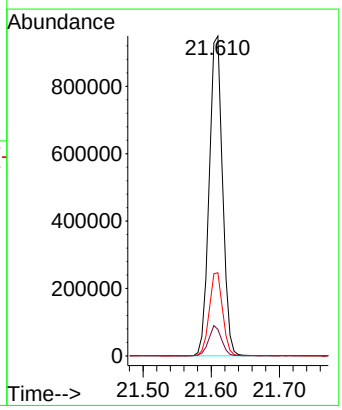
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

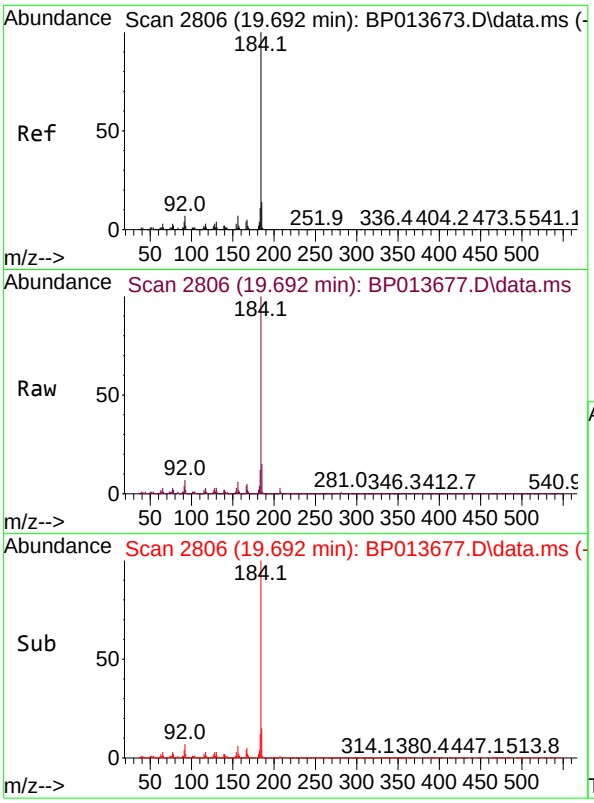


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3132
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:240 Resp: 1287651

Ion	Ratio	Lower	Upper
240	100		
120	8.3	7.4	11.0
236	26.0	20.6	30.8

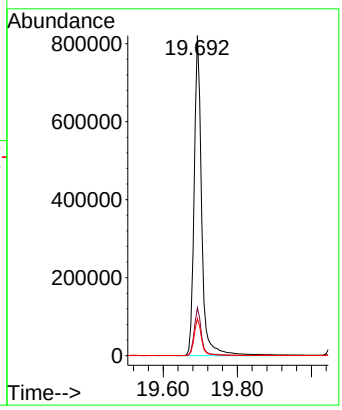




#77
Benzidine
Concen: 41.348 ng
RT: 19.692 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:184 Resp: 114999

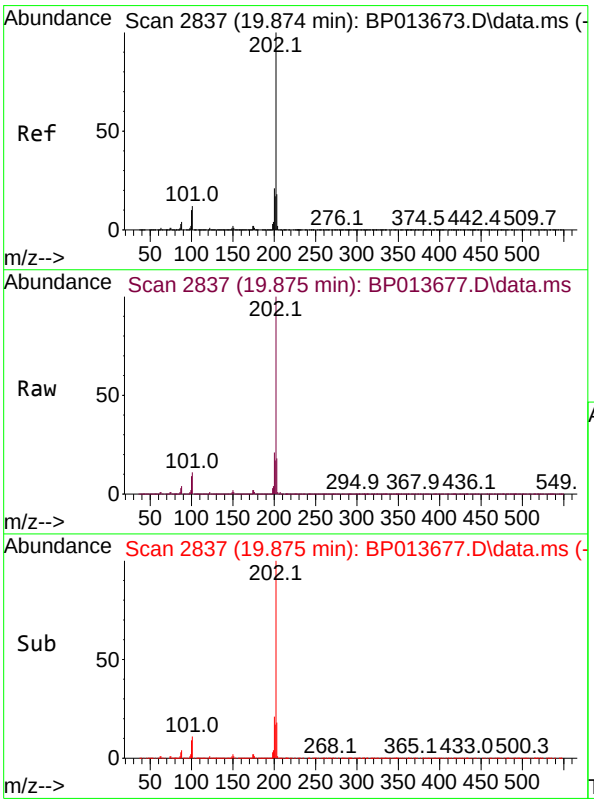
Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.4	17.2
183	11.6	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

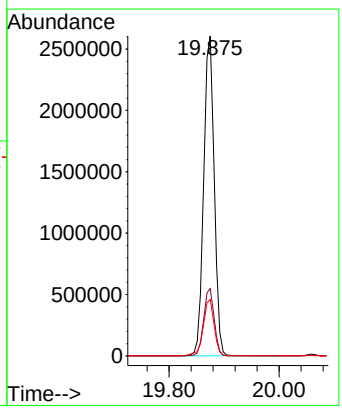
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

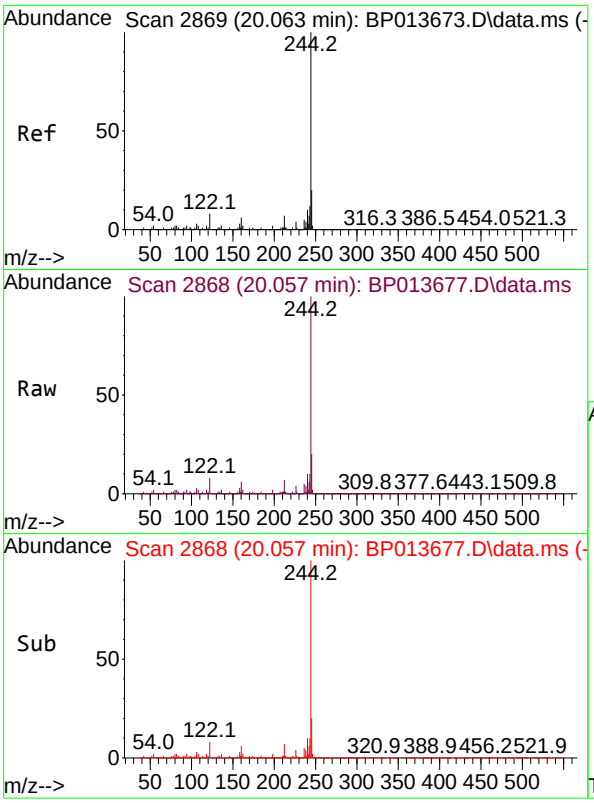


#78
Pyrene
Concen: 40.075 ng
RT: 19.875 min Scan# 2837
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:202 Resp: 3471767

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.6	14.0	21.0

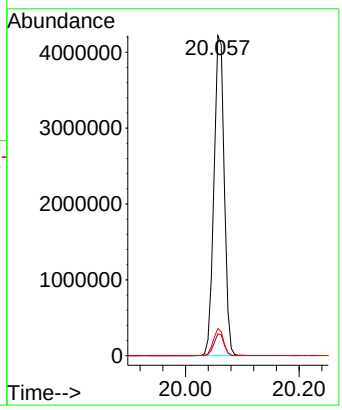




#79
Terphenyl-d14
Concen: 82.130 ng
RT: 20.057 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:244 Resp: 5325714

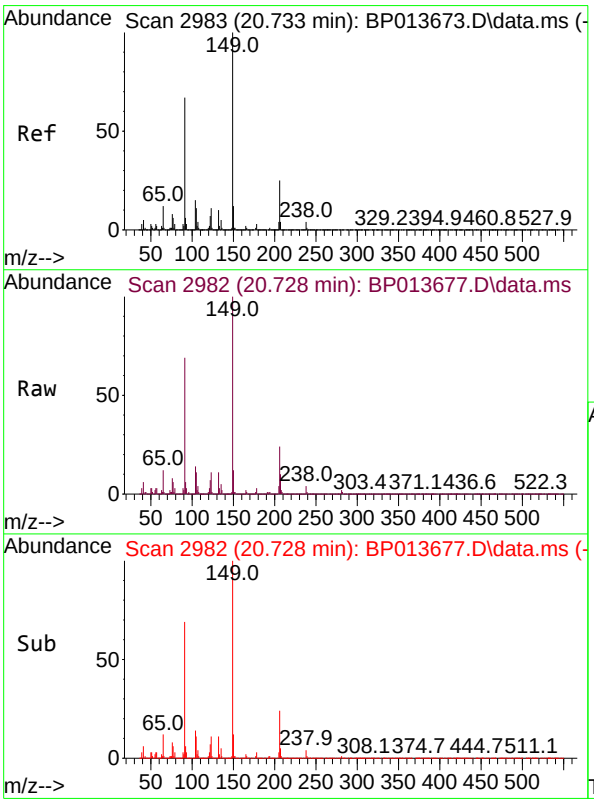
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	8.5	6.5	9.7



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

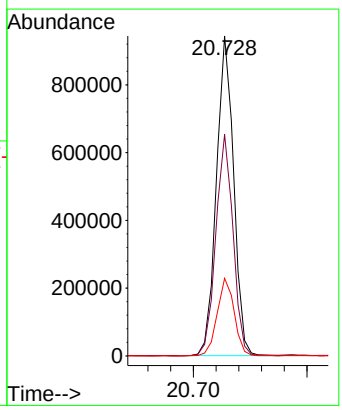
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

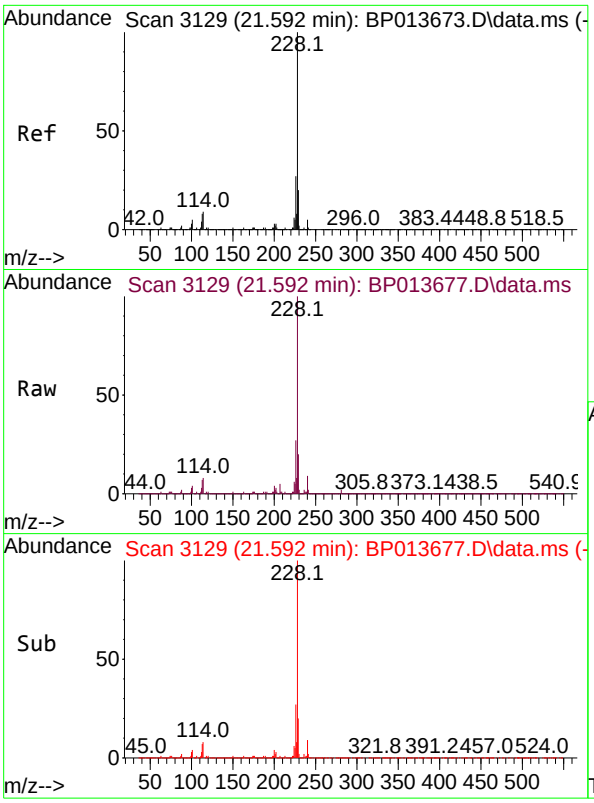


#80
Butylbenzylphthalate
Concen: 41.894 ng
RT: 20.728 min Scan# 2982
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:149 Resp: 990780

Ion	Ratio	Lower	Upper
149	100		
91	69.2	54.0	81.0
206	24.2	19.8	29.8

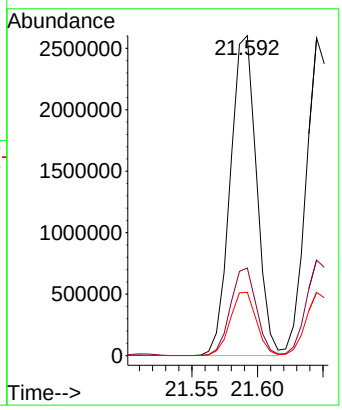




#81
Benzo(a)anthracene
Concen: 40.474 ng
RT: 21.592 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:228 Resp: 361998

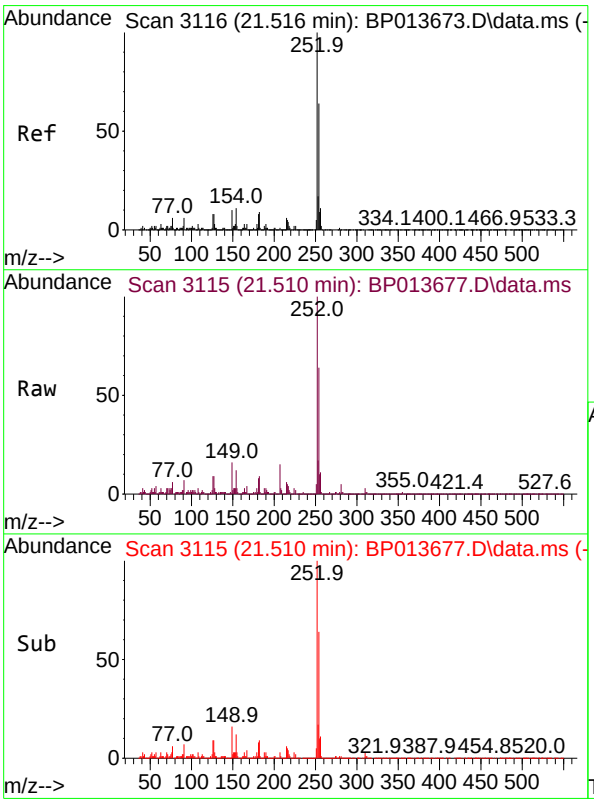
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	19.8	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

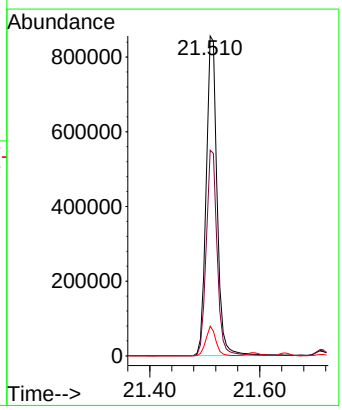
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

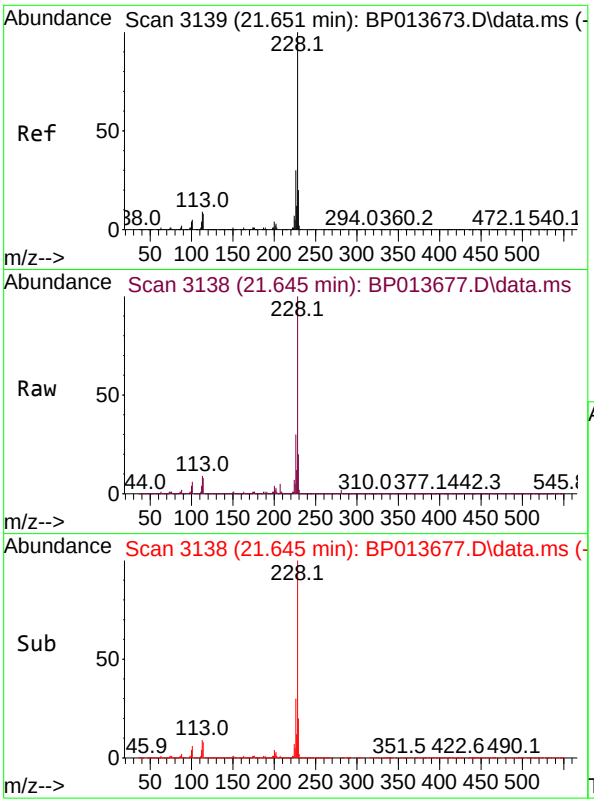


#82
3,3'-Dichlorobenzidine
Concen: 41.710 ng
RT: 21.510 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:252 Resp: 1179403

Ion	Ratio	Lower	Upper
252	100		
254	64.3	50.9	76.3
126	9.3	6.7	10.1

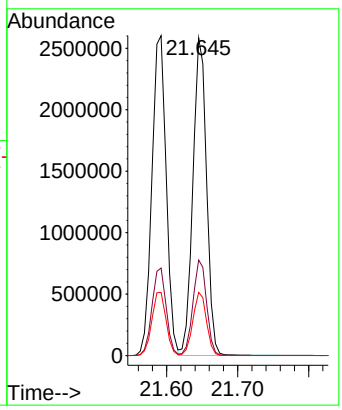




#83
Chrysene
Concen: 40.301 ng
RT: 21.645 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:228 Resp: 343412

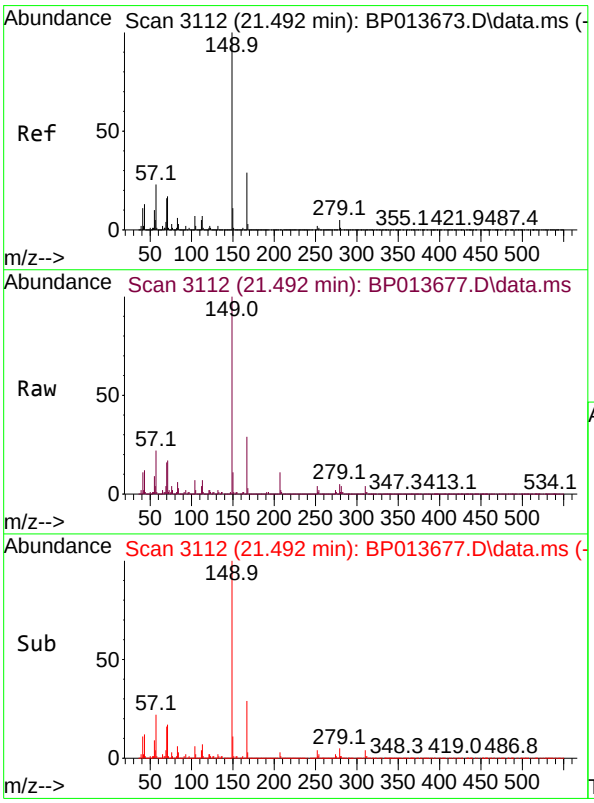
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.9	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

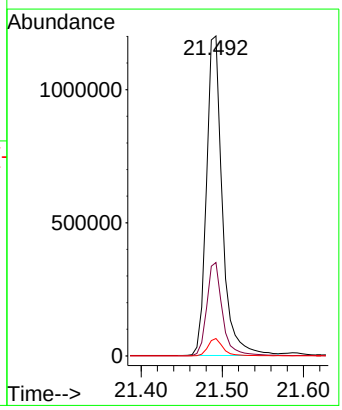
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

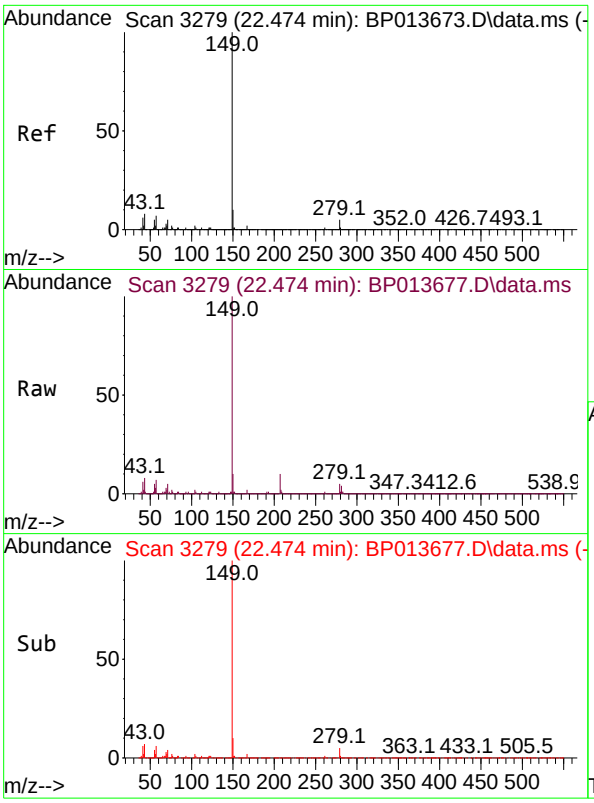


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.578 ng
RT: 21.492 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:149 Resp: 1633985

Ion	Ratio	Lower	Upper
149	100		
167	29.2	23.0	34.6
279	5.4	3.9	5.9

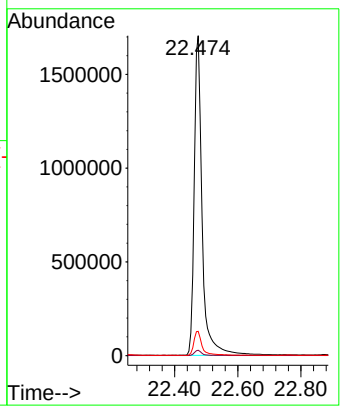




#85
Di-n-octyl phthalate
Concen: 40.522 ng
RT: 22.474 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:149 Resp: 297965

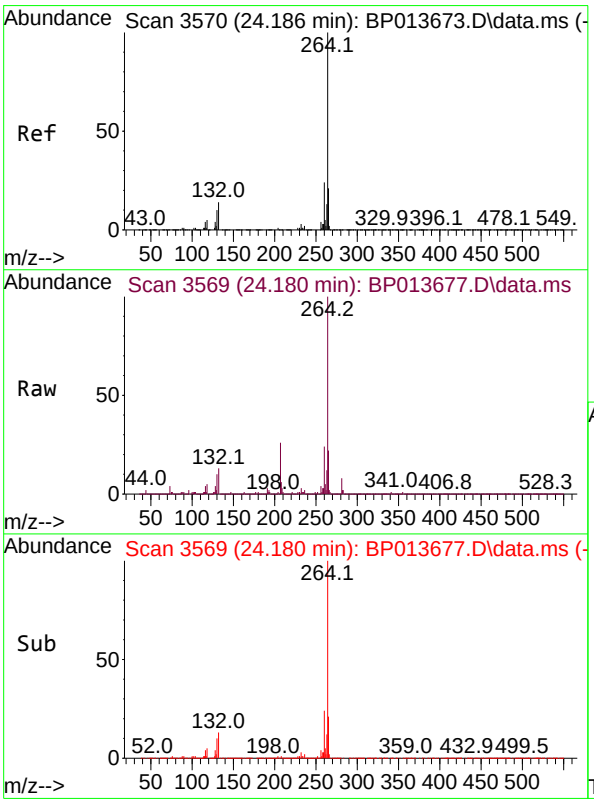
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

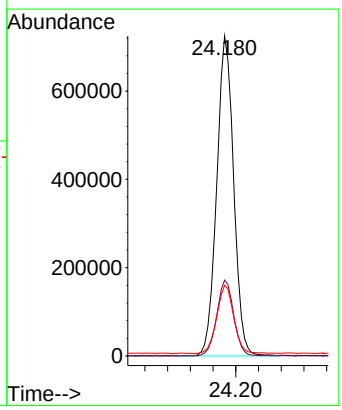
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

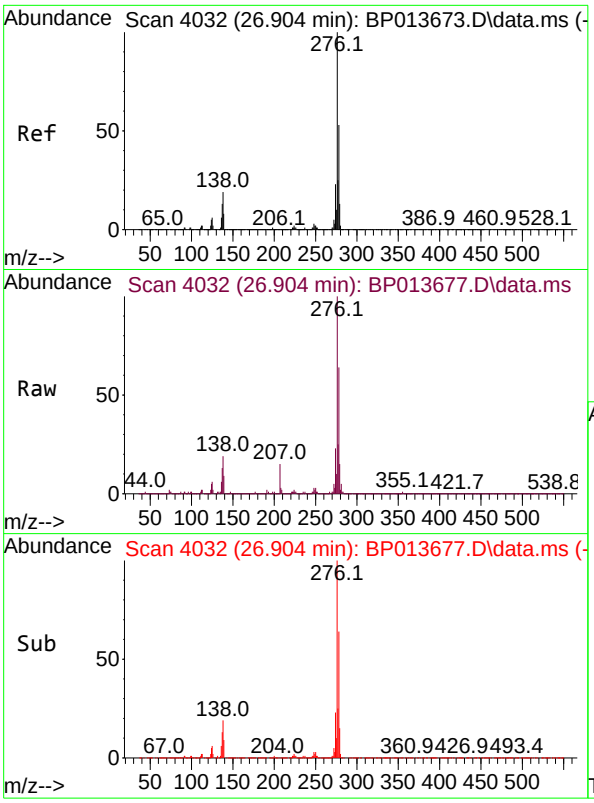


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.180 min Scan# 3569
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:264 Resp: 1499661

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	22.1	17.4	26.0

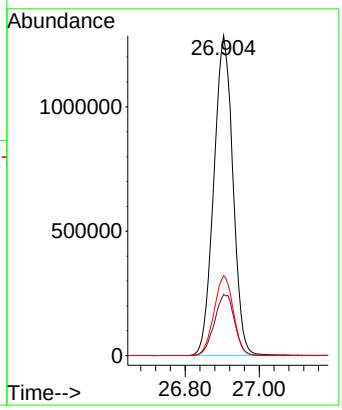




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.414 ng
RT: 26.904 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:276 Resp: 460923

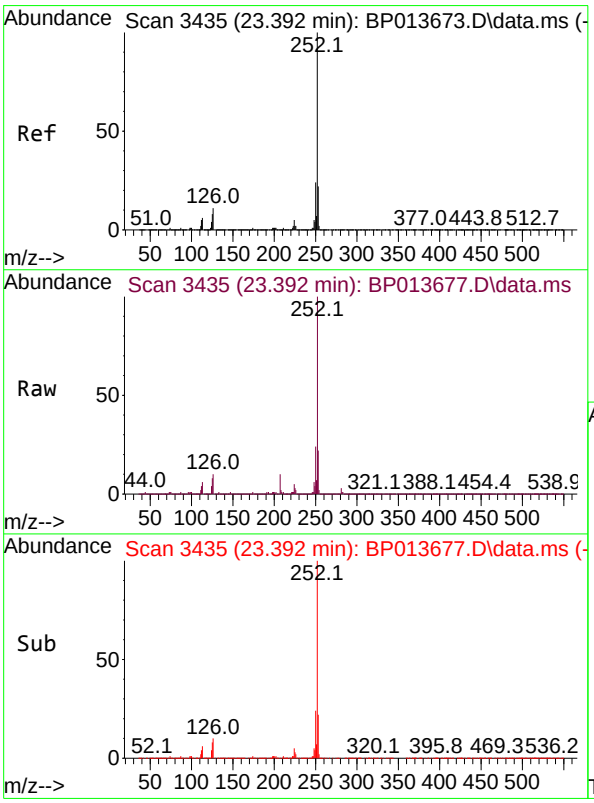
Ion	Ratio	Lower	Upper
276	100		
138	20.2	16.5	24.7
277	25.3	20.2	30.2



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

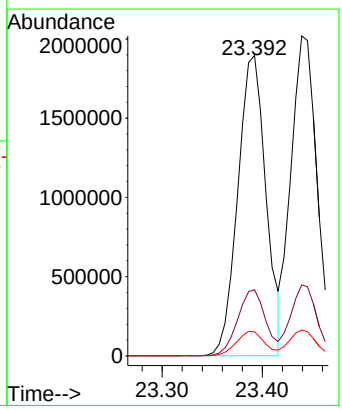
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

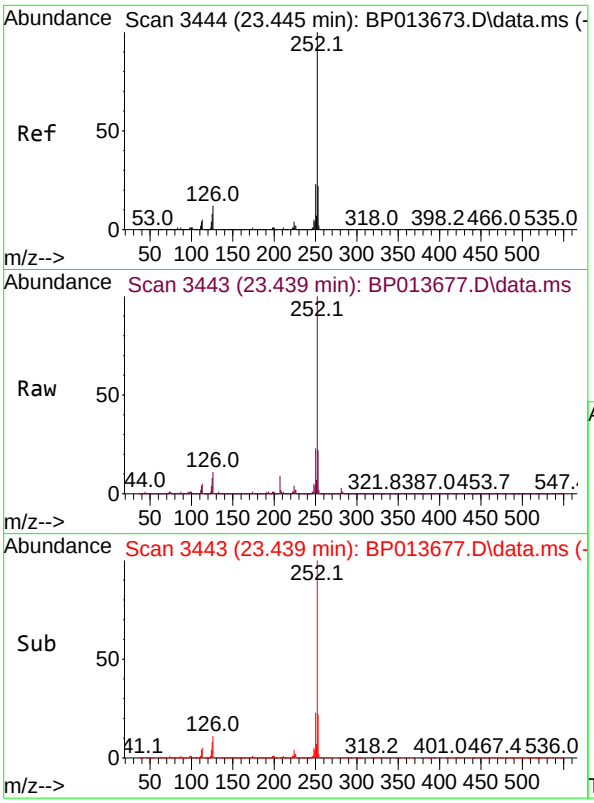


#88
Benzo(b)fluoranthene
Concen: 41.018 ng
RT: 23.392 min Scan# 3435
Delta R.T. 0.000 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:252 Resp: 3697076

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	8.0	6.8	10.2

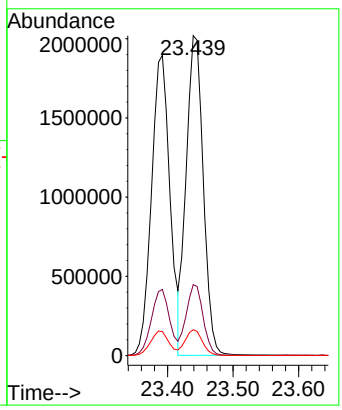




#89
Benzo(k)fluoranthene
Concen: 40.644 ng
RT: 23.439 min Scan# 34
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:252 Resp: 366927

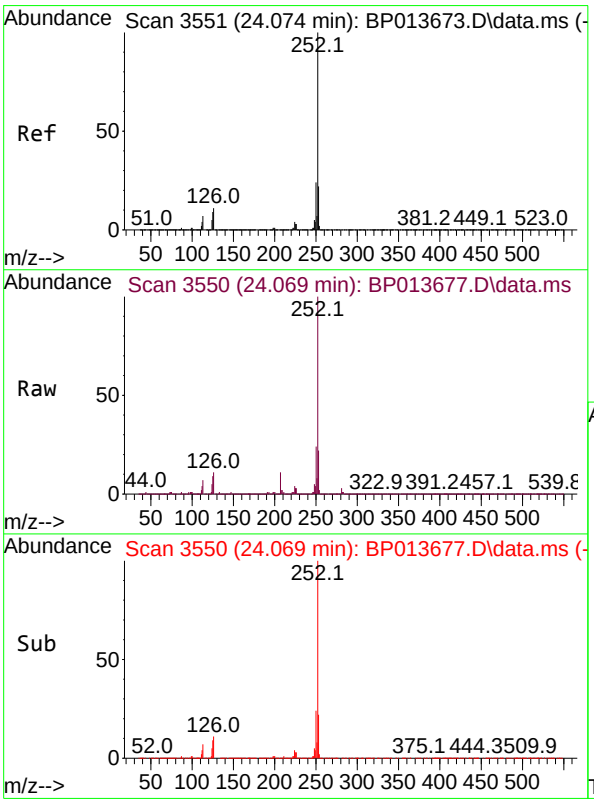
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	8.1	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

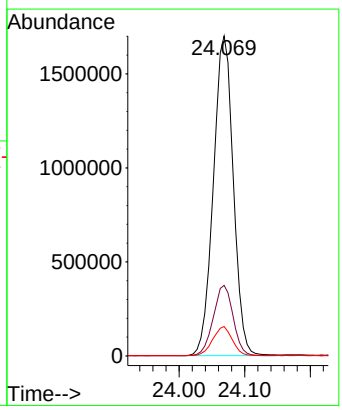
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

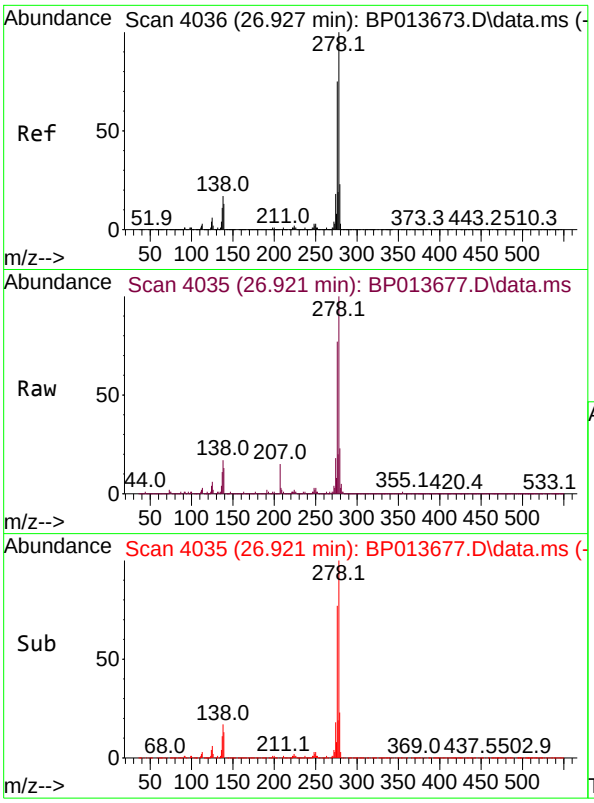


#90
Benzo(a)pyrene
Concen: 40.298 ng
RT: 24.069 min Scan# 3550
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:252 Resp: 3605440

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	9.2	7.0	10.4

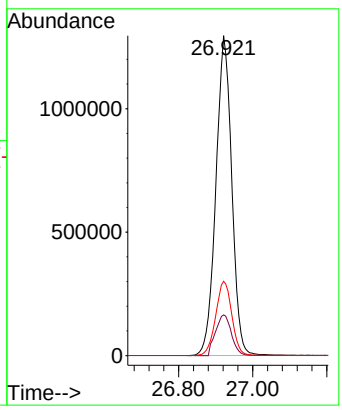




#91
Dibenzo(a,h)anthracene
Concen: 40.629 ng
RT: 26.921 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:278 Resp: 384634

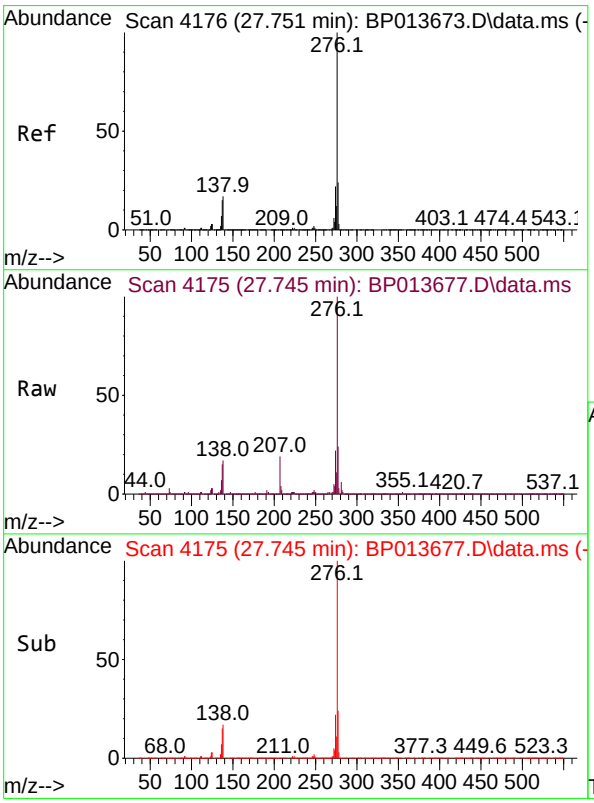
Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.6	16.0
279	23.2	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Manual Integrations
APPROVED

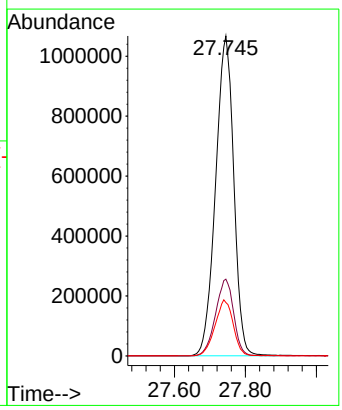
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#92
Benzo(g,h,i)perylene
Concen: 40.387 ng
RT: 27.745 min Scan# 4175
Delta R.T. -0.006 min
Lab File: BP013677.D
Acq: 31 Jan 2023 17:04

Tgt Ion:276 Resp: 3797406

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	16.7	14.0	21.0



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013677.D
Acq On : 31 Jan 2023 17:04
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Quant Time: Feb 01 04:11:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 03:43:48 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
2		1,4-Dioxane	0.495	0.495	0.0	93	0.00
3		Pyridine	1.425	1.416	0.6	89	0.00
4		n-Nitrosodimethylamine	0.511	0.512	-0.2	92	0.00
5	S	2-Fluorophenol	1.170	1.209	-3.3	94	0.00
6		Aniline	2.032	2.088	-2.8	94	0.00
7	S	Phenol-d6	1.559	1.584	-1.6	93	0.00
8		2-Chlorophenol	1.232	1.254	-1.8	93	0.00
9		Benzaldehyde	0.895	0.856	4.4	96	0.00
10	C	Phenol	1.628	1.653	-1.5	92	0.00
11		bis(2-Chloroethyl)ether	1.301	1.296	0.4	92	0.00
12		1,3-Dichlorobenzene	1.387	1.405	-1.3	93	0.00
13	C	1,4-Dichlorobenzene	1.404	1.427	-1.6	93	0.00
14		1,2-Dichlorobenzene	1.343	1.377	-2.5	94	0.00
15		Benzyl Alcohol	1.104	1.156	-4.7	95	0.00
16		2,2'-oxybis(1-Chloropropane	1.519	1.543	-1.6	93	0.00
17		2-Methylphenol	1.141	1.182	-3.6	94	0.00
18		Hexachloroethane	0.463	0.473	-2.2	95	0.00
19	P	n-Nitroso-di-n-propylamine	0.978	1.030	-5.3	94	0.00
20		3+4-Methylphenols	1.557	1.621	-4.1	94	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
22		Acetophenone	0.522	0.534	-2.3	94	0.00
23	S	Nitrobenzene-d5	0.344	0.371	-7.8	96	0.00
24		Nitrobenzene	0.373	0.397	-6.4	96	0.00
25		Isophorone	0.762	0.773	-1.4	93	0.00
26	C	2-Nitrophenol	0.156	0.167	-7.1	96	0.00
27		2,4-Dimethylphenol	0.308	0.313	-1.6	92	0.00
28		bis(2-Chloroethoxy)methane	0.457	0.454	0.7	93	0.00
29	C	2,4-Dichlorophenol	0.335	0.345	-3.0	95	0.00
30		1,2,4-Trichlorobenzene	0.371	0.382	-3.0	96	0.00
31		Naphthalene	1.052	1.048	0.4	93	0.00
32		Benzoic acid	0.229	0.239	-4.4	96	0.00
33		4-Chloroaniline	0.462	0.471	-1.9	93	0.00
34	C	Hexachlorobutadiene	0.236	0.236	0.0	95	0.00
35		Caprolactam	0.110	0.111	-0.9	93	0.00
36	C	4-Chloro-3-methylphenol	0.352	0.353	-0.3	92	0.00
37		2-Methylnaphthalene	0.791	0.790	0.1	93	0.00
38		1-Methylnaphthalene	0.743	0.738	0.7	93	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	0.683	0.695	-1.8	95	0.00
41	P	Hexachlorocyclopentadiene	0.312	0.324	-3.8	99	0.00
42	S	2,4,6-Tribromophenol	0.300	0.317	-5.7	98	0.00
43	C	2,4,6-Trichlorophenol	0.450	0.459	-2.0	94	0.00
44		2,4,5-Trichlorophenol	0.526	0.545	-3.6	95	0.00
45	S	2-Fluorobiphenyl	1.429	1.445	-1.1	94	0.00
46		1,1'-Biphenyl	1.513	1.531	-1.2	94	0.00
47		2-Chloronaphthalene	1.170	1.193	-2.0	95	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013677.D
Acq On : 31 Jan 2023 17:04
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Quant Time: Feb 01 04:11:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 03:43:48 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.250	0.281	-12.4	100	0.00
49		Acenaphthylene	1.887	1.919	-1.7	95	0.00
50		Dimethylphthalate	1.547	1.568	-1.4	95	0.00
51		2,6-Dinitrotoluene	0.276	0.315	-14.1	98	0.00
52	C	Acenaphthene	1.215	1.234	-1.6	96	0.00
53		3-Nitroaniline	0.302	0.336	-11.3	97	0.00
54	P	2,4-Dinitrophenol	0.168	0.179	-6.5	100	0.00
55		Dibenzofuran	1.901	1.924	-1.2	96	0.00
56	P	4-Nitrophenol	0.268	0.289	-7.8	99	0.00
57		2,4-Dinitrotoluene	0.363	0.414	-14.0	98	0.00
58		Fluorene	1.492	1.508	-1.1	95	0.00
59		2,3,4,6-Tetrachlorophenol	0.458	0.478	-4.4	97	0.00
60		Diethylphthalate	1.483	1.502	-1.3	95	0.00
61		4-Chlorophenyl-phenylether	0.813	0.825	-1.5	96	0.00
62		4-Nitroaniline	0.299	0.342	-14.4	99	0.00
63		Azobenzene	1.370	1.398	-2.0	95	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	0.104	0.109	-4.8	99	0.00
66	c	n-Nitrosodiphenylamine	0.582	0.580	0.3	96	0.00
67		4-Bromophenyl-phenylether	0.229	0.232	-1.3	98	0.00
68		Hexachlorobenzene	0.254	0.256	-0.8	99	0.00
69		Atrazine	0.189	0.205	-8.5	99	0.00
70	C	Pentachlorophenol	0.187	0.201	-7.5	100	0.00
71		Phenanthrene	1.072	1.079	-0.7	97	0.00
72		Anthracene	1.082	1.102	-1.8	97	0.00
73		Carbazole	0.983	0.997	-1.4	97	0.00
74		Di-n-butylphthalate	1.075	1.101	-2.4	97	0.00
75	C	Fluoranthene	1.335	1.368	-2.5	99	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	101	0.00
77		Benzidine	0.432	0.447	-3.5	95	0.00
78		Pyrene	1.346	1.348	-0.1	98	0.00
79	S	Terphenyl-d14	1.007	1.034	-2.7	101	0.00
80		Butylbenzylphthalate	0.367	0.385	-4.9	102	0.00
81		Benzo(a)anthracene	1.389	1.406	-1.2	100	0.00
82		3,3'-Dichlorobenzidine	0.439	0.458	-4.3	99	0.00
83		Chrysene	1.324	1.333	-0.7	100	0.00
84		Bis(2-ethylhexyl)phthalate	0.625	0.634	-1.4	99	0.00
85	c	Di-n-octyl phthalate	1.142	1.157	-1.3	99	0.00
86	I	Perylene-d12	1.000	1.000	0.0	100	0.00
87		Indeno(1,2,3-cd)pyrene	1.521	1.537	-1.1	101	0.00
88		Benzo(b)fluoranthene	1.202	1.233	-2.6	103	0.00
89		Benzo(k)fluoranthene	1.204	1.223	-1.6	98	0.00
90	C	Benzo(a)pyrene	1.193	1.202	-0.8	100	0.00
91		Dibenzo(a,h)anthracene	1.263	1.282	-1.5	101	0.00
92		Benzo(g,h,i)perylene	1.254	1.266	-1.0	101	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013677.D
Acq On : 31 Jan 2023 17:04
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Quant Time: Feb 01 04:11:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 03:43:48 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013677.D
Acq On : 31 Jan 2023 17:04
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Quant Time: Feb 01 04:11:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 03:43:48 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	94	0.00
2		1,4-Dioxane	40.000	39.976	0.1	93	0.00
3		Pyridine	40.000	39.749	0.6	89	0.00
4		n-Nitrosodimethylamine	40.000	40.075	-0.2	92	0.00
5	S	2-Fluorophenol	80.000	82.665	-3.3	94	0.00
6		Aniline	40.000	41.110	-2.8	94	0.00
7	S	Phenol-d6	80.000	81.298	-1.6	93	0.00
8		2-Chlorophenol	40.000	40.739	-1.8	93	0.00
9		Benzaldehyde	40.000	42.434	-6.1	96	0.00
10	C	Phenol	40.000	40.611	-1.5	92	0.00
11		bis(2-Chloroethyl)ether	40.000	39.845	0.4	92	0.00
12		1,3-Dichlorobenzene	40.000	40.511	-1.3	93	0.00
13	C	1,4-Dichlorobenzene	40.000	40.671	-1.7	93	0.00
14		1,2-Dichlorobenzene	40.000	41.009	-2.5	94	0.00
15		Benzyl Alcohol	40.000	41.907	-4.8	95	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.641	-1.6	93	0.00
17		2-Methylphenol	40.000	41.432	-3.6	94	0.00
18		Hexachloroethane	40.000	40.863	-2.2	95	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	42.119	-5.3	94	0.00
20		3+4-Methylphenols	40.000	41.657	-4.1	94	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	94	0.00
22		Acetophenone	40.000	40.938	-2.3	94	0.00
23	S	Nitrobenzene-d5	80.000	86.363	-8.0	96	0.00
24		Nitrobenzene	40.000	42.614	-6.5	96	0.00
25		Isophorone	40.000	40.564	-1.4	93	0.00
26	C	2-Nitrophenol	40.000	39.244	1.9	96	0.00
27		2,4-Dimethylphenol	40.000	40.713	-1.8	92	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.798	0.5	93	0.00
29	C	2,4-Dichlorophenol	40.000	41.196	-3.0	95	0.00
30		1,2,4-Trichlorobenzene	40.000	41.108	-2.8	96	0.00
31		Naphthalene	40.000	39.863	0.3	93	0.00
32		Benzoic acid	40.000	39.559	1.1	96	0.00
33		4-Chloroaniline	40.000	40.768	-1.9	93	0.00
34	C	Hexachlorobutadiene	40.000	40.111	-0.3	95	0.00
35		Caprolactam	40.000	40.217	-0.5	93	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.148	-0.4	92	0.00
37		2-Methylnaphthalene	40.000	39.987	0.0	93	0.00
38		1-Methylnaphthalene	40.000	39.717	0.7	93	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.720	-1.8	95	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.631	-4.1	99	0.00
42	S	2,4,6-Tribromophenol	80.000	84.468	-5.6	98	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.869	-2.2	94	0.00
44		2,4,5-Trichlorophenol	40.000	41.409	-3.5	95	0.00
45	S	2-Fluorobiphenyl	80.000	80.872	-1.1	94	0.00
46		1,1'-Biphenyl	40.000	40.461	-1.2	94	0.00
47		2-Chloronaphthalene	40.000	40.788	-2.0	95	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013677.D
Acq On : 31 Jan 2023 17:04
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Quant Time: Feb 01 04:11:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 03:43:48 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.177	2.1	100	0.00
49		Acenaphthylene	40.000	40.679	-1.7	95	0.00
50		Dimethylphthalate	40.000	40.549	-1.4	95	0.00
51		2,6-Dinitrotoluene	40.000	40.124	-0.3	98	0.00
52	C	Acenaphthene	40.000	40.629	-1.6	96	0.00
53		3-Nitroaniline	40.000	40.284	-0.7	97	0.00
54	P	2,4-Dinitrophenol	40.000	38.845	2.9	100	0.00
55		Dibenzofuran	40.000	40.481	-1.2	96	0.00
56	P	4-Nitrophenol	40.000	43.049	-7.6	99	0.00
57		2,4-Dinitrotoluene	40.000	39.598	1.0	98	0.00
58		Fluorene	40.000	40.424	-1.1	95	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.741	-4.4	97	0.00
60		Diethylphthalate	40.000	40.521	-1.3	95	0.00
61		4-Chlorophenyl-phenylether	40.000	40.607	-1.5	96	0.00
62		4-Nitroaniline	40.000	40.916	-2.3	99	0.00
63		Azobenzene	40.000	40.807	-2.0	95	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	40.000	38.788	3.0	99	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.855	0.4	96	0.00
67		4-Bromophenyl-phenylether	40.000	40.538	-1.3	98	0.00
68		Hexachlorobenzene	40.000	40.353	-0.9	99	0.00
69		Atrazine	40.000	43.303	-8.3	99	0.00
70	C	Pentachlorophenol	40.000	42.900	-7.2	100	0.00
71		Phenanthrene	40.000	40.277	-0.7	97	0.00
72		Anthracene	40.000	40.729	-1.8	97	0.00
73		Carbazole	40.000	40.564	-1.4	97	0.00
74		Di-n-butylphthalate	40.000	40.958	-2.4	97	0.00
75	C	Fluoranthene	40.000	40.989	-2.5	99	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	101	0.00
77		Benzidine	40.000	41.348	-3.4	95	0.00
78		Pyrene	40.000	40.075	-0.2	98	0.00
79	S	Terphenyl-d14	80.000	82.130	-2.7	101	0.00
80		Butylbenzylphthalate	40.000	41.894	-4.7	102	0.00
81		Benzo(a)anthracene	40.000	40.474	-1.2	100	0.00
82		3,3'-Dichlorobenzidine	40.000	41.710	-4.3	99	0.00
83		Chrysene	40.000	40.301	-0.8	100	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.578	-1.4	99	0.00
85	c	Di-n-octyl phthalate	40.000	40.522	-1.3	99	0.00
86	I	Perylene-d12	20.000	20.000	0.0	100	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.414	-1.0	101	0.00
88		Benzo(b)fluoranthene	40.000	41.018	-2.5	103	0.00
89		Benzo(k)fluoranthene	40.000	40.644	-1.6	98	0.00
90	C	Benzo(a)pyrene	40.000	40.298	-0.7	100	0.00
91		Dibenzo(a,h)anthracene	40.000	40.629	-1.6	101	0.00
92		Benzo(g,h,i)perylene	40.000	40.387	-1.0	101	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013677.D
Acq On : 31 Jan 2023 17:04
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP013123

Quant Time: Feb 01 04:11:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 03:43:48 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_F Calibration Date/Time: 01/20/2023 16:40

Lab File ID: BF132164.D Init. Calib. Date(s): 01/19/2023 01/19/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:21 15:11

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.115		-2.6	
Benzaldehyde	0.927	0.917		-1.1	
Phenol-d6	1.441	1.412		-2.0	
Phenol	1.500	1.494		-0.4	20.0
bis(2-Chloroethyl)ether	1.270	1.244		-2.0	
2-Chlorophenol	1.203	1.195		-0.7	
2-Methylphenol	1.054	1.045		-0.9	
2,2-oxybis(1-Chloropropane)	1.846	1.776		-3.8	
Acetophenone	0.481	0.460		-4.4	
3+4-Methylphenols	1.329	1.328		-0.1	
n-Nitroso-di-n-propylamine	0.883	0.833	0.050	-5.7	
Nitrobenzene-d5	0.376	0.393		4.5	
Hexachloroethane	0.482	0.488		1.2	
Nitrobenzene	0.399	0.408		2.3	
Isophorone	0.737	0.726		-1.5	
2-Nitrophenol	0.127	0.175		37.8	20.0
2,4-Dimethylphenol	0.319	0.319		0.0	
bis(2-Chloroethoxy)methane	0.442	0.434		-1.8	
2,4-Dichlorophenol	0.303	0.311		2.6	20.0
Naphthalene	1.027	1.008		-1.9	
4-Chloroaniline	0.440	0.445		1.1	
Hexachlorobutadiene	0.231	0.224		-3.0	20.0
Caprolactam	0.086	0.098		14.0	
4-Chloro-3-methylphenol	0.305	0.312		2.3	20.0
2-Methylnaphthalene	0.707	0.688		-2.7	
Hexachlorocyclopentadiene	0.380	0.382	0.050	0.5	
2,4,6-Trichlorophenol	0.432	0.453		4.9	20.0
2-Fluorobiphenyl	1.369	1.224		-10.6	
2,4,5-Trichlorophenol	0.505	0.523		3.6	
1,1-Biphenyl	1.578	1.498		-5.1	
2-Chloronaphthalene	1.220	1.186		-2.8	
2-Nitroaniline	0.351	0.417		18.8	
Dimethylphthalate	1.449	1.451		0.1	
Acenaphthylene	1.951	1.915		-1.8	
2,6-Dinitrotoluene	0.281	0.329		17.1	
3-Nitroaniline	0.300	0.354		18.0	
Acenaphthene	1.174	1.145		-2.5	20.0
2,4-Dinitrophenol	0.108	0.144	0.050	33.3	
4-Nitrophenol	0.218	0.262	0.050	20.2	
Dibenzofuran	1.814	1.750		-3.5	
2,4-Dinitrotoluene	0.337	0.414		22.8	

Raw Data: **BF132164.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_F Calibration Date/Time: 01/20/2023 16:40

Lab File ID: BF132164.D Init. Calib. Date(s): 01/19/2023 01/19/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:21 15:11

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.420	1.458		2.7	
4-Chlorophenyl-phenylether	0.720	0.700		-2.8	
Fluorene	1.344	1.292		-3.9	
4-Nitroaniline	0.279	0.333		19.4	
4,6-Dinitro-2-methylphenol	0.087	0.107		23.0	
n-Nitrosodiphenylamine	0.641	0.597		-6.9	20.0
2,4,6-Tribromophenol	0.214	0.231		7.9	
4-Bromophenyl-phenylether	0.244	0.229		-6.1	
Hexachlorobenzene	0.242	0.229		-5.4	
Atrazine	0.198	0.203		2.5	
Pentachlorophenol	0.156	0.174		11.5	20.0
Phenanthrene	1.050	1.000		-4.8	
Anthracene	1.062	1.012		-4.7	
Carbazole	0.907	0.914		0.8	
Di-n-butylphthalate	1.010	1.056		4.6	
Fluoranthene	1.078	1.118		3.7	20.0
Pyrene	1.843	1.942		5.4	
Terphenyl-d14	1.194	1.203		0.8	
Butylbenzylphthalate	0.534	0.671		25.7	
3,3-Dichlorobenzidine	0.398	0.413		3.8	
Benzo(a)anthracene	1.429	1.449		1.4	
Chrysene	1.360	1.334		-1.9	
Bis(2-ethylhexyl)phthalate	0.705	0.824		16.9	
Di-n-octyl phthalate	1.083	1.018		-6.0	20.0
Benzo(b)fluoranthene	1.218	1.276		4.8	
Benzo(k)fluoranthene	1.242	1.197		-3.6	
Benzo(a)pyrene	1.171	1.185		1.2	20.0
Indeno(1,2,3-cd)pyrene	1.451	1.547		6.6	
Dibenzo(a,h)anthracene	1.184	1.248		5.4	
Benzo(g,h,i)perylene	1.246	1.338		7.4	
1,2,4,5-Tetrachlorobenzene	0.696	0.669		-3.9	
1,4-Dioxane	0.580	0.596		2.8	20.0
2,3,4,6-Tetrachlorophenol	0.384	0.414		7.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132164.D
Acq On : 20 Jan 2023 16:40
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 21 03:53:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.090	152	175584	20.000	ng	0.00
21) Naphthalene-d8	8.378	136	590884	20.000	ng	0.00
39) Acenaphthene-d10	10.142	164	314145	20.000	ng	0.00
64) Phenanthrene-d10	11.642	188	631542	20.000	ng	0.00
76) Chrysene-d12	14.307	240	364265	20.000	ng	0.00
86) Perylene-d12	15.901	264	316916	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.707	112	783256	77.926	ng	0.00
7) Phenol-d6	6.701	99	991931	78.397	ng	0.00
23) Nitrobenzene-d5	7.654	82	929182	83.538	ng	0.00
42) 2,4,6-Tribromophenol	10.936	330	290439	86.555	ng	0.00
45) 2-Fluorobiphenyl	9.454	172	1537809	71.530	ng	0.00
79) Terphenyl-d14	13.236	244	1753140	80.620	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.019	88	209354	41.113	ng	99
3) Pyridine	3.778	79	563820	41.245	ng	99
4) n-Nitrosodimethylamine	3.743	42	263601	41.002	ng	99
6) Aniline	6.754	93	692444	39.511	ng	99
8) 2-Chlorophenol	6.872	128	419812	39.735	ng	99
9) Benzaldehyde	6.642	77	321966	39.554	ng	99
10) Phenol	6.713	94	524478	39.818	ng	99
11) bis(2-Chloroethyl)ether	6.819	93	436932	39.184	ng	99
12) 1,3-Dichlorobenzene	7.031	146	452668	38.329	ng	99
13) 1,4-Dichlorobenzene	7.107	146	456734	38.757	ng	99
14) 1,2-Dichlorobenzene	7.266	146	421431	38.675	ng	98
15) Benzyl Alcohol	7.225	79	389314m	40.227	ng	
16) 2,2'-oxybis(1-Chloropr...	7.360	45	623784	38.490	ng	99
17) 2-Methylphenol	7.325	107	367095	39.660	ng	99
18) Hexachloroethane	7.607	117	171225	40.476	ng	98
19) n-Nitroso-di-n-propyla...	7.495	70	292458	37.735	ng	98
20) 3+4-Methylphenols	7.478	107	466332	39.983	ng	93
22) Acetophenone	7.495	105	544080	38.310	ng	96
24) Nitrobenzene	7.672	77	482635	40.981	ng	100
25) Isophorone	7.907	82	858522	39.448	ng	99
26) 2-Nitrophenol	7.989	139	207296	46.464	ng	99
27) 2,4-Dimethylphenol	8.013	122	376742	40.006	ng	99
28) bis(2-Chloroethoxy)met...	8.119	93	512581	39.255	ng	99
29) 2,4-Dichlorophenol	8.225	162	367359	41.089	ng	99
30) 1,2,4-Trichlorobenzene	8.319	180	396183	39.014	ng	99
31) Naphthalene	8.401	128	1191679	39.269	ng	99
32) Benzoic acid	8.107	122	267589m	43.447	ng	
33) 4-Chloroaniline	8.442	127	525672	40.479	ng	98
34) Hexachlorobutadiene	8.513	225	265244	38.882	ng	99
35) Caprolactam	8.813	113	116327	45.882	ng	99
36) 4-Chloro-3-methylphenol	8.913	107	368836	40.995	ng	98
37) 2-Methylnaphthalene	9.095	142	812781	38.901	ng	98
38) 1-Methylnaphthalene	9.195	142	750019	38.580	ng	99
40) 1,2,4,5-Tetrachloroben...	9.260	216	420230	38.447	ng	99
41) Hexachlorocyclopentadiene	9.242	237	239961	40.232	ng	96
43) 2,4,6-Trichlorophenol	9.366	196	284696	41.969	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132164.D
Acq On : 20 Jan 2023 16:40
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 21 03:53:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	9.401	196	328449	41.400	ng		98
46)	1,1'-Biphenyl	9.560	154	941310	37.981	ng		100
47)	2-Chloronaphthalene	9.589	162	745058	38.889	ng		100
48)	2-Nitroaniline	9.678	65	261720	42.996	ng		99
49)	Acenaphthylene	10.007	152	1203173	39.256	ng		99
50)	Dimethylphthalate	9.854	163	911609	40.067	ng		100
51)	2,6-Dinitrotoluene	9.919	165	206783	46.890	ng		99
52)	Acenaphthene	10.178	154	719203	39.012	ng		98
53)	3-Nitroaniline	10.089	138	222119	47.109	ng		99
54)	2,4-Dinitrophenol	10.189	184	90478	46.708	ng		88
55)	Dibenzofuran	10.354	168	1099571	38.595	ng		99
56)	4-Nitrophenol	10.230	139	164762	48.015	ng		96
57)	2,4-Dinitrotoluene	10.325	165	260362	49.185	ng	#	82
58)	Fluorene	10.695	166	811964	38.463	ng		99
59)	2,3,4,6-Tetrachlorophenol	10.460	232	260285	43.130	ng		99
60)	Diethylphthalate	10.560	149	915944	41.052	ng		100
61)	4-Chlorophenyl-phenyle...	10.683	204	440094	38.932	ng		100
62)	4-Nitroaniline	10.707	138	209454	47.716	ng		98
63)	Azobenzene	10.848	77	882720	39.420	ng		99
65)	4,6-Dinitro-2-methylph...	10.730	198	135744	44.460	ng		97
66)	n-Nitrosodiphenylamine	10.801	169	754210	37.289	ng		99
67)	4-Bromophenyl-phenylether	11.177	248	288791	37.516	ng		98
68)	Hexachlorobenzene	11.248	284	289841	37.885	ng		98
69)	Atrazine	11.325	200	256252	41.064	ng		99
70)	Pentachlorophenol	11.436	266	219432	44.633	ng		97
71)	Phenanthrene	11.666	178	1263501	38.124	ng		100
72)	Anthracene	11.719	178	1278169	38.122	ng		100
73)	Carbazole	11.872	167	1154292	40.304	ng		100
74)	Di-n-butylphthalate	12.195	149	1334437	41.855	ng		100
75)	Fluoranthene	12.866	202	1412423	41.488	ng		99
77)	Benzidine	12.983	184	522111	47.739	ng		98
78)	Pyrene	13.101	202	1414545	42.136	ng		99
80)	Butylbenzylphthalate	13.707	149	489012	44.913	ng		96
81)	Benzo(a)anthracene	14.295	228	1055433	40.558	ng		99
82)	3,3'-Dichlorobenzidine	14.248	252	300596	41.477	ng	#	98
83)	Chrysene	14.330	228	971594	39.224	ng		99
84)	Bis(2-ethylhexyl)phtha...	14.266	149	600615	41.510	ng		100
85)	Di-n-octyl phthalate	14.907	149	741305	37.242	ng		99
87)	Indeno(1,2,3-cd)pyrene	17.565	276	980668	39.299	ng		100
88)	Benzo(b)fluoranthene	15.418	252	808566	41.904	ng		99
89)	Benzo(k)fluoranthene	15.454	252	758452	38.541	ng		100
90)	Benzo(a)pyrene	15.830	252	750850	40.451	ng		99
91)	Dibenzo(a,h)anthracene	17.583	278	790728	42.159	ng		98
92)	Benzo(g,h,i)perylene	18.077	276	848184	39.619	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

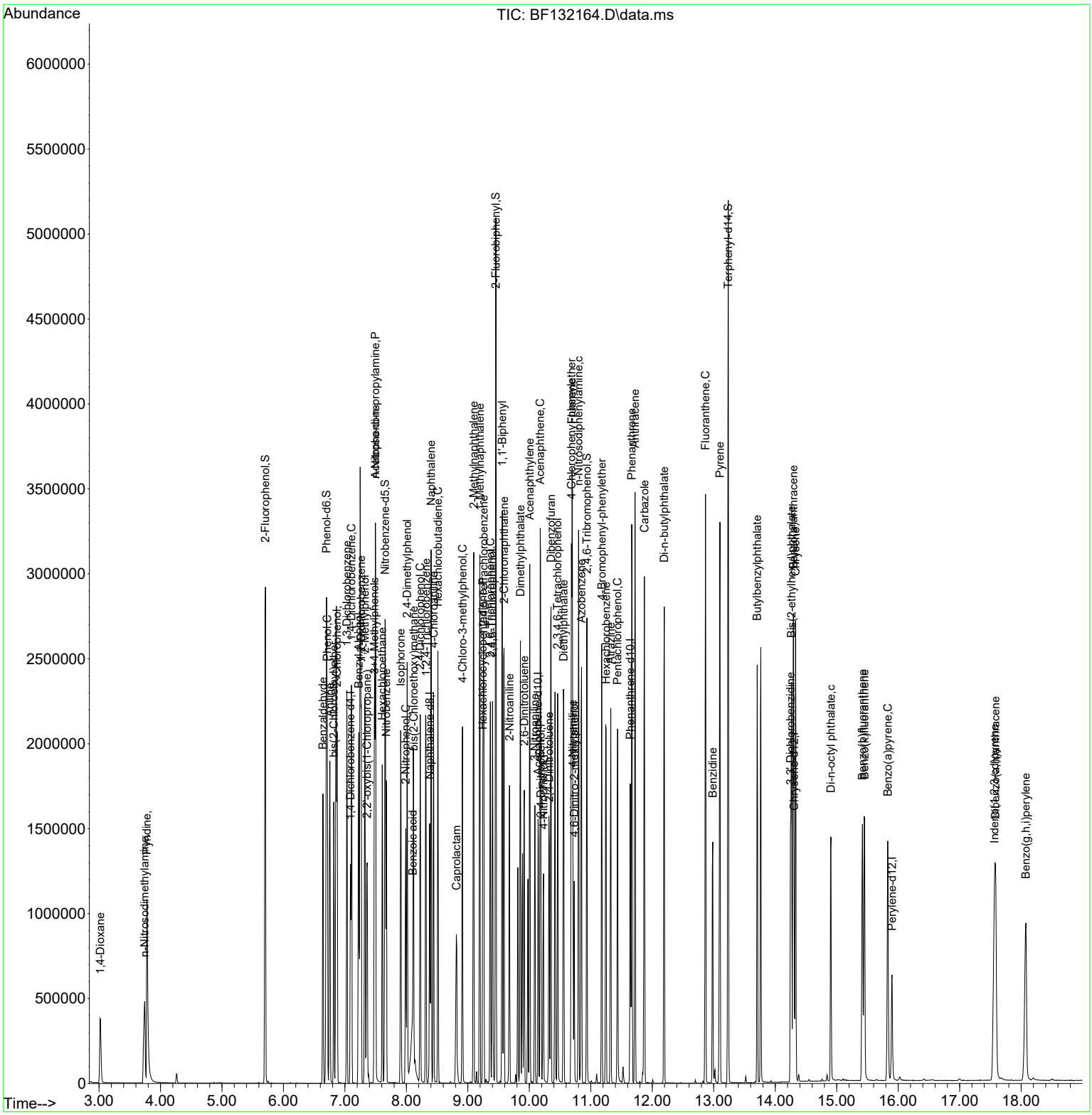
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132164.D
Acq On : 20 Jan 2023 16:40
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

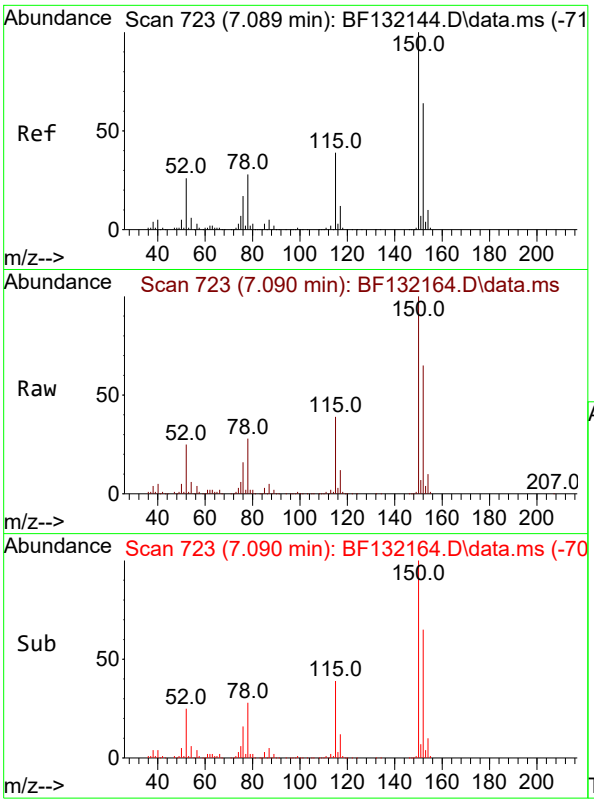
Quant Time: Jan 21 03:53:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

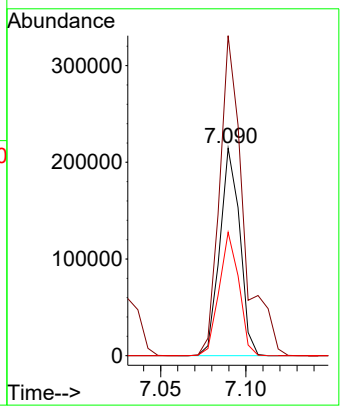




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.090 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:152 Resp: 17558

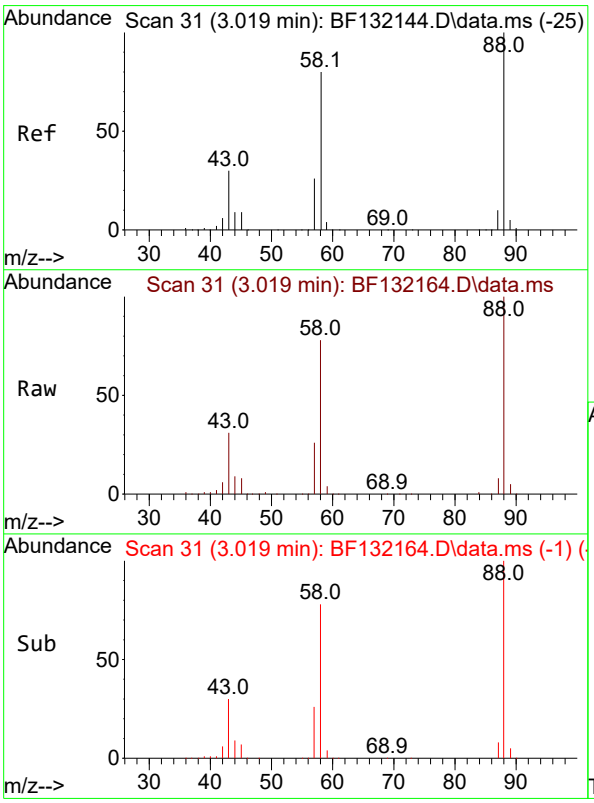
Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.8	188.8
115	59.5	49.2	73.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

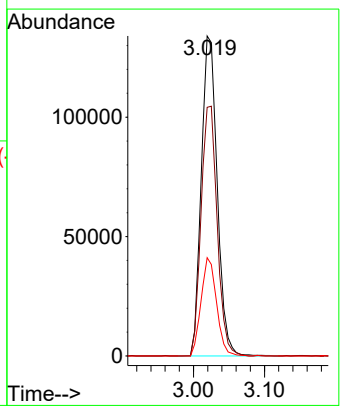
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

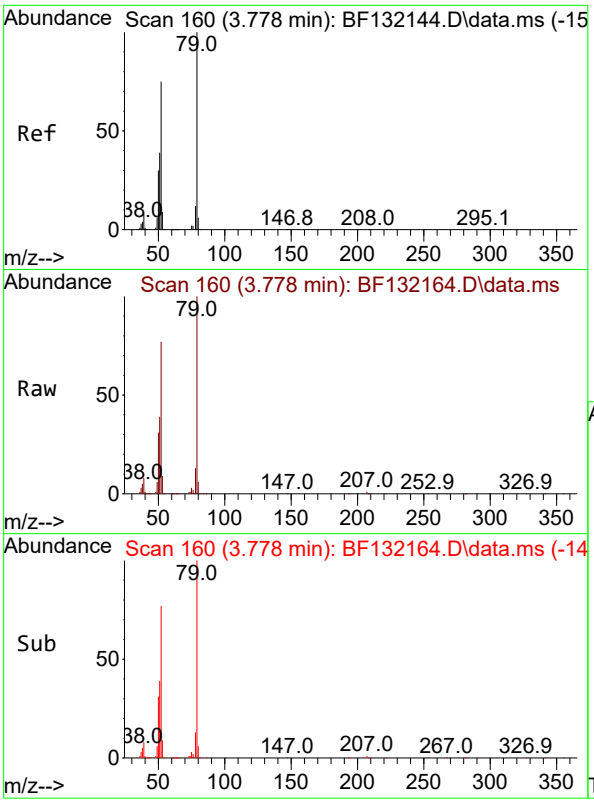


#2
1,4-Dioxane
Concen: 41.113 ng
RT: 3.019 min Scan# 31
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 88 Resp: 209354

Ion	Ratio	Lower	Upper
88	100		
58	78.8	64.0	96.0
43	29.9	24.2	36.4

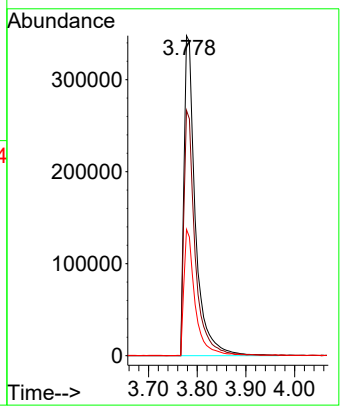




#3
Pyridine
Concen: 41.245 ng
RT: 3.778 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 79 Resp: 56382

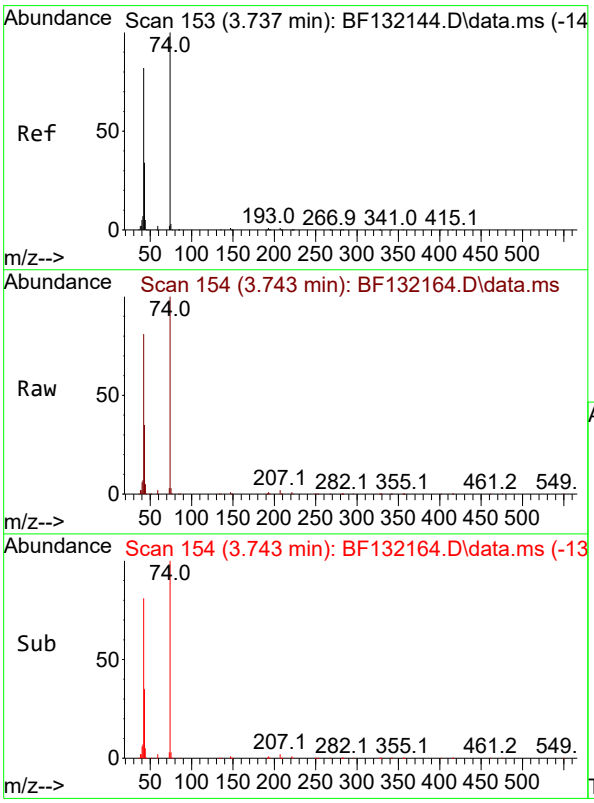
Ion	Ratio	Lower	Upper
79	100		
52	76.6	60.1	90.1
51	39.4	31.4	47.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

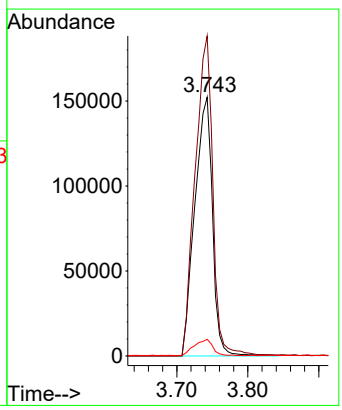
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

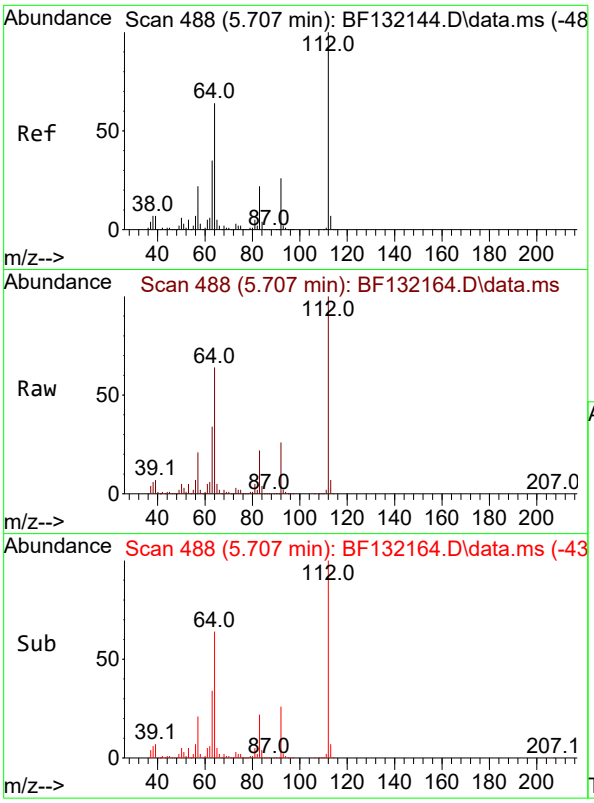


#4
n-Nitrosodimethylamine
Concen: 41.002 ng
RT: 3.743 min Scan# 154
Delta R.T. 0.006 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 42 Resp: 263601

Ion	Ratio	Lower	Upper
42	100		
74	123.7	98.1	147.1
44	6.4	5.2	7.8





#5
2-Fluorophenol
Concen: 77.926 ng
RT: 5.707 min Scan# 4
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

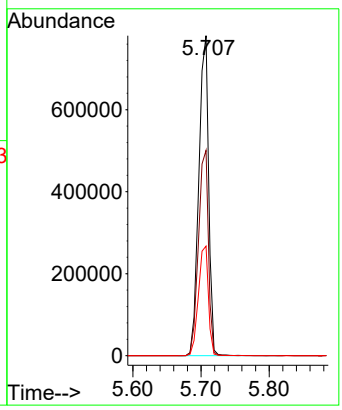
Tgt Ion:112 Resp: 78325

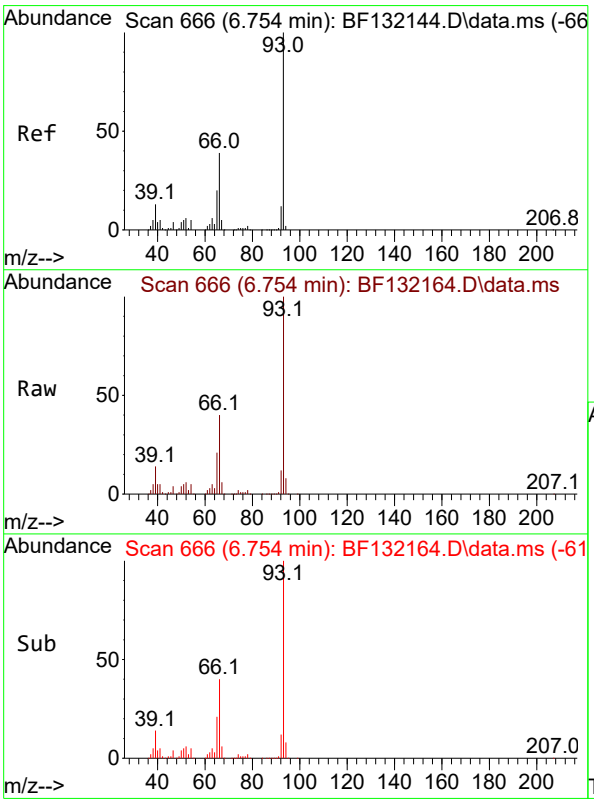
Ion	Ratio	Lower	Upper
112	100		
64	64.1	51.4	77.0
63	34.2	28.2	42.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

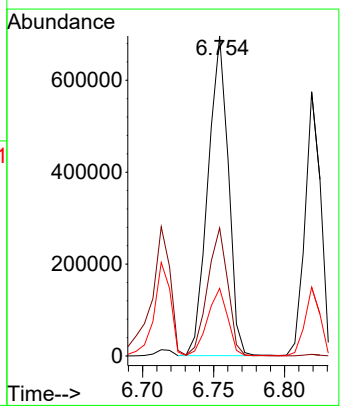


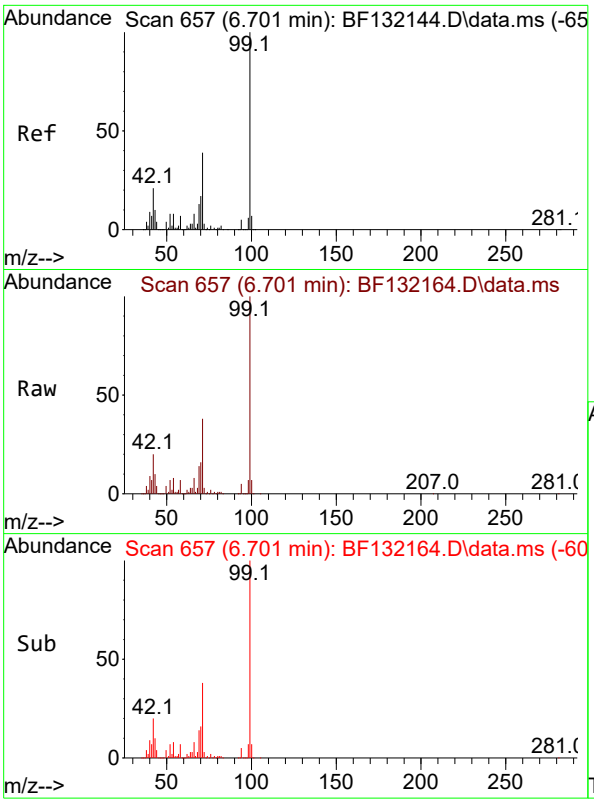


#6
Aniline
Concen: 39.511 ng
RT: 6.754 min Scan# 666
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 93 Resp: 692444

Ion	Ratio	Lower	Upper
93	100		
66	40.0	33.0	49.6
65	21.1	16.8	25.2

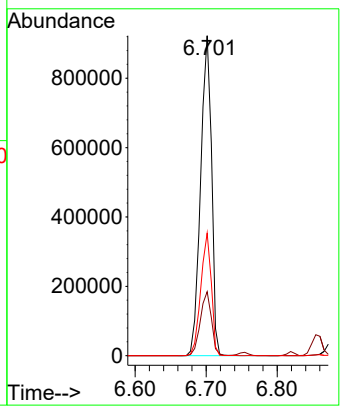




#7
Phenol-d6
Concen: 78.397 ng
RT: 6.701 min Scan# 6
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 99 Resp: 99193

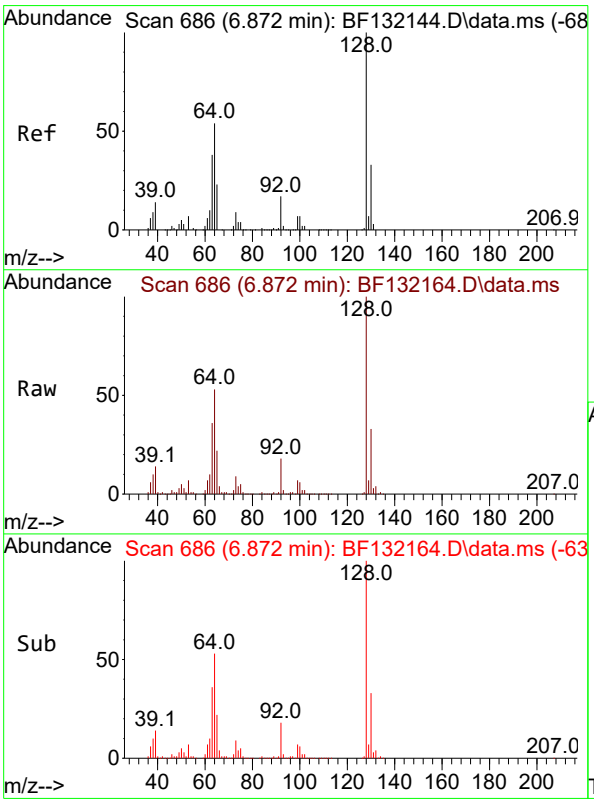
Ion	Ratio	Lower	Upper
99	100		
42	20.0	16.6	24.8
71	38.3	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

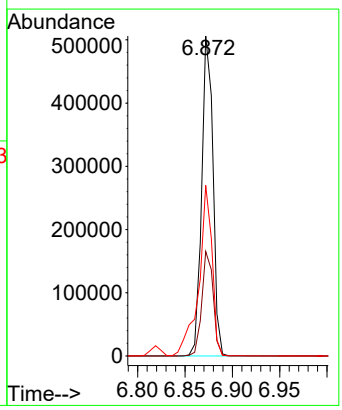
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

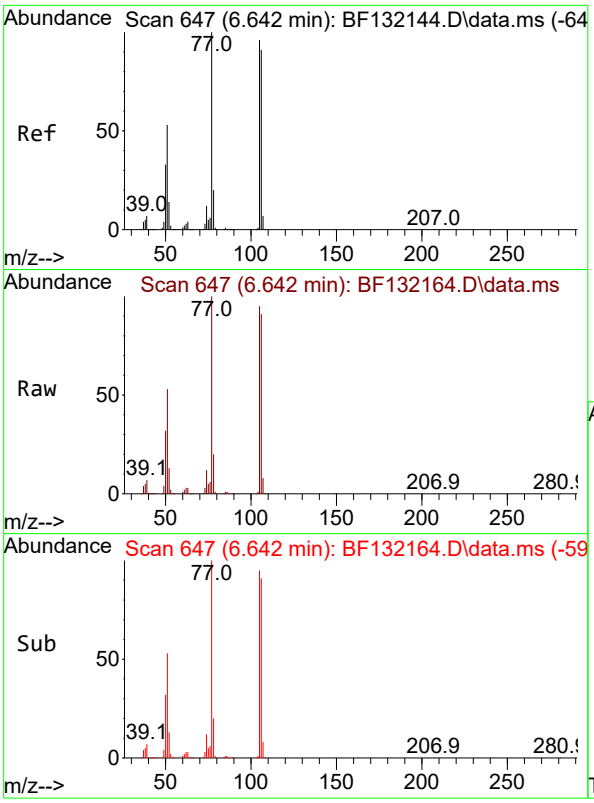


#8
2-Chlorophenol
Concen: 39.735 ng
RT: 6.872 min Scan# 686
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:128 Resp: 419812

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.8	52.8
64	53.3	34.8	74.8

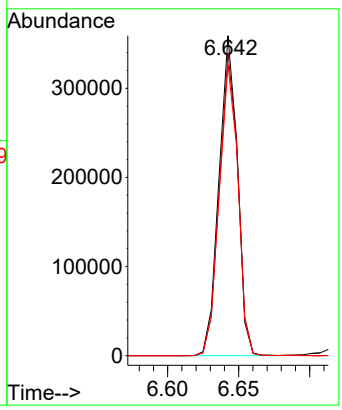




#9
Benzaldehyde
Concen: 39.554 ng
RT: 6.642 min Scan# 64
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 77 Resp: 32196

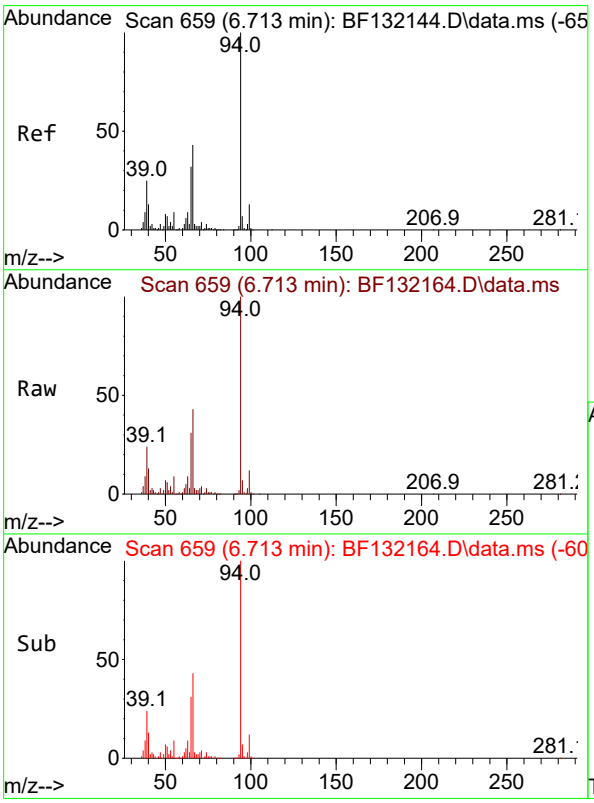
Ion	Ratio	Lower	Upper
77	100		
105	94.7	75.5	115.5
106	91.0	70.7	110.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

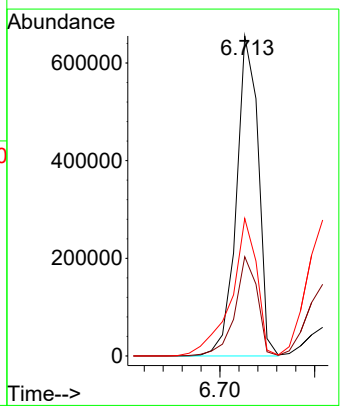
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

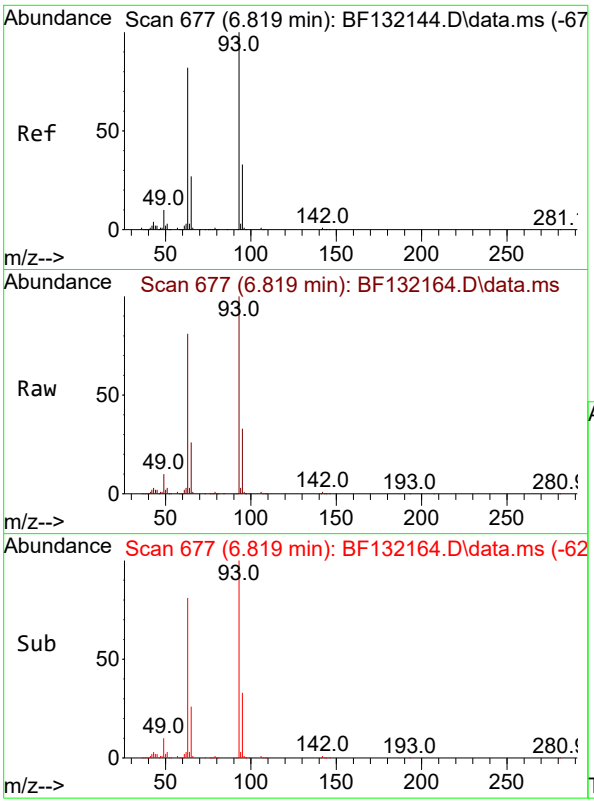


#10
Phenol
Concen: 39.818 ng
RT: 6.713 min Scan# 659
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 94 Resp: 524478

Ion	Ratio	Lower	Upper
94	100		
65	31.0	12.0	52.0
66	43.0	22.7	62.7

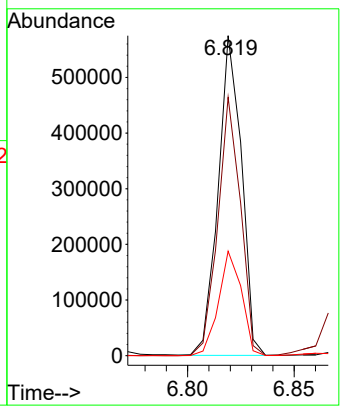




#11
bis(2-Chloroethyl)ether
Concen: 39.184 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 93 Resp: 43693

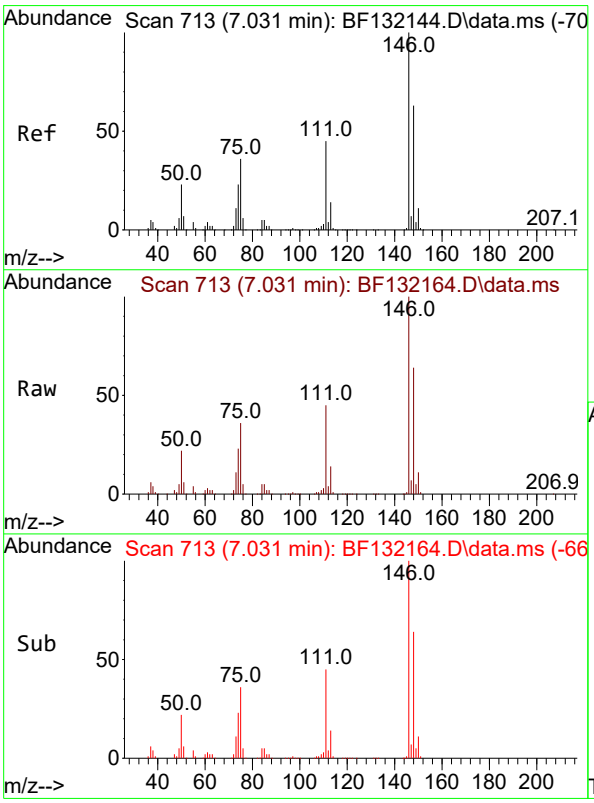
Ion	Ratio	Lower	Upper
93	100		
63	80.7	61.6	101.6
95	32.6	12.7	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

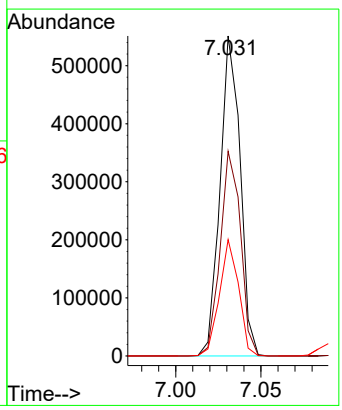
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

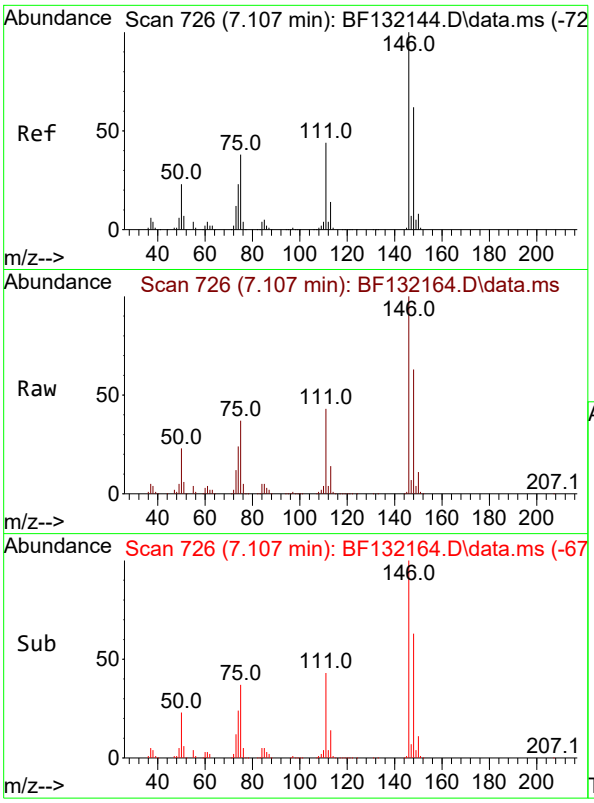


#12
1,3-Dichlorobenzene
Concen: 38.329 ng
RT: 7.031 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:146 Resp: 452668

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.0	75.0
75	36.3	28.8	43.2





#13
1,4-Dichlorobenzene
Concen: 38.757 ng
RT: 7.107 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

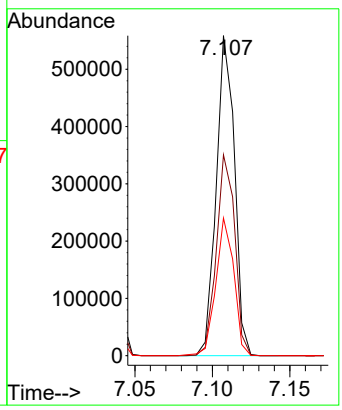
Tgt Ion:146 Resp: 45673

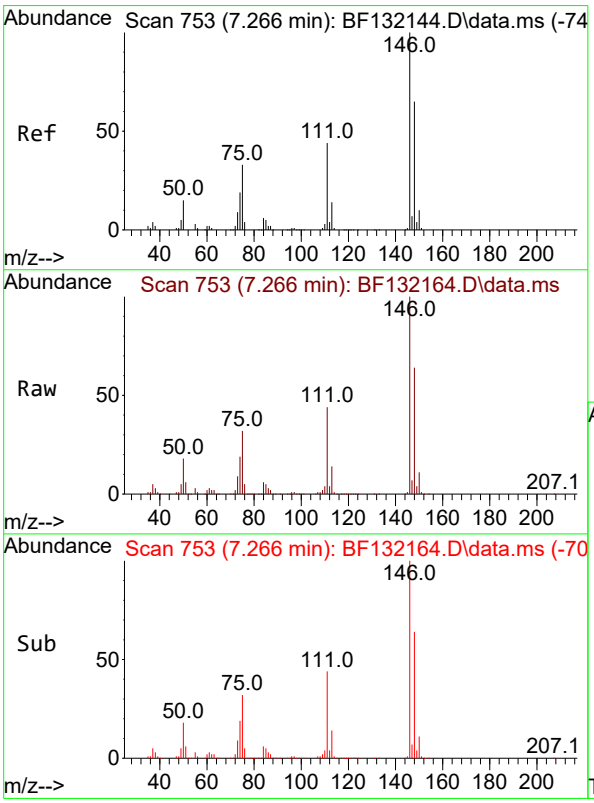
Ion	Ratio	Lower	Upper
146	100		
148	62.7	49.9	74.9
111	43.0	35.2	52.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

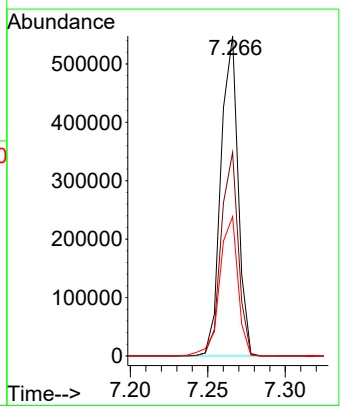


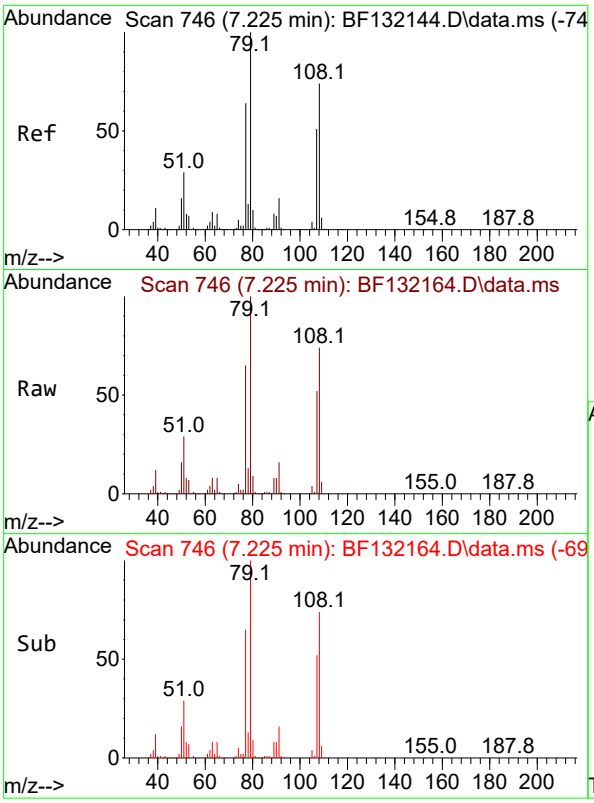


#14
1,2-Dichlorobenzene
Concen: 38.675 ng
RT: 7.266 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:146 Resp: 421431

Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.0	78.0
111	43.5	35.4	53.2





#15
Benzyl Alcohol
Concen: 40.227 ng m
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

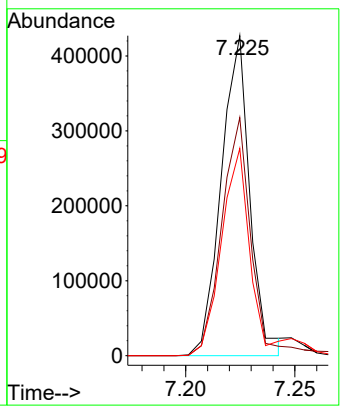
Tgt Ion: 79 Resp: 38931

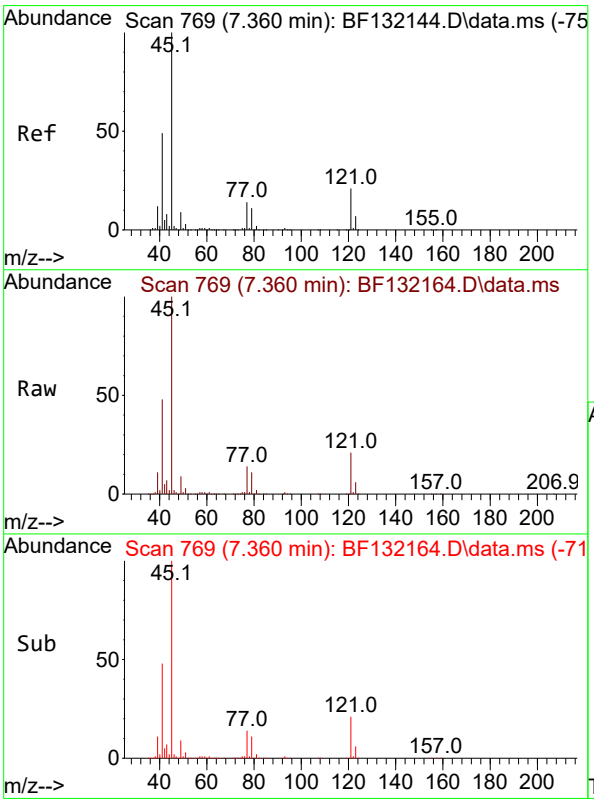
Ion	Ratio	Lower	Upper
79	100		
108	74.4	58.9	88.3
77	64.8	51.1	76.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

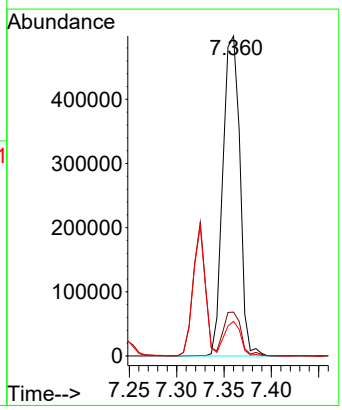


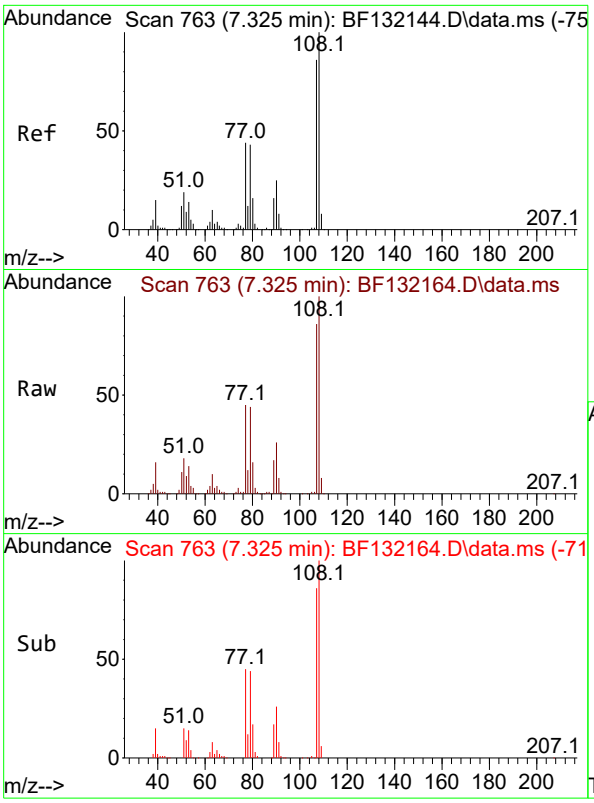


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.490 ng
RT: 7.360 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 45 Resp: 623784

Ion	Ratio	Lower	Upper
45	100		
77	13.7	0.0	34.3
79	10.8	0.0	30.9

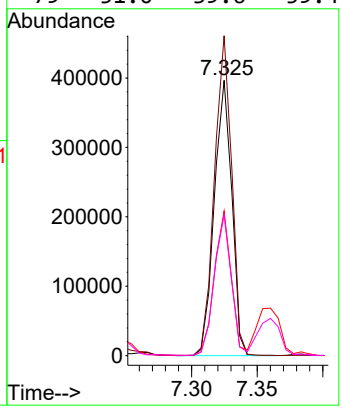




#17
2-Methylphenol
Concen: 39.660 ng
RT: 7.325 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:107 Resp: 36709

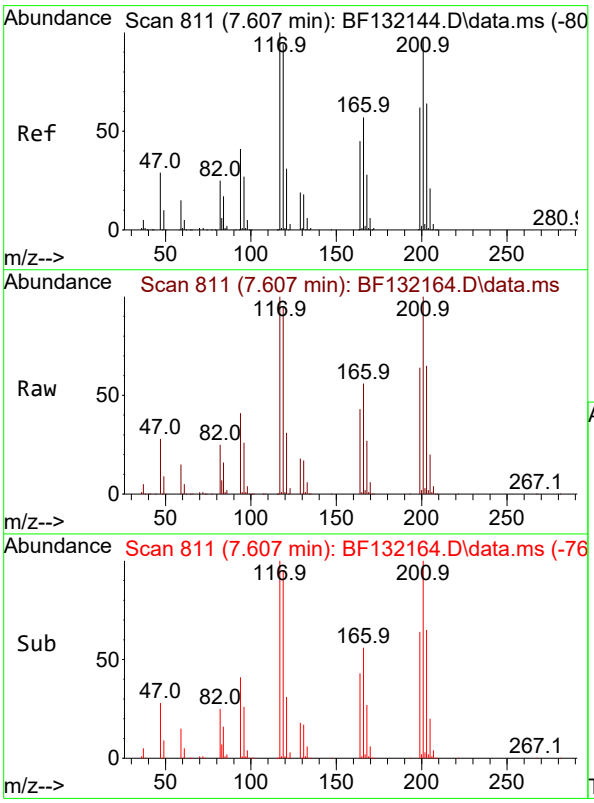
Ion	Ratio	Lower	Upper
107	100		
108	116.2	92.8	139.2
77	52.5	41.1	61.7
79	51.0	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

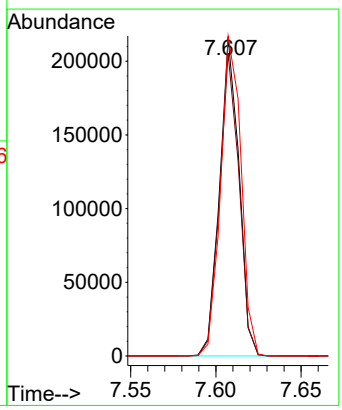
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

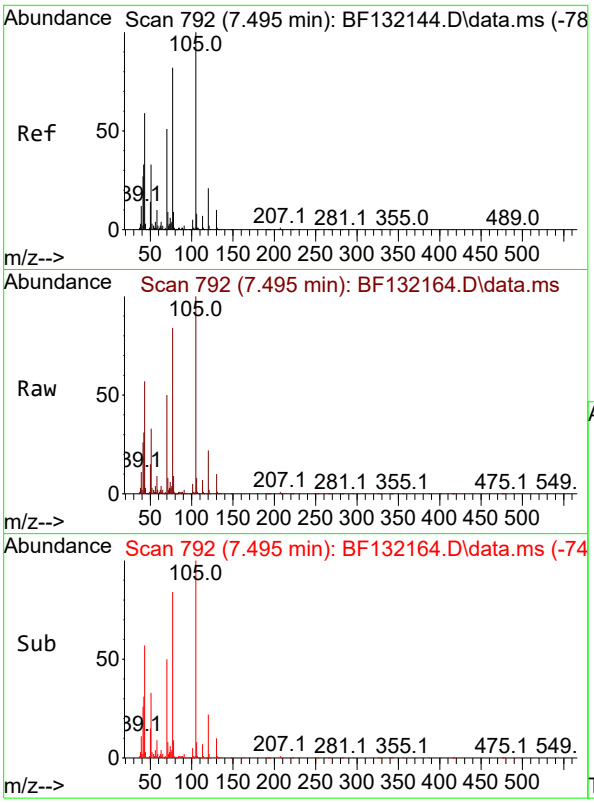


#18
Hexachloroethane
Concen: 40.476 ng
RT: 7.607 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:117 Resp: 171225

Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.4	113.0
201	100.5	77.9	116.9

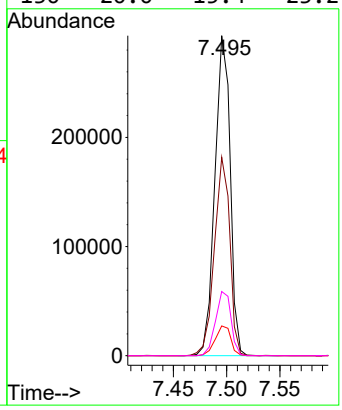




#19
n-Nitroso-di-n-propylamine
Concen: 37.735 ng
RT: 7.495 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 70 Resp: 29245

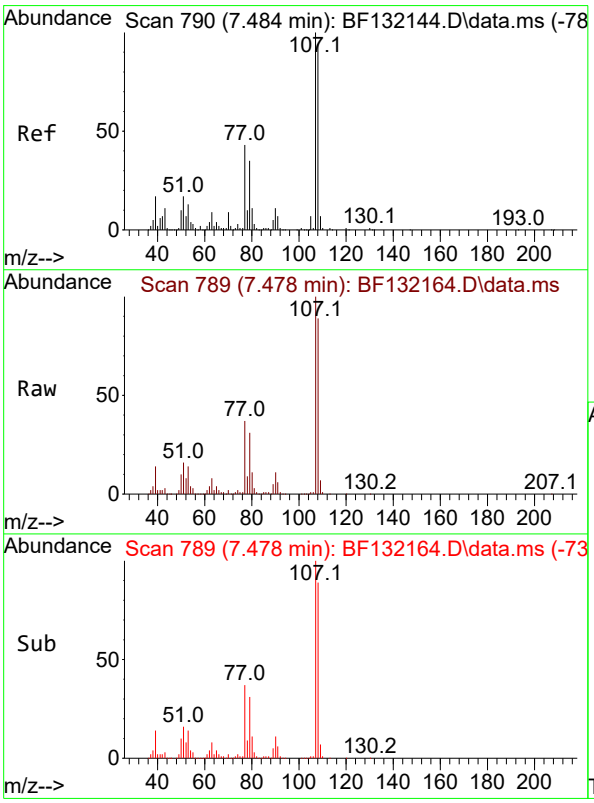
Ion	Ratio	Lower	Upper
70	100		
42	62.0	51.0	76.4
101	9.3	7.3	10.9
130	20.0	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

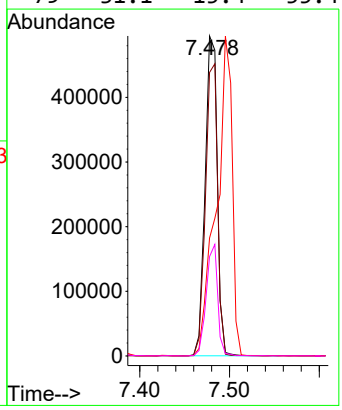
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

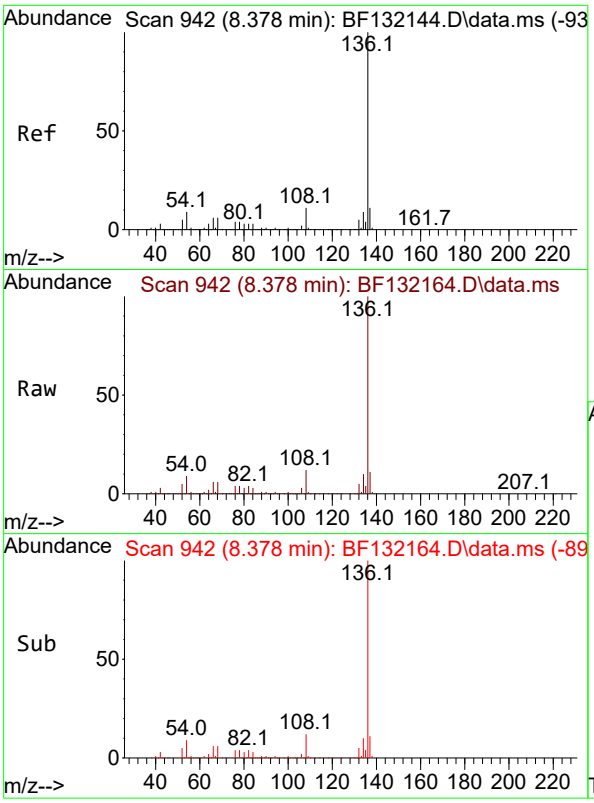


#20
3+4-Methylphenols
Concen: 39.983 ng
RT: 7.478 min Scan# 789
Delta R.T. -0.006 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:107 Resp: 466332

Ion	Ratio	Lower	Upper
107	100		
108	88.6	73.8	113.8
77	36.9	22.8	62.8
79	31.1	15.4	55.4

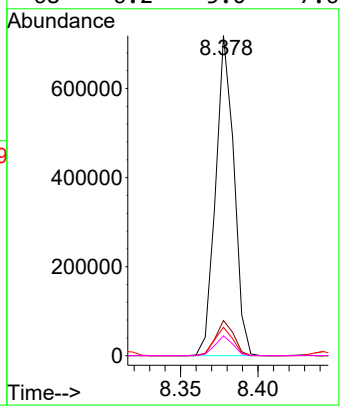




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.378 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:136 Resp: 59088

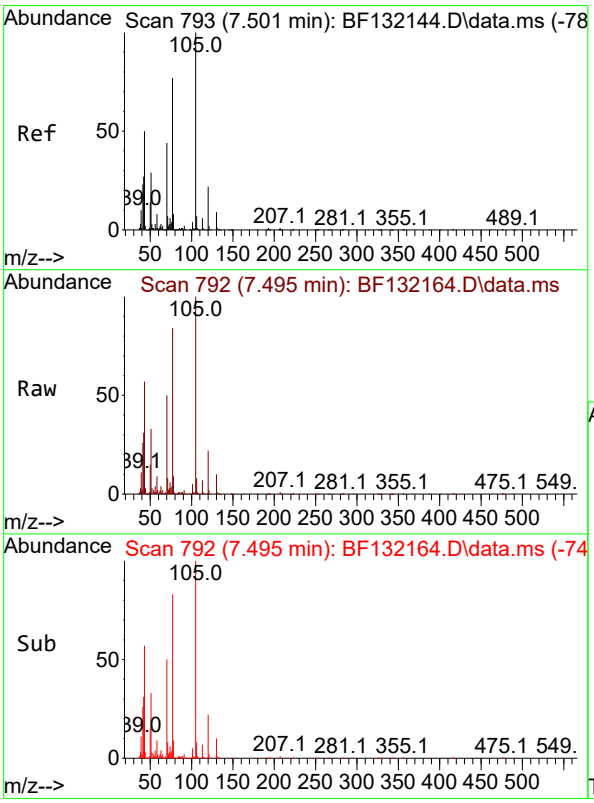
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.9	7.0	10.6
68	6.2	5.0	7.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

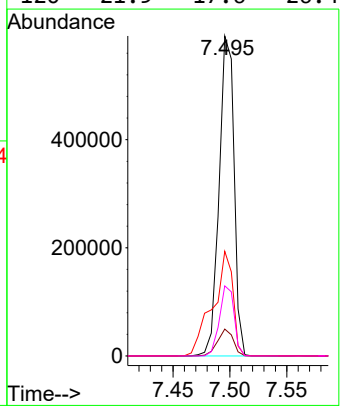
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

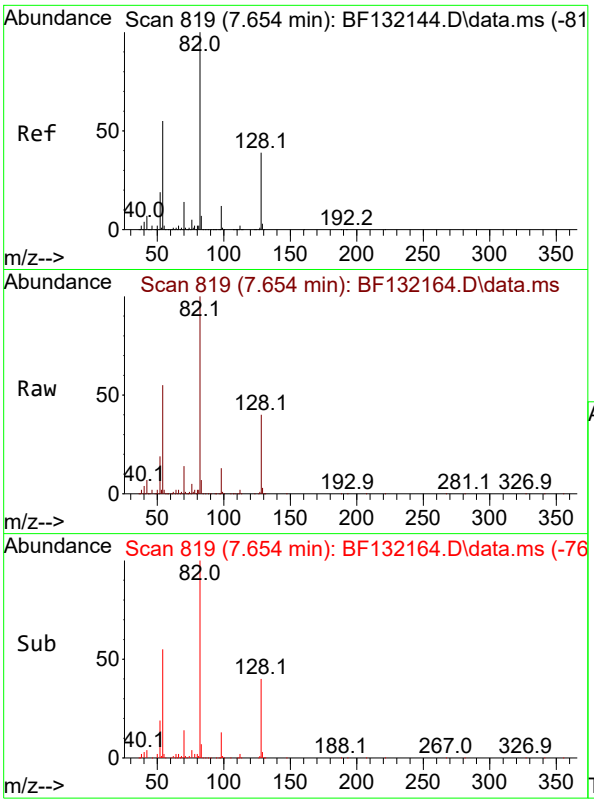


#22
Acetophenone
Concen: 38.310 ng
RT: 7.495 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:105 Resp: 544080

Ion	Ratio	Lower	Upper
105	100		
71	8.4	5.8	8.6
51	32.7	23.0	34.6
120	21.9	17.6	26.4





#23
Nitrobenzene-d5
Concen: 83.538 ng
RT: 7.654 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

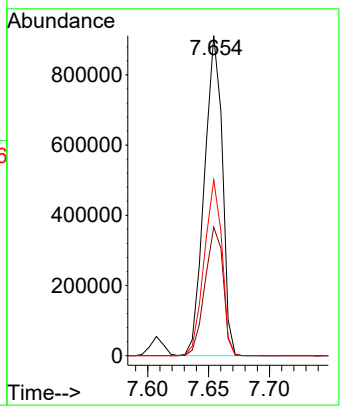
Tgt Ion: 82 Resp: 92918

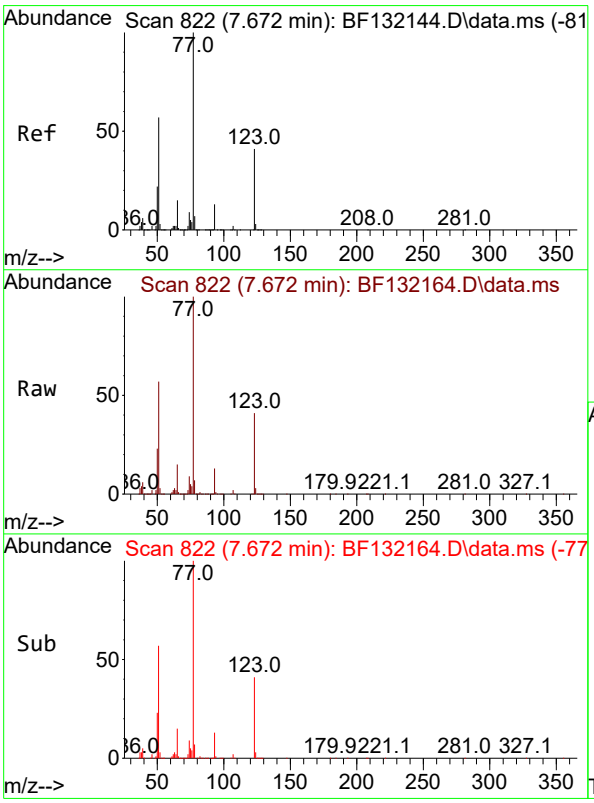
Ion	Ratio	Lower	Upper
82	100		
128	40.2	31.1	46.7
54	54.9	43.9	65.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

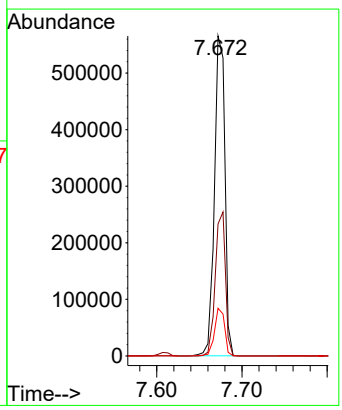


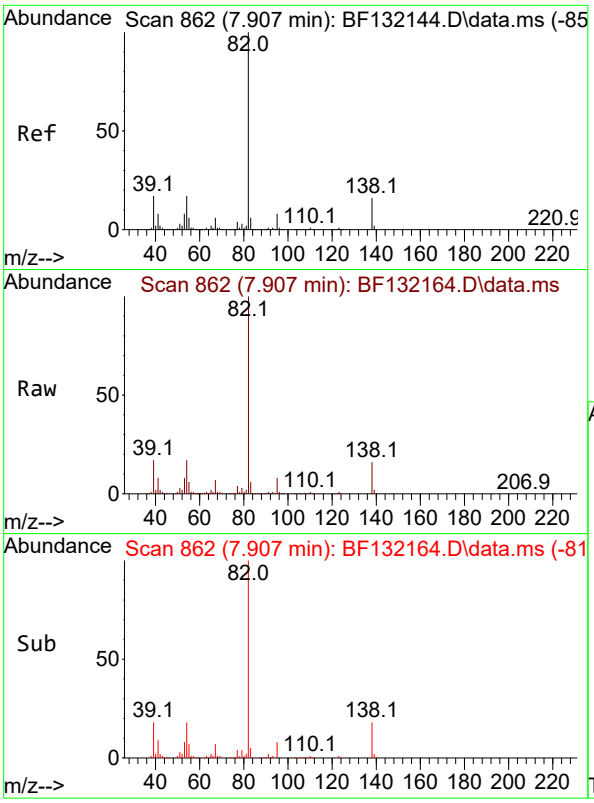


#24
Nitrobenzene
Concen: 40.981 ng
RT: 7.672 min Scan# 822
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 77 Resp: 482635

Ion	Ratio	Lower	Upper
77	100		
123	41.2	33.1	49.7
65	14.9	11.7	17.5

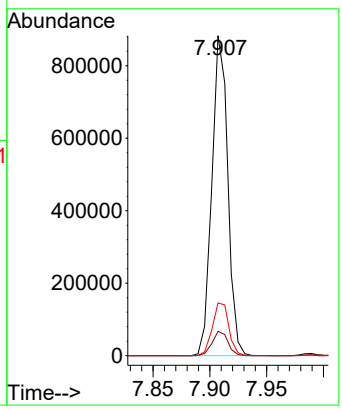




#25
Isophorone
Concen: 39.448 ng
RT: 7.907 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 82 Resp: 85852

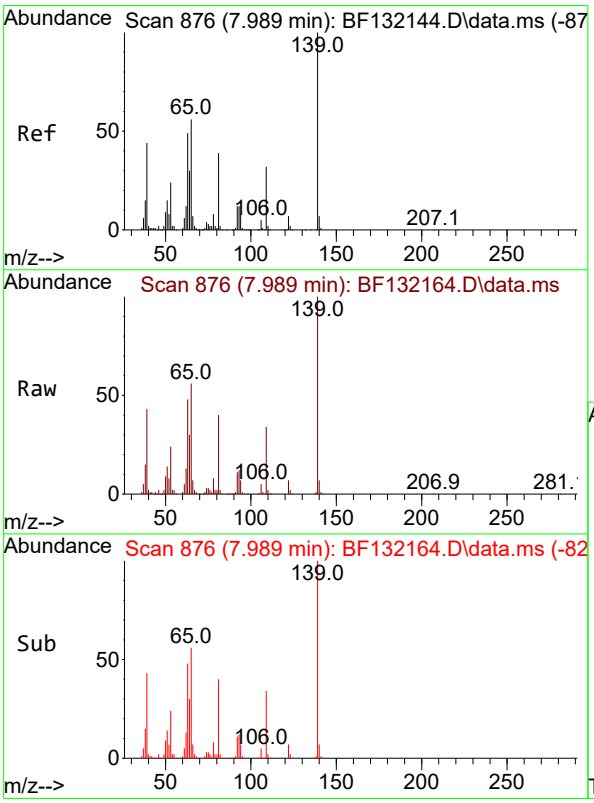
Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.2	9.2
138	16.5	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

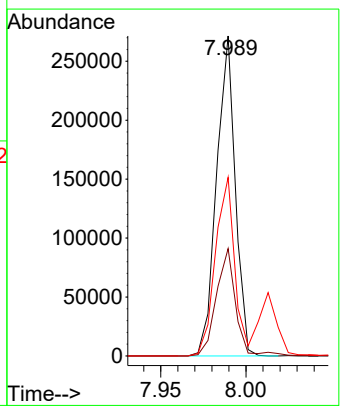
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

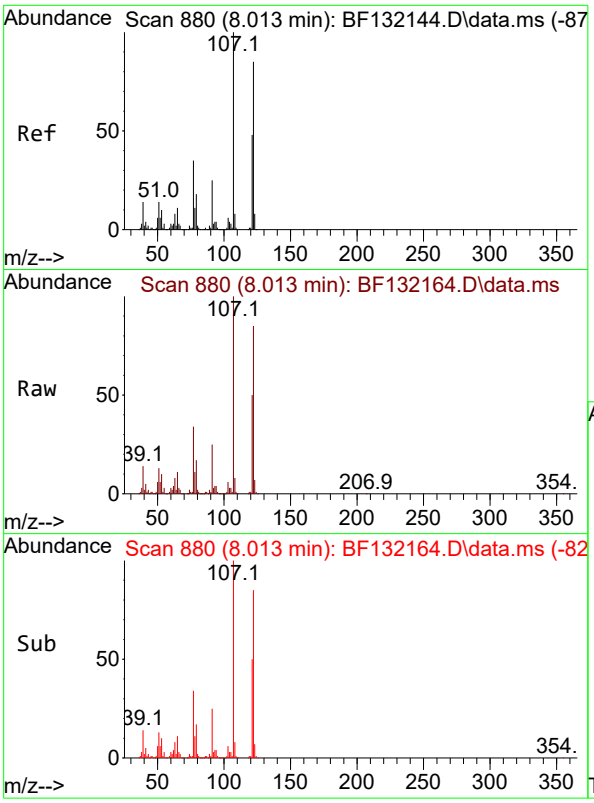


#26
2-Nitrophenol
Concen: 46.464 ng
RT: 7.989 min Scan# 876
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:139 Resp: 207296

Ion	Ratio	Lower	Upper
139	100		
109	33.6	25.8	38.8
65	55.8	44.6	66.8

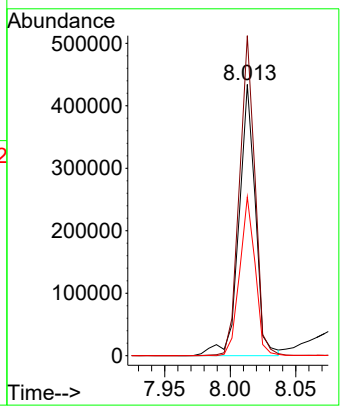




#27
2,4-Dimethylphenol
Concen: 40.006 ng
RT: 8.013 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:122 Resp: 37674

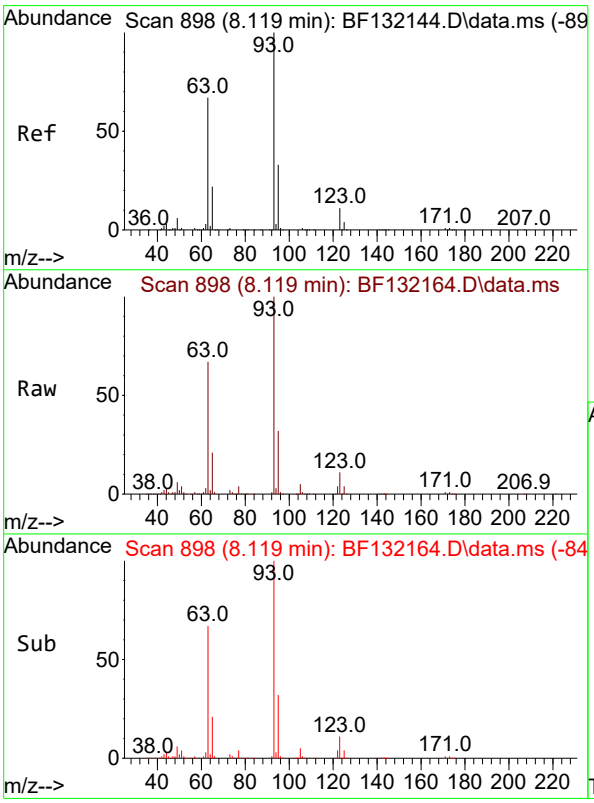
Ion	Ratio	Lower	Upper
122	100		
107	118.0	94.2	141.4
121	58.5	45.6	68.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

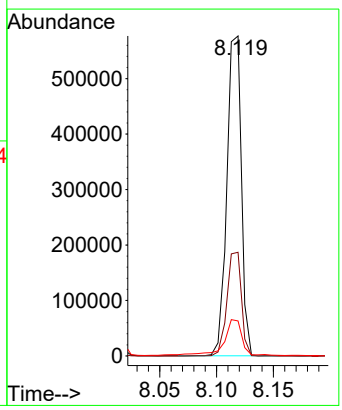
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

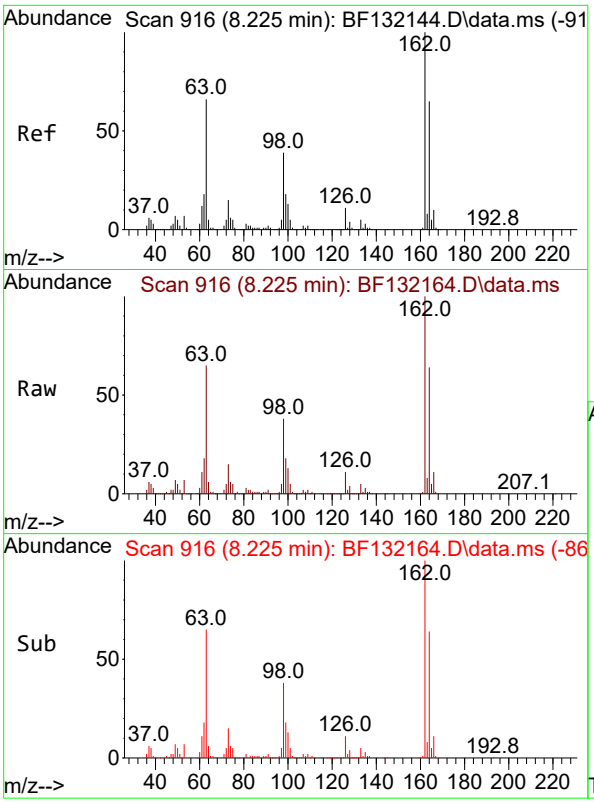


#28
bis(2-Chloroethoxy)methane
Concen: 39.255 ng
RT: 8.119 min Scan# 898
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 93 Resp: 512581

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.2
123	10.9	9.1	13.7





#29
2,4-Dichlorophenol
Concen: 41.089 ng
RT: 8.225 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

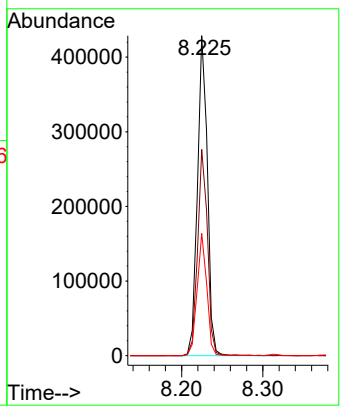
Tgt Ion:162 Resp: 36735

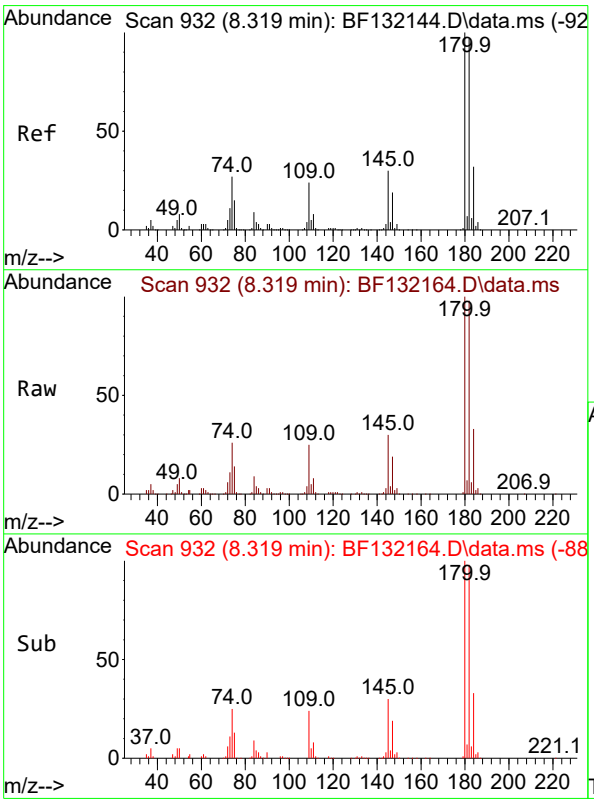
Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.7	84.7
98	38.2	18.8	58.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

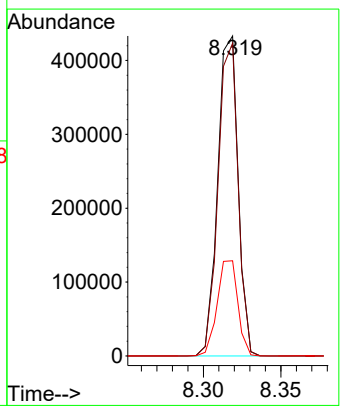


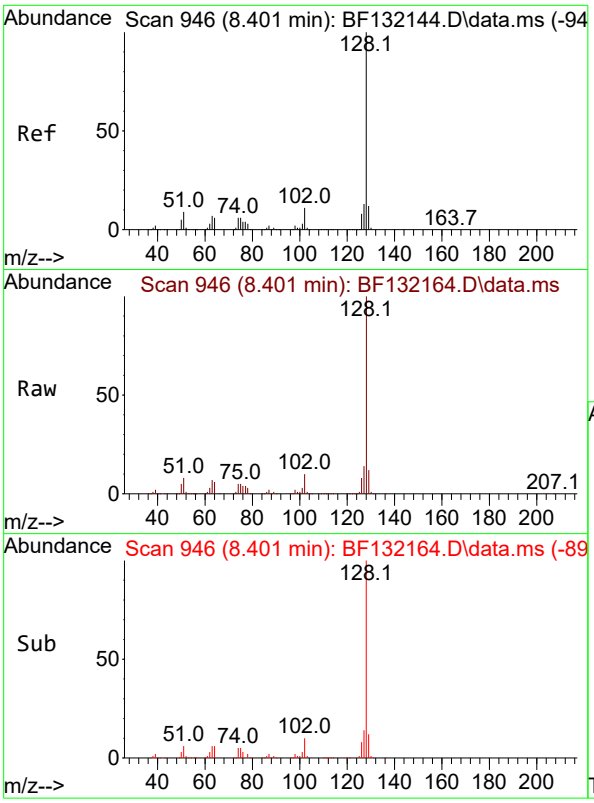


#30
1,2,4-Trichlorobenzene
Concen: 39.014 ng
RT: 8.319 min Scan# 932
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:180 Resp: 396183

Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.4	116.0
145	29.8	23.8	35.6

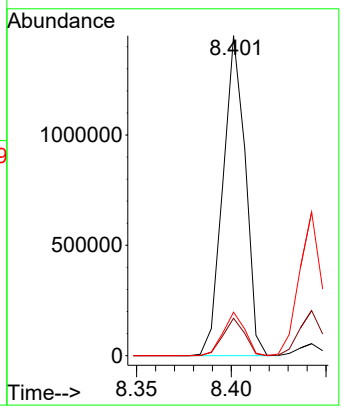




#31
Naphthalene
Concen: 39.269 ng
RT: 8.401 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:128 Resp: 119167

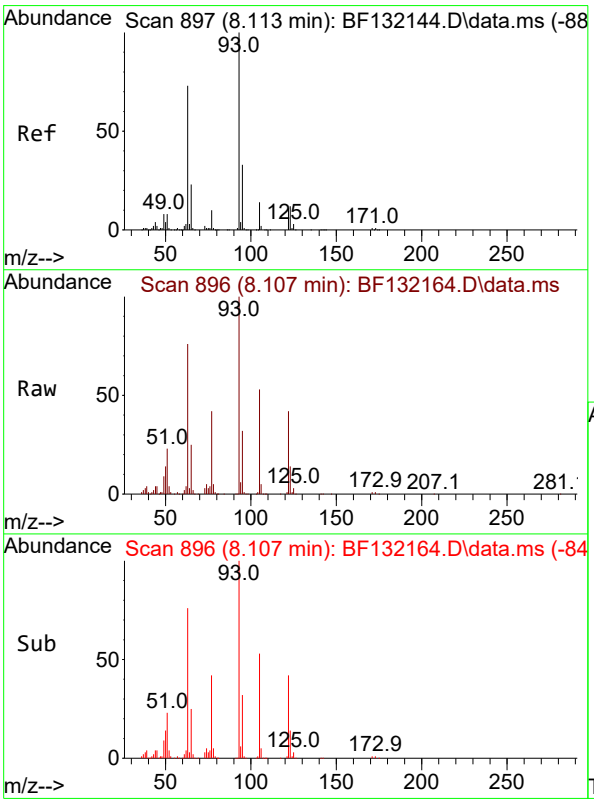
Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	13.6	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

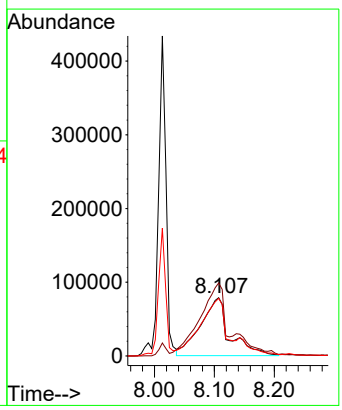
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

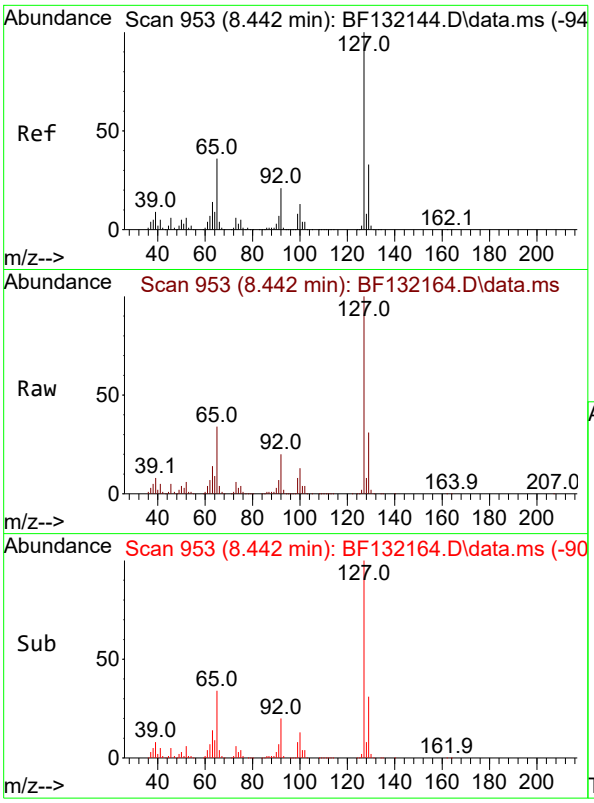


#32
Benzoic acid
Concen: 43.447 ng m
RT: 8.107 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:122 Resp: 267589

Ion	Ratio	Lower	Upper
122	100		
105	125.2	96.8	136.8
77	99.0	72.5	112.5

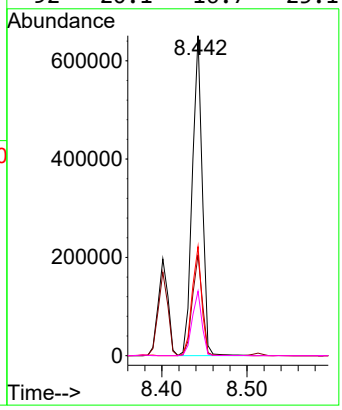




#33
4-Chloroaniline
Concen: 40.479 ng
RT: 8.442 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:127 Resp: 52567

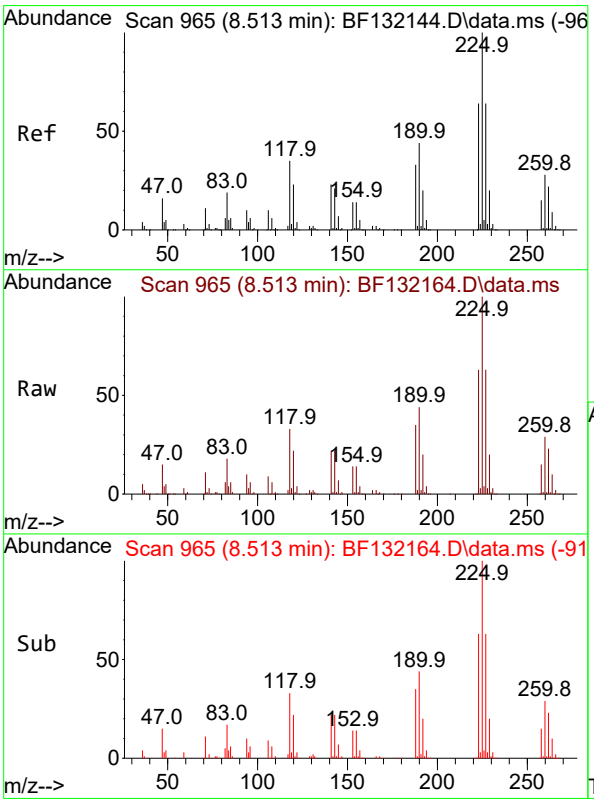
Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.0	39.0
65	34.1	28.4	42.6
92	20.1	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

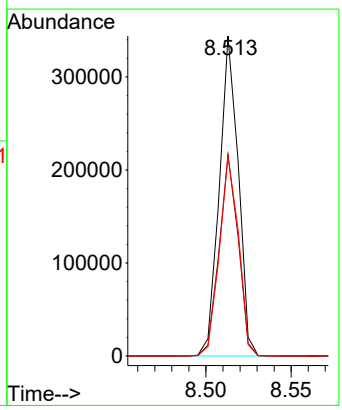
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

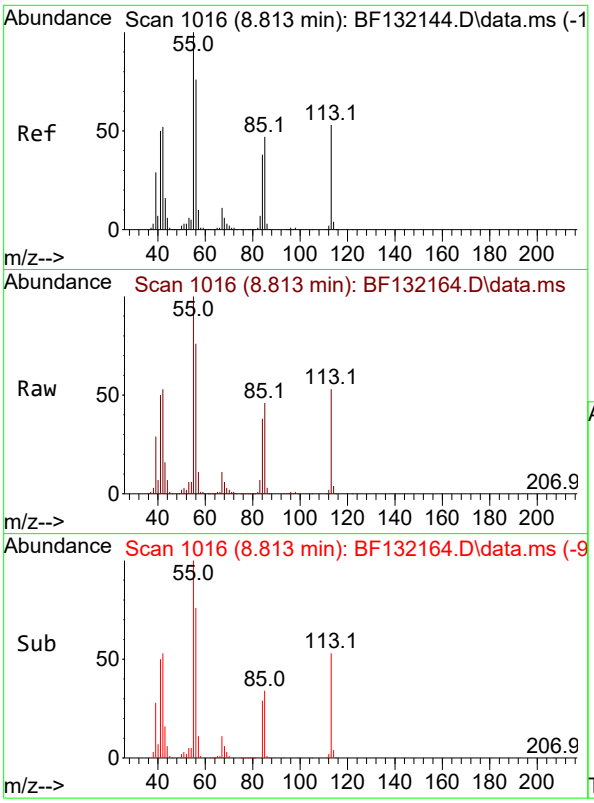


#34
Hexachlorobutadiene
Concen: 38.882 ng
RT: 8.513 min Scan# 965
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:225 Resp: 265244

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.9	76.3
227	62.6	50.8	76.2





#35
Caprolactam
Concen: 45.882 ng
RT: 8.813 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

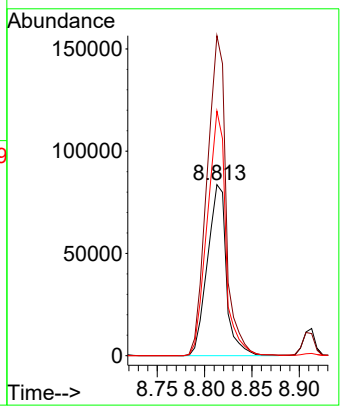
Tgt Ion:113 Resp: 11632

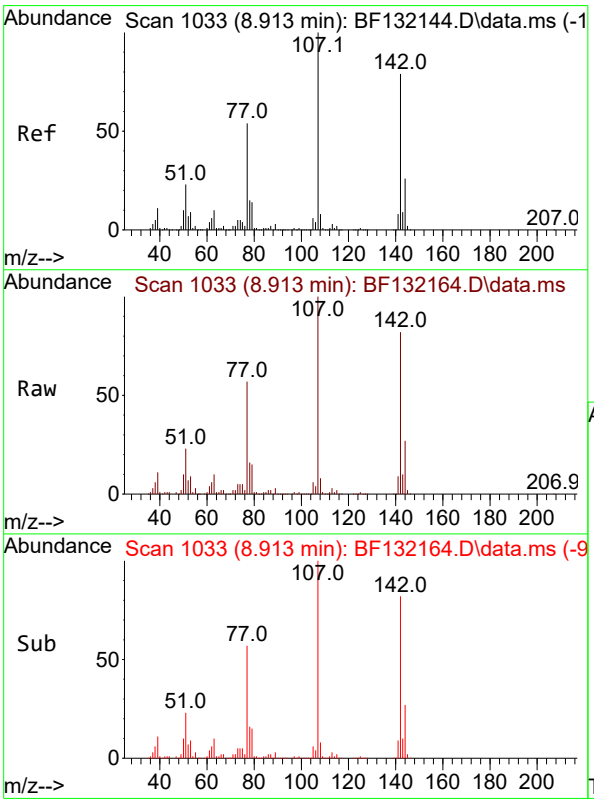
Ion	Ratio	Lower	Upper
113	100		
55	187.1	167.5	207.5
56	143.0	122.0	162.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

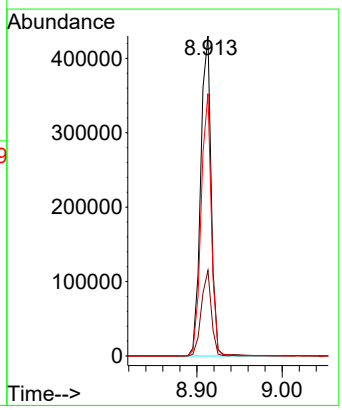


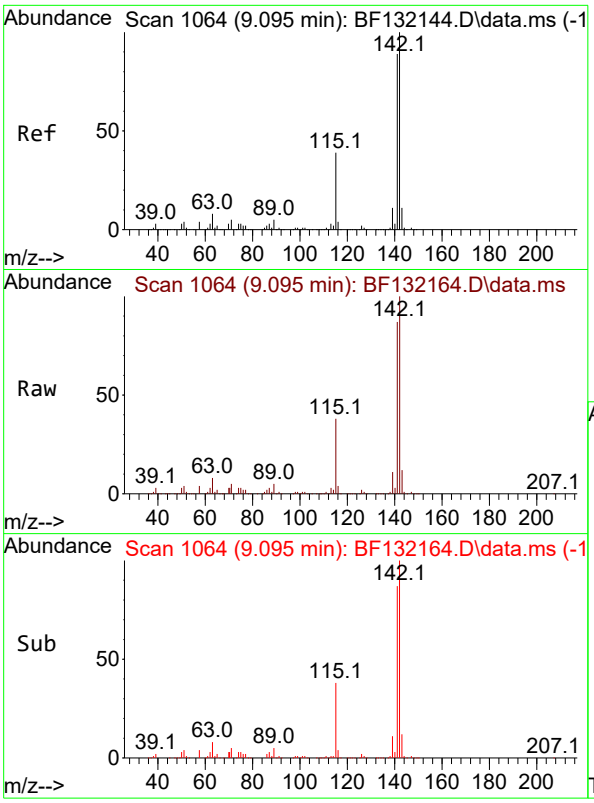


#36
4-Chloro-3-methylphenol
Concen: 40.995 ng
RT: 8.913 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:107 Resp: 368836

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.0	31.4
142	82.0	63.6	95.4





#37
2-Methylnaphthalene
Concen: 38.901 ng
RT: 9.095 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

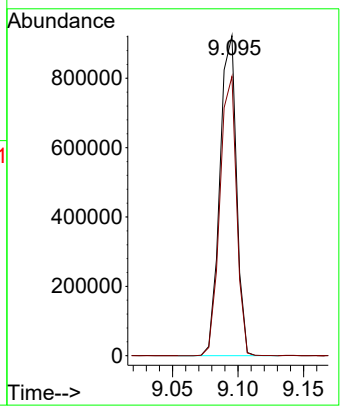
Tgt Ion:142 Resp: 81278

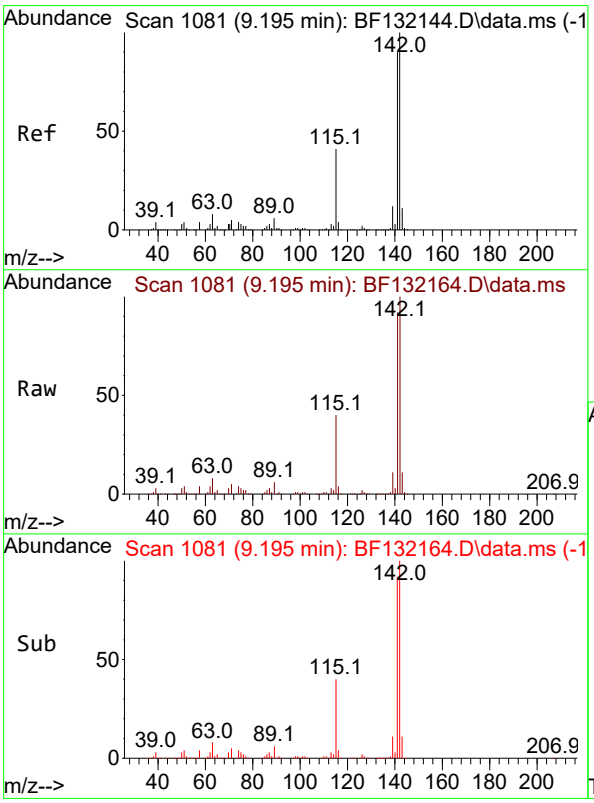
Ion	Ratio	Lower	Upper
142	100		
141	87.3	71.1	106.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

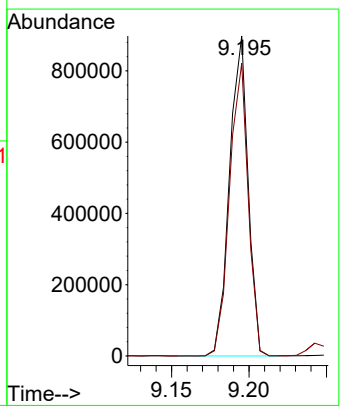


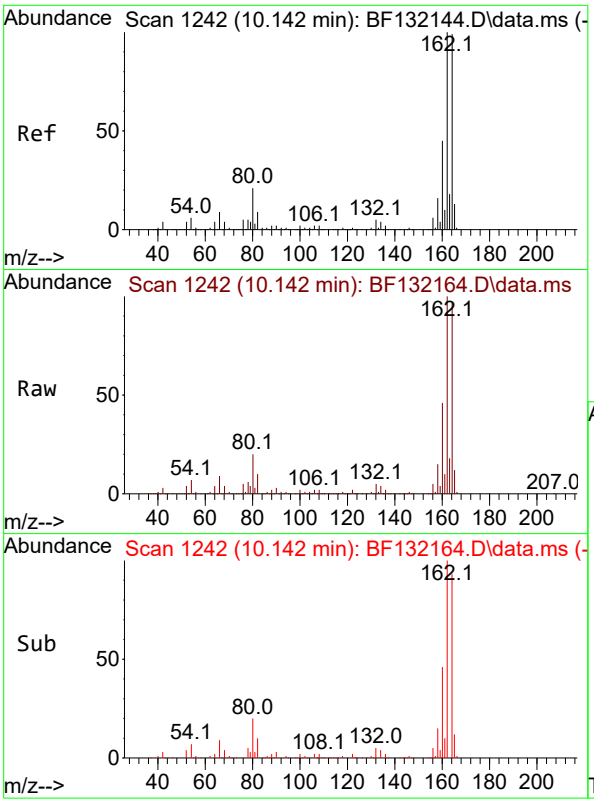


#38
1-Methylnaphthalene
Concen: 38.580 ng
RT: 9.195 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:142 Resp: 750019

Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.1	108.1

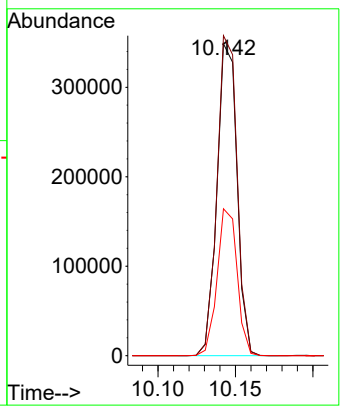




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.142 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:164 Resp: 31414

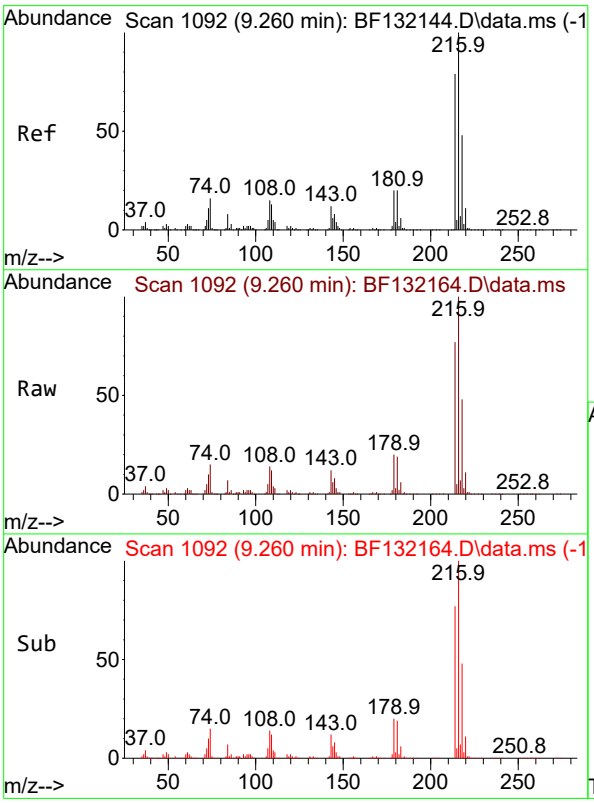
Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.2	121.8
160	47.1	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

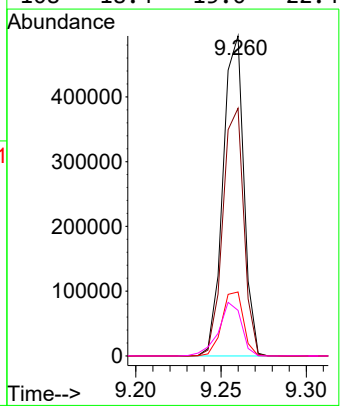
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

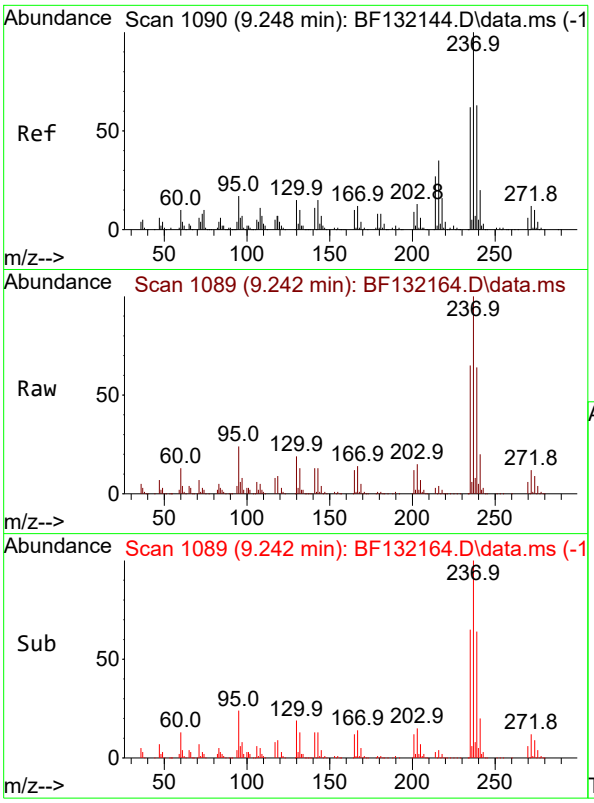


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.447 ng
RT: 9.260 min Scan# 1092
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:216 Resp: 420230

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.1	94.7
179	20.6	16.6	24.8
108	18.4	15.0	22.4

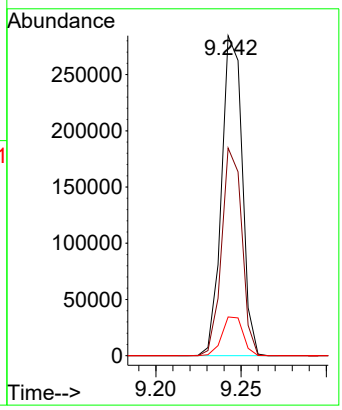




#41
Hexachlorocyclopentadiene
Concen: 40.232 ng
RT: 9.242 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:237 Resp: 23996

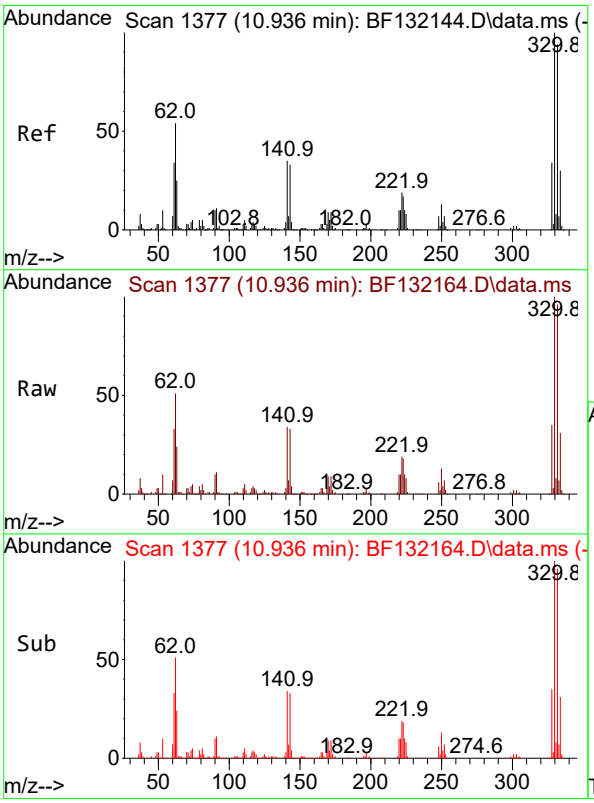
Ion	Ratio	Lower	Upper
237	100		
235	64.9	41.7	81.7
272	12.1	0.0	32.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

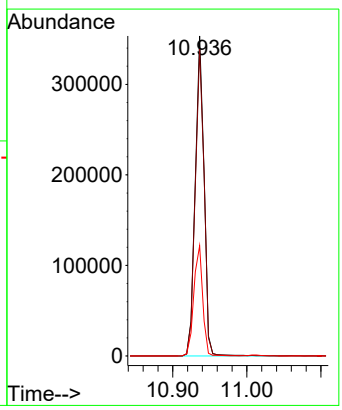
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

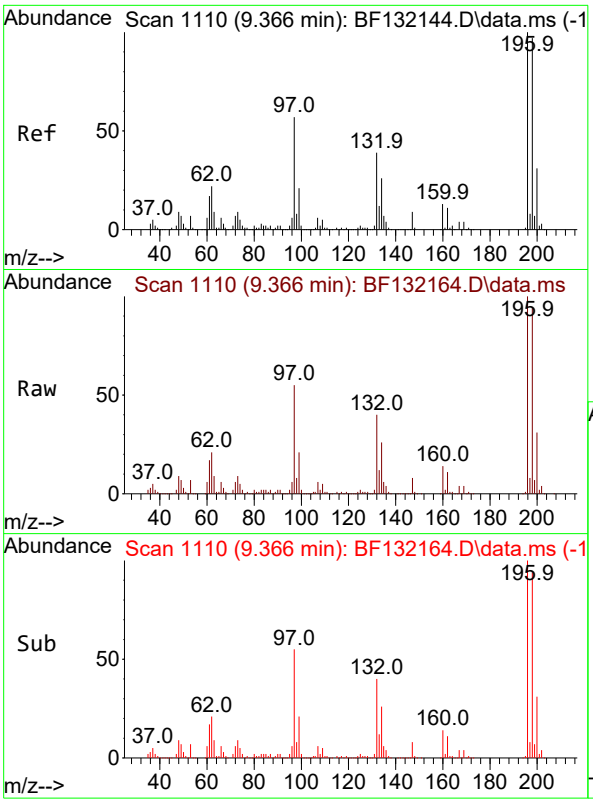


#42
2,4,6-Tribromophenol
Concen: 86.555 ng
RT: 10.936 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:330 Resp: 290439

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.6	113.4
141	34.9	27.1	40.7

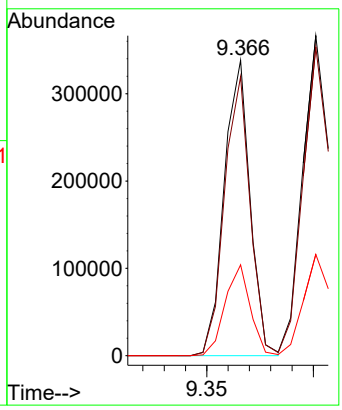




#43
2,4,6-Trichlorophenol
Concen: 41.969 ng
RT: 9.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:196 Resp: 28469

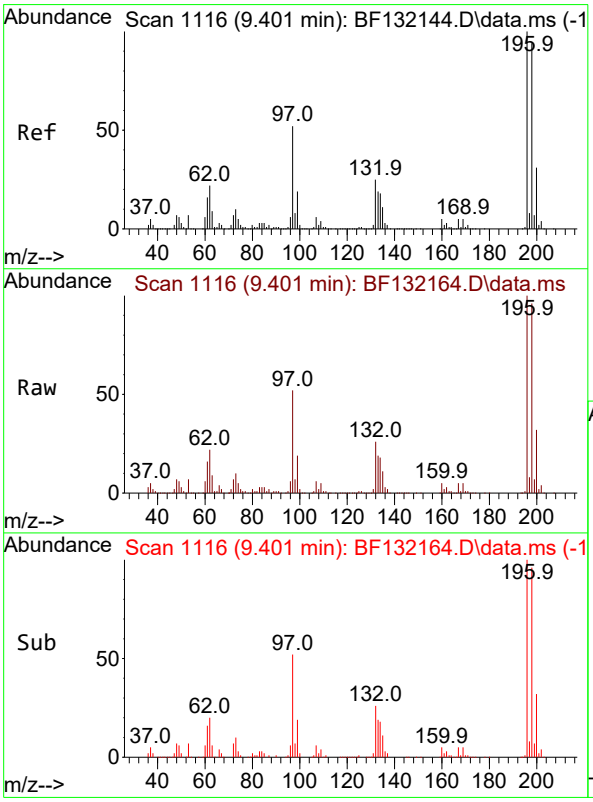
Ion	Ratio	Lower	Upper
196	100		
198	94.5	77.4	116.2
200	30.8	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

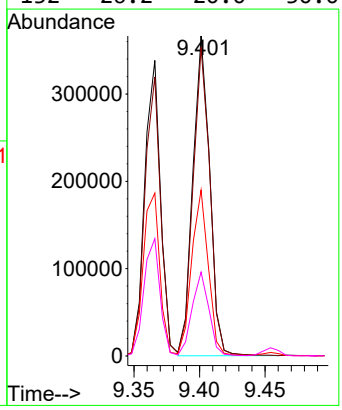
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

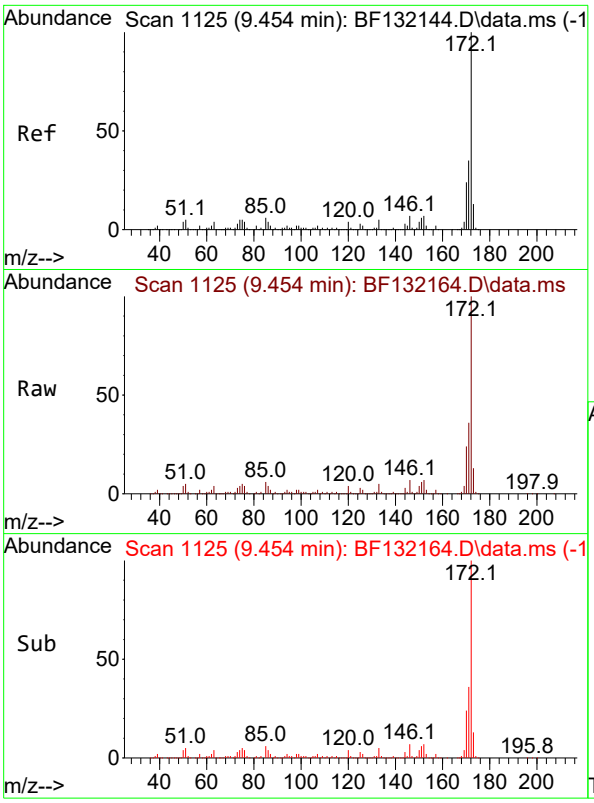


#44
2,4,5-Trichlorophenol
Concen: 41.400 ng
RT: 9.401 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:196 Resp: 328449

Ion	Ratio	Lower	Upper
196	100		
198	96.4	75.3	112.9
97	51.8	41.3	61.9
132	26.2	20.0	30.0

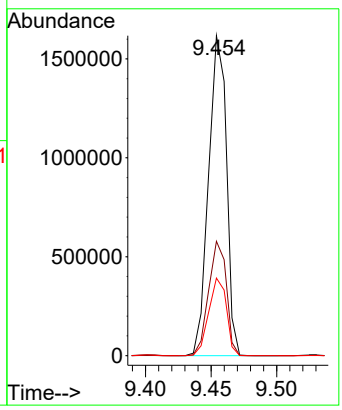




#45
2-Fluorobiphenyl
Concen: 71.530 ng
RT: 9.454 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:172 Resp: 153780

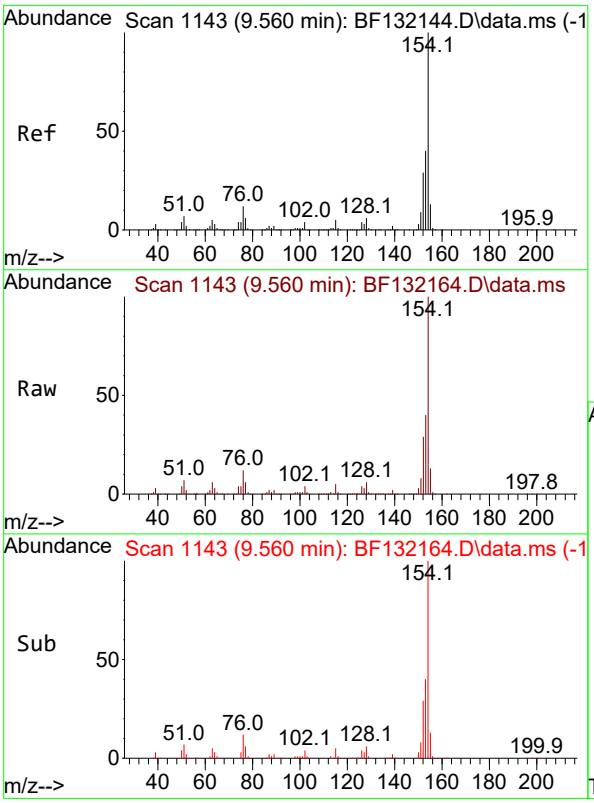
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	24.2	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

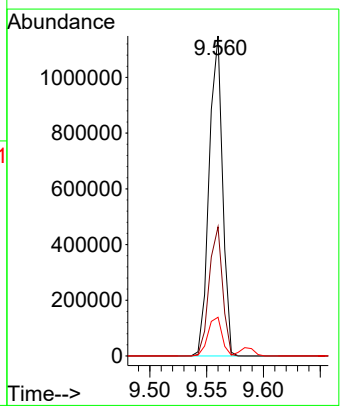
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

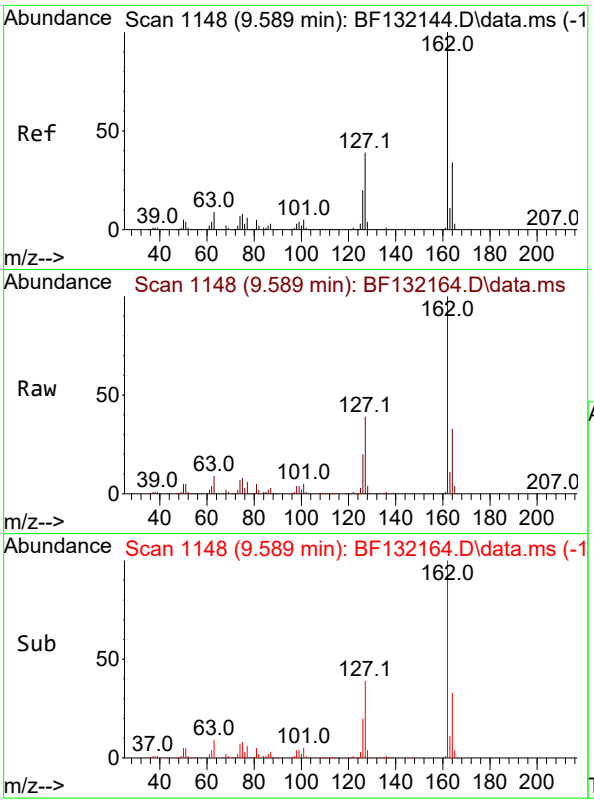


#46
1,1'-Biphenyl
Concen: 37.981 ng
RT: 9.560 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:154 Resp: 941310

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.2	60.2
76	12.1	0.0	32.2

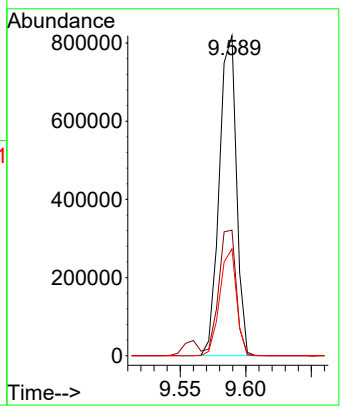




#47
2-Chloronaphthalene
Concen: 38.889 ng
RT: 9.589 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:162 Resp: 74505

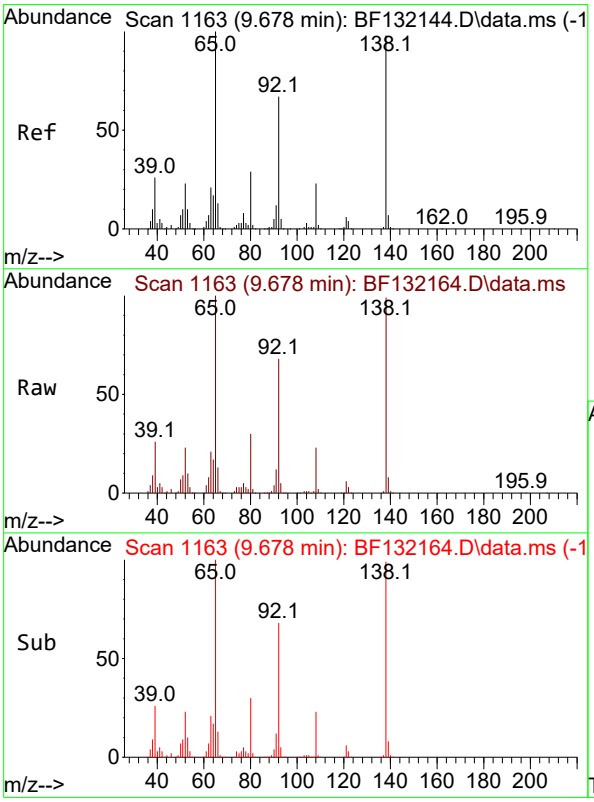
Ion	Ratio	Lower	Upper
162	100		
127	39.2	31.1	46.7
164	33.4	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

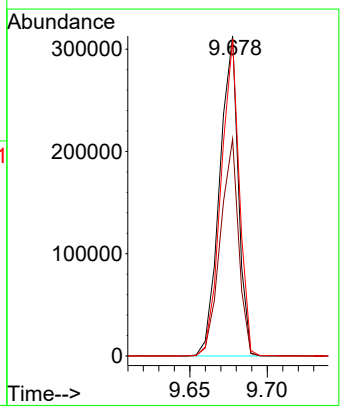
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

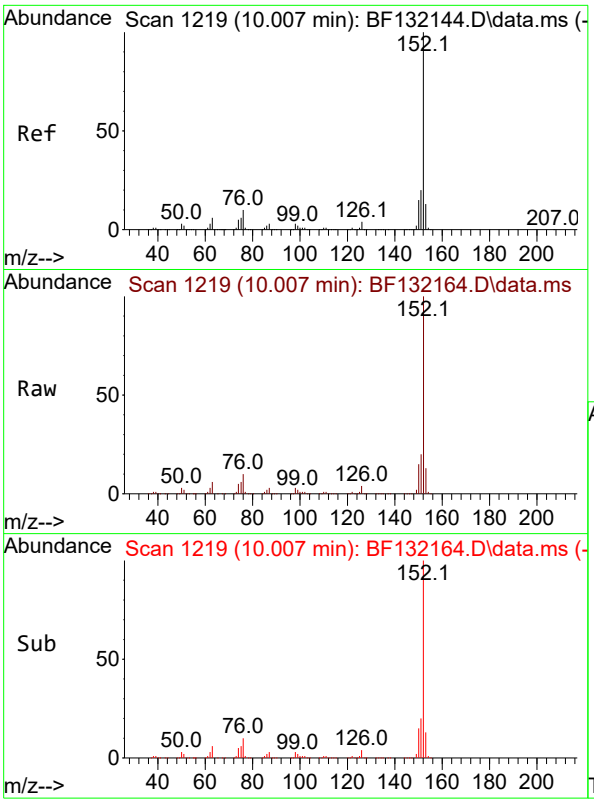


#48
2-Nitroaniline
Concen: 42.996 ng
RT: 9.678 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 65 Resp: 261720

Ion	Ratio	Lower	Upper
65	100		
92	67.8	53.8	80.6
138	99.1	78.7	118.1

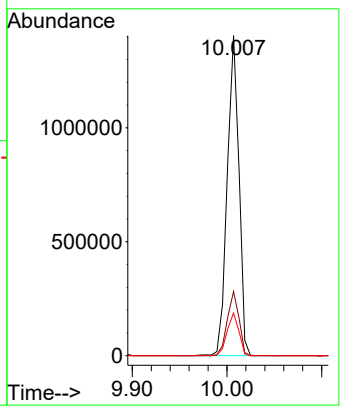




#49
Acenaphthylene
Concen: 39.256 ng
RT: 10.007 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:152 Resp: 120317

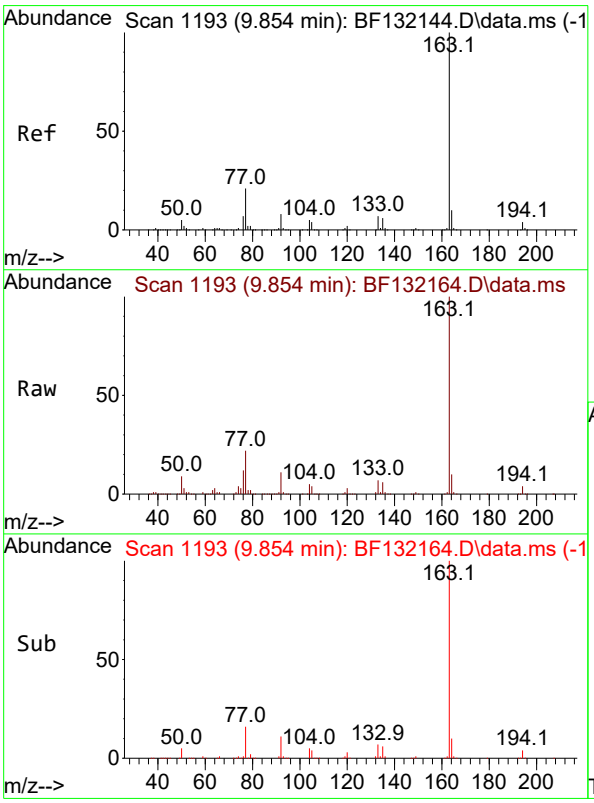
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.4	24.6
153	13.4	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

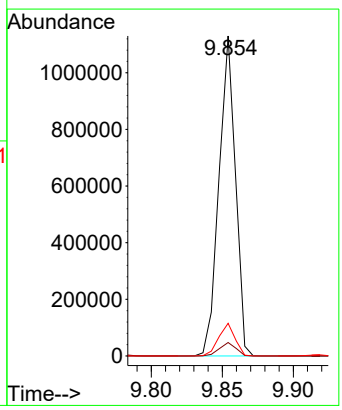
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

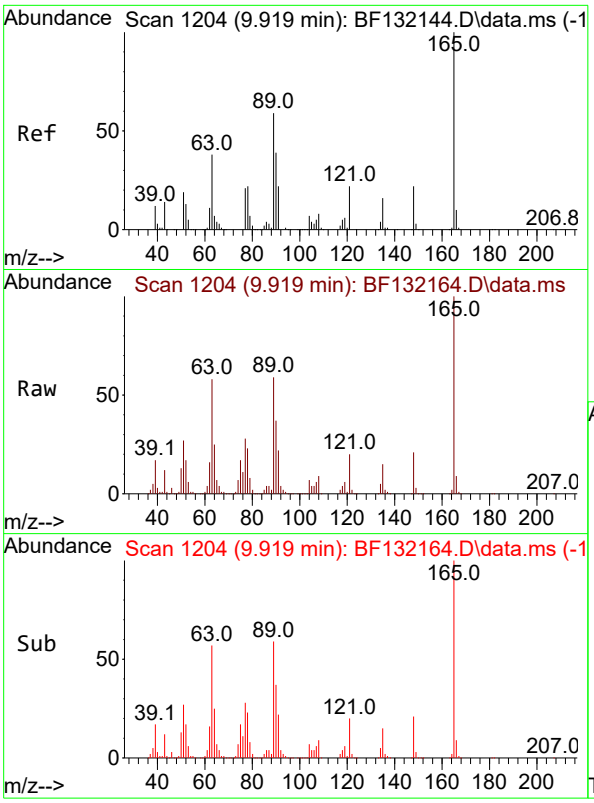


#50
Dimethylphthalate
Concen: 40.067 ng
RT: 9.854 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:163 Resp: 911609

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.1	4.7
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 46.890 ng
RT: 9.919 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

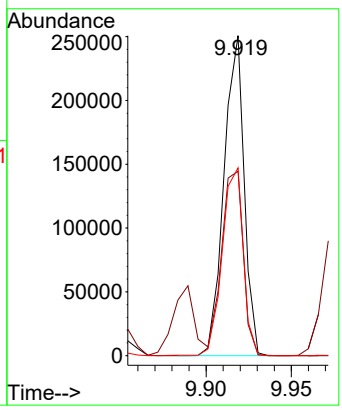
Tgt Ion:165 Resp: 20678

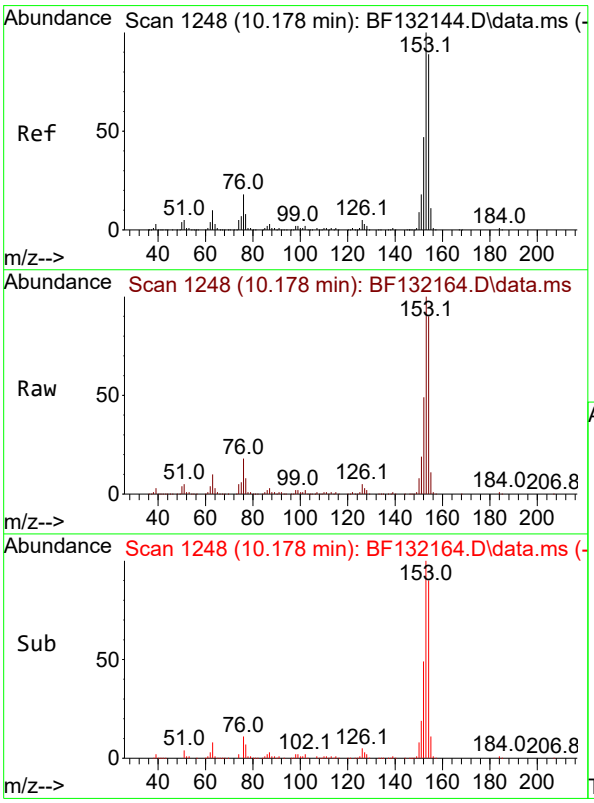
Ion	Ratio	Lower	Upper
165	100		
63	57.7	46.6	70.0
89	58.7	47.4	71.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

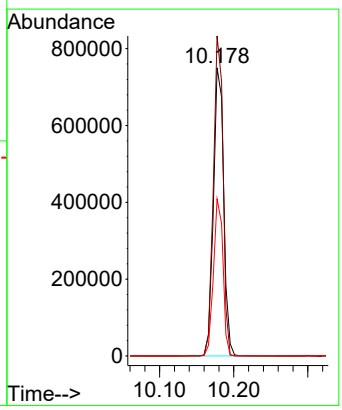


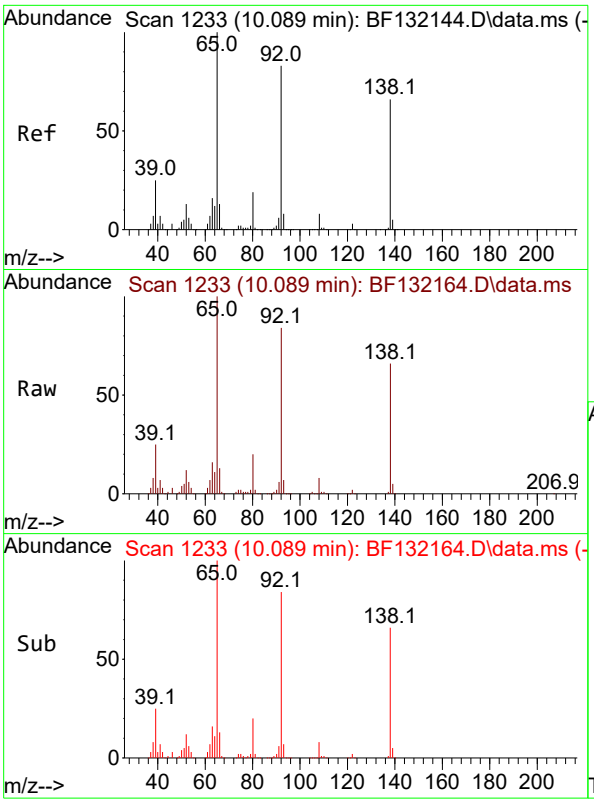


#52
Acenaphthene
Concen: 39.012 ng
RT: 10.178 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:154 Resp: 719203

Ion	Ratio	Lower	Upper
154	100		
153	111.0	89.8	134.8
152	54.5	42.3	63.5

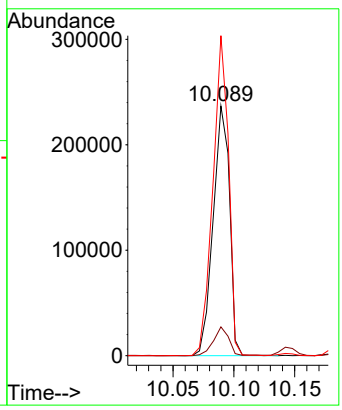




#53
3-Nitroaniline
Concen: 47.109 ng
RT: 10.089 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:138 Resp: 22211

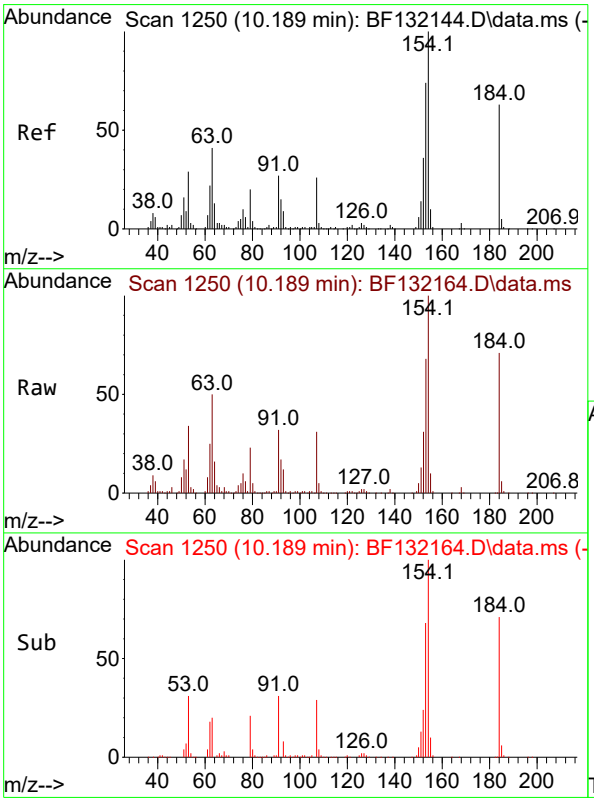
Ion	Ratio	Lower	Upper
138	100		
108	11.5	9.1	13.7
92	128.2	101.2	151.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

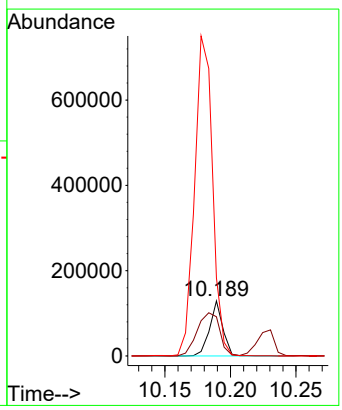
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

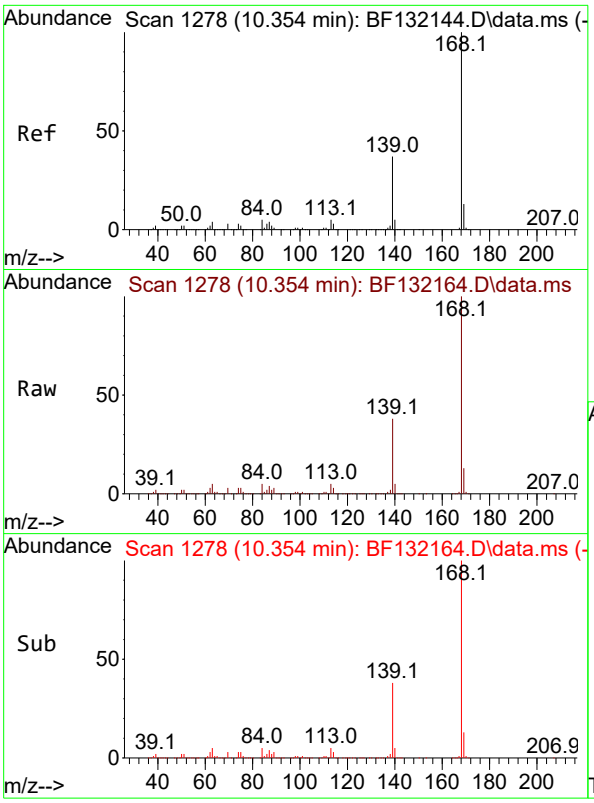


#54
2,4-Dinitrophenol
Concen: 46.708 ng
RT: 10.189 min Scan# 1250
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:184 Resp: 90478

Ion	Ratio	Lower	Upper
184	100		
63	71.3	53.2	79.8
154	141.8	129.4	194.0

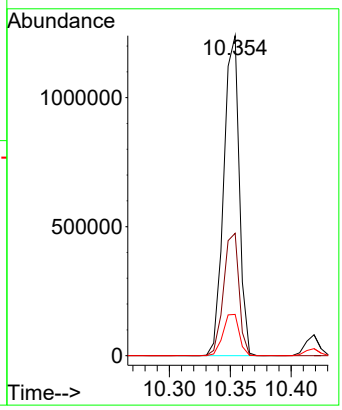




#55
Dibenzofuran
Concen: 38.595 ng
RT: 10.354 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:168 Resp: 109957

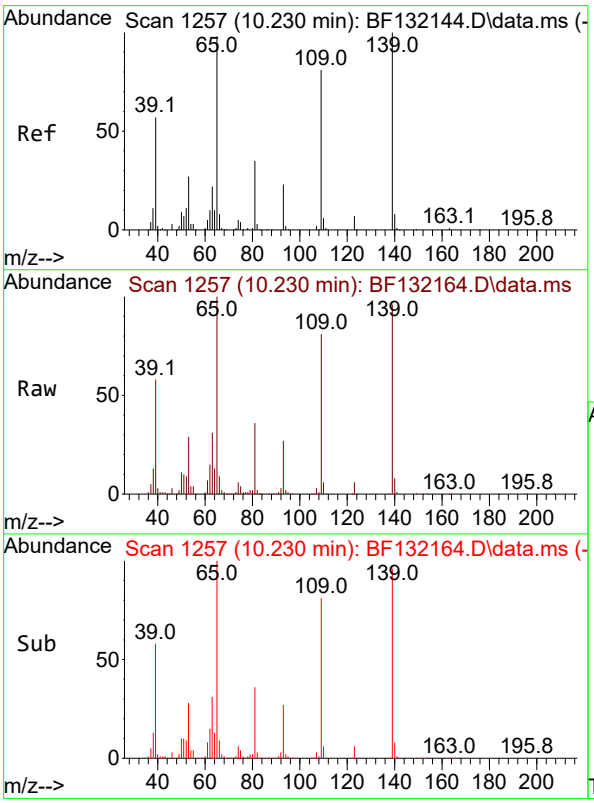
Ion	Ratio	Lower	Upper
168	100		
139	38.3	29.8	44.8
169	12.9	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

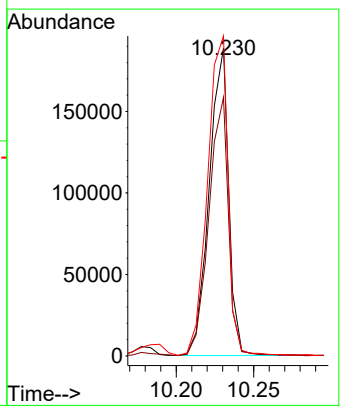
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

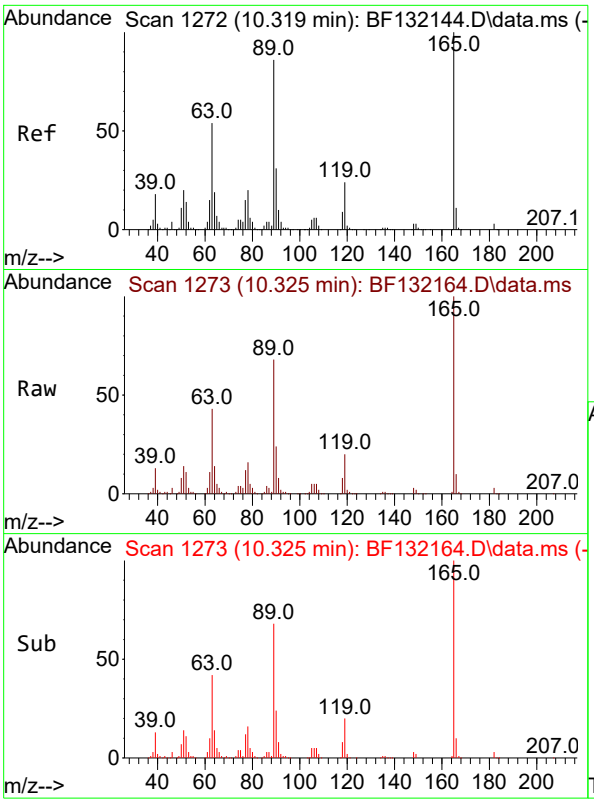


#56
4-Nitrophenol
Concen: 48.015 ng
RT: 10.230 min Scan# 1257
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:139 Resp: 164762

Ion	Ratio	Lower	Upper
139	100		
109	83.9	61.0	101.0
65	103.9	79.3	119.3

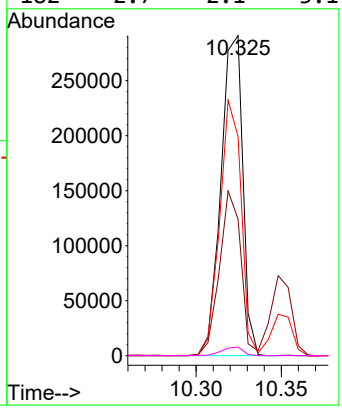




#57
2,4-Dinitrotoluene
Concen: 49.185 ng
RT: 10.325 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:165 Resp: 26036

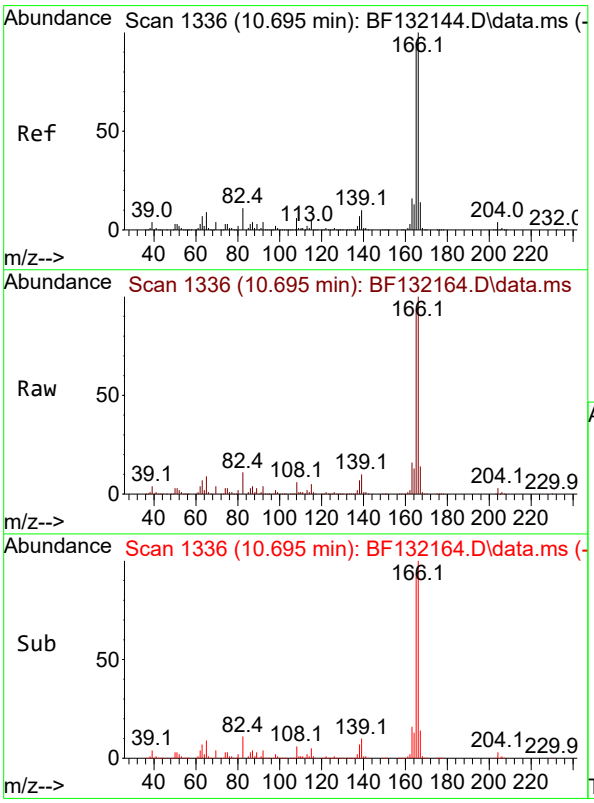
Ion	Ratio	Lower	Upper
165	100		
63	42.7	43.5	65.3#
89	68.5	69.0	103.6#
182	2.7	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

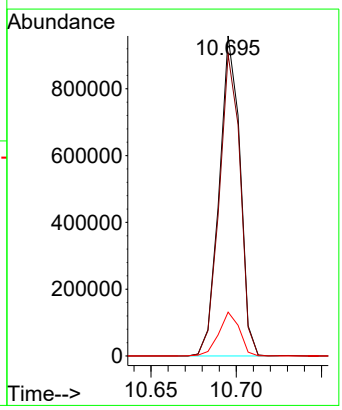
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

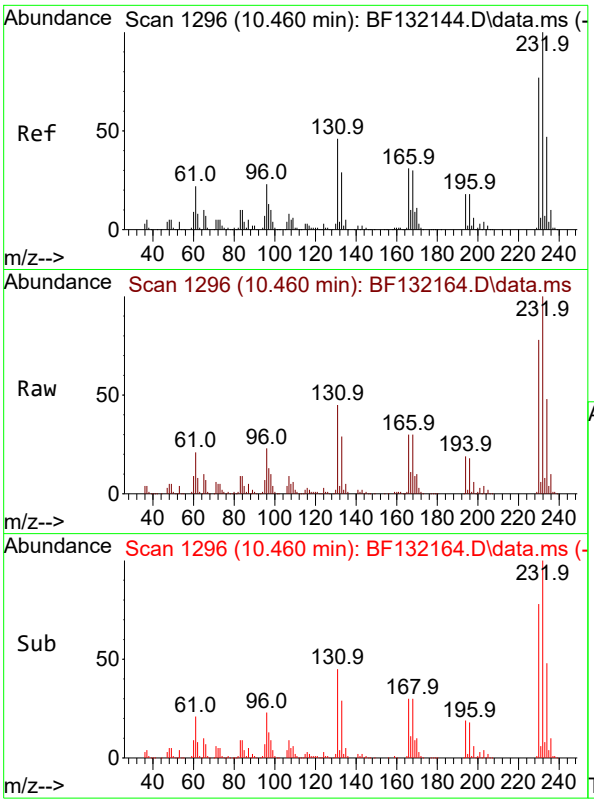


#58
Fluorene
Concen: 38.463 ng
RT: 10.695 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:166 Resp: 811964

Ion	Ratio	Lower	Upper
166	100		
165	94.2	76.4	114.6
167	13.7	11.0	16.4

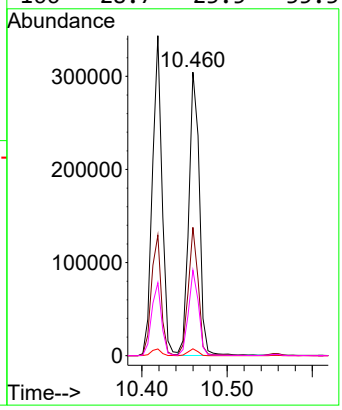




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.130 ng
RT: 10.460 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:232 Resp: 26028

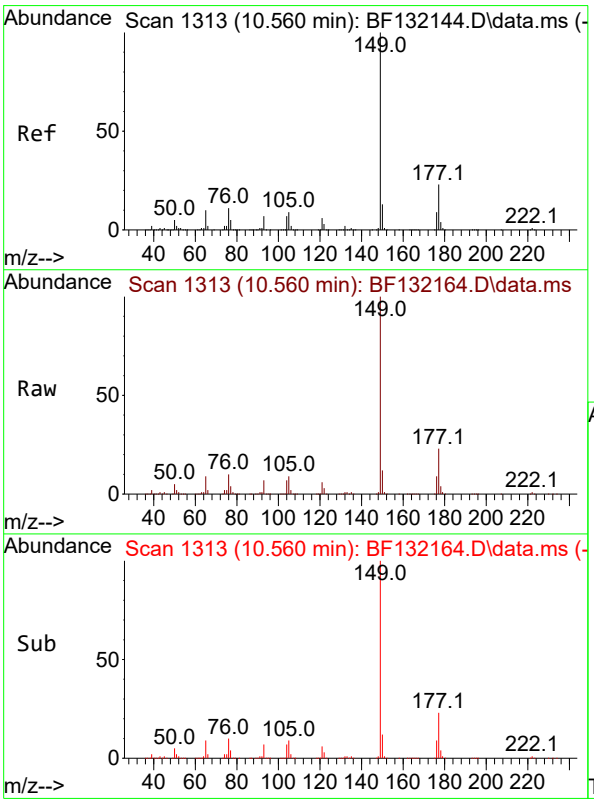
Ion	Ratio	Lower	Upper
232	100		
131	42.8	33.8	50.6
130	2.3	1.9	2.9
166	28.7	23.5	35.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

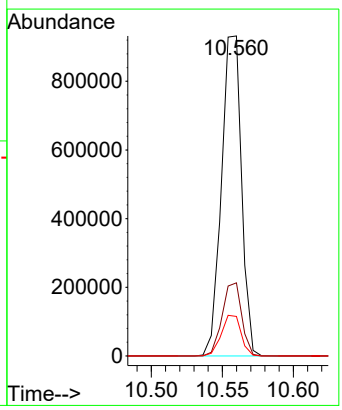
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

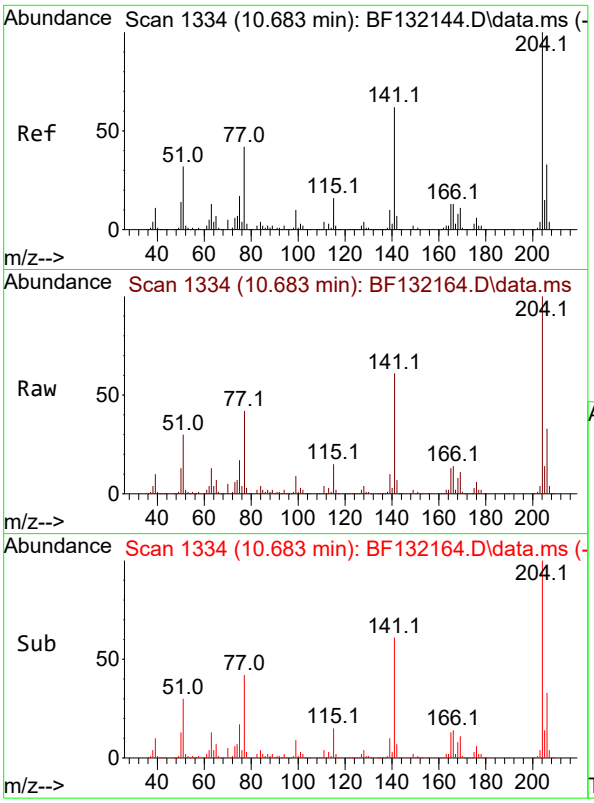


#60
Diethylphthalate
Concen: 41.052 ng
RT: 10.560 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:149 Resp: 915944

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.4	27.6
150	12.3	10.1	15.1

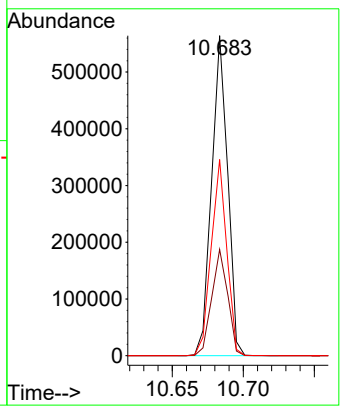




#61
4-Chlorophenyl-phenylether
Concen: 38.932 ng
RT: 10.683 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:204 Resp: 44009

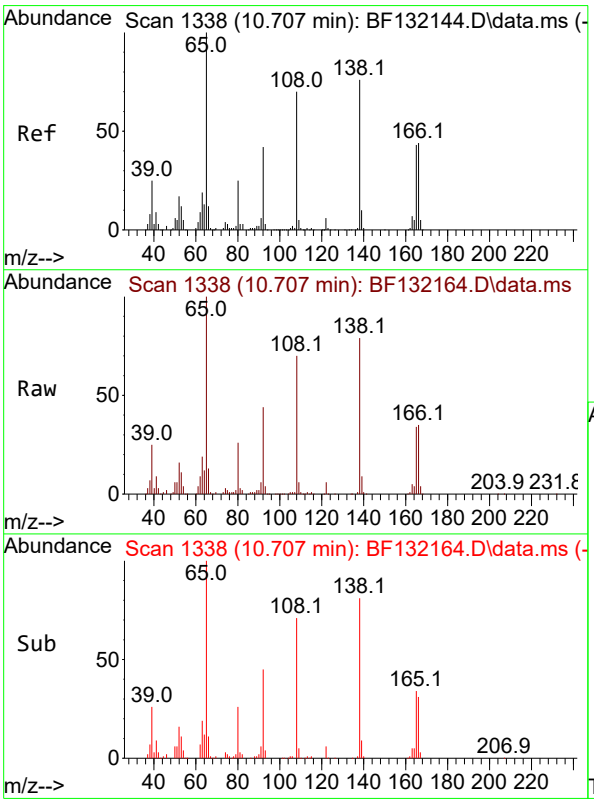
Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	61.3	49.2	73.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

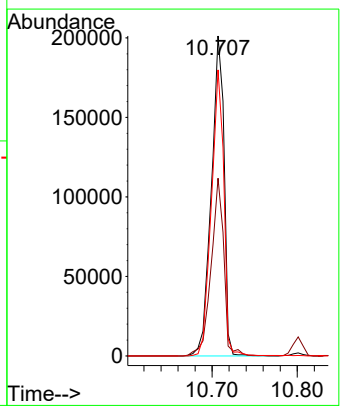
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

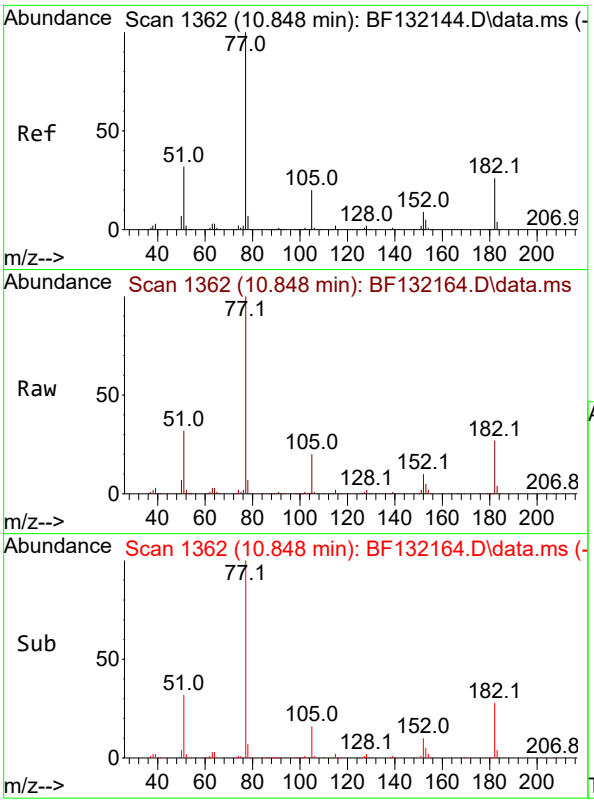


#62
4-Nitroaniline
Concen: 47.716 ng
RT: 10.707 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:138 Resp: 209454

Ion	Ratio	Lower	Upper
138	100		
92	55.6	35.9	75.9
108	89.4	72.0	112.0

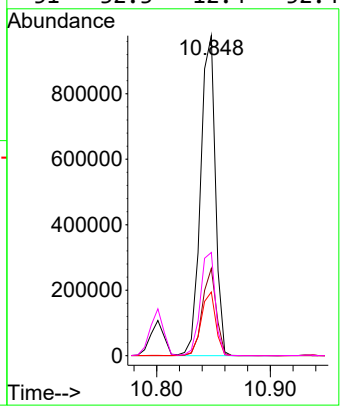




#63
Azobenzene
Concen: 39.420 ng
RT: 10.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 77 Resp: 88272

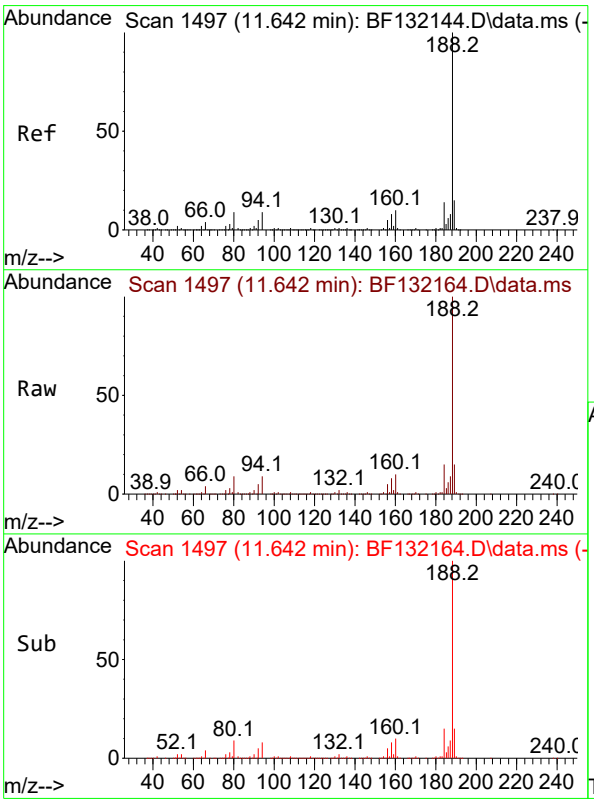
Ion	Ratio	Lower	Upper
77	100		
182	27.2	6.4	46.4
105	19.9	0.0	39.8
51	32.3	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

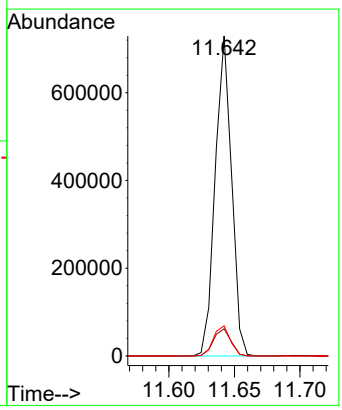
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

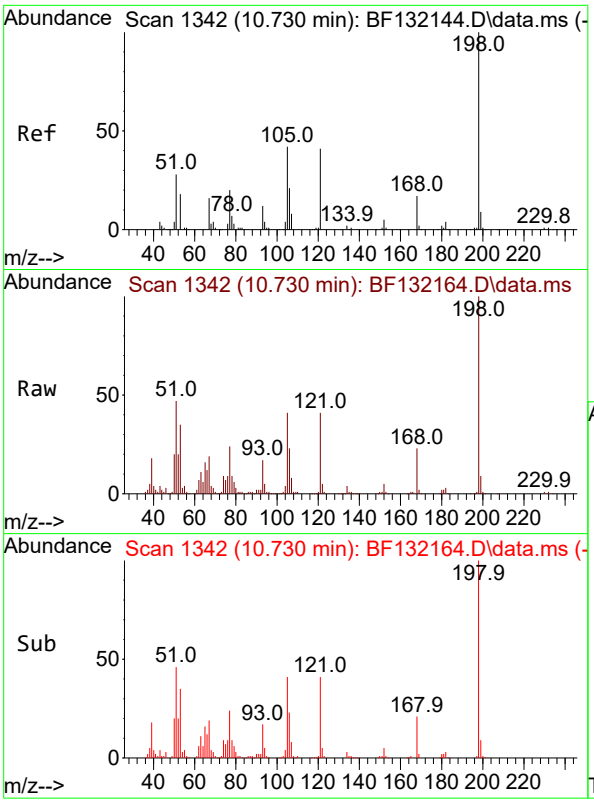


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.642 min Scan# 1497
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:188 Resp: 631542

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.9	10.3
80	9.4	7.5	11.3

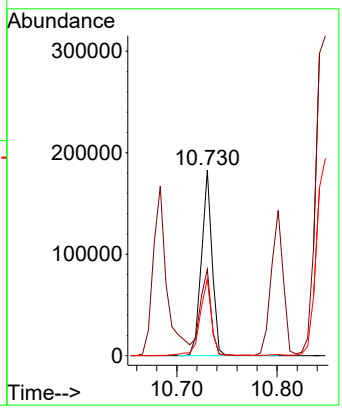




#65
4,6-Dinitro-2-methylphenol
Concen: 44.460 ng
RT: 10.730 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:198 Resp: 13574

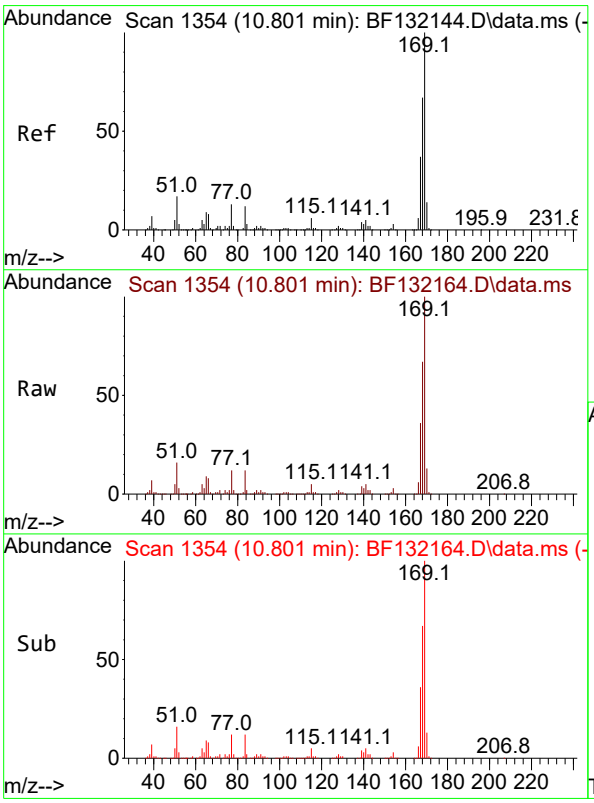
Ion	Ratio	Lower	Upper
198	100		
51	46.5	24.3	64.3
105	41.2	23.3	63.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

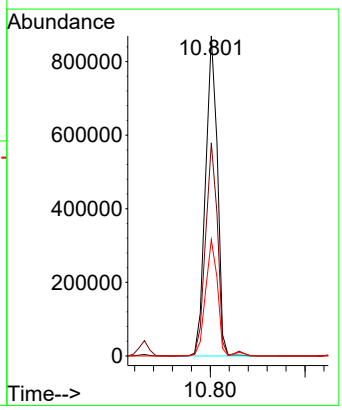
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

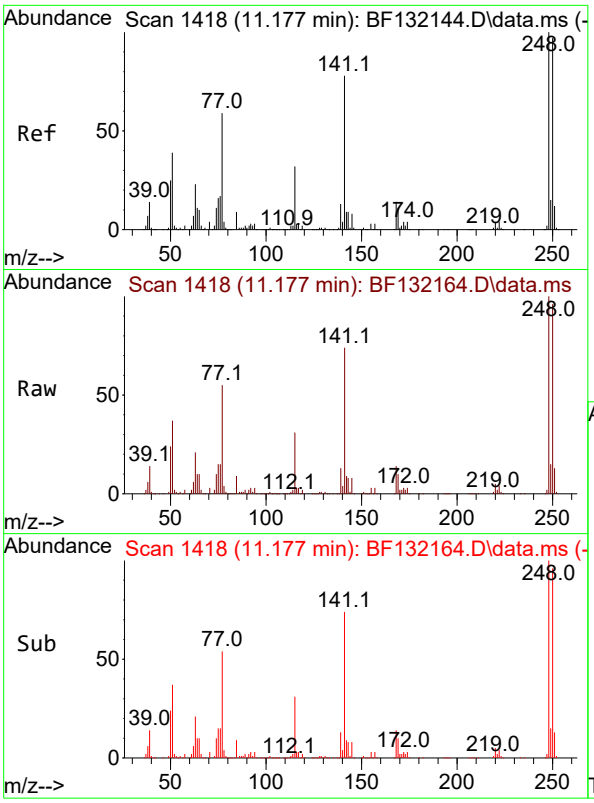


#66
n-Nitrosodiphenylamine
Concen: 37.289 ng
RT: 10.801 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:169 Resp: 754210

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.4	80.0
167	36.3	29.7	44.5





#67
4-Bromophenyl-phenylether
Concen: 37.516 ng
RT: 11.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

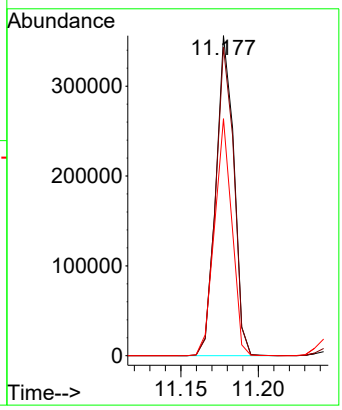
Tgt Ion:248 Resp: 28879

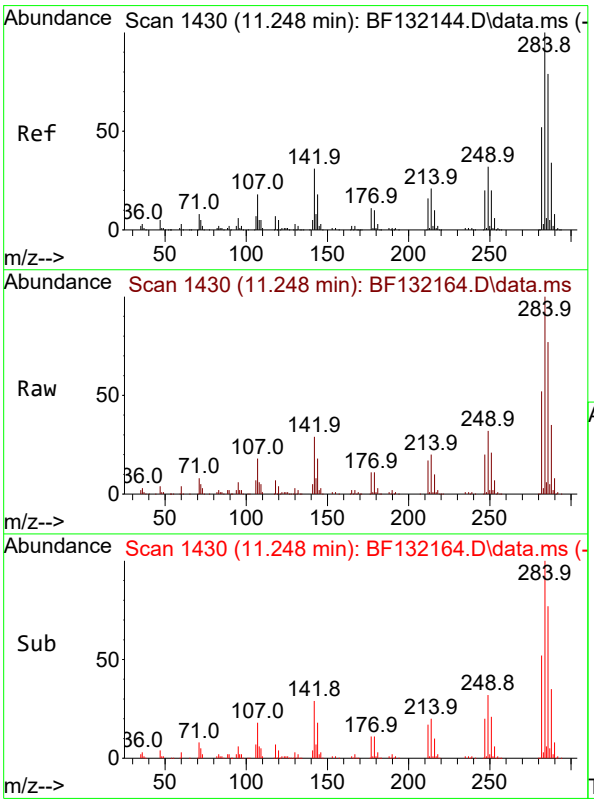
Ion	Ratio	Lower	Upper
248	100		
250	96.4	77.4	116.0
141	74.1	62.2	93.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

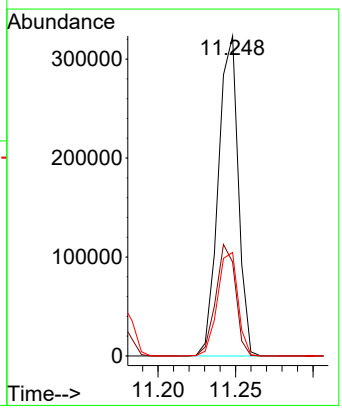


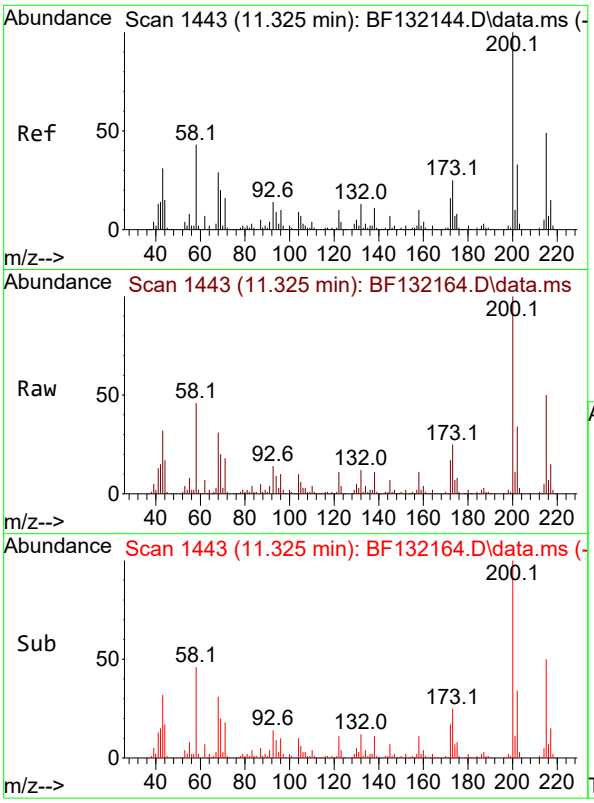


#68
Hexachlorobenzene
Concen: 37.885 ng
RT: 11.248 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:284 Resp: 289841

Ion	Ratio	Lower	Upper
284	100		
142	29.4	24.7	37.1
249	32.4	25.6	38.4

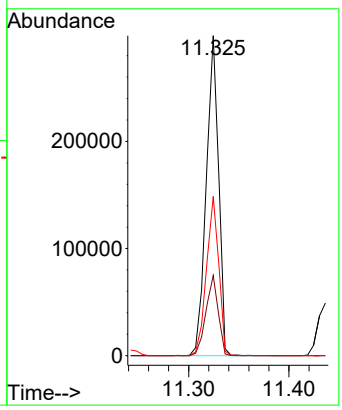




#69
Atrazine
Concen: 41.064 ng
RT: 11.325 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:200 Resp: 25625

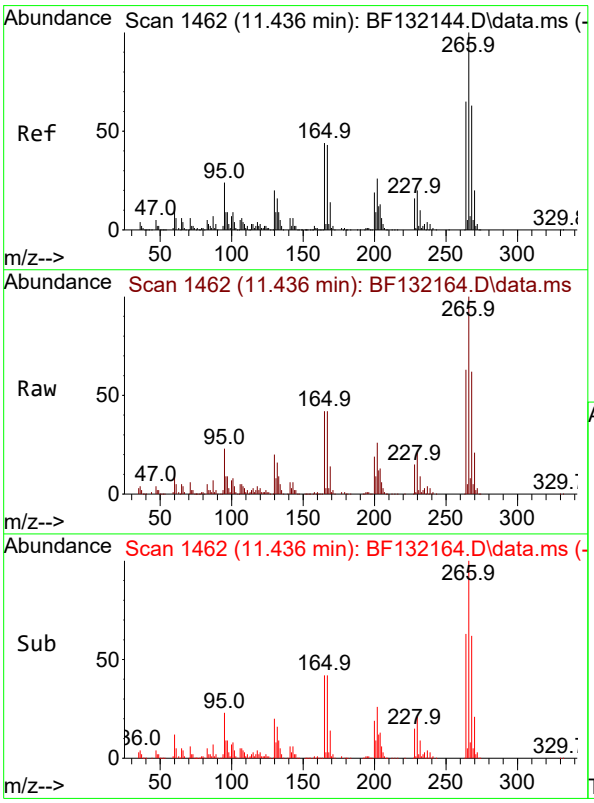
Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.0	45.0
215	49.8	28.6	68.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

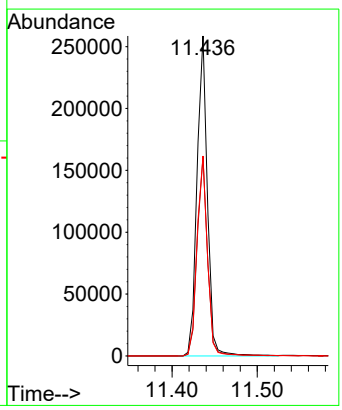
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

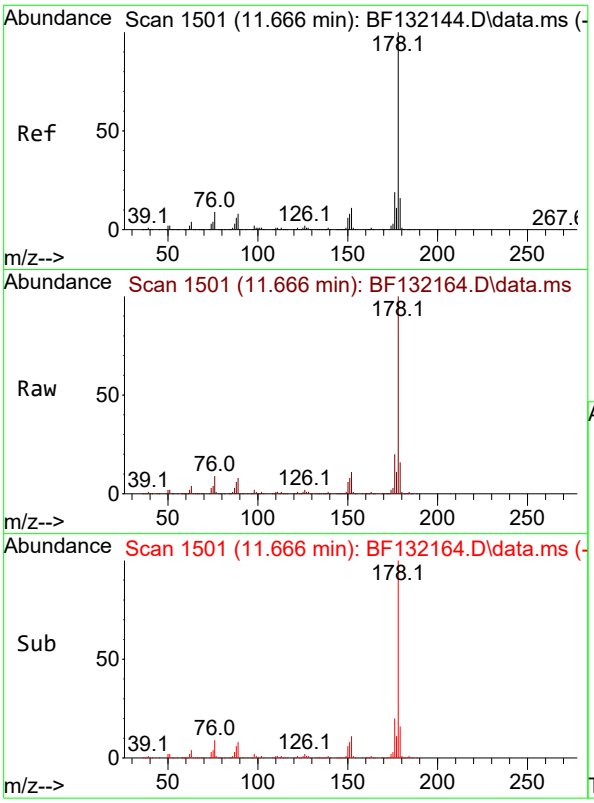


#70
Pentachlorophenol
Concen: 44.633 ng
RT: 11.436 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:266 Resp: 219432

Ion	Ratio	Lower	Upper
266	100		
268	62.2	50.8	76.2
264	62.5	52.3	78.5

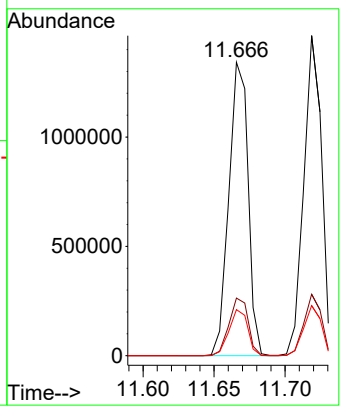




#71
Phenanthrene
Concen: 38.124 ng
RT: 11.666 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:178 Resp: 126350

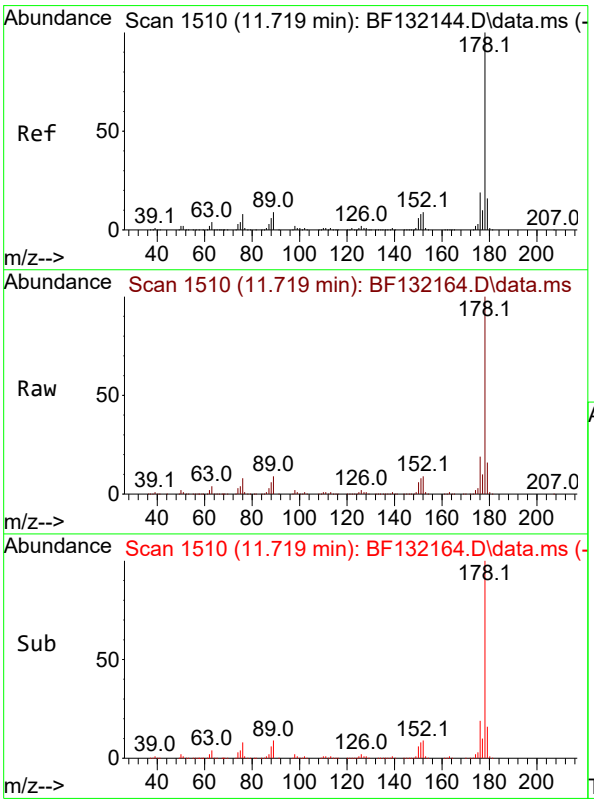
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.7	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

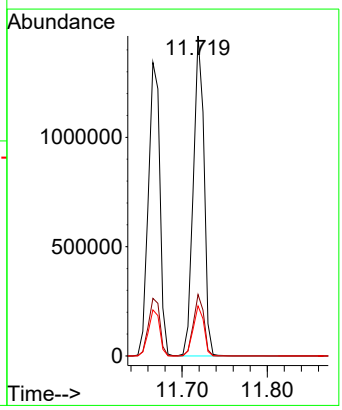
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

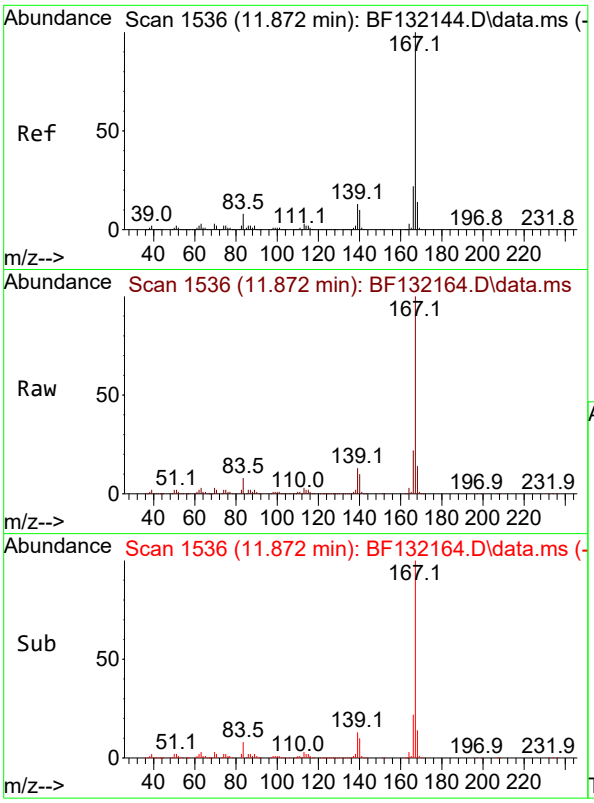


#72
Anthracene
Concen: 38.122 ng
RT: 11.719 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:178 Resp: 1278169

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.6	12.6	18.8

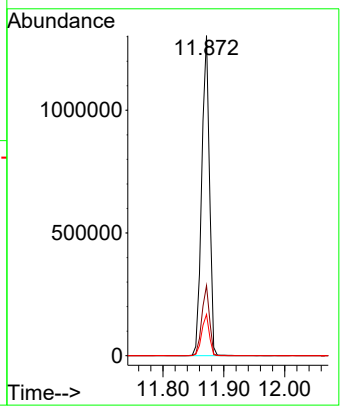




#73
Carbazole
Concen: 40.304 ng
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:167 Resp: 115429

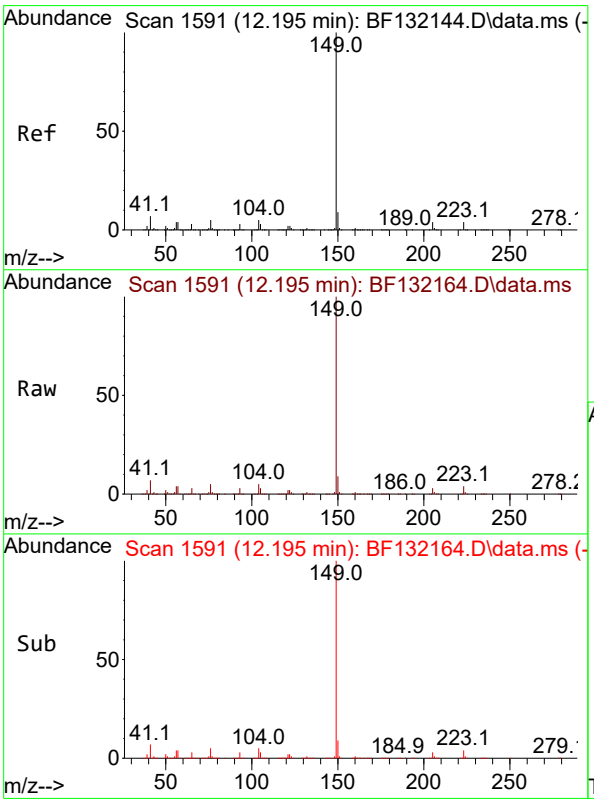
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.7	26.5
139	12.9	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

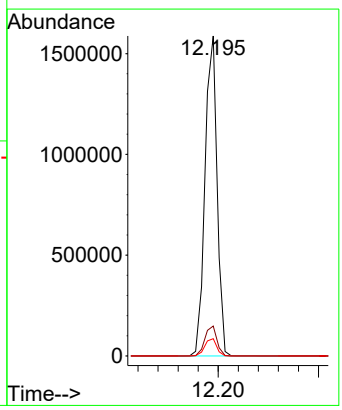
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

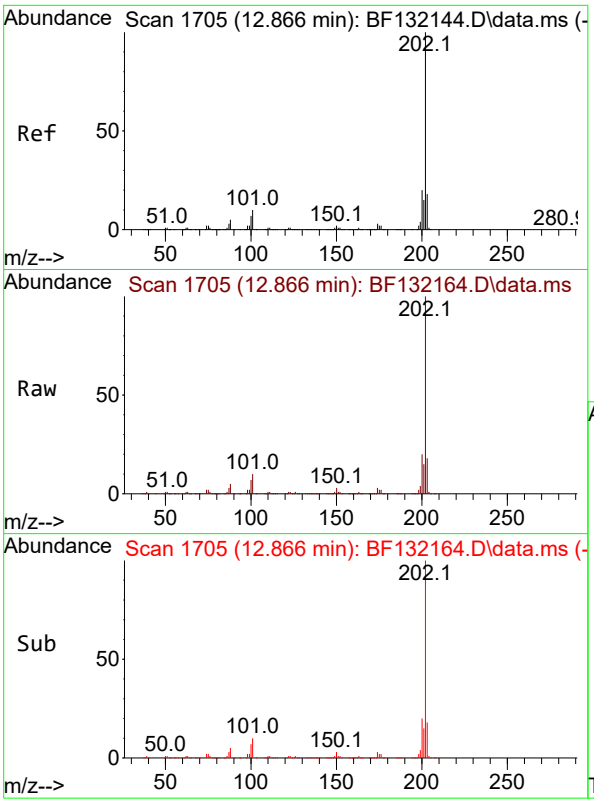


#74
Di-n-butylphthalate
Concen: 41.855 ng
RT: 12.195 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:149 Resp: 1334437

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.4	4.3	6.5

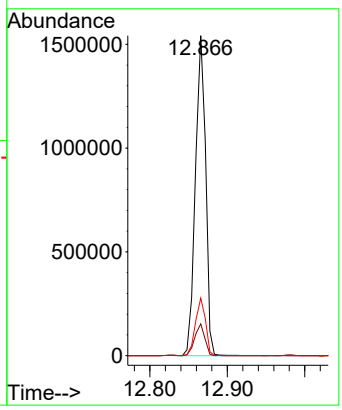




#75
Fluoranthene
Concen: 41.488 ng
RT: 12.866 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:202 Resp: 141242

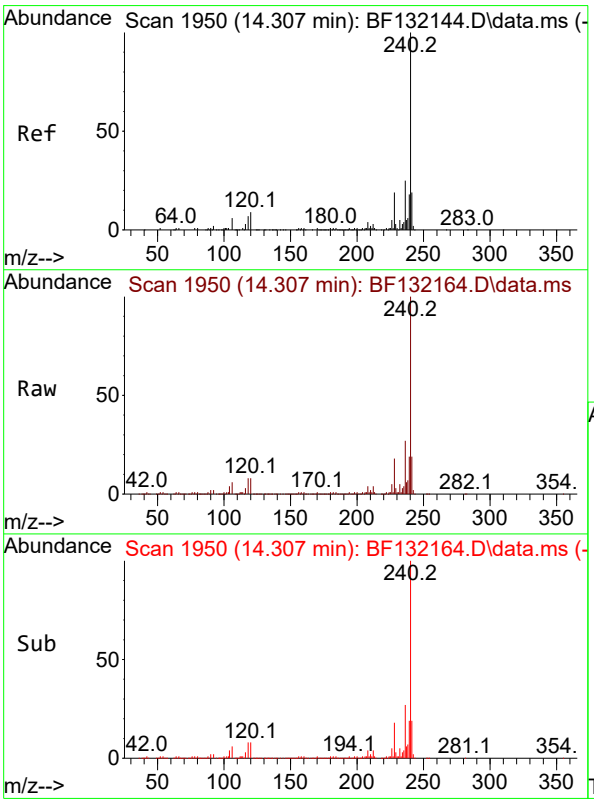
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.6
203	18.0	0.0	37.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

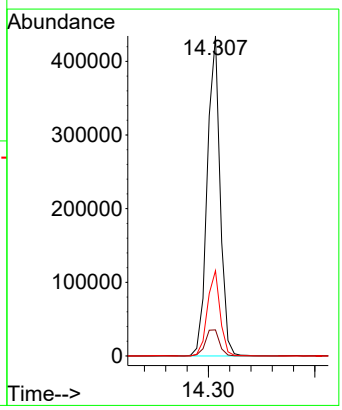
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

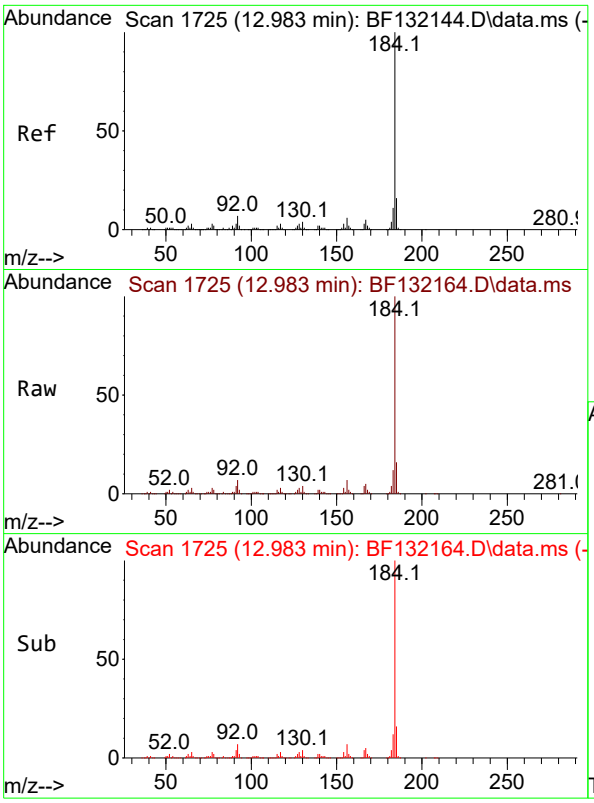


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.307 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:240 Resp: 364265

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.9	10.3
236	26.6	20.3	30.5

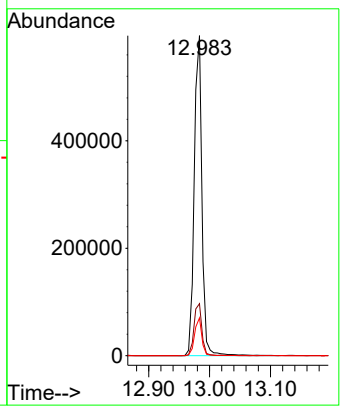




#77
Benzidine
Concen: 47.739 ng
RT: 12.983 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:184 Resp: 52211

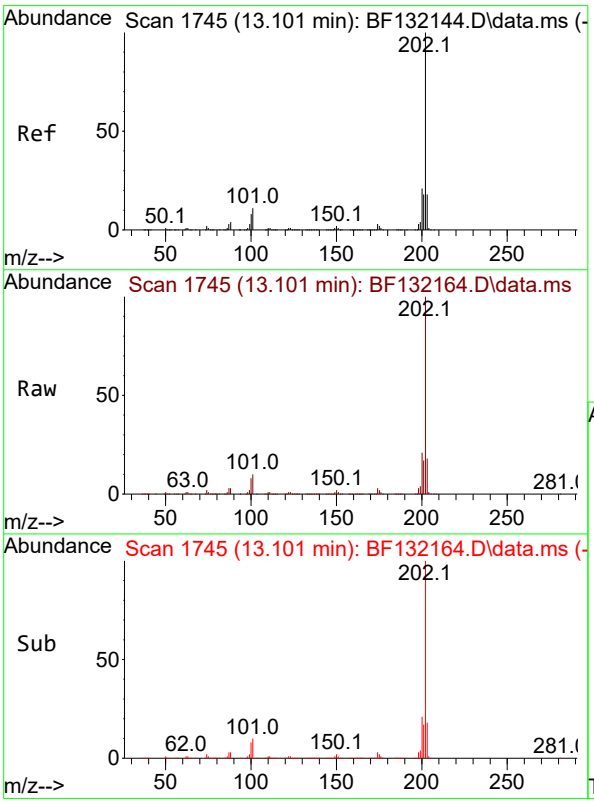
Ion	Ratio	Lower	Upper
184	100		
185	16.2	12.5	18.7
183	11.8	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

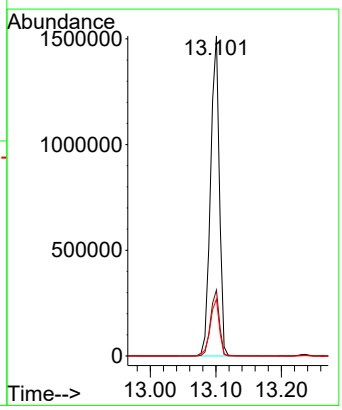
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

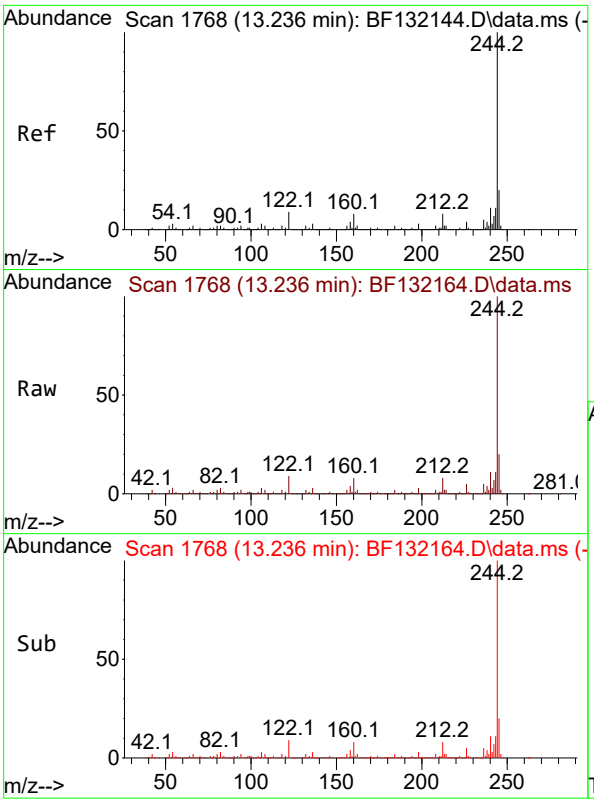


#78
Pyrene
Concen: 42.136 ng
RT: 13.101 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:202 Resp: 1414545

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.7	25.1
203	17.8	14.0	21.0

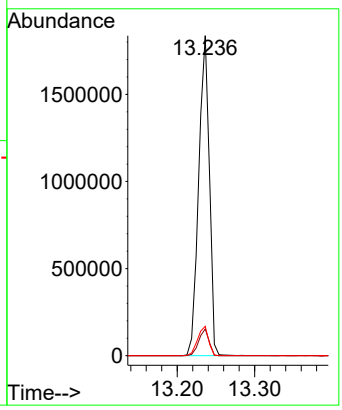




#79
Terphenyl-d14
Concen: 80.620 ng
RT: 13.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:244 Resp: 175314

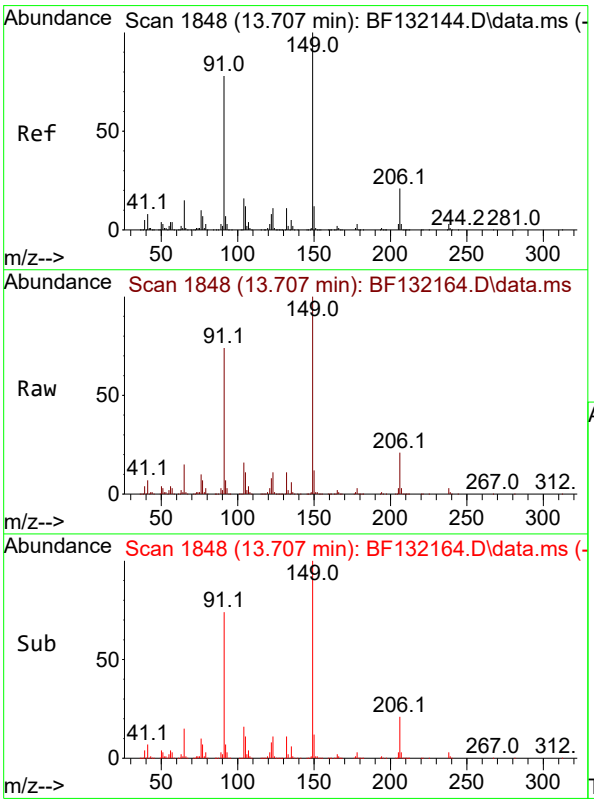
Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.7	10.1
122	9.2	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

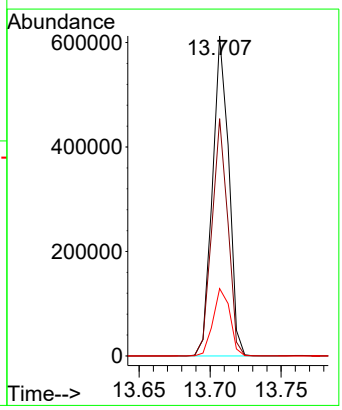
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

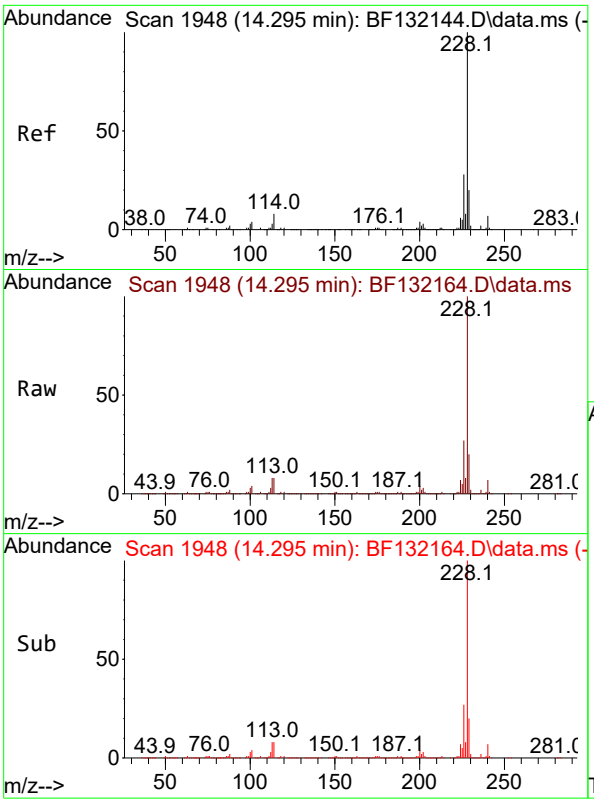


#80
Butylbenzylphthalate
Concen: 44.913 ng
RT: 13.707 min Scan# 1848
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:149 Resp: 489012

Ion	Ratio	Lower	Upper
149	100		
91	74.2	62.6	94.0
206	21.1	16.4	24.6

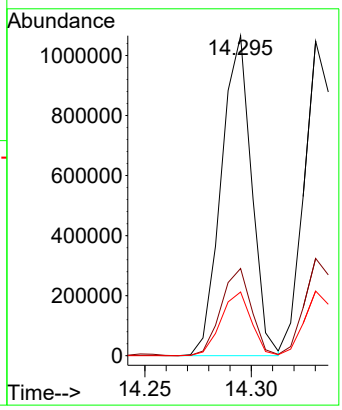




#81
Benzo(a)anthracene
Concen: 40.558 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:228 Resp: 105543

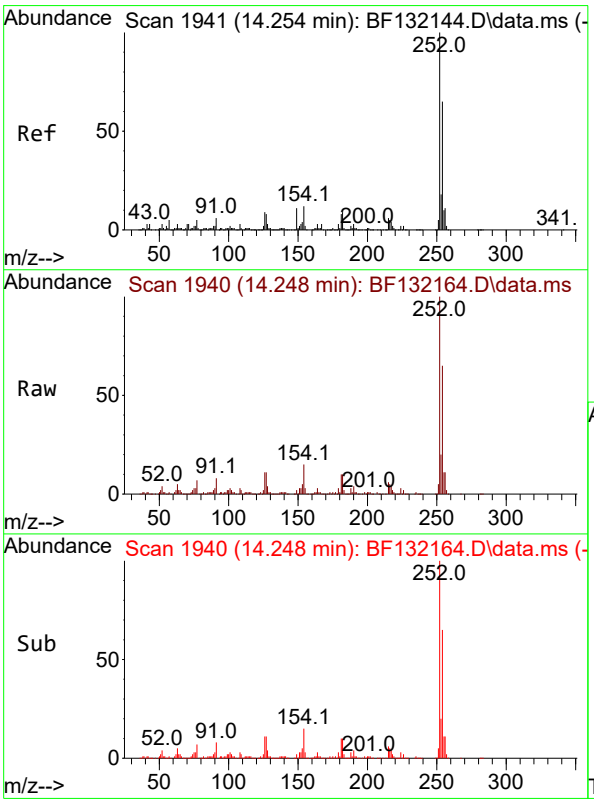
Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.5	33.7
229	19.9	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

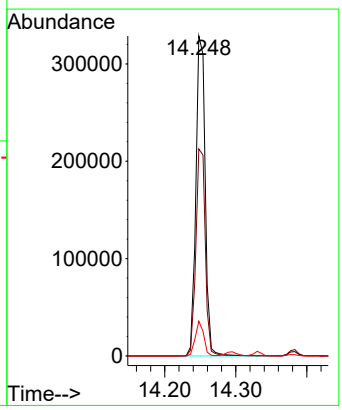
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

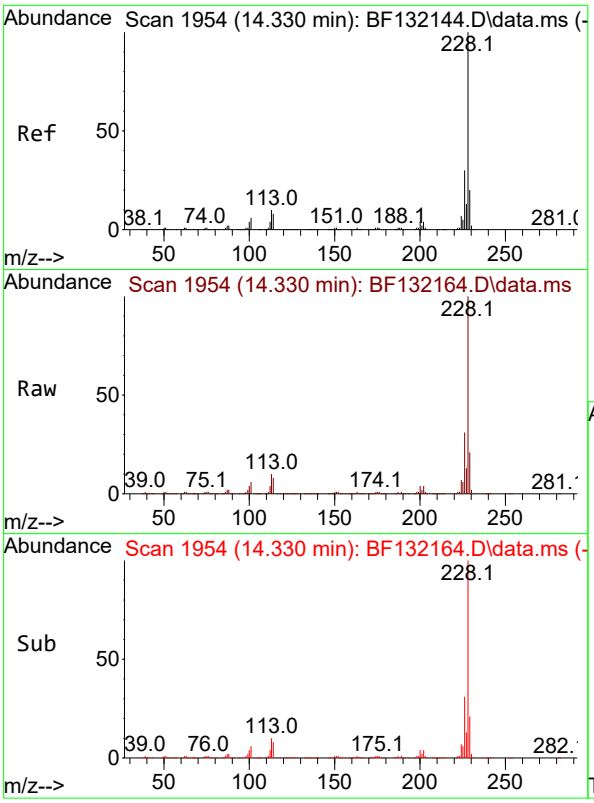


#82
3,3'-Dichlorobenzidine
Concen: 41.477 ng
RT: 14.248 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:252 Resp: 300596

Ion	Ratio	Lower	Upper
252	100		
254	64.7	52.4	78.6
126	10.9	7.0	10.6#





#83
Chrysene
Concen: 39.224 ng
RT: 14.330 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

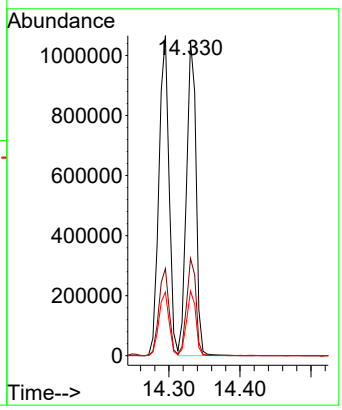
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

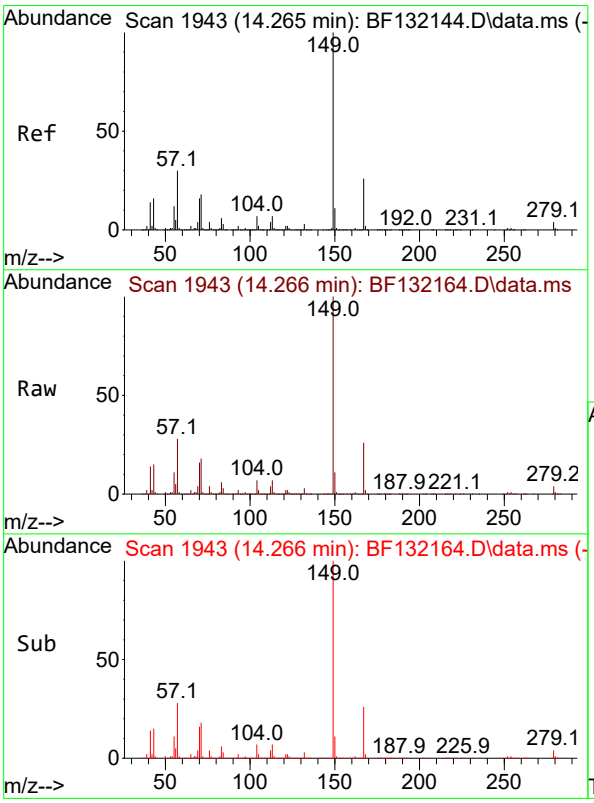
Tgt Ion:228 Resp: 97159

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.3	36.5
229	20.5	15.8	23.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

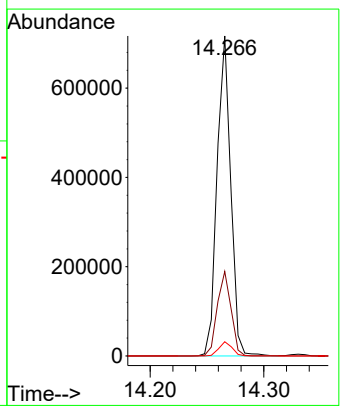


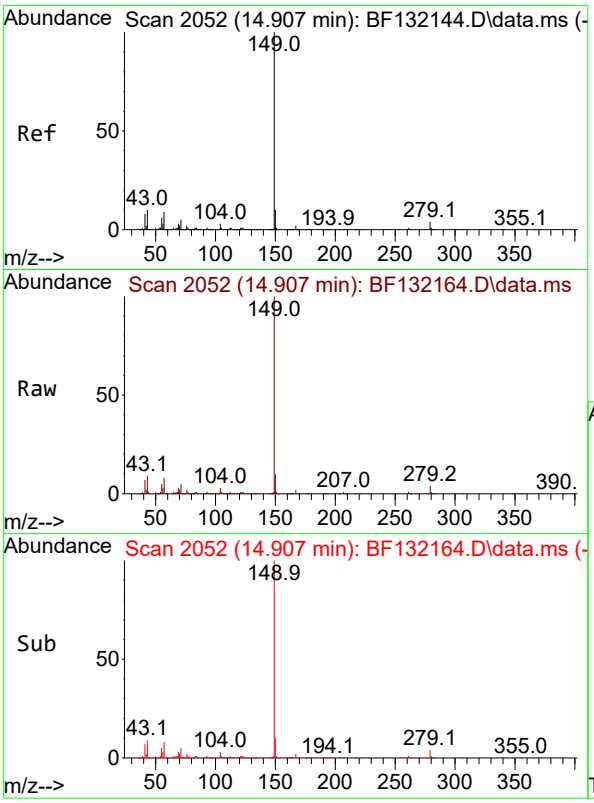


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.510 ng
RT: 14.266 min Scan# 1943
Delta R.T. 0.001 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:149 Resp: 600615

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.0	31.6
279	4.5	3.2	4.8

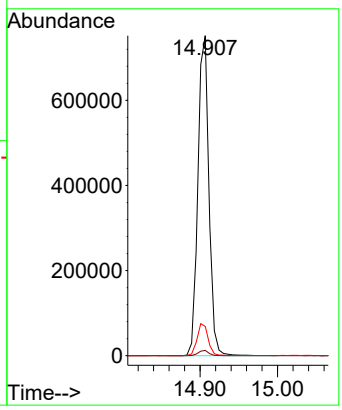




#85
Di-n-octyl phthalate
Concen: 37.242 ng
RT: 14.907 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:149 Resp: 74130

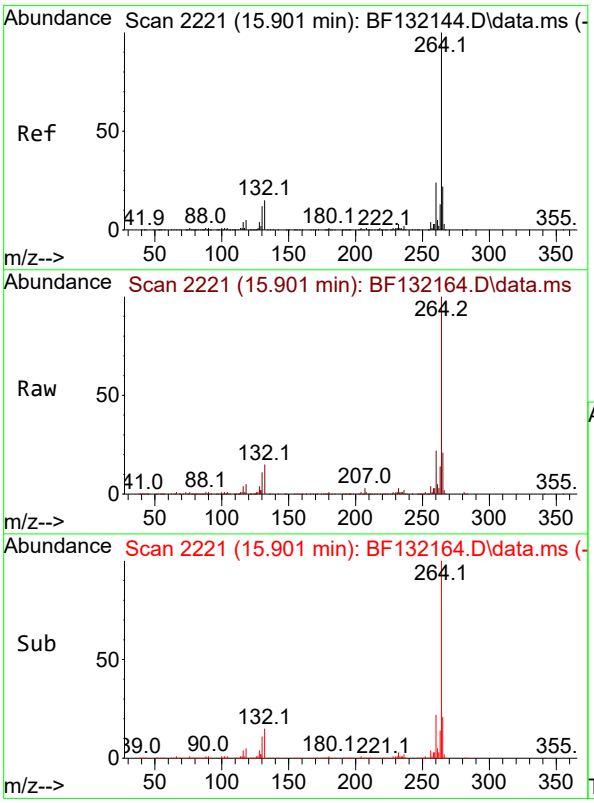
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	10.1	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

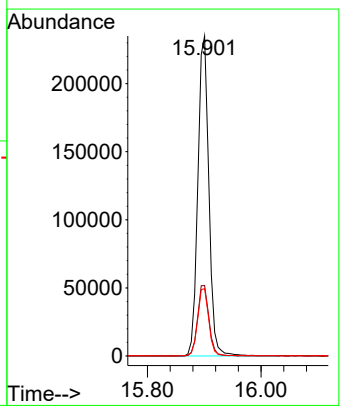
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

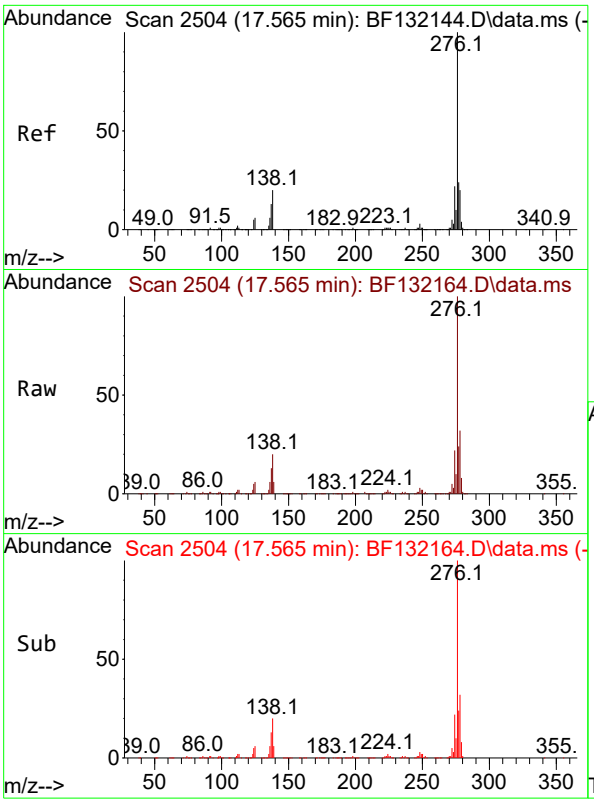


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.901 min Scan# 2221
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:264 Resp: 316916

Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.1	28.7
265	21.0	17.4	26.0

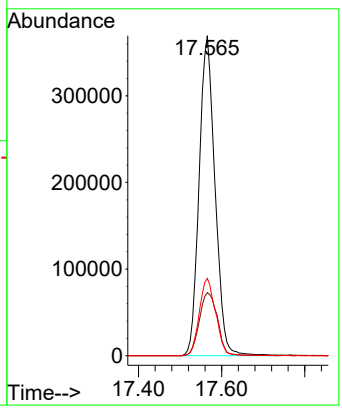




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.299 ng
RT: 17.565 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:276 Resp: 98066

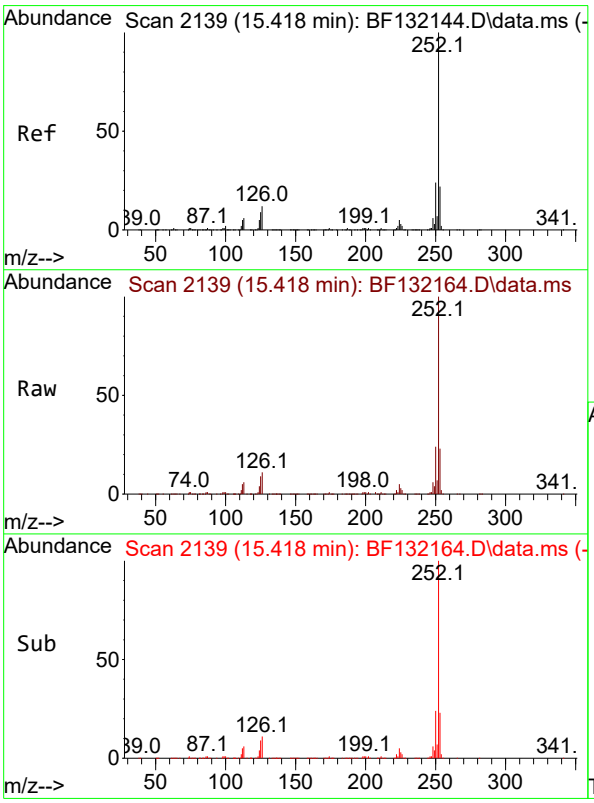
Ion	Ratio	Lower	Upper
276	100		
138	22.4	17.9	26.9
277	24.8	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

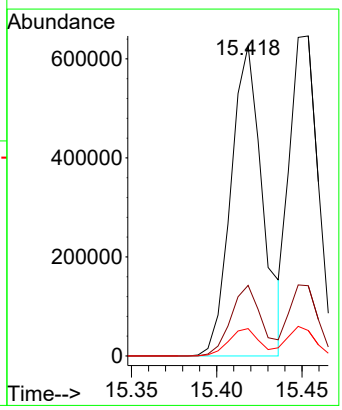
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

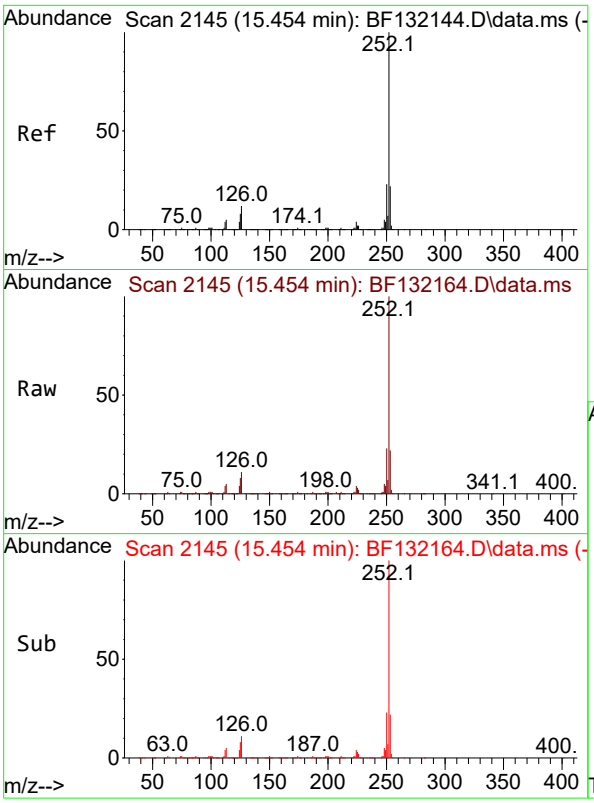


#88
Benzo(b)fluoranthene
Concen: 41.904 ng
RT: 15.418 min Scan# 2139
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:252 Resp: 808566

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	8.8	7.2	10.8

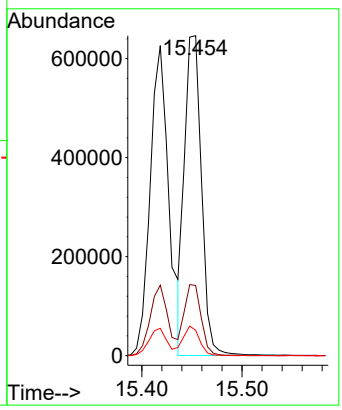




#89
Benzo(k)fluoranthene
Concen: 38.541 ng
RT: 15.454 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:252 Resp: 75845

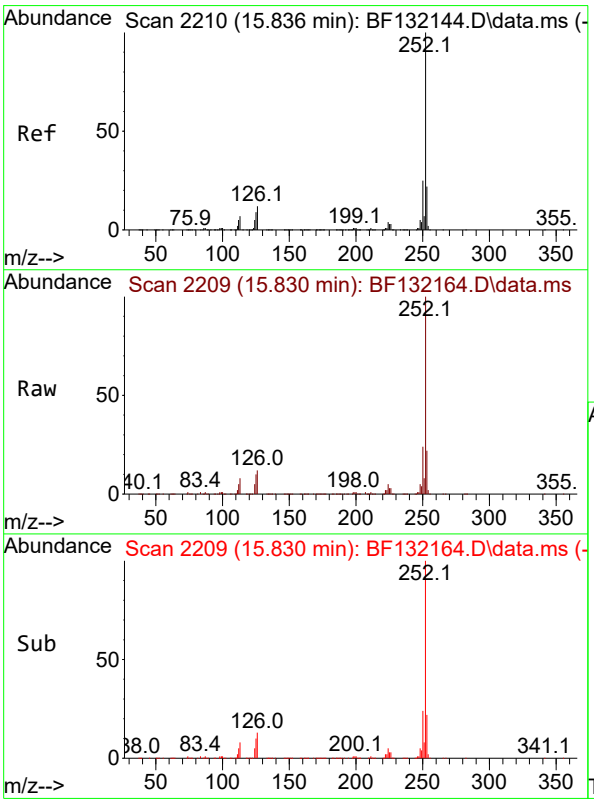
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	8.0	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

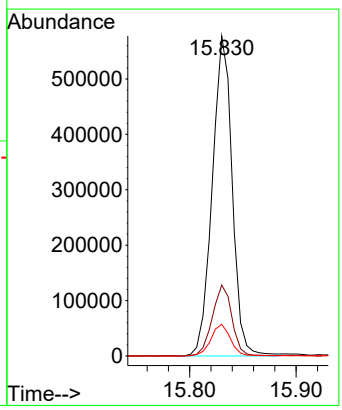
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

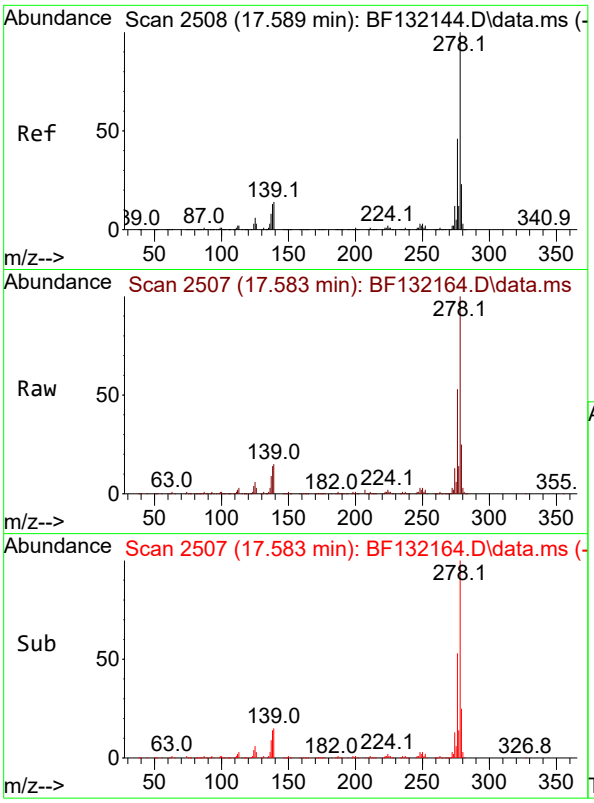


#90
Benzo(a)pyrene
Concen: 40.451 ng
RT: 15.830 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:252 Resp: 750850

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	9.9	7.3	10.9

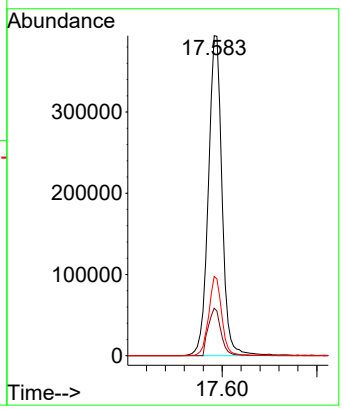




#91
Dibenzo(a,h)anthracene
Concen: 42.159 ng
RT: 17.583 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:278 Resp: 79072

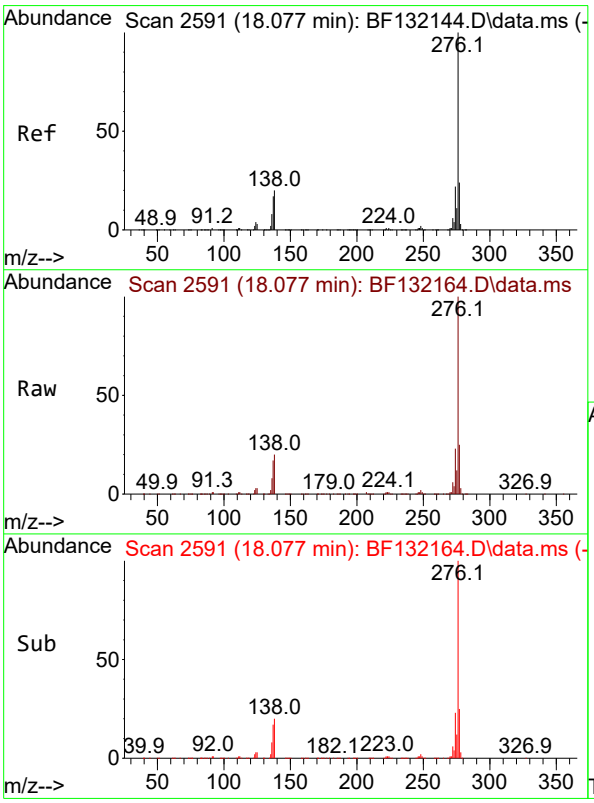
Ion	Ratio	Lower	Upper
278	100		
139	14.9	11.4	17.2
279	24.7	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

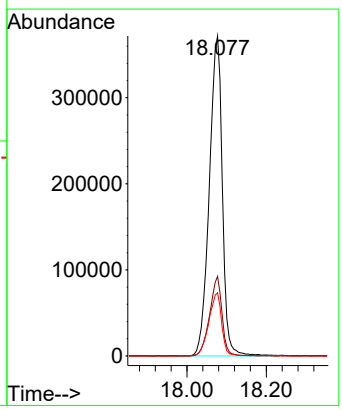
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#92
Benzo(g,h,i)perylene
Concen: 39.619 ng
RT: 18.077 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF132164.D
Acq: 20 Jan 2023 16:40

Tgt Ion:276 Resp: 848184

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.9	28.3
138	19.7	15.7	23.5



Sample Results: **BF132164.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132164.D
Acq On : 20 Jan 2023 16:40
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 21 03:53:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	103	0.00
2		1,4-Dioxane	40.000	41.113	-2.8	106	0.00
3		Pyridine	40.000	41.245	-3.1	106	0.00
4		n-Nitrosodimethylamine	40.000	41.002	-2.5	106	0.00
5	S	2-Fluorophenol	80.000	77.926	2.6	103	0.00
6		Aniline	40.000	39.511	1.2	105	0.00
7	S	Phenol-d6	80.000	78.397	2.0	104	0.00
8		2-Chlorophenol	40.000	39.735	0.7	104	0.00
9		Benzaldehyde	40.000	39.554	1.1	105	0.00
10	C	Phenol	40.000	39.818	0.5	105	0.00
11		bis(2-Chloroethyl)ether	40.000	39.184	2.0	104	0.00
12		1,3-Dichlorobenzene	40.000	38.329	4.2	101	0.00
13	C	1,4-Dichlorobenzene	40.000	38.757	3.1	102	0.00
14		1,2-Dichlorobenzene	40.000	38.675	3.3	103	0.00
15		Benzyl Alcohol	40.000	40.227	-0.6	104	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.490	3.8	101	0.00
17		2-Methylphenol	40.000	39.660	0.9	104	0.00
18		Hexachloroethane	40.000	40.476	-1.2	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.735	5.7	102	0.00
20		3+4-Methylphenols	40.000	39.983	0.0	104	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22		Acetophenone	40.000	38.310	4.2	103	0.00
23	S	Nitrobenzene-d5	80.000	83.538	-4.4	106	0.00
24		Nitrobenzene	40.000	40.981	-2.5	103	0.00
25		Isophorone	40.000	39.448	1.4	104	0.00
26	C	2-Nitrophenol	40.000	46.464	-16.2	122	0.00
27		2,4-Dimethylphenol	40.000	40.006	-0.0	102	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.255	1.9	104	0.00
29	C	2,4-Dichlorophenol	40.000	41.089	-2.7	104	0.00
30		1,2,4-Trichlorobenzene	40.000	39.014	2.5	102	0.00
31		Naphthalene	40.000	39.269	1.8	104	0.00
32		Benzoic acid	40.000	43.447	-8.6	124	0.00
33		4-Chloroaniline	40.000	40.479	-1.2	105	0.00
34	C	Hexachlorobutadiene	40.000	38.882	2.8	102	0.00
35		Caprolactam	40.000	45.882	-14.7	112	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.995	-2.5	104	0.00
37		2-Methylnaphthalene	40.000	38.901	2.7	103	0.00
38		1-Methylnaphthalene	40.000	38.580	3.6	102	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	105	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.447	3.9	102	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.232	-0.6	103	0.00
42	S	2,4,6-Tribromophenol	80.000	86.555	-8.2	109	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.969	-4.9	106	0.00
44		2,4,5-Trichlorophenol	40.000	41.400	-3.5	105	0.00
45	S	2-Fluorobiphenyl	80.000	71.530	10.6	103	0.00
46		1,1'-Biphenyl	40.000	37.981	5.0	102	0.00
47		2-Chloronaphthalene	40.000	38.889	2.8	104	0.00

Sample Results: **BF132164.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132164.D
Acq On : 20 Jan 2023 16:40
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 21 03:53:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.996	-7.5	115	0.00
49		Acenaphthylene	40.000	39.256	1.9	105	0.00
50		Dimethylphthalate	40.000	40.067	-0.2	106	0.00
51		2,6-Dinitrotoluene	40.000	46.890	-17.2	115	0.00
52	C	Acenaphthene	40.000	39.012	2.5	105	0.00
53		3-Nitroaniline	40.000	47.109	-17.8	115	0.00
54	P	2,4-Dinitrophenol	40.000	46.708	-16.8	136	0.00
55		Dibenzofuran	40.000	38.595	3.5	104	0.00
56	P	4-Nitrophenol	40.000	48.015	-20.0	119	0.00
57		2,4-Dinitrotoluene	40.000	49.185	-23.0	122	0.00
58		Fluorene	40.000	38.463	3.8	106	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	43.130	-7.8	107	0.00
60		Diethylphthalate	40.000	41.052	-2.6	107	0.00
61		4-Chlorophenyl-phenylether	40.000	38.932	2.7	104	0.00
62		4-Nitroaniline	40.000	47.716	-19.3	124	0.00
63		Azobenzene	40.000	39.420	1.4	105	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	111	0.00
65		4,6-Dinitro-2-methylphenol	40.000	44.460	-11.2	141	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.289	6.8	107	0.00
67		4-Bromophenyl-phenylether	40.000	37.516	6.2	107	0.00
68		Hexachlorobenzene	40.000	37.885	5.3	108	0.00
69		Atrazine	40.000	41.064	-2.7	114	0.00
70	C	Pentachlorophenol	40.000	44.633	-11.6	118	0.00
71		Phenanthrene	40.000	38.124	4.7	111	0.00
72		Anthracene	40.000	38.122	4.7	111	0.00
73		Carbazole	40.000	40.304	-0.8	117	0.00
74		Di-n-butylphthalate	40.000	41.855	-4.6	118	0.00
75	C	Fluoranthene	40.000	41.488	-3.7	123	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	117	0.00
77		Benzidine	40.000	47.739	-19.3	123	0.00
78		Pyrene	40.000	42.136	-5.3	123	0.00
79	S	Terphenyl-d14	80.000	80.620	-0.8	122	0.00
80		Butylbenzylphthalate	40.000	44.913	-12.3	135	0.00
81		Benzo(a)anthracene	40.000	40.558	-1.4	121	0.00
82		3,3'-Dichlorobenzidine	40.000	41.477	-3.7	114	0.00
83		Chrysene	40.000	39.224	1.9	117	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.510	-3.8	125	0.00
85	c	Di-n-octyl phthalate	40.000	37.242	6.9	109	0.00
86	I	Perylene-d12	20.000	20.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.299	1.8	97	0.00
88		Benzo(b)fluoranthene	40.000	41.904	-4.8	102	0.00
89		Benzo(k)fluoranthene	40.000	38.541	3.6	97	0.00
90	C	Benzo(a)pyrene	40.000	40.451	-1.1	98	0.00
91		Dibenzo(a,h)anthracene	40.000	42.159	-5.4	95	0.00
92		Benzo(g,h,i)perylene	40.000	39.619	1.0	97	0.00

Sample Results: **BF132164.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132164.D
Acq On : 20 Jan 2023 16:40
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 21 03:53:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF132164.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132164.D
Acq On : 20 Jan 2023 16:40
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 21 03:53:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2		1,4-Dioxane	0.580	0.596	-2.8	106	0.00
3		Pyridine	1.557	1.606	-3.1	106	0.00
4		n-Nitrosodimethylamine	0.732	0.751	-2.6	106	0.00
5	S	2-Fluorophenol	1.145	1.115	2.6	103	0.00
6		Aniline	1.996	1.972	1.2	105	0.00
7	S	Phenol-d6	1.441	1.412	2.0	104	0.00
8		2-Chlorophenol	1.203	1.195	0.7	104	0.00
9		Benzaldehyde	0.927	0.917	1.1	105	0.00
10	C	Phenol	1.500	1.494	0.4	105	0.00
11		bis(2-Chloroethyl)ether	1.270	1.244	2.0	104	0.00
12		1,3-Dichlorobenzene	1.345	1.289	4.2	101	0.00
13	C	1,4-Dichlorobenzene	1.342	1.301	3.1	102	0.00
14		1,2-Dichlorobenzene	1.241	1.200	3.3	103	0.00
15		Benzyl Alcohol	1.102	1.109	-0.6	104	0.00
16		2,2'-oxybis(1-Chloropropane	1.846	1.776	3.8	101	0.00
17		2-Methylphenol	1.054	1.045	0.9	104	0.00
18		Hexachloroethane	0.482	0.488	-1.2	103	0.00
19	P	n-Nitroso-di-n-propylamine	0.883	0.833	5.7	102	0.00
20		3+4-Methylphenols	1.328	1.328	0.0	104	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22		Acetophenone	0.481	0.460	4.4	103	0.00
23	S	Nitrobenzene-d5	0.376	0.393	-4.5	106	0.00
24		Nitrobenzene	0.399	0.408	-2.3	103	0.00
25		Isophorone	0.737	0.726	1.5	104	0.00
26	C	2-Nitrophenol	0.127	0.175	-37.8#	122	0.00
27		2,4-Dimethylphenol	0.319	0.319	0.0	102	0.00
28		bis(2-Chloroethoxy)methane	0.442	0.434	1.8	104	0.00
29	C	2,4-Dichlorophenol	0.303	0.311	-2.6	104	0.00
30		1,2,4-Trichlorobenzene	0.344	0.335	2.6	102	0.00
31		Naphthalene	1.027	1.008	1.9	104	0.00
32		Benzoic acid	0.187	0.226	-20.9	124	0.00
33		4-Chloroaniline	0.440	0.445	-1.1	105	0.00
34	C	Hexachlorobutadiene	0.231	0.224	3.0	102	0.00
35		Caprolactam	0.086	0.098	-14.0	112	0.00
36	C	4-Chloro-3-methylphenol	0.305	0.312	-2.3	104	0.00
37		2-Methylnaphthalene	0.707	0.688	2.7	103	0.00
38		1-Methylnaphthalene	0.658	0.635	3.5	102	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00
40		1,2,4,5-Tetrachlorobenzene	0.696	0.669	3.9	102	0.00
41	P	Hexachlorocyclopentadiene	0.380	0.382	-0.5	103	0.00
42	S	2,4,6-Tribromophenol	0.214	0.231	-7.9	109	0.00
43	C	2,4,6-Trichlorophenol	0.432	0.453	-4.9	106	0.00
44		2,4,5-Trichlorophenol	0.505	0.523	-3.6	105	0.00
45	S	2-Fluorobiphenyl	1.369	1.224	10.6	103	0.00
46		1,1'-Biphenyl	1.578	1.498	5.1	102	0.00
47		2-Chloronaphthalene	1.220	1.186	2.8	104	0.00

Sample Results: **BF132164.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132164.D
Acq On : 20 Jan 2023 16:40
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 21 03:53:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.351	0.417	-18.8	115	0.00
49		Acenaphthylene	1.951	1.915	1.8	105	0.00
50		Dimethylphthalate	1.449	1.451	-0.1	106	0.00
51		2,6-Dinitrotoluene	0.281	0.329	-17.1	115	0.00
52	C	Acenaphthene	1.174	1.145	2.5	105	0.00
53		3-Nitroaniline	0.300	0.354	-18.0	115	0.00
54	P	2,4-Dinitrophenol	0.108	0.144	-33.3#	136	0.00
55		Dibenzofuran	1.814	1.750	3.5	104	0.00
56	P	4-Nitrophenol	0.218	0.262	-20.2	119	0.00
57		2,4-Dinitrotoluene	0.337	0.414	-22.8	122	0.00
58		Fluorene	1.344	1.292	3.9	106	0.00
59		2,3,4,6-Tetrachlorophenol	0.384	0.414	-7.8	107	0.00
60		Diethylphthalate	1.420	1.458	-2.7	107	0.00
61		4-Chlorophenyl-phenylether	0.720	0.700	2.8	104	0.00
62		4-Nitroaniline	0.279	0.333	-19.4	124	0.00
63		Azobenzene	1.426	1.405	1.5	105	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00
65		4,6-Dinitro-2-methylphenol	0.087	0.107	-23.0	141	0.00
66	c	n-Nitrosodiphenylamine	0.641	0.597	6.9	107	0.00
67		4-Bromophenyl-phenylether	0.244	0.229	6.1	107	0.00
68		Hexachlorobenzene	0.242	0.229	5.4	108	0.00
69		Atrazine	0.198	0.203	-2.5	114	0.00
70	C	Pentachlorophenol	0.156	0.174	-11.5	118	0.00
71		Phenanthrene	1.050	1.000	4.8	111	0.00
72		Anthracene	1.062	1.012	4.7	111	0.00
73		Carbazole	0.907	0.914	-0.8	117	0.00
74		Di-n-butylphthalate	1.010	1.056	-4.6	118	0.00
75	C	Fluoranthene	1.078	1.118	-3.7	123	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	117	0.00
77		Benzidine	0.600	0.717	-19.5	123	0.00
78		Pyrene	1.843	1.942	-5.4	123	0.00
79	S	Terphenyl-d14	1.194	1.203	-0.8	122	0.00
80		Butylbenzylphthalate	0.534	0.671	-25.7#	135	0.00
81		Benzo(a)anthracene	1.429	1.449	-1.4	121	0.00
82		3,3'-Dichlorobenzidine	0.398	0.413	-3.8	114	0.00
83		Chrysene	1.360	1.334	1.9	117	0.00
84		Bis(2-ethylhexyl)phthalate	0.705	0.824	-16.9	125	0.00
85	c	Di-n-octyl phthalate	1.083	1.018	6.0	109	0.00
86	I	Perylene-d12	1.000	1.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	1.451	1.547	-6.6	97	0.00
88		Benzo(b)fluoranthene	1.218	1.276	-4.8	102	0.00
89		Benzo(k)fluoranthene	1.242	1.197	3.6	97	0.00
90	C	Benzo(a)pyrene	1.171	1.185	-1.2	98	0.00
91		Dibenzo(a,h)anthracene	1.184	1.248	-5.4	95	0.00
92		Benzo(g,h,i)perylene	1.246	1.338	-7.4	97	0.00

Sample Results: **BF132164.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132164.D
Acq On : 20 Jan 2023 16:40
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 21 03:53:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_G Calibration Date/Time: 01/20/2023 11:44

Lab File ID: BG056363.D Init. Calib. Date(s): 12/27/2022 12/27/2022

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:55 19:42

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.120	1.128		0.7	
Benzaldehyde	1.023	1.075		5.1	
Phenol-d6	1.720	1.621		-5.8	
Phenol	1.745	1.643		-5.8	20.0
bis(2-Chloroethyl)ether	1.182	1.148		-2.9	
2-Chlorophenol	1.115	1.174		5.3	
2-Methylphenol	1.280	1.277		-0.2	
2,2-oxybis(1-Chloropropane)	0.209	0.242		15.8	
Acetophenone	0.566	0.529		-6.5	
3+4-Methylphenols	1.800	1.743		-3.2	
n-Nitroso-di-n-propylamine	1.046	0.924	0.050	-11.7	
Nitrobenzene-d5	0.391	0.363		-7.2	
Hexachloroethane	0.414	0.435		5.1	
Nitrobenzene	0.387	0.355		-8.3	
Isophorone	0.823	0.721		-12.4	
2-Nitrophenol	0.198	0.207		4.5	20.0
2,4-Dimethylphenol	0.362	0.358		-1.1	
bis(2-Chloroethoxy)methane	0.428	0.411		-4.0	
2,4-Dichlorophenol	0.400	0.404		1.0	20.0
Naphthalene	1.053	1.086		3.1	
4-Chloroaniline	0.503	0.493		-2.0	
Hexachlorobutadiene	0.326	0.332		1.8	20.0
Caprolactam	0.135	0.123		-8.9	
4-Chloro-3-methylphenol	0.406	0.380		-6.4	20.0
2-Methylnaphthalene	0.889	0.881		-0.9	
Hexachlorocyclopentadiene	0.427	0.408	0.050	-4.4	
2,4,6-Trichlorophenol	0.496	0.499		0.6	20.0
2-Fluorobiphenyl	1.448	1.497		3.4	
2,4,5-Trichlorophenol	0.586	0.583		-0.5	
1,1-Biphenyl	1.432	1.484		3.6	
2-Chloronaphthalene	1.131	1.163		2.8	
2-Nitroaniline	0.241	0.239		-0.8	
Dimethylphthalate	1.615	1.581		-2.1	
Acenaphthylene	1.840	1.901		3.3	
2,6-Dinitrotoluene	0.344	0.348		1.2	
3-Nitroaniline	0.327	0.340		4.0	
Acenaphthene	1.197	1.227		2.5	20.0
2,4-Dinitrophenol	0.246	0.231	0.050	-6.1	
4-Nitrophenol	0.252	0.249	0.050	-1.2	
Dibenzofuran	1.980	1.989		0.5	
2,4-Dinitrotoluene	0.481	0.489		1.7	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_G Calibration Date/Time: 01/20/2023 11:44

Lab File ID: BG056363.D Init. Calib. Date(s): 12/27/2022 12/27/2022

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:55 19:42

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.514	1.499		-1.0	
4-Chlorophenyl-phenylether	0.994	0.986		-0.8	
Fluorene	1.593	1.567		-1.6	
4-Nitroaniline	0.335	0.347		3.6	
4,6-Dinitro-2-methylphenol	0.135	0.145		7.4	
n-Nitrosodiphenylamine	0.555	0.591		6.5	20.0
2,4,6-Tribromophenol	0.253	0.271		7.1	
4-Bromophenyl-phenylether	0.255	0.270		5.9	
Hexachlorobenzene	0.238	0.261		9.2	
Atrazine	0.230	0.236		2.6	
Pentachlorophenol	0.183	0.167		-8.7	20.0
Phenanthrene	1.036	1.068		3.1	
Anthracene	1.069	1.099		2.8	
Carbazole	0.899	0.920		2.3	
Di-n-butylphthalate	0.896	0.973		8.6	
Fluoranthene	1.352	1.325		-2.0	20.0
Pyrene	1.410	1.469		4.2	
Terphenyl-d14	1.117	1.181		5.7	
Butylbenzylphthalate	0.404	0.441		9.2	
3,3-Dichlorobenzidine	0.506	0.515		1.8	
Benzo(a)anthracene	1.405	1.426		1.5	
Chrysene	1.316	1.357		3.1	
Bis(2-ethylhexyl)phthalate	0.583	0.616		5.7	
Di-n-octyl phthalate	0.984	1.036		5.3	20.0
Benzo(b)fluoranthene	1.271	1.308		2.9	
Benzo(k)fluoranthene	1.265	1.286		1.7	
Benzo(a)pyrene	1.239	1.267		2.3	20.0
Indeno(1,2,3-cd)pyrene	1.455	1.521		4.5	
Dibenzo(a,h)anthracene	1.219	1.272		4.3	
Benzo(g,h,i)perylene	1.183	1.237		4.6	
1,2,4,5-Tetrachlorobenzene	0.750	0.775		3.3	
1,4-Dioxane	0.512	0.458		-10.5	20.0
2,3,4,6-Tetrachlorophenol	0.551	0.526		-4.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056363.D
Acq On : 20 Jan 2023 11:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 22 23:58:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.307	152	37412	20.000	ng		0.00
21) Naphthalene-d8	11.139	136	143761	20.000	ng		0.00
39) Acenaphthene-d10	14.923	164	115862	20.000	ng		0.00
64) Phenanthrene-d10	17.661	188	283626	20.000	ng		0.00
76) Chrysene-d12	21.956	240	257188	20.000	ng	#	0.00
86) Perylene-d12	25.399	264	278421	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.822	112	168761	80.542	ng		0.00
7) Phenol-d6	7.449	99	242634	75.403	ng		0.00
23) Nitrobenzene-d5	9.482	82	208454	74.170	ng		0.00
42) 2,4,6-Tribromophenol	16.403	330	125755	85.701	ng		0.00
45) 2-Fluorobiphenyl	13.548	172	693628	82.670	ng		0.00
79) Terphenyl-d14	20.234	244	1215035	84.615	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.630	88	34238	35.774	ng	#	96
3) Pyridine	4.053	79	104104	35.714	ng		97
4) n-Nitrosodimethylamine	3.965	42	21795	36.756	ng	#	92
6) Aniline	7.620	93	158905	37.657	ng		98
8) 2-Chlorophenol	7.866	128	87843	42.130	ng		96
9) Benzaldehyde	7.432	77	80404	42.024	ng		95
10) Phenol	7.473	94	122913	37.665	ng		98
11) bis(2-Chloroethyl)ether	7.708	93	85874	38.831	ng		96
12) 1,3-Dichlorobenzene	8.195	146	105107	41.419	ng		96
13) 1,4-Dichlorobenzene	8.342	146	105407	41.364	ng		99
14) 1,2-Dichlorobenzene	8.665	146	102719	41.776	ng		98
15) Benzyl Alcohol	8.542	79	83337	35.585	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.830	45	18119	46.364	ng	#	84
17) 2-Methylphenol	8.742	107	95571	39.912	ng		95
18) Hexachloroethane	9.406	117	32581	42.087	ng		94
19) n-Nitroso-di-n-propyla...	9.112	70	69111	35.320	ng		98
20) 3+4-Methylphenols	9.071	107	130441	38.746	ng		98
22) Acetophenone	9.135	105	152210	37.445	ng		98
24) Nitrobenzene	9.523	77	102134	36.670	ng		94
25) Isophorone	10.046	82	207250	35.048	ng		96
26) 2-Nitrophenol	10.240	139	59561	41.796	ng		98
27) 2,4-Dimethylphenol	10.287	122	102811	39.555	ng		96
28) bis(2-Chloroethoxy)met...	10.522	93	118245	38.474	ng		99
29) 2,4-Dichlorophenol	10.781	162	116079	40.396	ng		98
30) 1,2,4-Trichlorobenzene	10.998	180	129209	39.624	ng		99
31) Naphthalene	11.192	128	312121	41.253	ng		97
32) Benzoic acid	10.422	122	62071	32.186	ng		94
33) 4-Chloroaniline	11.292	127	141656	39.215	ng		96
34) Hexachlorobutadiene	11.462	225	95559	40.745	ng		97
35) Caprolactam	12.061	113	35233	36.215	ng		97
36) 4-Chloro-3-methylphenol	12.390	107	109337	37.498	ng		98
37) 2-Methylnaphthalene	12.772	142	253284	39.648	ng		98
38) 1-Methylnaphthalene	12.990	142	236673	39.895	ng		96
40) 1,2,4,5-Tetrachloroben...	13.131	216	179471	41.329	ng		99
41) Hexachlorocyclopentadiene	13.107	237	94617	38.217	ng		98
43) 2,4,6-Trichlorophenol	13.366	196	115621	40.266	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056363.D
Acq On : 20 Jan 2023 11:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 22 23:58:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.442	196	135111	39.777	ng	97
46) 1,1'-Biphenyl	13.759	154	343916	41.447	ng	98
47) 2-Chloronaphthalene	13.812	162	269520	41.151	ng	97
48) 2-Nitroaniline	14.006	65	55480	39.758	ng	91
49) Acenaphthylene	14.647	152	440567	41.336	ng	99
50) Dimethylphthalate	14.359	163	366246	39.158	ng	99
51) 2,6-Dinitrotoluene	14.488	165	80581	40.433	ng	89
52) Acenaphthene	14.987	154	284435m	41.033	ng	
53) 3-Nitroaniline	14.817	138	78870	41.582	ng	90
54) 2,4-Dinitrophenol	15.029	184	53585	37.636	ng	97
55) Dibenzofuran	15.316	168	460951	40.184	ng	97
56) 4-Nitrophenol	15.117	139	57655	39.523	ng	85
57) 2,4-Dinitrotoluene	15.269	165	113204	40.616	ng	91
58) Fluorene	15.963	166	363190	39.364	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.540	232	121944m	38.235	ng	
60) Diethylphthalate	15.710	149	347451	39.612	ng	99
61) 4-Chlorophenyl-phenyle...	15.945	204	228513	39.687	ng	99
62) 4-Nitroaniline	15.980	138	80503	41.435	ng	90
63) Azobenzene	16.233	77	253547	37.458	ng	97
65) 4,6-Dinitro-2-methylph...	16.039	198	82475	43.160	ng	97
66) n-Nitrosodiphenylamine	16.157	169	334965	42.566	ng	96
67) 4-Bromophenyl-phenylether	16.838	248	152966	42.353	ng	98
68) Hexachlorobenzene	16.967	284	147769	43.853	ng	97
69) Atrazine	17.091	200	133959	41.075	ng	96
70) Pentachlorophenol	17.308	266	94871	36.652	ng	99
71) Phenanthrene	17.702	178	605926	41.224	ng	98
72) Anthracene	17.790	178	623391	41.114	ng	99
73) Carbazole	18.054	167	521954	40.953	ng	98
74) Di-n-butylphthalate	18.583	149	551714	43.425	ng	100
75) Fluoranthene	19.694	202	751419	39.192	ng	99
77) Benzidine	19.858	184	325722	36.139	ng	98
78) Pyrene	20.052	202	755725	41.689	ng	100
80) Butylbenzylphthalate	20.910	149	226695	43.589	ng	95
81) Benzo(a)anthracene	21.932	228	733312	40.595	ng	99
82) 3,3'-Dichlorobenzidine	21.838	252	265114	40.770	ng	97
83) Chrysene	22.009	228	698118	41.258	ng	100
84) Bis(2-ethylhexyl)phtha...	21.797	149	316681	42.265	ng	99
85) Di-n-octyl phthalate	23.078	149	532740	42.117	ng	100
87) Indeno(1,2,3-cd)pyrene	29.359	276	846856	41.823	ng	99
88) Benzo(b)fluoranthene	24.300	252	728602	41.188	ng	100
89) Benzo(k)fluoranthene	24.371	252	715861	40.638	ng	100
90) Benzo(a)pyrene	25.240	252	705478	40.888	ng	98
91) Dibenzo(a,h)anthracene	29.429	278	708343	41.725	ng	98
92) Benzo(g,h,i)perylene	30.616	276	688574	41.826	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

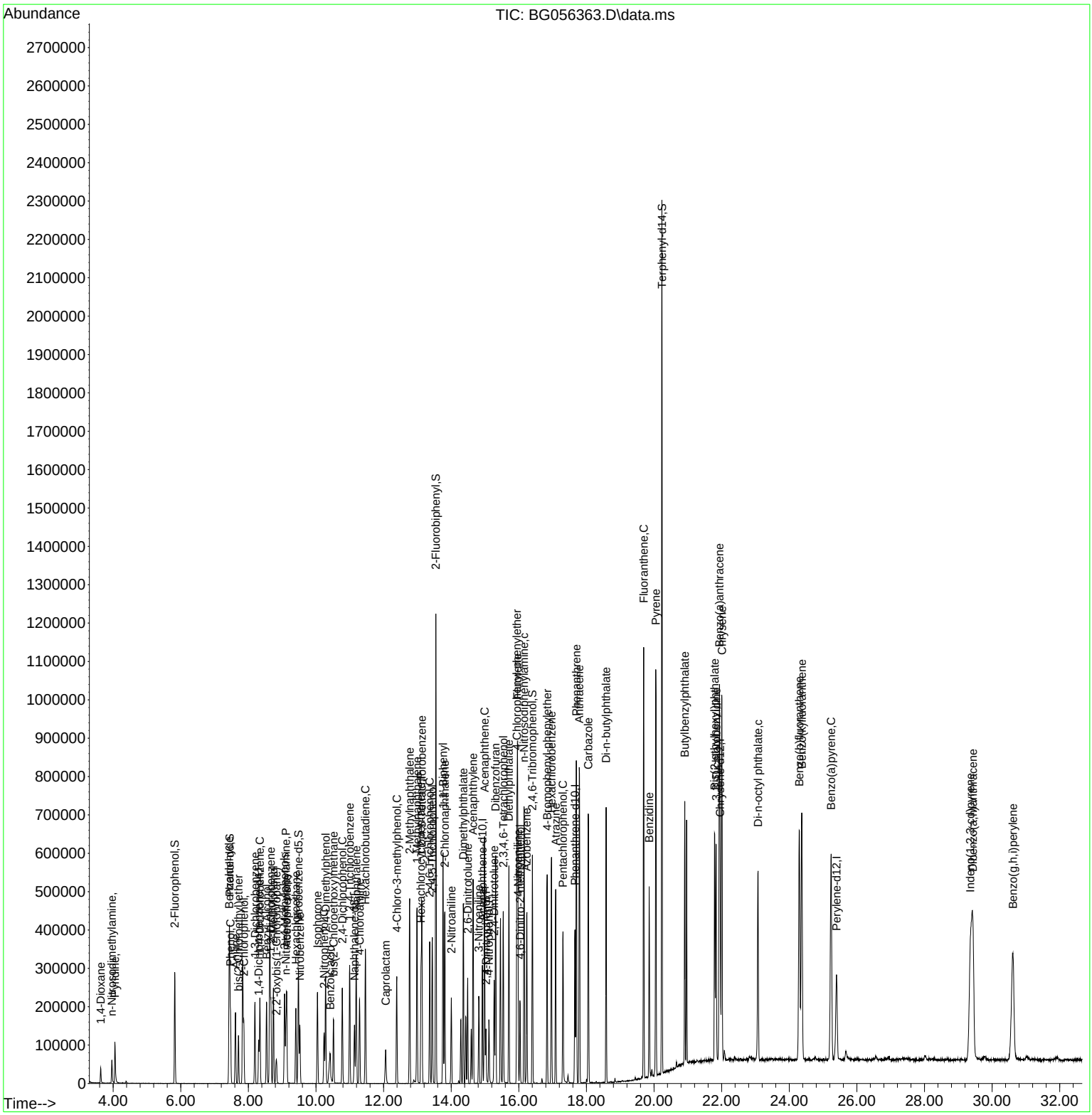
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056363.D
Acq On : 20 Jan 2023 11:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

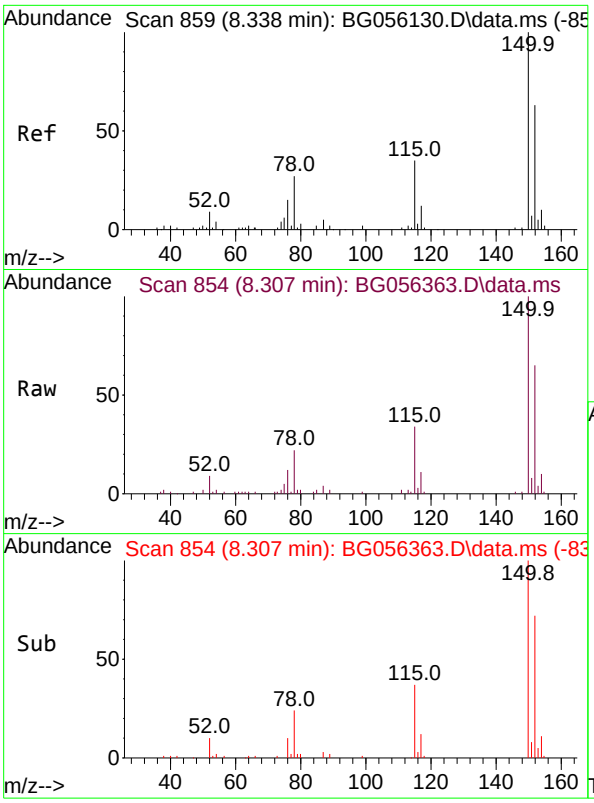
Quant Time: Jan 22 23:58:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

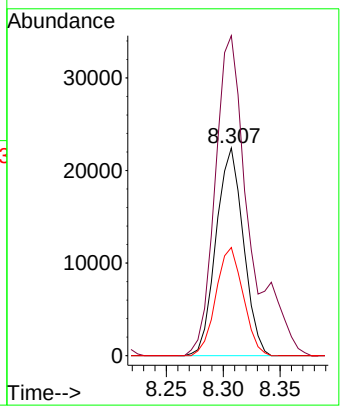




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.307 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:152 Resp: 3741

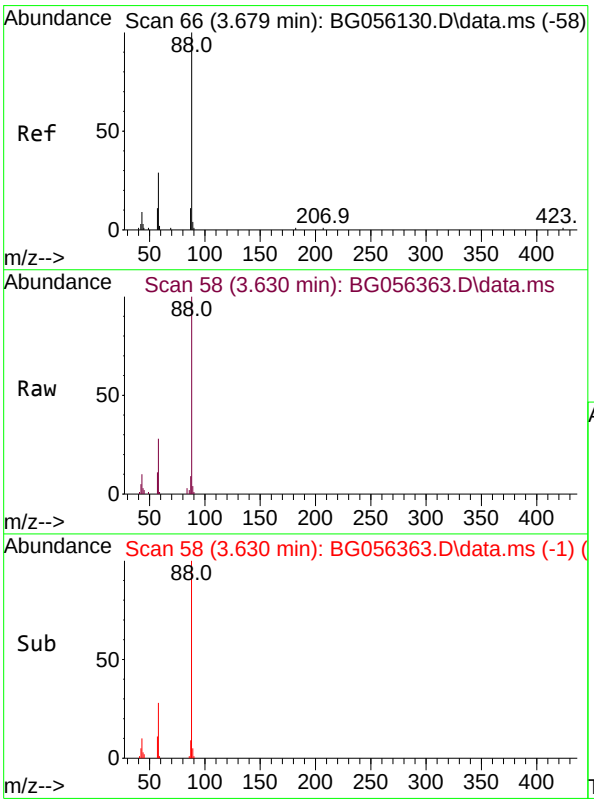
Ion	Ratio	Lower	Upper
152	100		
150	154.2	127.9	191.9
115	52.1	44.2	66.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

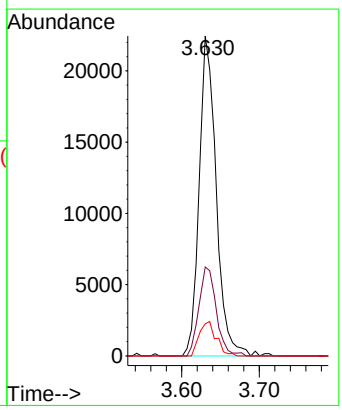
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

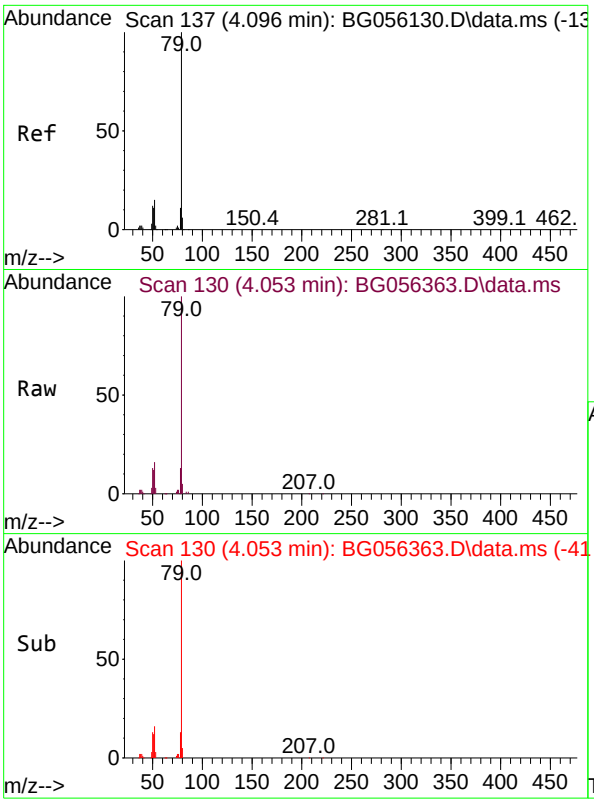


#2
1,4-Dioxane
Concen: 35.774 ng
RT: 3.630 min Scan# 58
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 88 Resp: 34238

Ion	Ratio	Lower	Upper
88	100		
58	28.3	21.4	32.0
43	10.7	7.1	10.7#

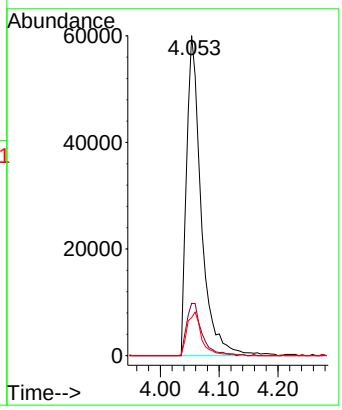




#3
Pyridine
Concen: 35.714 ng
RT: 4.053 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 79 Resp: 10410

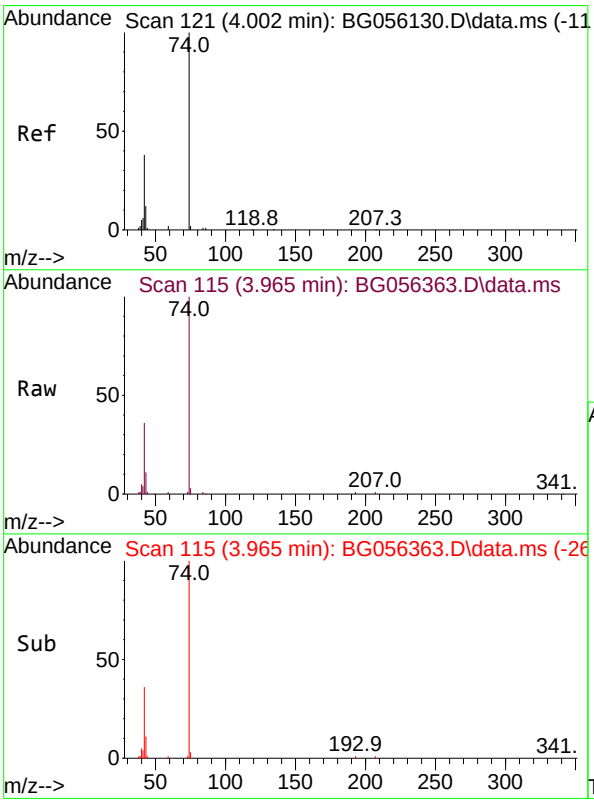
Ion	Ratio	Lower	Upper
79	100		
52	16.3	11.8	17.6
51	11.9	8.8	13.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

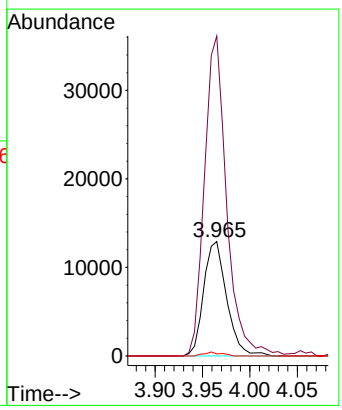
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

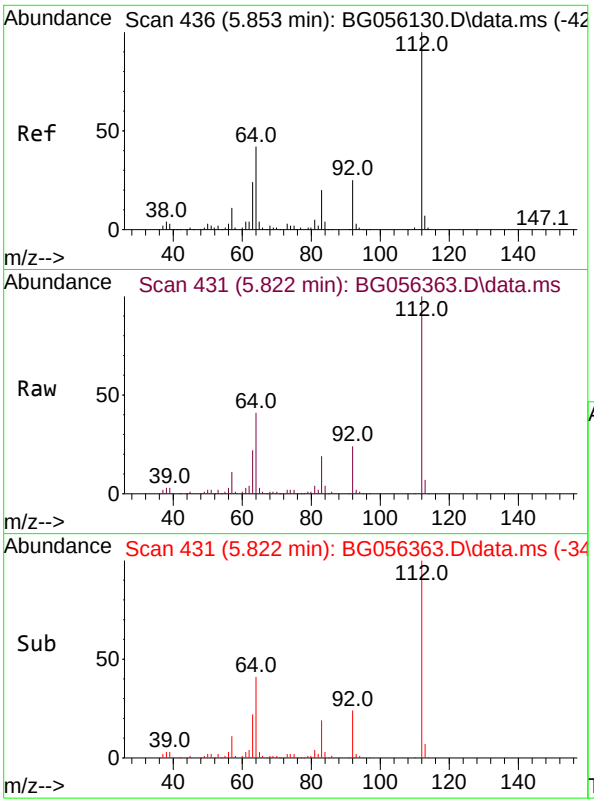


#4
n-Nitrosodimethylamine
Concen: 36.756 ng
RT: 3.965 min Scan# 115
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 42 Resp: 21795

Ion	Ratio	Lower	Upper
42	100		
74	280.0	212.6	319.0
44	1.7	2.6	3.8#

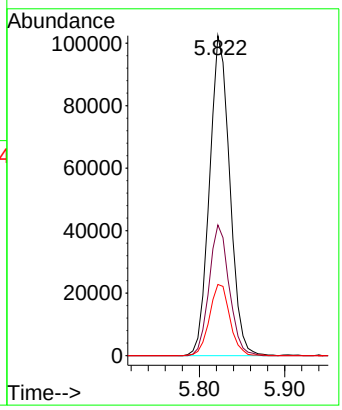




#5
2-Fluorophenol
Concen: 80.542 ng
RT: 5.822 min Scan# 4
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:112 Resp: 16876

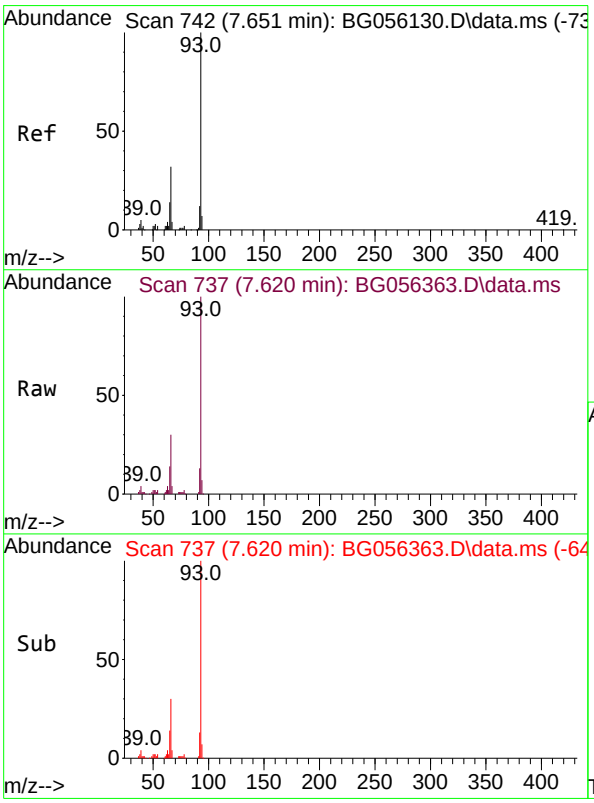
Ion	Ratio	Lower	Upper
112	100		
64	40.8	33.3	49.9
63	22.2	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

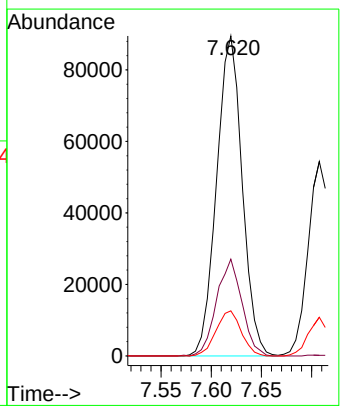
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

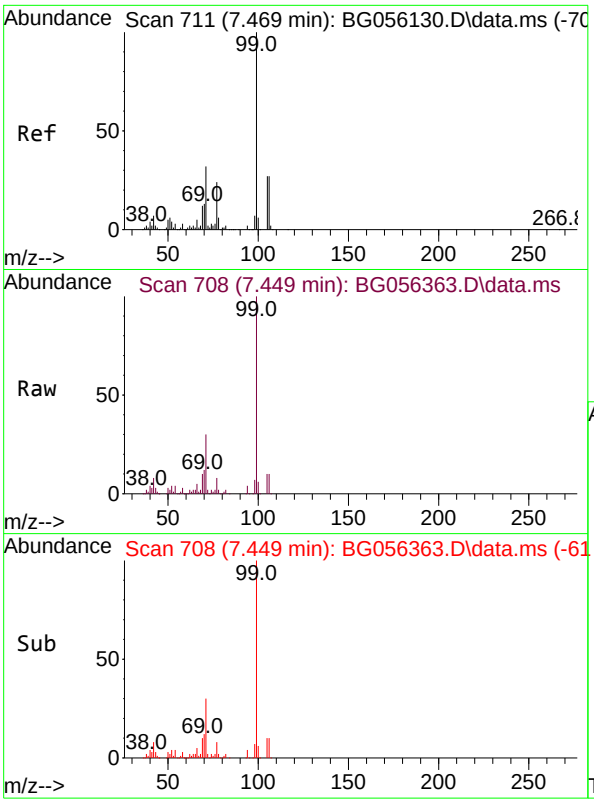


#6
Aniline
Concen: 37.657 ng
RT: 7.620 min Scan# 737
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 93 Resp: 158905

Ion	Ratio	Lower	Upper
93	100		
66	30.2	25.4	38.2
65	14.1	11.4	17.2

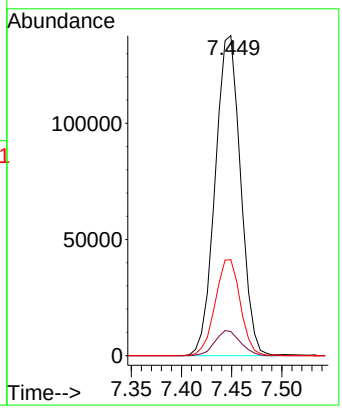




#7
Phenol-d6
Concen: 75.403 ng
RT: 7.449 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 99 Resp: 24263

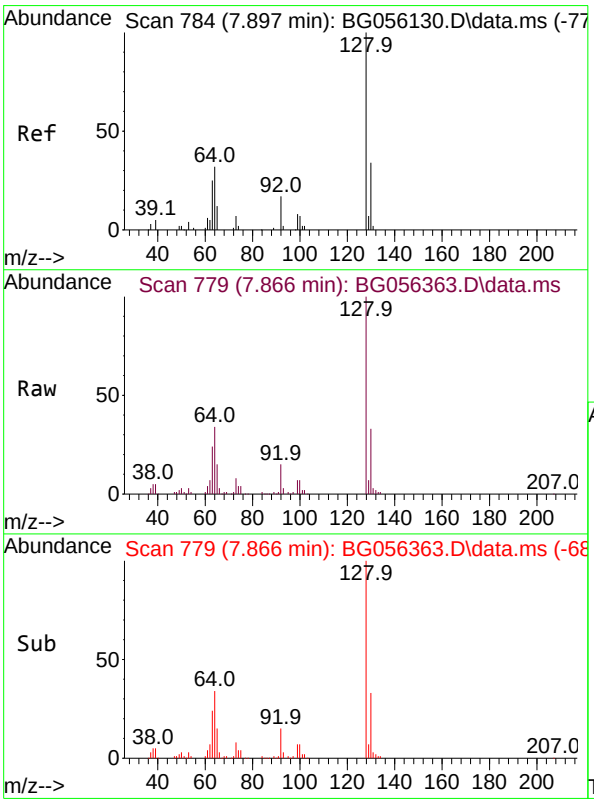
Ion	Ratio	Lower	Upper
99	100		
42	7.5	5.9	8.9
71	30.0	25.4	38.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

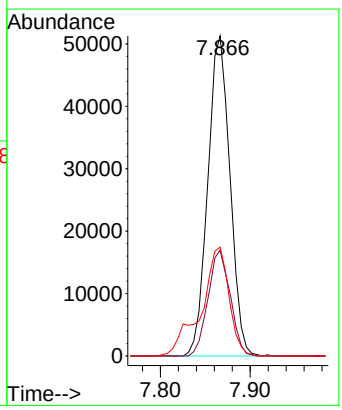
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

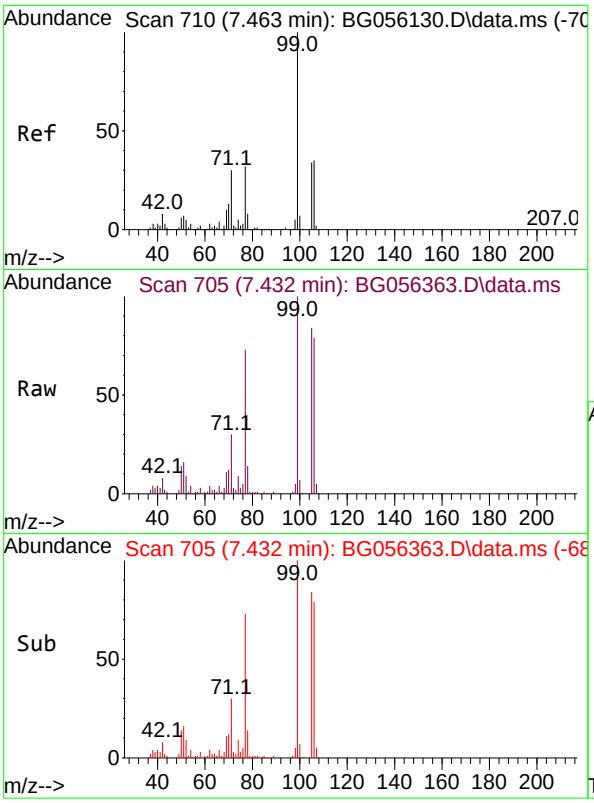


#8
2-Chlorophenol
Concen: 42.130 ng
RT: 7.866 min Scan# 779
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:128 Resp: 87843

Ion	Ratio	Lower	Upper
128	100		
130	33.0	13.5	53.5
64	34.0	18.0	58.0

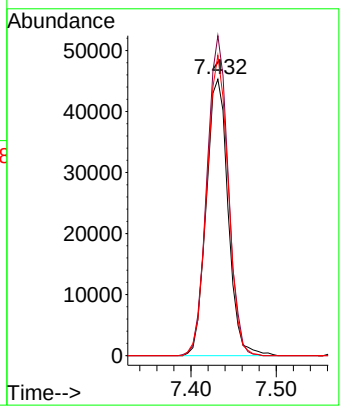




#9
Benzaldehyde
Concen: 42.024 ng
RT: 7.432 min Scan# 70
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 77 Resp: 8040

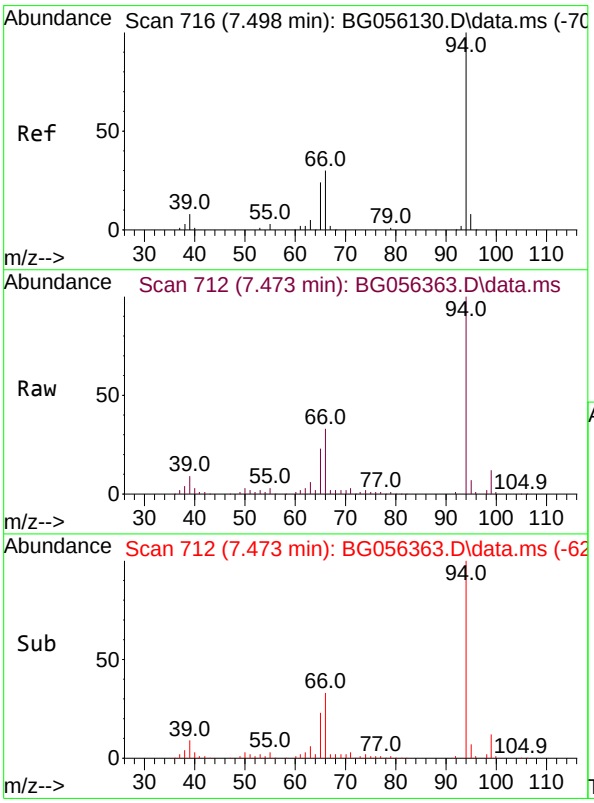
Ion	Ratio	Lower	Upper
77	100		
105	115.8	86.8	126.8
106	108.6	89.3	129.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

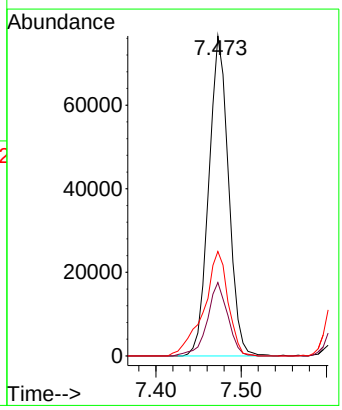
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

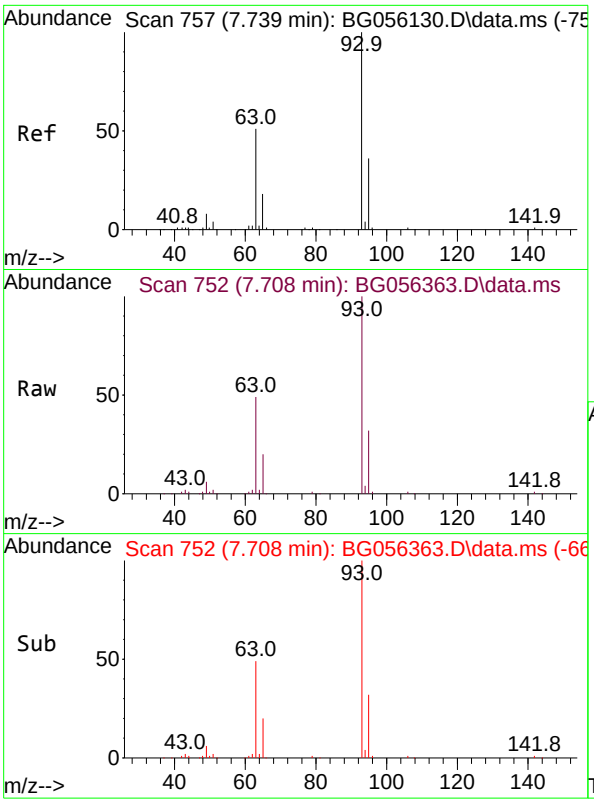


#10
Phenol
Concen: 37.665 ng
RT: 7.473 min Scan# 712
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 94 Resp: 122913

Ion	Ratio	Lower	Upper
94	100		
65	22.9	4.3	44.3
66	32.6	13.2	53.2

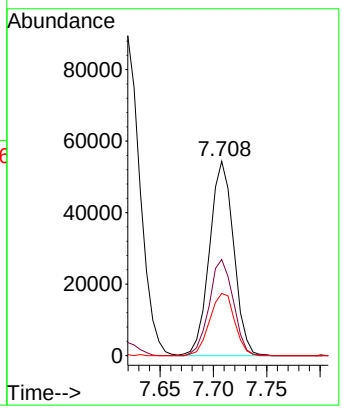




#11
bis(2-Chloroethyl)ether
Concen: 38.831 ng
RT: 7.708 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 93 Resp: 8587

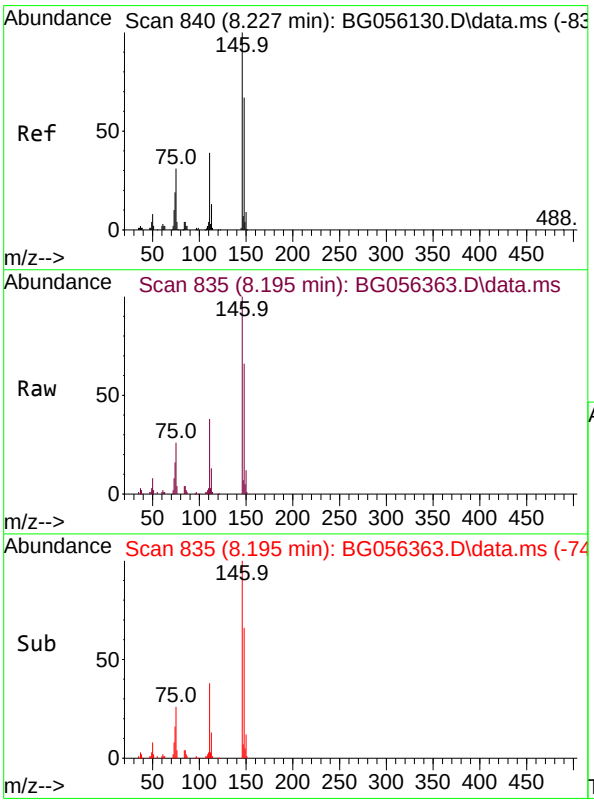
Ion	Ratio	Lower	Upper
93	100		
63	49.5	30.5	70.5
95	32.0	15.9	55.9



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

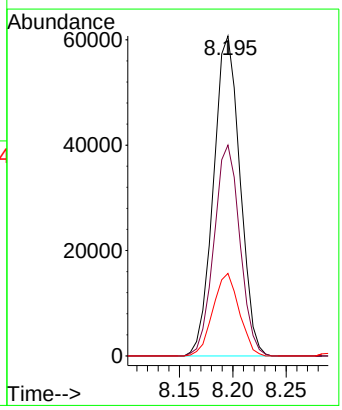
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

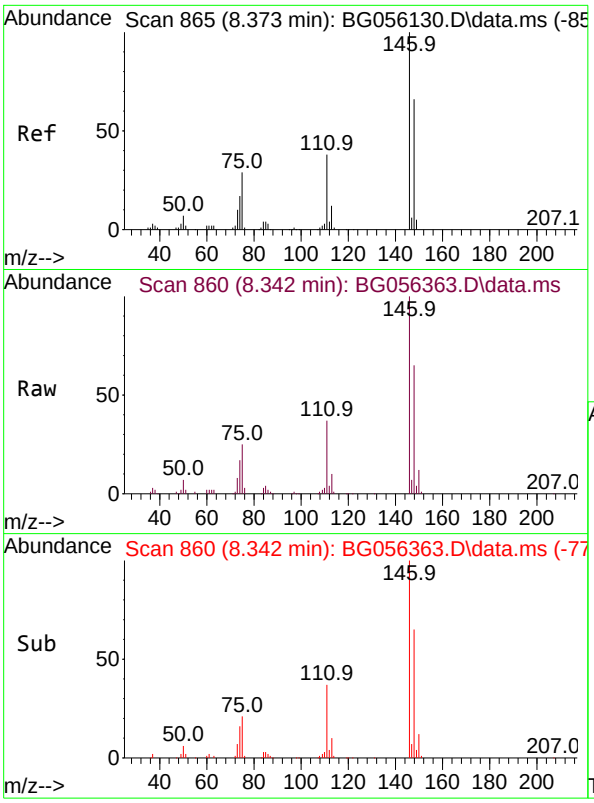


#12
1,3-Dichlorobenzene
Concen: 41.419 ng
RT: 8.195 min Scan# 835
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:146 Resp: 105107

Ion	Ratio	Lower	Upper
146	100		
148	65.9	53.5	80.3
75	25.8	24.8	37.2

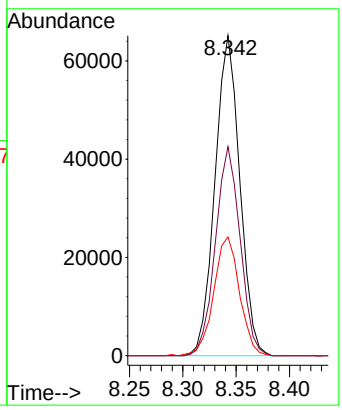




#13
1,4-Dichlorobenzene
Concen: 41.364 ng
RT: 8.342 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:146 Resp: 10540

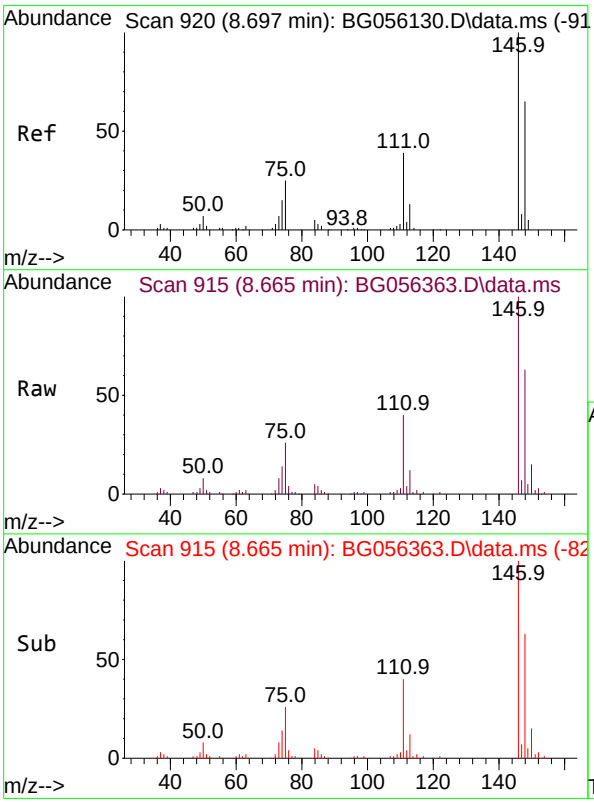
Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.8	79.2
111	37.1	30.5	45.7



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

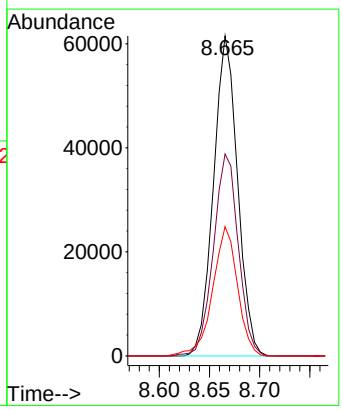
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

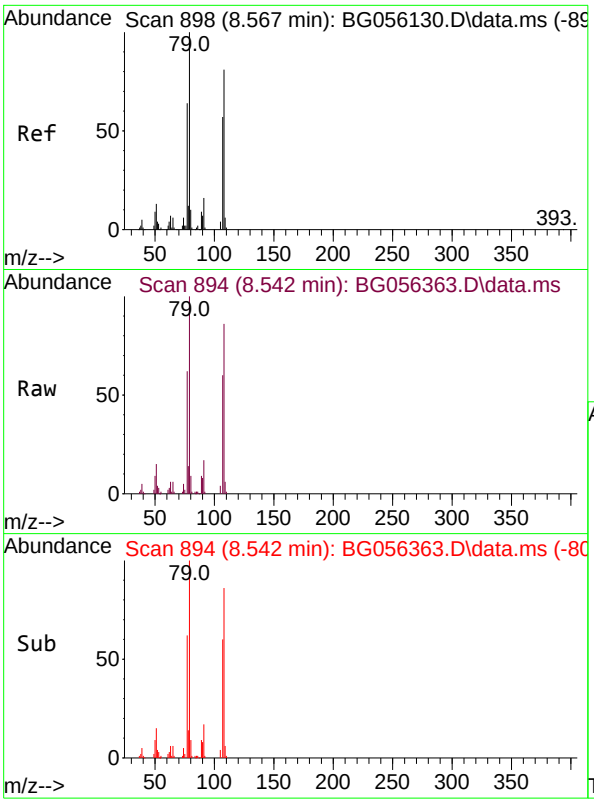


#14
1,2-Dichlorobenzene
Concen: 41.776 ng
RT: 8.665 min Scan# 915
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:146 Resp: 102719

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.7	77.5
111	40.4	31.5	47.3

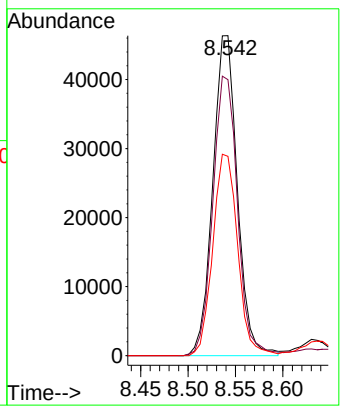




#15
Benzyl Alcohol
Concen: 35.585 ng
RT: 8.542 min Scan# 89
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 79 Resp: 8333

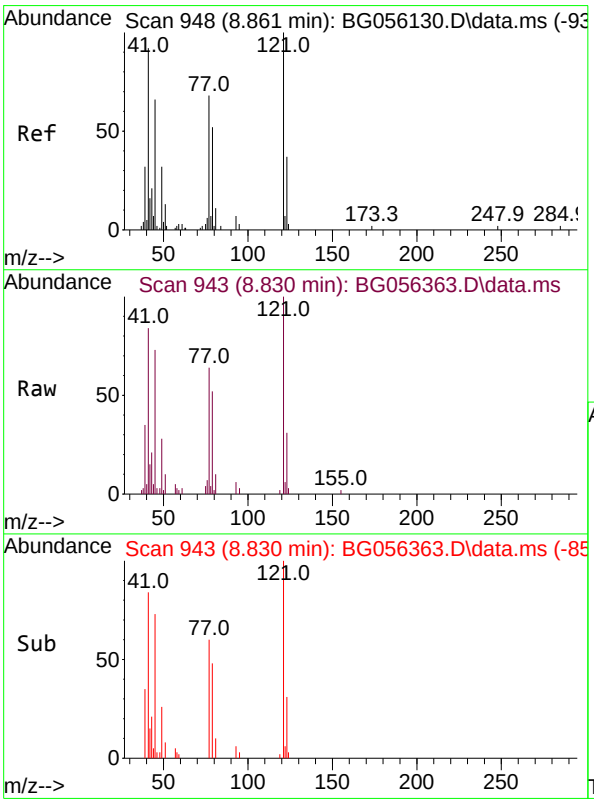
Ion	Ratio	Lower	Upper
79	100		
108	86.2	64.7	97.1
77	62.3	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

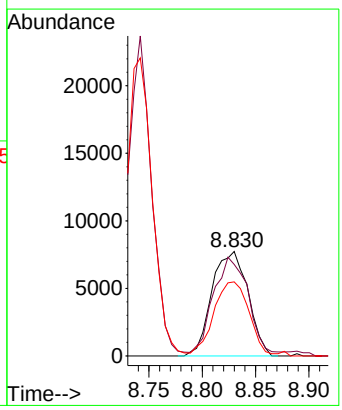
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

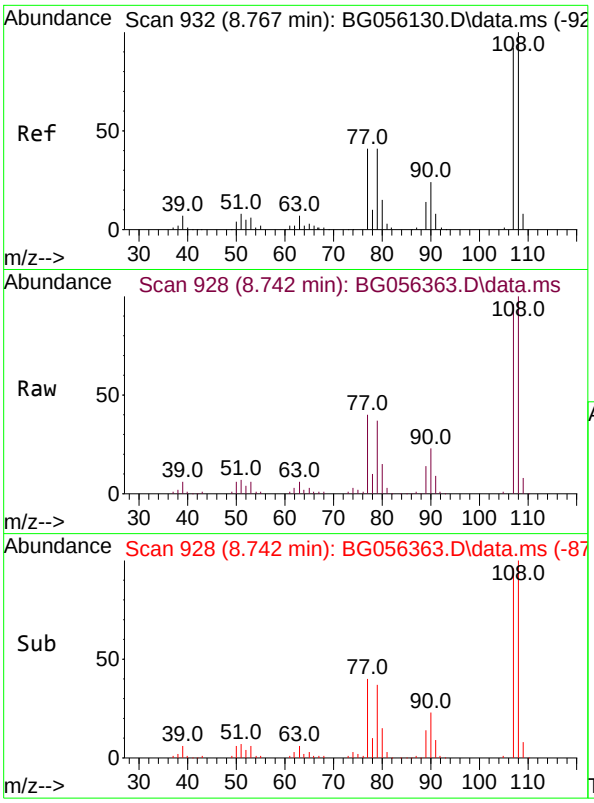


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.364 ng
RT: 8.830 min Scan# 943
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 45 Resp: 18119

Ion	Ratio	Lower	Upper
45	100		
77	87.6	88.2	128.2#
79	70.9	61.2	101.2

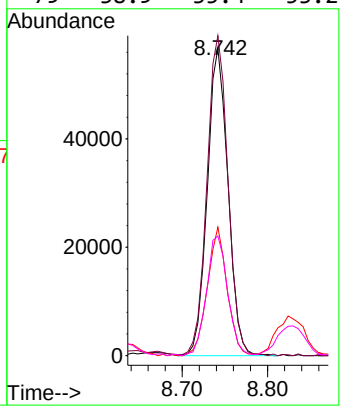




#17
2-Methylphenol
Concen: 39.912 ng
RT: 8.742 min Scan# 9
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:107 Resp: 9557

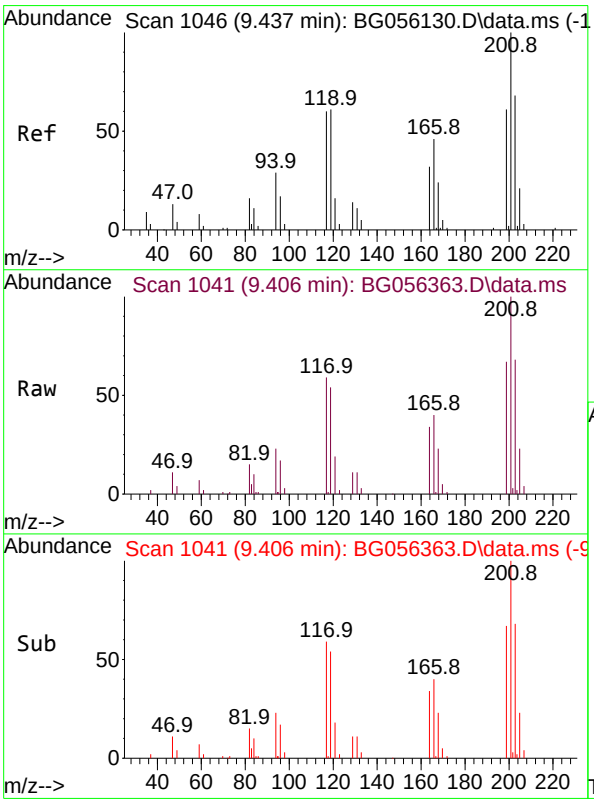
Ion	Ratio	Lower	Upper
107	100		
108	104.1	86.6	129.8
77	41.8	35.4	53.2
79	38.9	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

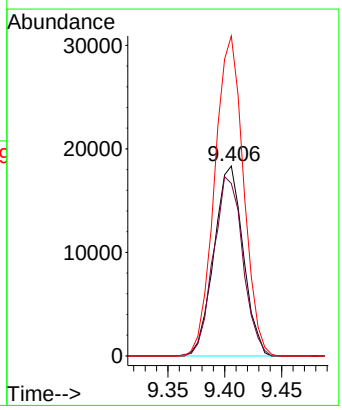
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

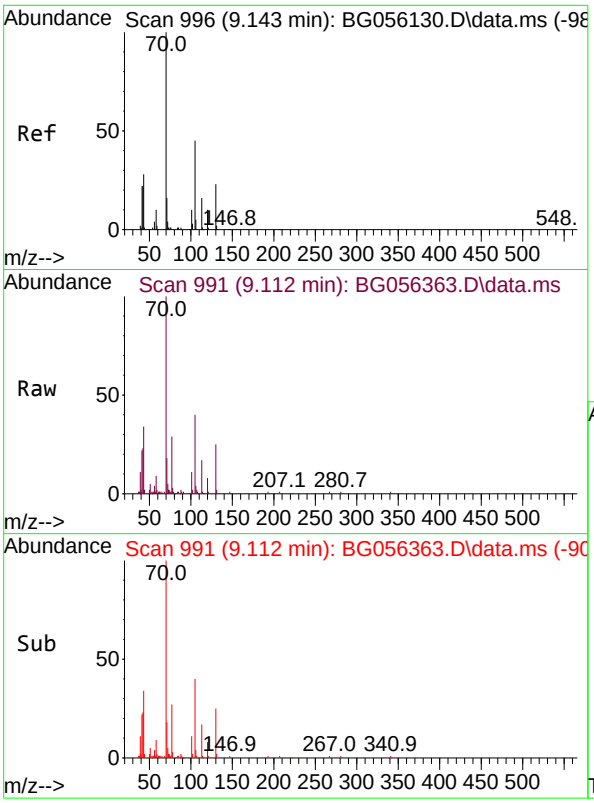


#18
Hexachloroethane
Concen: 42.087 ng
RT: 9.406 min Scan# 1041
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:117 Resp: 32581

Ion	Ratio	Lower	Upper
117	100		
119	89.8	81.8	122.6
201	171.5	134.2	201.2

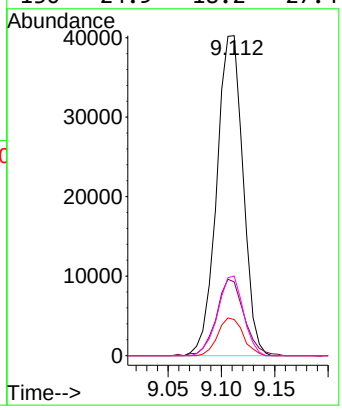




#19
n-Nitroso-di-n-propylamine
Concen: 35.320 ng
RT: 9.112 min Scan# 99
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 70 Resp: 6911

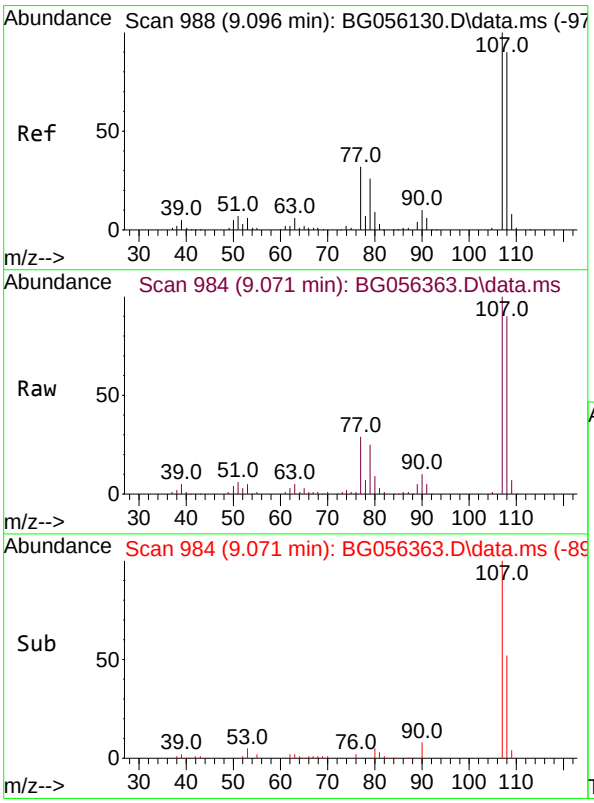
Ion	Ratio	Lower	Upper
70	100		
42	23.0	18.2	27.2
101	11.3	8.3	12.5
130	24.9	18.2	27.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

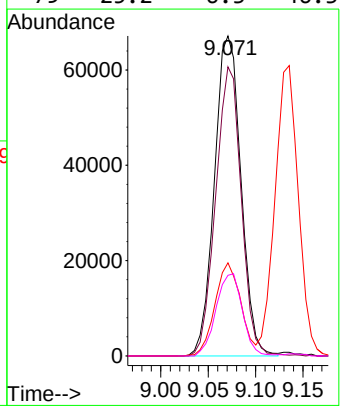
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

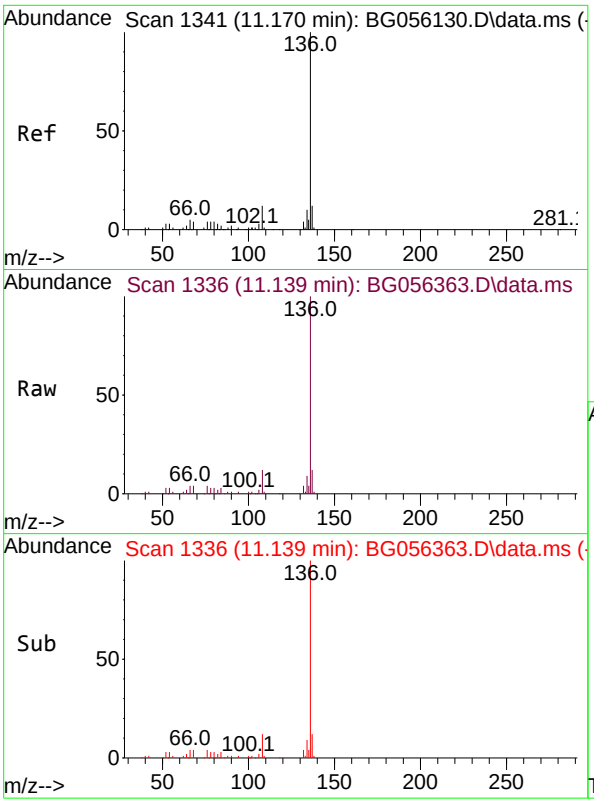


#20
3+4-Methylphenols
Concen: 38.746 ng
RT: 9.071 min Scan# 984
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:107 Resp: 130441

Ion	Ratio	Lower	Upper
107	100		
108	90.3	69.6	109.6
77	29.1	11.7	51.7
79	25.2	6.3	46.3

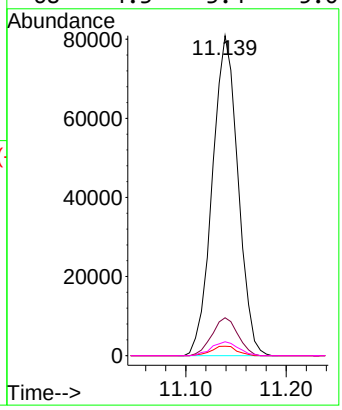




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.139 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:136 Resp: 14376

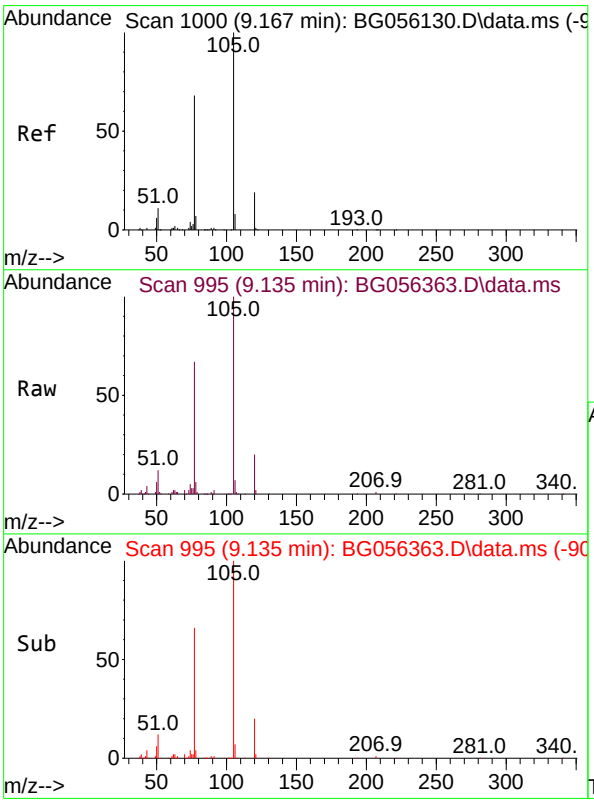
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.4	14.0
54	2.9	2.2	3.2
68	4.3	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

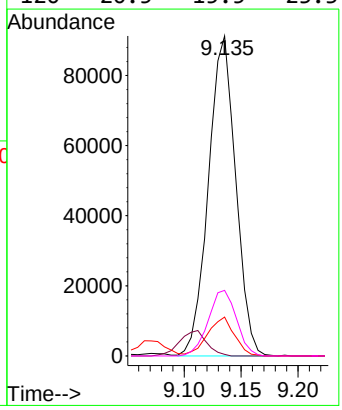
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

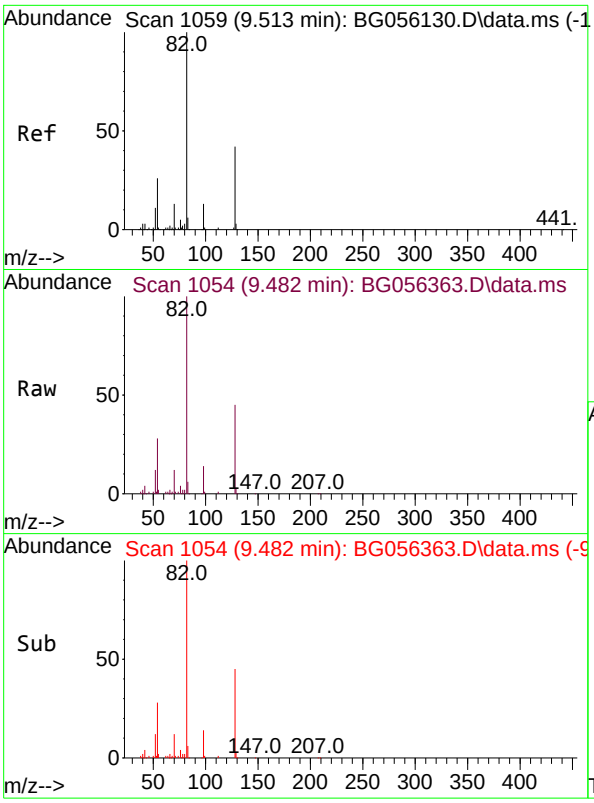


#22
Acetophenone
Concen: 37.445 ng
RT: 9.135 min Scan# 995
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:105 Resp: 152210

Ion	Ratio	Lower	Upper
105	100		
71	0.5	0.5	0.7
51	12.1	9.3	13.9
120	20.5	15.5	23.3

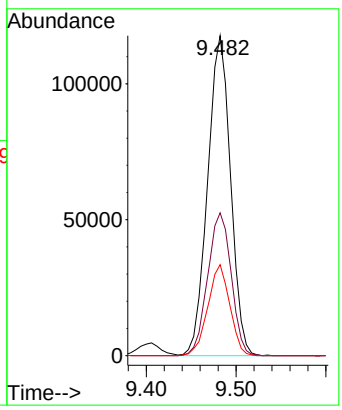




#23
Nitrobenzene-d5
Concen: 74.170 ng
RT: 9.482 min Scan# 10
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 82 Resp: 20845

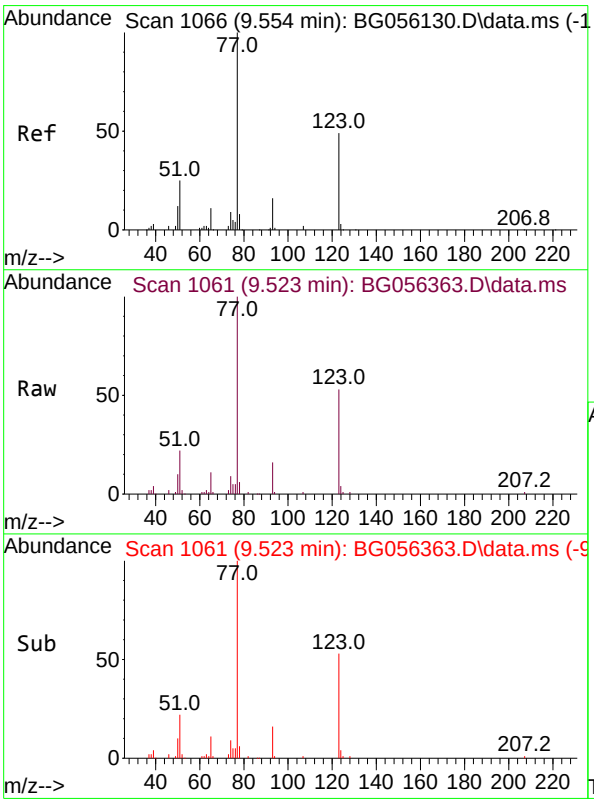
Ion	Ratio	Lower	Upper
82	100		
128	44.6	33.4	50.2
54	28.4	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

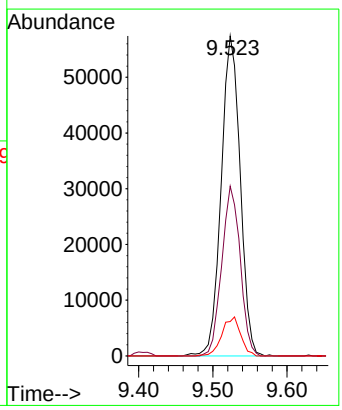
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

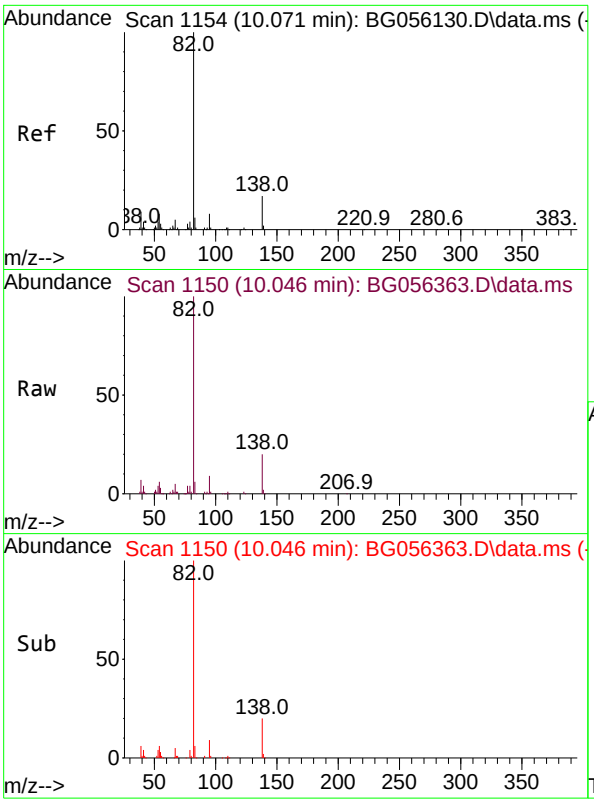


#24
Nitrobenzene
Concen: 36.670 ng
RT: 9.523 min Scan# 1061
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 77 Resp: 102134

Ion	Ratio	Lower	Upper
77	100		
123	53.0	38.8	58.2
65	10.7	9.1	13.7

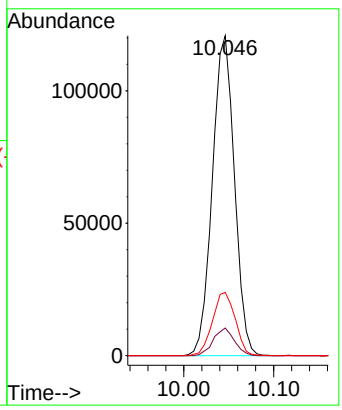




#25
Isophorone
Concen: 35.048 ng
RT: 10.046 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 82 Resp: 20725

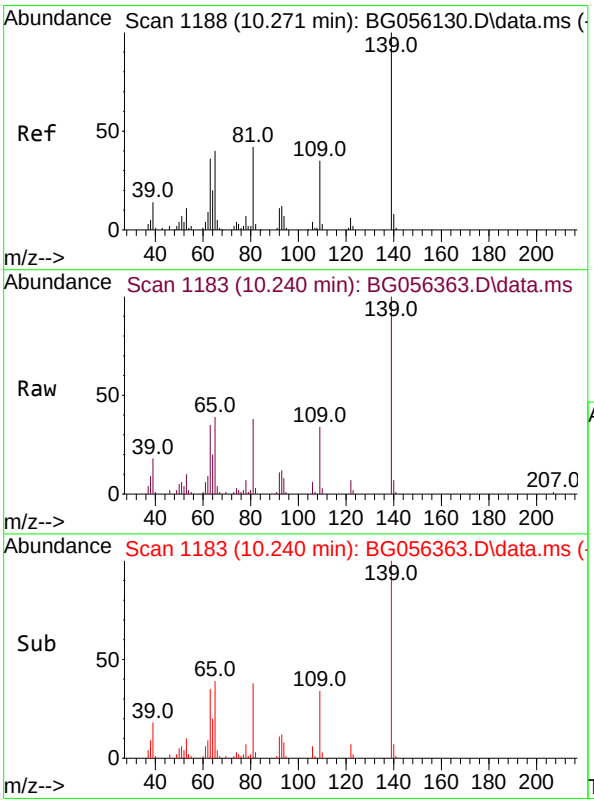
Ion	Ratio	Lower	Upper
82	100		
95	8.6	6.7	10.1
138	19.7	13.7	20.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

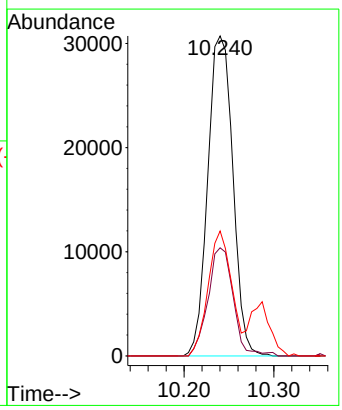
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

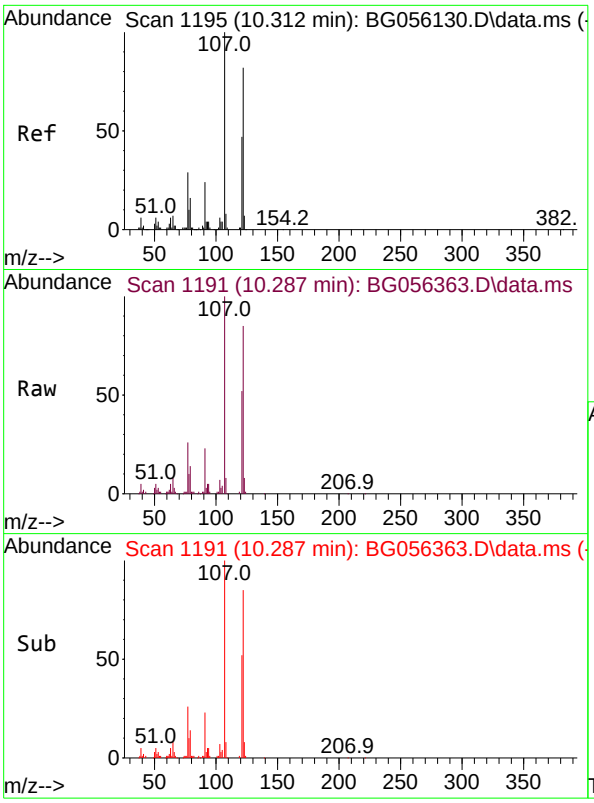


#26
2-Nitrophenol
Concen: 41.796 ng
RT: 10.240 min Scan# 1183
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:139 Resp: 59561

Ion	Ratio	Lower	Upper
139	100		
109	33.8	28.4	42.6
65	39.0	32.1	48.1

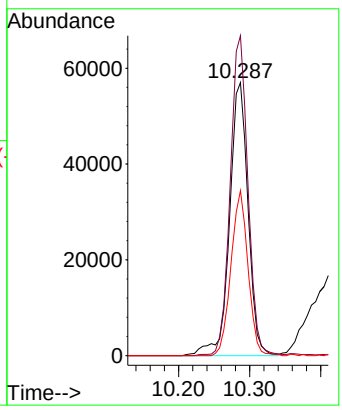




#27
2,4-Dimethylphenol
Concen: 39.555 ng
RT: 10.287 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:122 Resp: 10281

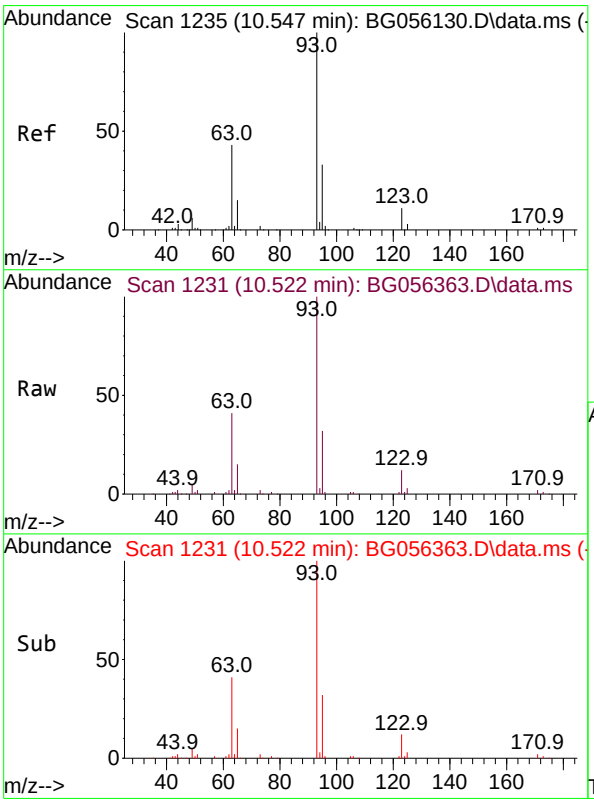
Ion	Ratio	Lower	Upper
122	100		
107	117.2	97.5	146.3
121	60.5	45.9	68.9



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

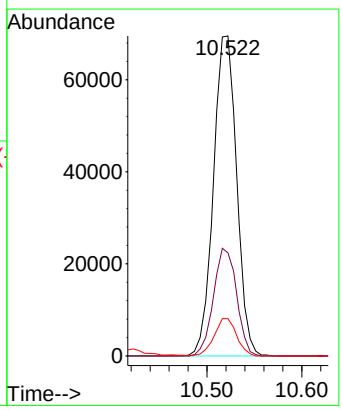
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

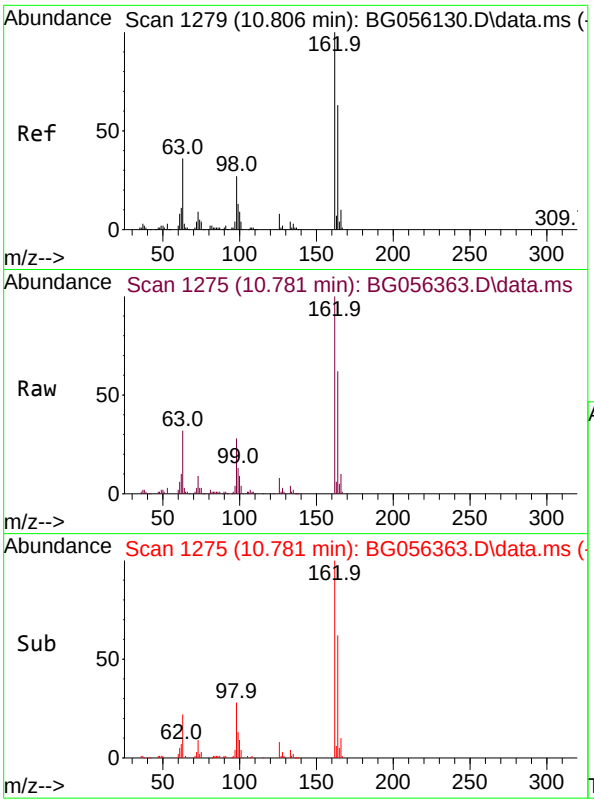


#28
bis(2-Chloroethoxy)methane
Concen: 38.474 ng
RT: 10.522 min Scan# 1231
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 93 Resp: 118245

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.2
123	11.7	9.0	13.6

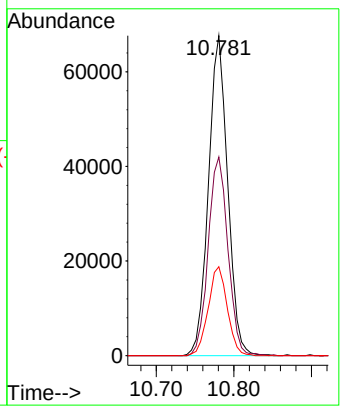




#29
2,4-Dichlorophenol
Concen: 40.396 ng
RT: 10.781 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:162 Resp: 116079

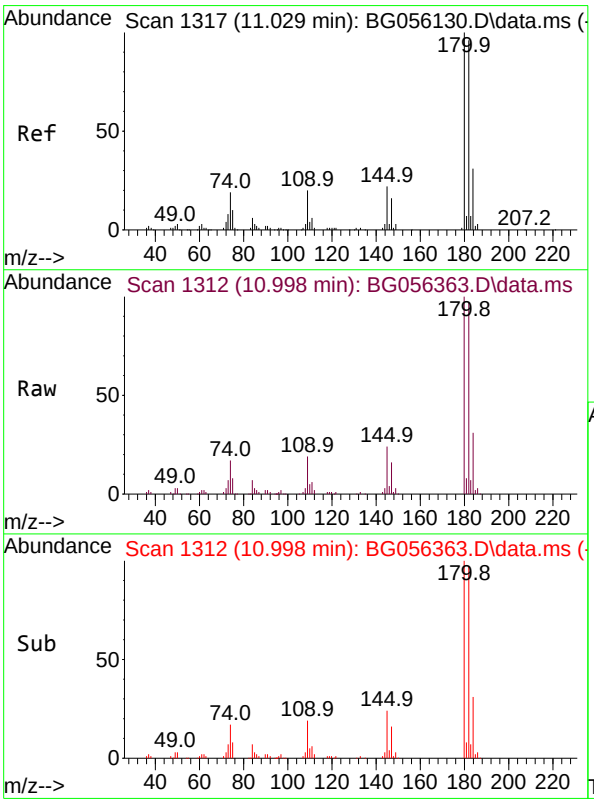
Ion	Ratio	Lower	Upper
162	100		
164	62.1	43.3	83.3
98	27.8	6.8	46.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

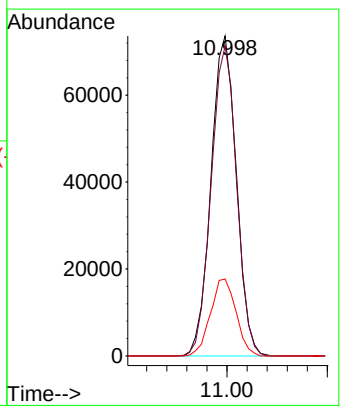
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

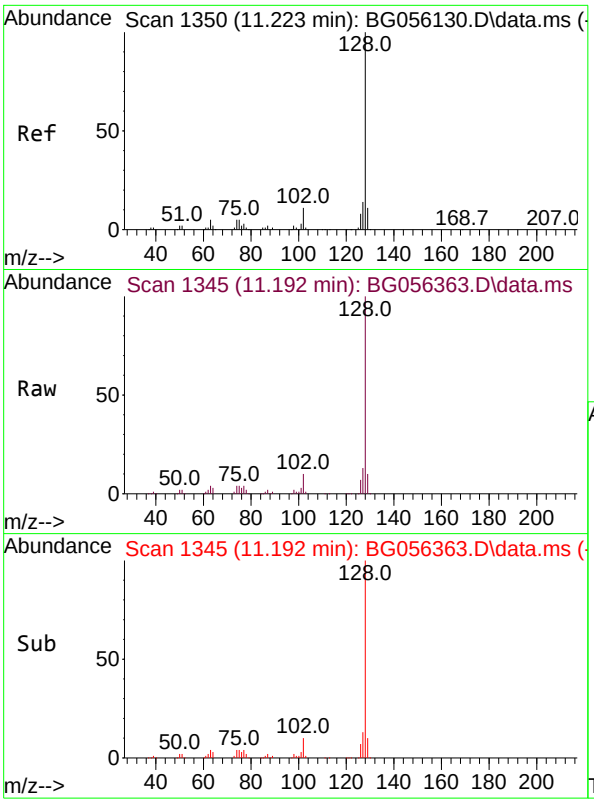


#30
1,2,4-Trichlorobenzene
Concen: 39.624 ng
RT: 10.998 min Scan# 1312
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:180 Resp: 129209

Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.0	115.4
145	24.0	17.4	26.2

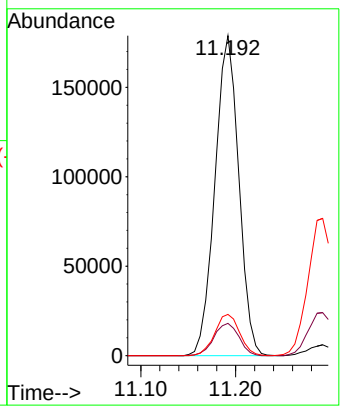




#31
Naphthalene
Concen: 41.253 ng
RT: 11.192 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:128 Resp: 312121

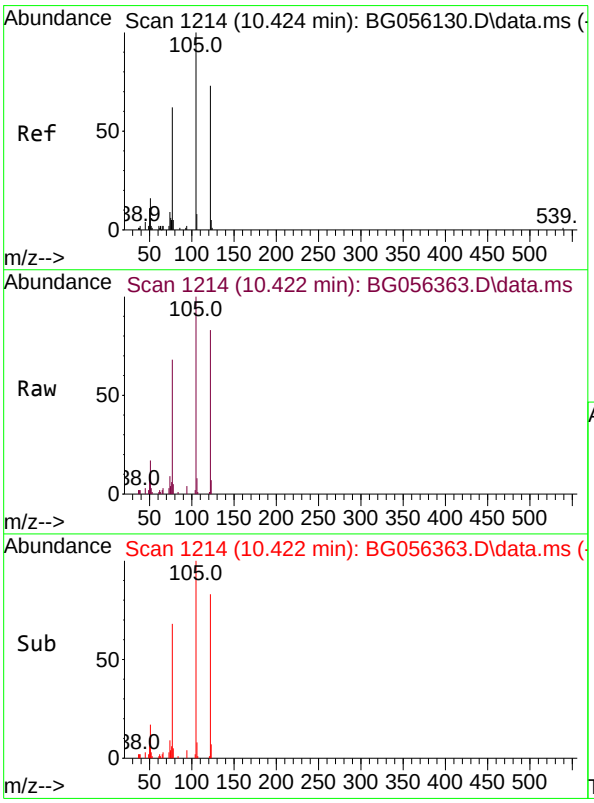
Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.9	13.3
127	12.9	11.2	16.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

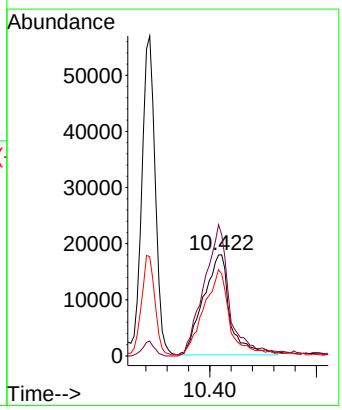
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

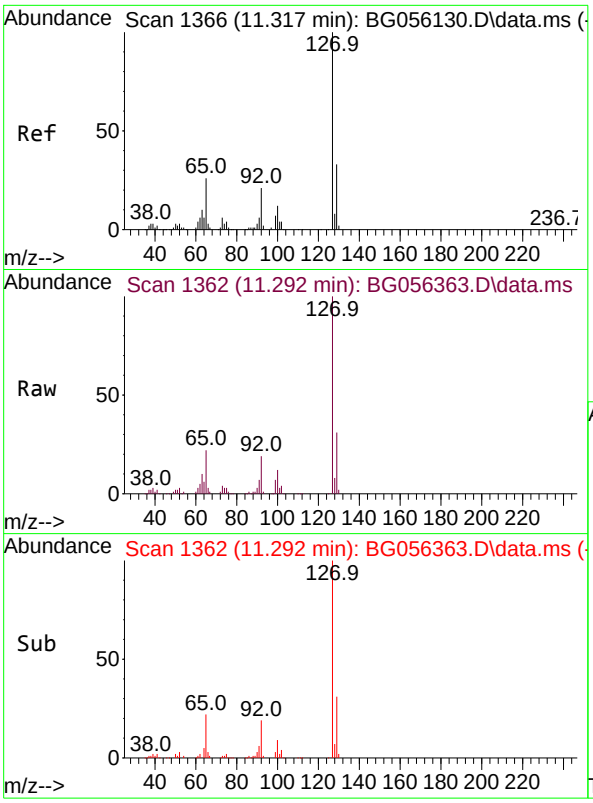


#32
Benzoic acid
Concen: 32.186 ng
RT: 10.422 min Scan# 1214
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:122 Resp: 62071

Ion	Ratio	Lower	Upper
122	100		
105	119.8	109.0	149.0
77	81.0	63.1	103.1

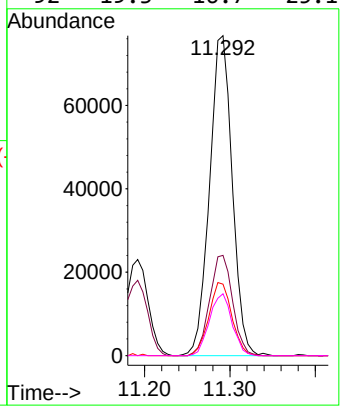




#33
4-Chloroaniline
Concen: 39.215 ng
RT: 11.292 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:127 Resp: 14165

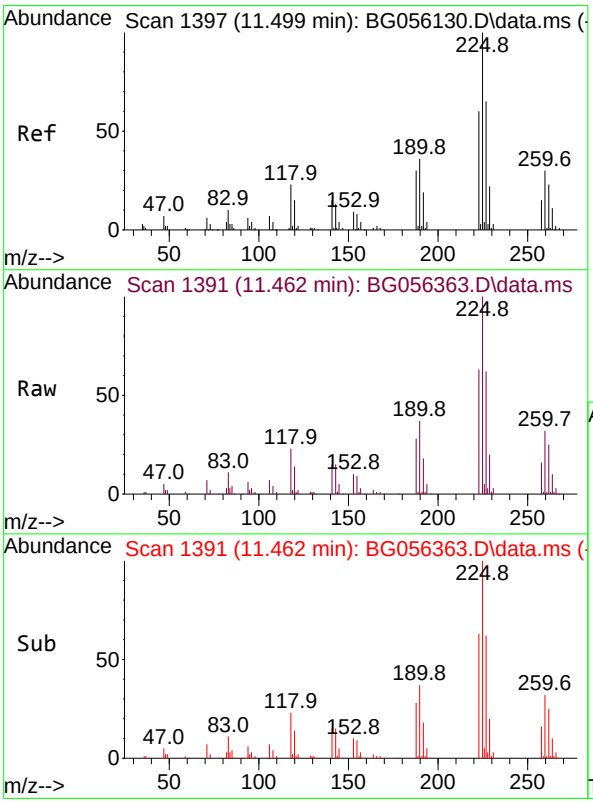
Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.1	39.1
65	22.3	20.9	31.3
92	19.3	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

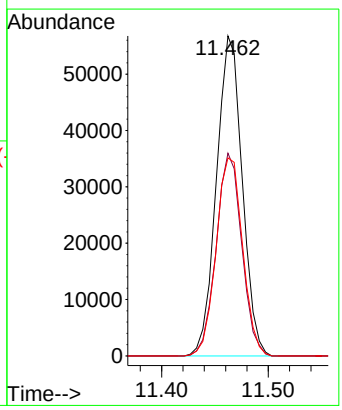
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

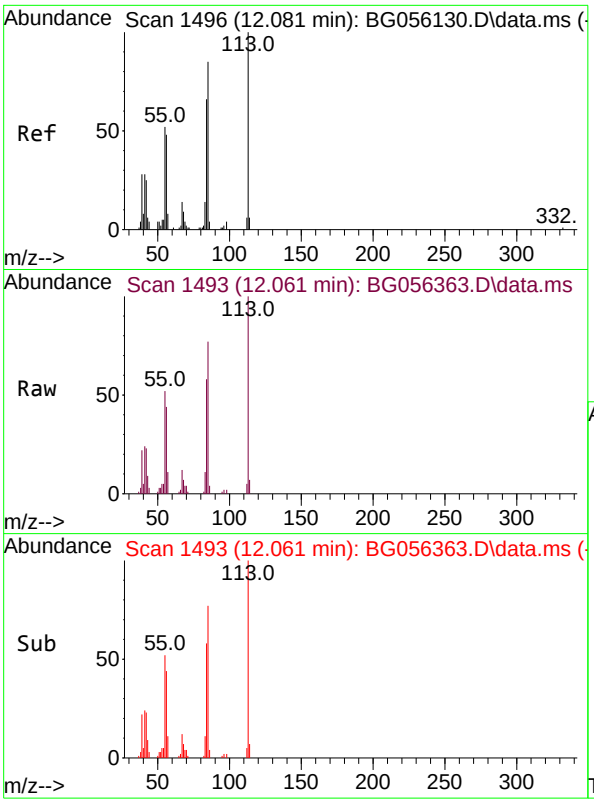


#34
Hexachlorobutadiene
Concen: 40.745 ng
RT: 11.462 min Scan# 1391
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:225 Resp: 95559

Ion	Ratio	Lower	Upper
225	100		
223	63.3	47.7	71.5
227	64.5	52.3	78.5





#35
Caprolactam
Concen: 36.215 ng
RT: 12.061 min Scan# 14
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

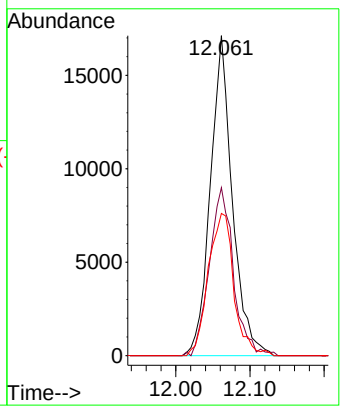
Tgt Ion:113 Resp: 3523

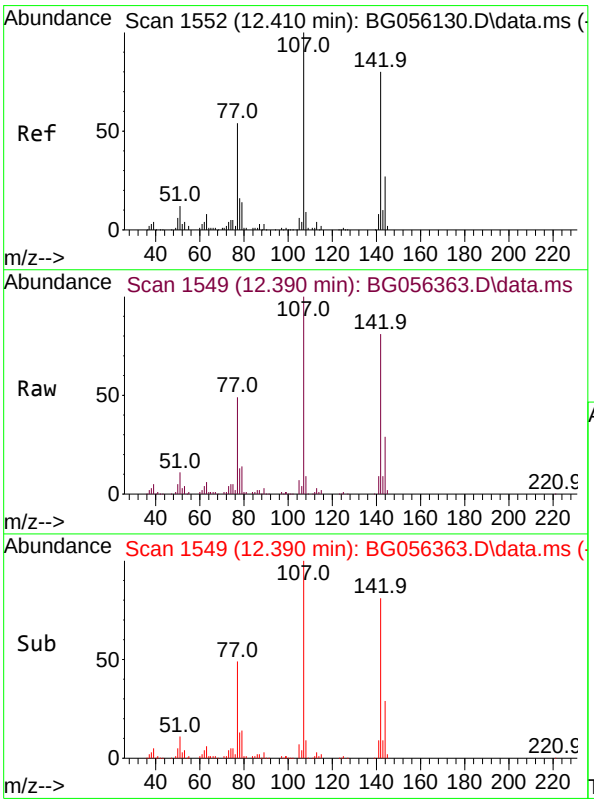
Ion	Ratio	Lower	Upper
113	100		
55	52.5	31.9	71.9
56	44.4	27.6	67.6

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

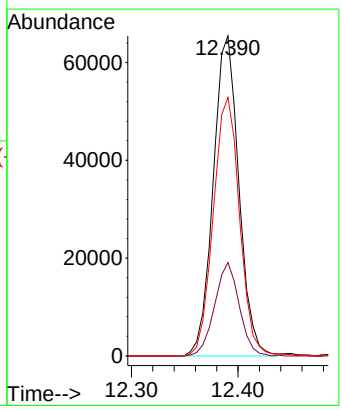


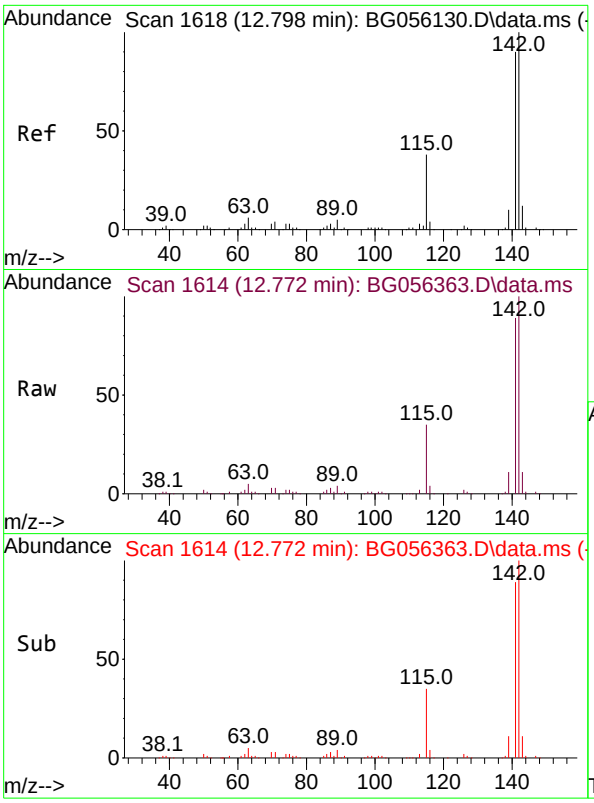


#36
4-Chloro-3-methylphenol
Concen: 37.498 ng
RT: 12.390 min Scan# 1549
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:107 Resp: 109337

Ion	Ratio	Lower	Upper
107	100		
144	29.2	21.5	32.3
142	80.8	63.8	95.6

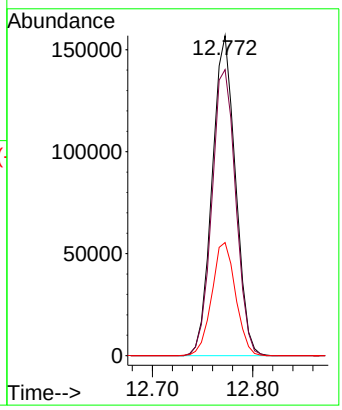




#37
2-Methylnaphthalene
Concen: 39.648 ng
RT: 12.772 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:142 Resp: 25328

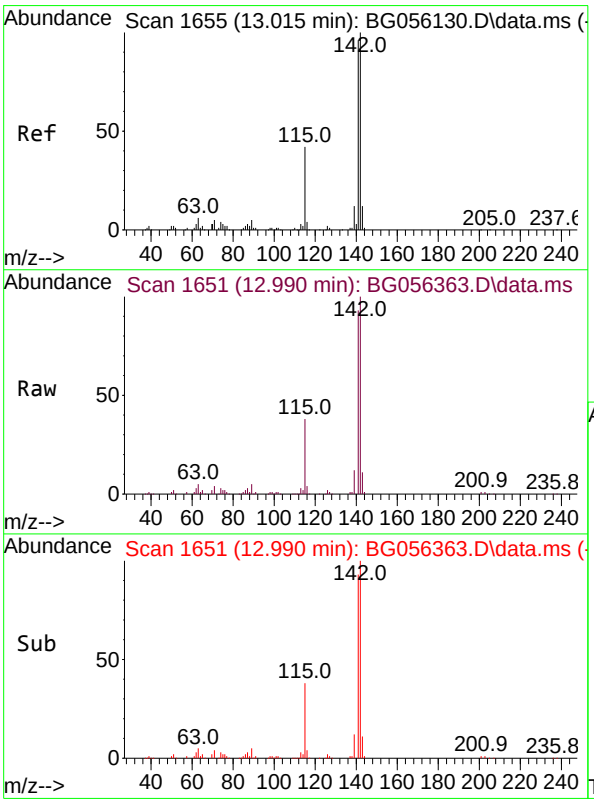
Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.2	108.4
115	35.3	30.7	46.1



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

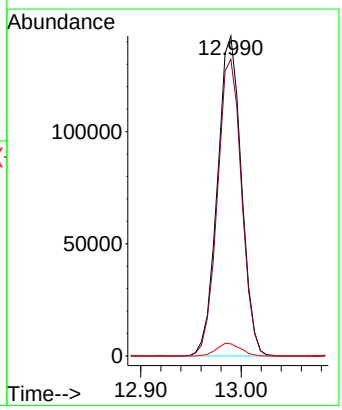
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

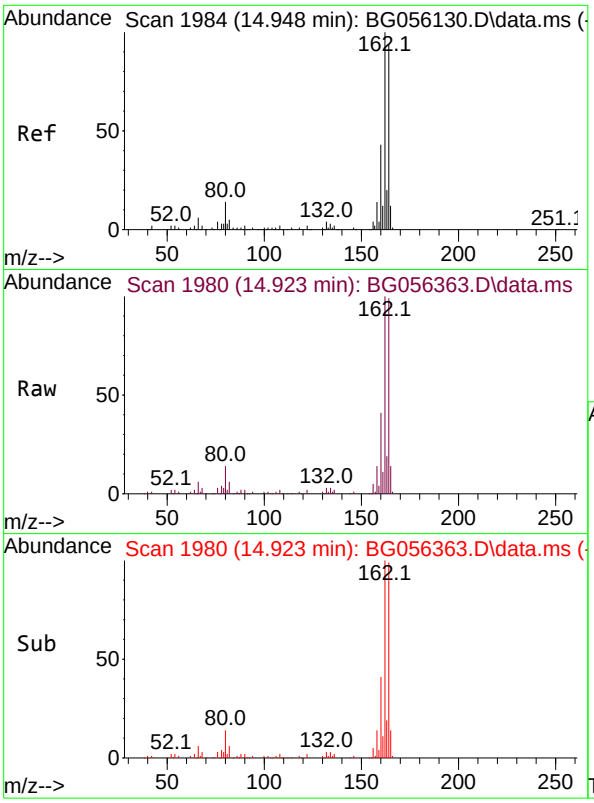


#38
1-Methylnaphthalene
Concen: 39.895 ng
RT: 12.990 min Scan# 1651
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:142 Resp: 236673

Ion	Ratio	Lower	Upper
142	100		
141	92.7	77.0	115.6
116	3.8	3.6	5.4

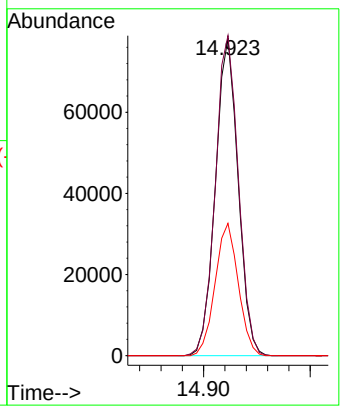




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.923 min Scan# 19
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:164 Resp: 11586

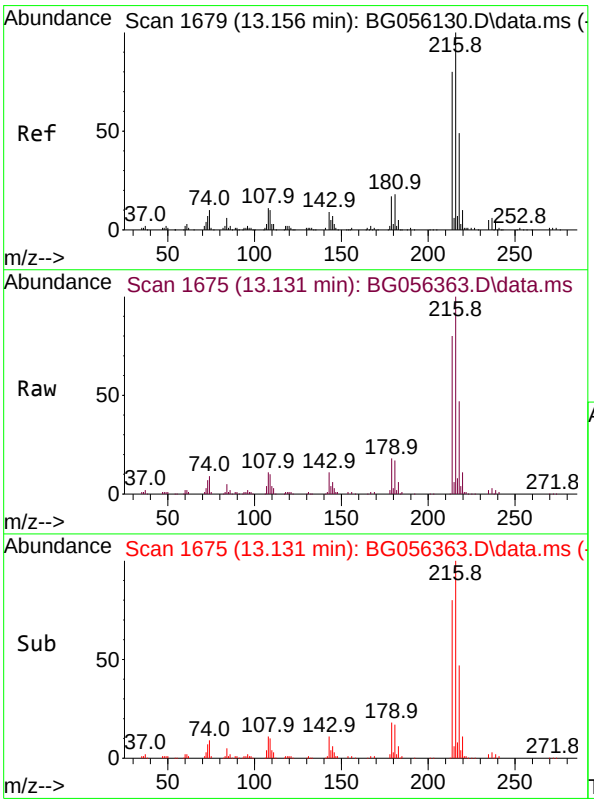
Ion	Ratio	Lower	Upper
164	100		
162	100.7	84.7	127.1
160	41.6	36.3	54.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

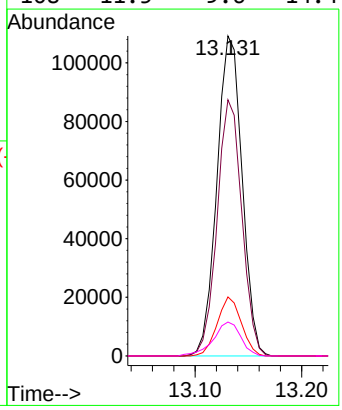
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

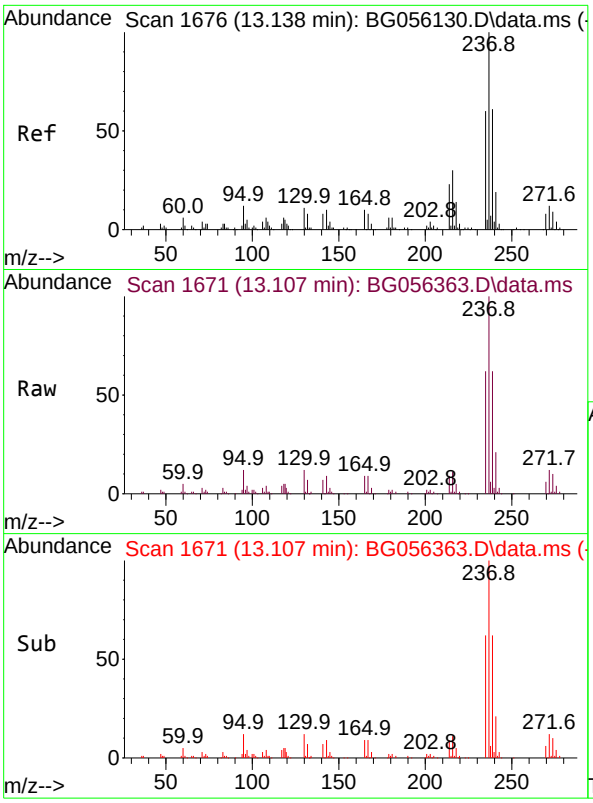


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.329 ng
RT: 13.131 min Scan# 1675
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:216 Resp: 179471

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.4	95.0
179	17.6	13.6	20.4
108	11.5	9.6	14.4

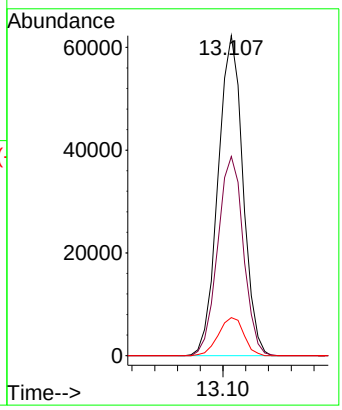




#41
Hexachlorocyclopentadiene
Concen: 38.217 ng
RT: 13.107 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:237 Resp: 9461

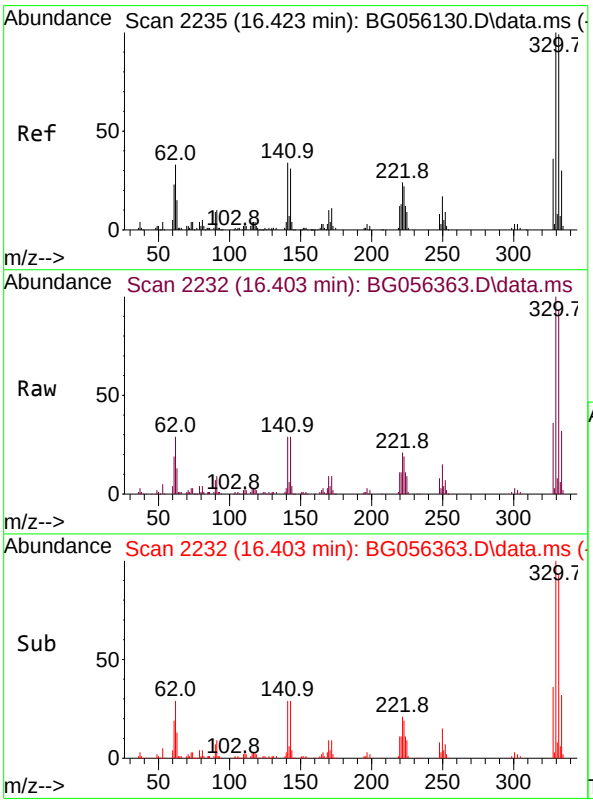
Ion	Ratio	Lower	Upper
237	100		
235	62.2	40.3	80.3
272	11.9	0.0	32.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

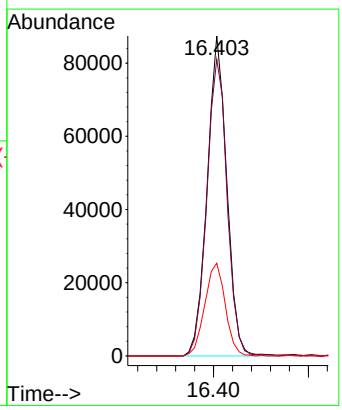
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

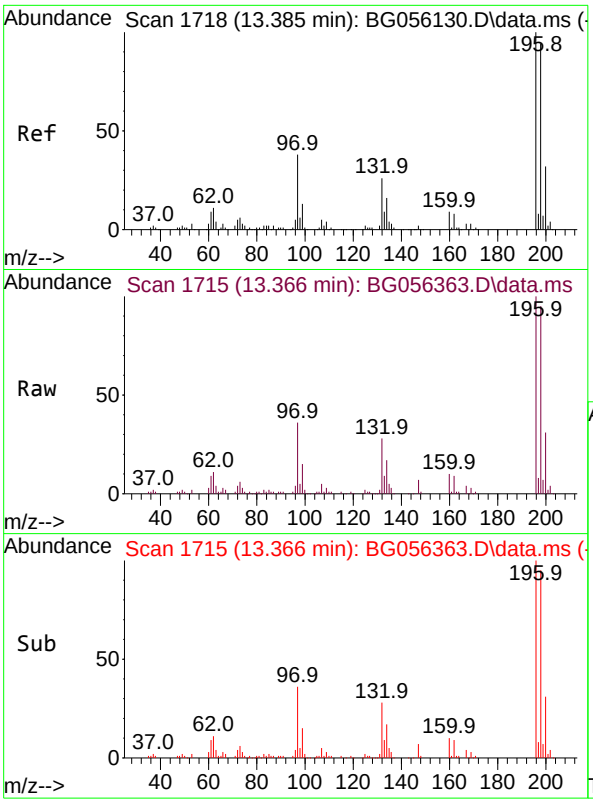


#42
2,4,6-Tribromophenol
Concen: 85.701 ng
RT: 16.403 min Scan# 2232
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:330 Resp: 125755

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.3	115.9
141	30.2	27.9	41.9

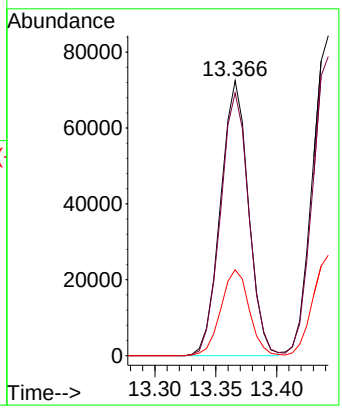




#43
2,4,6-Trichlorophenol
Concen: 40.266 ng
RT: 13.366 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:196 Resp: 11562

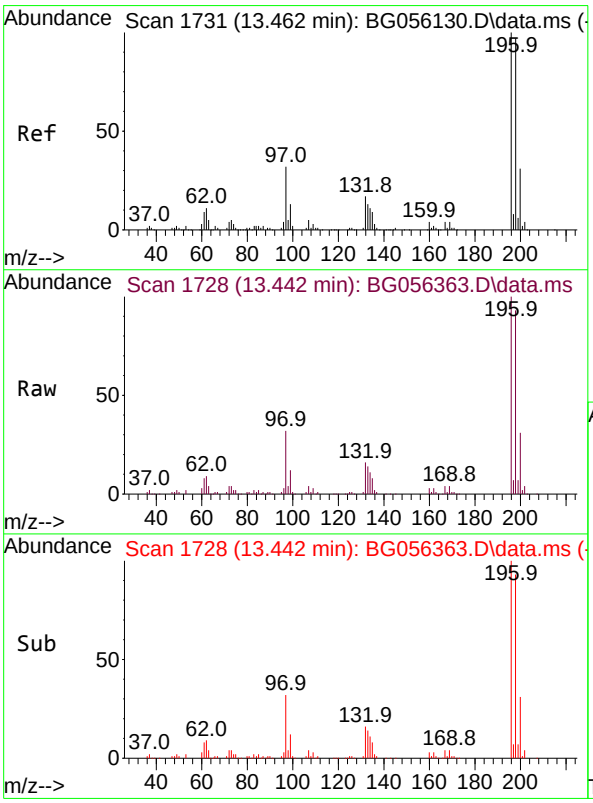
Ion	Ratio	Lower	Upper
196	100		
198	95.5	75.5	113.3
200	31.2	25.7	38.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

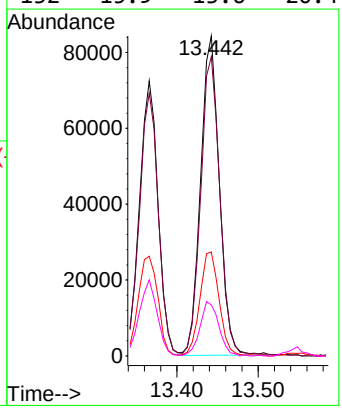
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

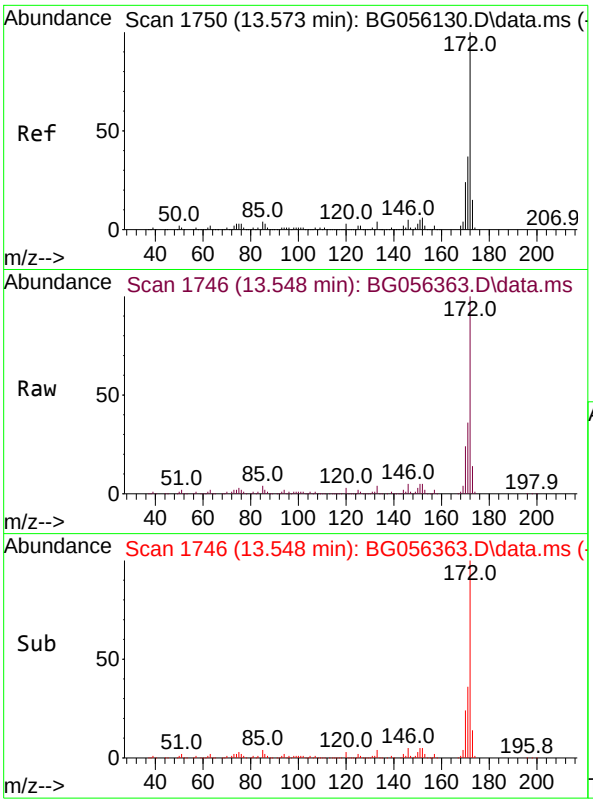


#44
2,4,5-Trichlorophenol
Concen: 39.777 ng
RT: 13.442 min Scan# 1728
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:196 Resp: 135111

Ion	Ratio	Lower	Upper
196	100		
198	93.5	78.0	117.0
97	32.5	25.7	38.5
132	15.9	13.6	20.4

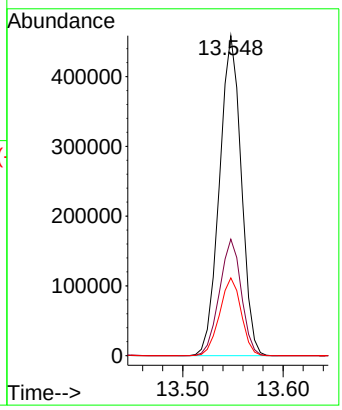




#45
2-Fluorobiphenyl
Concen: 82.670 ng
RT: 13.548 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:172 Resp: 69362

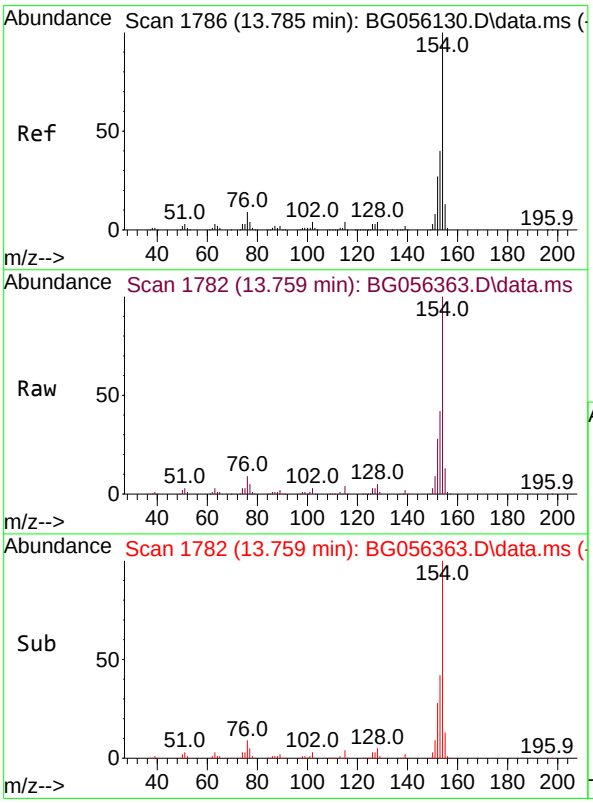
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.3	19.4	29.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

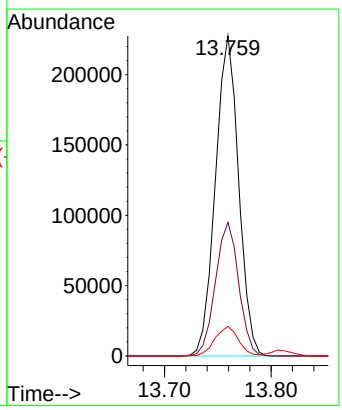
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

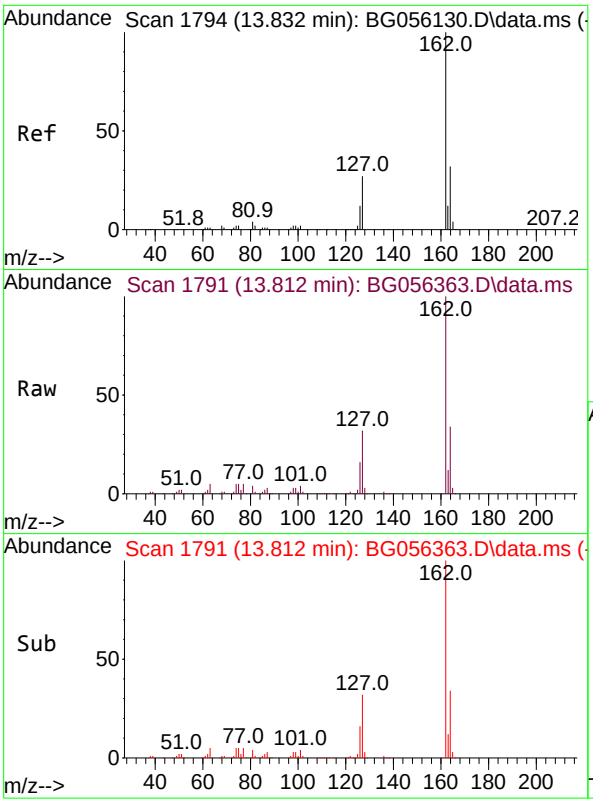


#46
1,1'-Biphenyl
Concen: 41.447 ng
RT: 13.759 min Scan# 1782
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:154 Resp: 343916

Ion	Ratio	Lower	Upper
154	100		
153	41.7	20.0	60.0
76	9.2	0.0	29.3

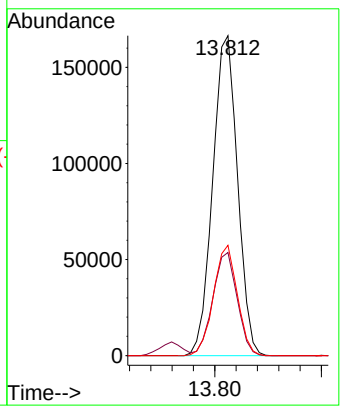




#47
2-Chloronaphthalene
Concen: 41.151 ng
RT: 13.812 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:162 Resp: 26952

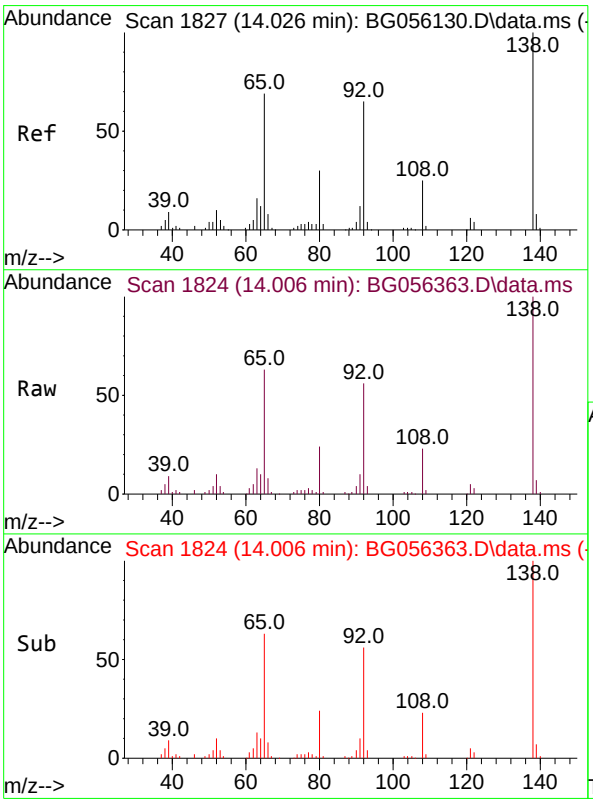
Ion	Ratio	Lower	Upper
162	100		
127	32.2	24.6	36.8
164	34.5	25.8	38.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

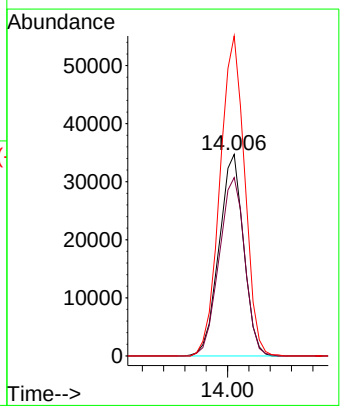
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

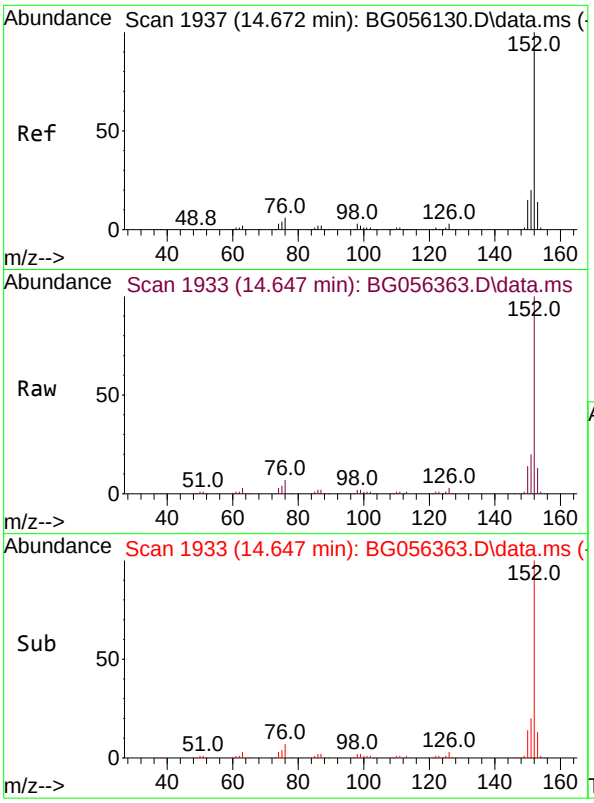


#48
2-Nitroaniline
Concen: 39.758 ng
RT: 14.006 min Scan# 1824
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 65 Resp: 55480

Ion	Ratio	Lower	Upper
65	100		
92	88.5	76.0	114.0
138	158.8	116.6	174.8

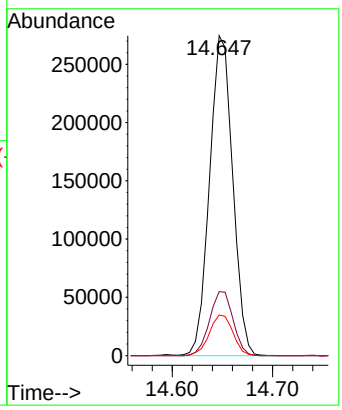




#49
Acenaphthylene
Concen: 41.336 ng
RT: 14.647 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:152 Resp: 44056

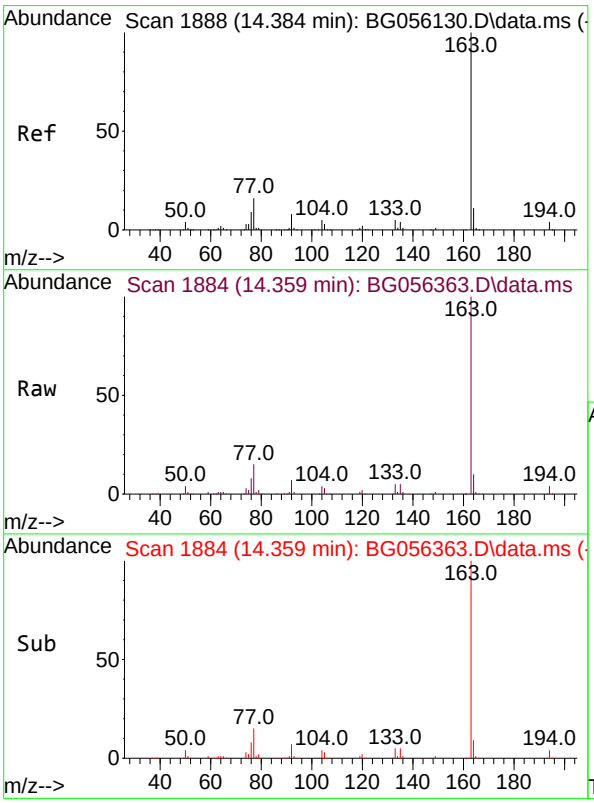
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	12.7	11.0	16.6



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

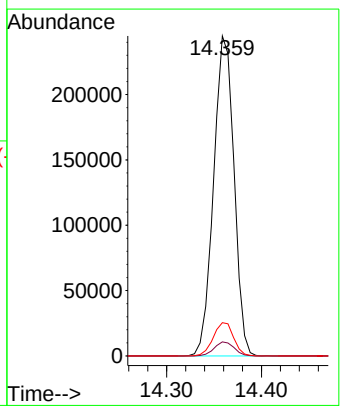
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

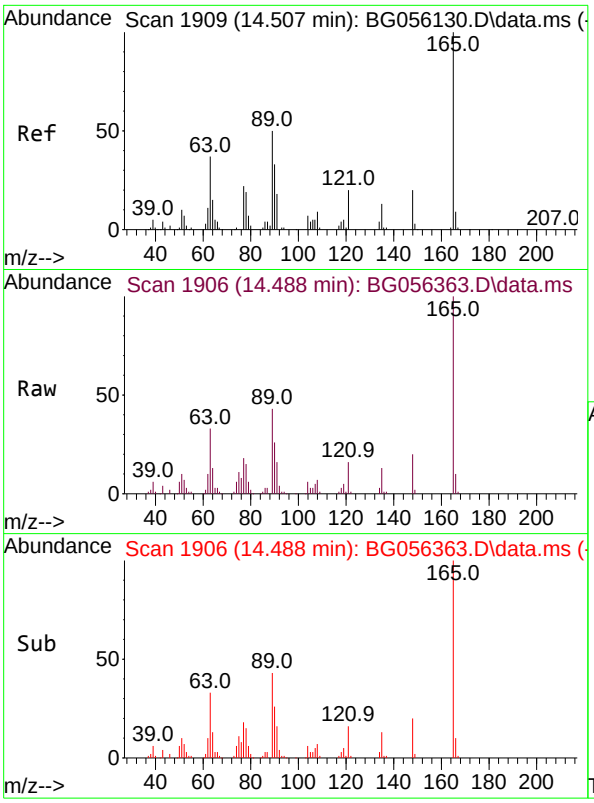


#50
Dimethylphthalate
Concen: 39.158 ng
RT: 14.359 min Scan# 1884
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:163 Resp: 366246

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.4	8.7	13.1

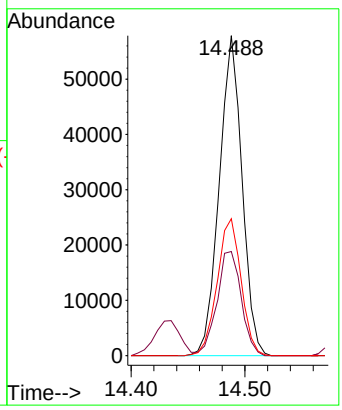




#51
2,6-Dinitrotoluene
Concen: 40.433 ng
RT: 14.488 min Scan# 19
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:165 Resp: 8058

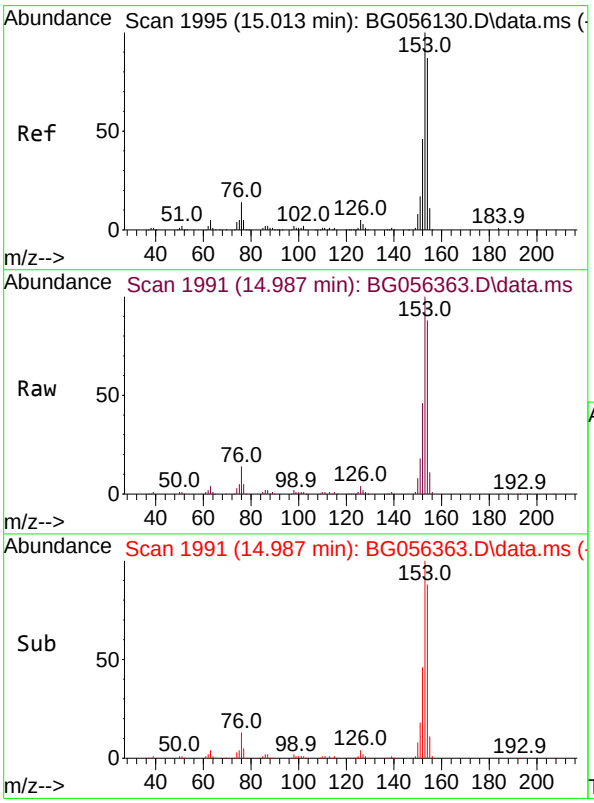
Ion	Ratio	Lower	Upper
165	100		
63	32.5	32.2	48.2
89	42.8	39.8	59.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

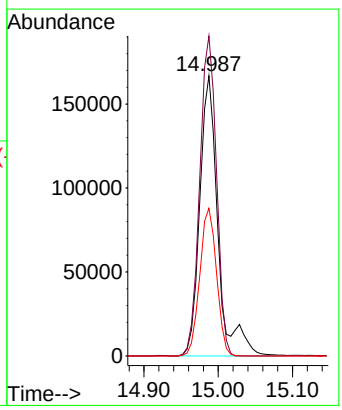
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

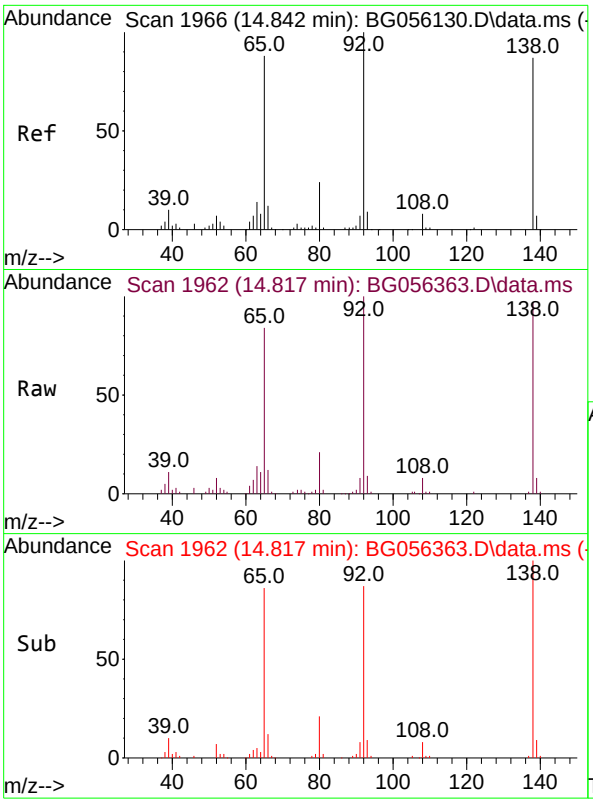


#52
Acenaphthene
Concen: 41.033 ng m
RT: 14.987 min Scan# 1991
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:154 Resp: 284435

Ion	Ratio	Lower	Upper
154	100		
153	114.3	92.0	138.0
152	52.7	42.5	63.7





#53
3-Nitroaniline
Concen: 41.582 ng
RT: 14.817 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

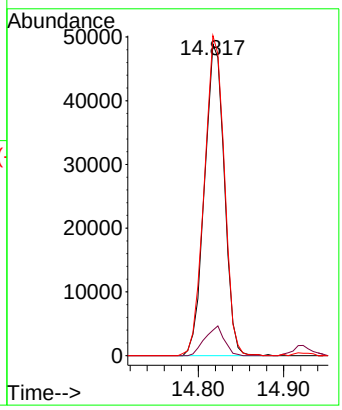
Tgt Ion:138 Resp: 7887

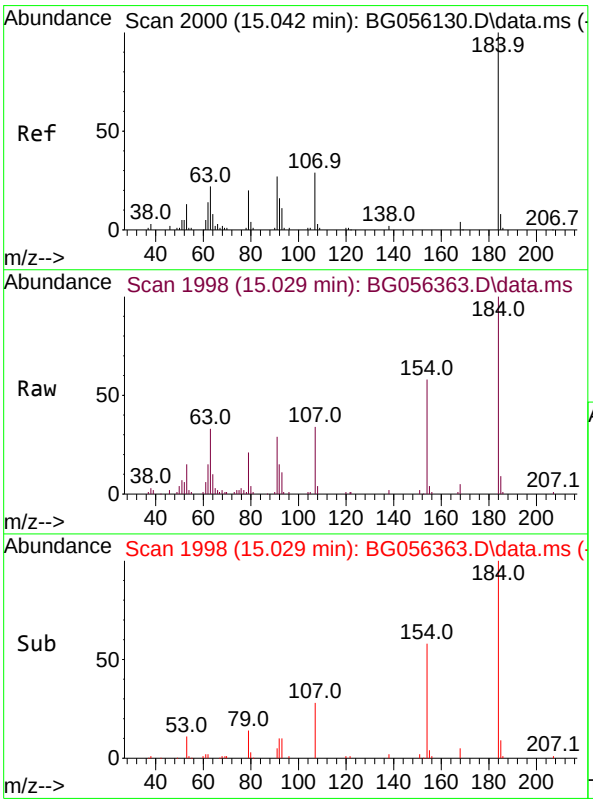
Ion	Ratio	Lower	Upper
138	100		
108	8.2	7.6	11.4
92	102.7	91.7	137.5

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

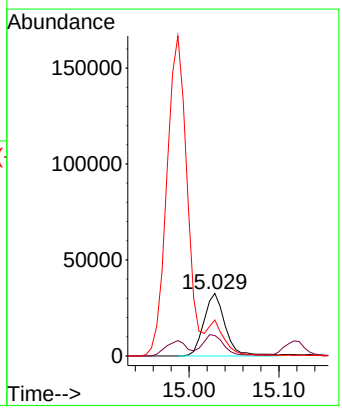


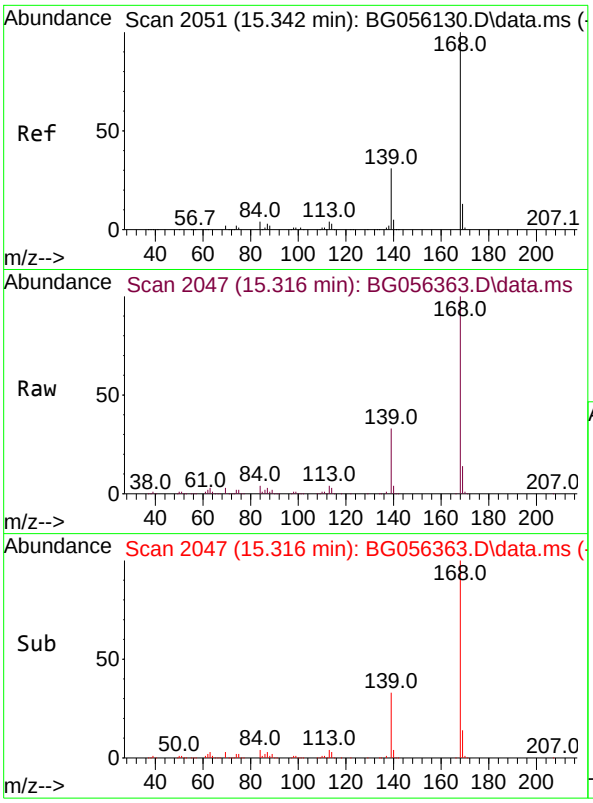


#54
2,4-Dinitrophenol
Concen: 37.636 ng
RT: 15.029 min Scan# 1998
Delta R.T. 0.007 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:184 Resp: 53585

Ion	Ratio	Lower	Upper
184	100		
63	32.8	24.0	36.0
154	57.7	45.4	68.0

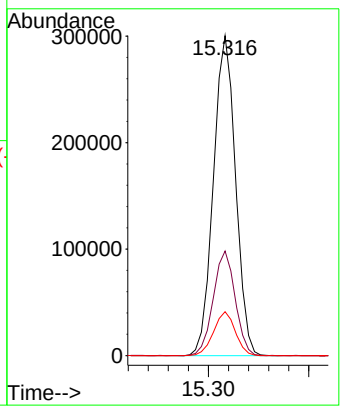




#55
Dibenzofuran
Concen: 40.184 ng
RT: 15.316 min Scan# 20
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:168 Resp: 460951

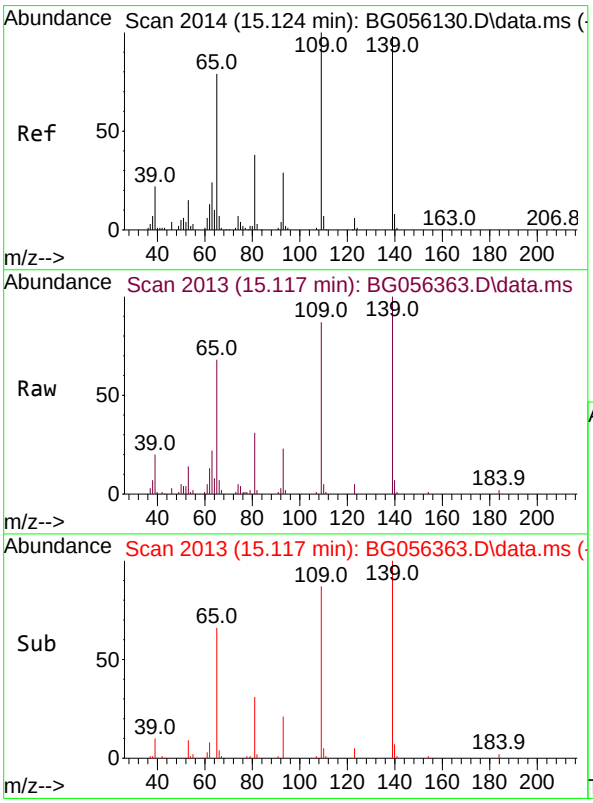
Ion	Ratio	Lower	Upper
168	100		
139	32.7	24.7	37.1
169	13.7	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

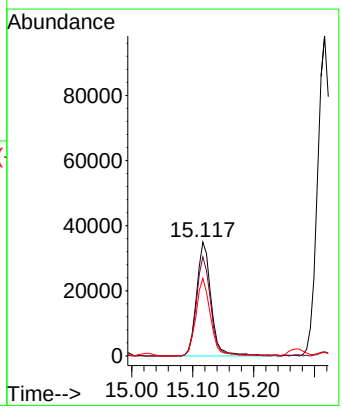
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

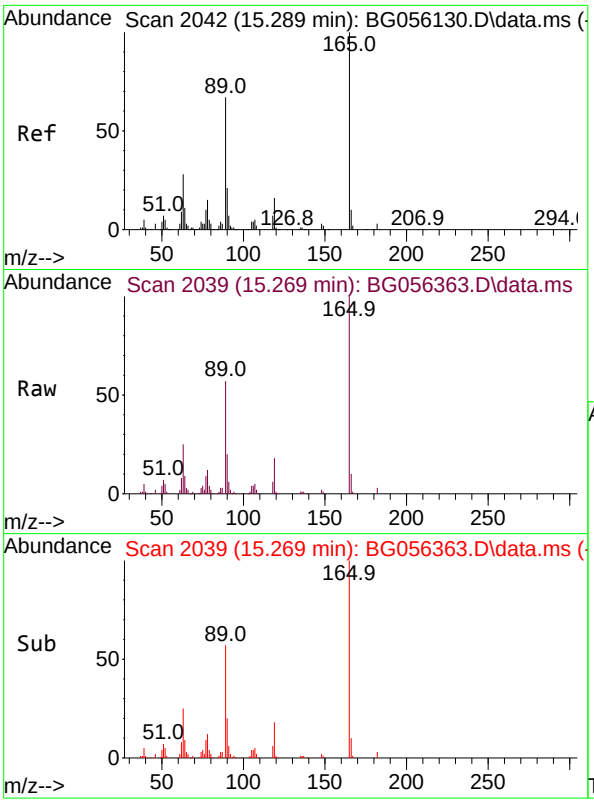


#56
4-Nitrophenol
Concen: 39.523 ng
RT: 15.117 min Scan# 2013
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:139 Resp: 57655

Ion	Ratio	Lower	Upper
139	100		
109	87.1	82.2	122.2
65	68.2	60.6	100.6

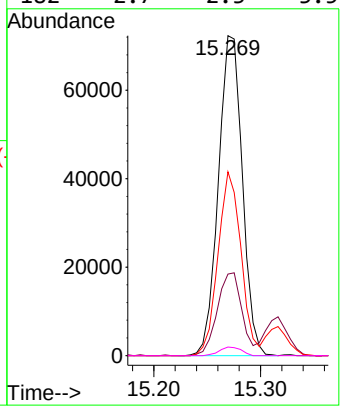




#57
2,4-Dinitrotoluene
Concen: 40.616 ng
RT: 15.269 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:165 Resp: 11320

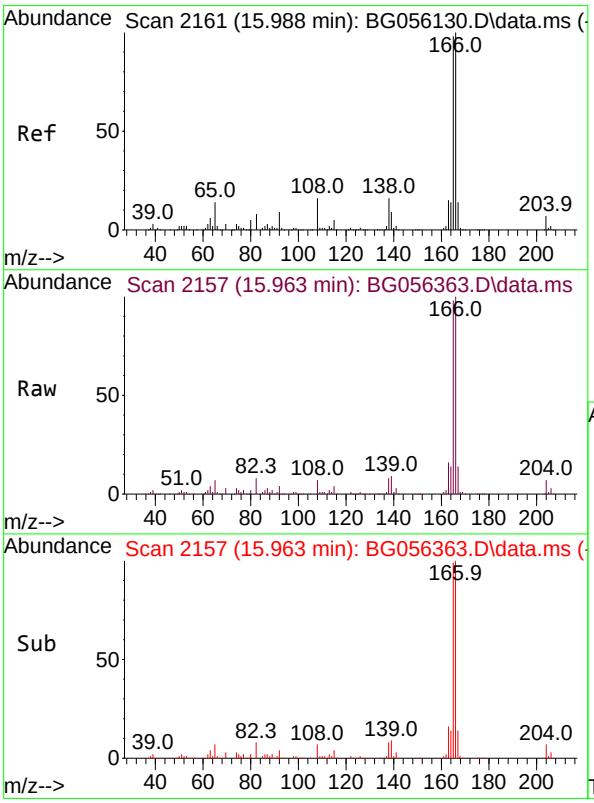
Ion	Ratio	Lower	Upper
165	100		
63	25.5	22.6	34.0
89	57.4	53.2	79.8
182	2.7	2.3	3.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

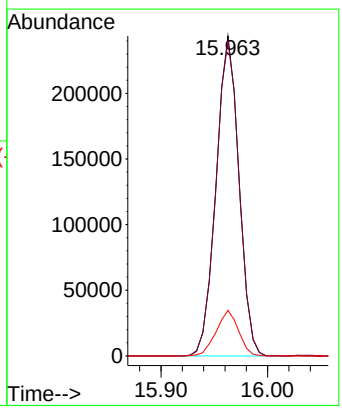
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

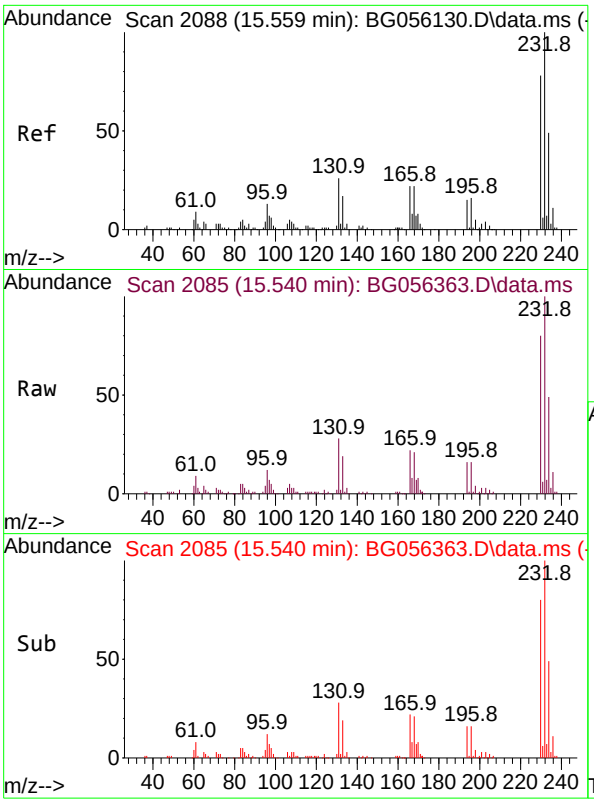


#58
Fluorene
Concen: 39.364 ng
RT: 15.963 min Scan# 2157
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:166 Resp: 363190

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.6	118.0
167	14.2	11.1	16.7

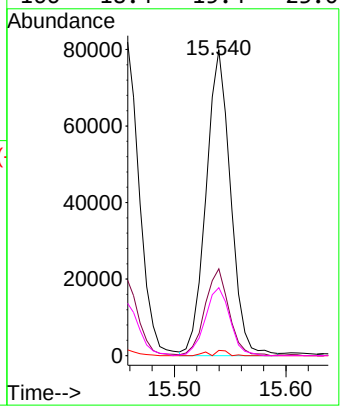




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.235 ng m
RT: 15.540 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:232 Resp: 12194

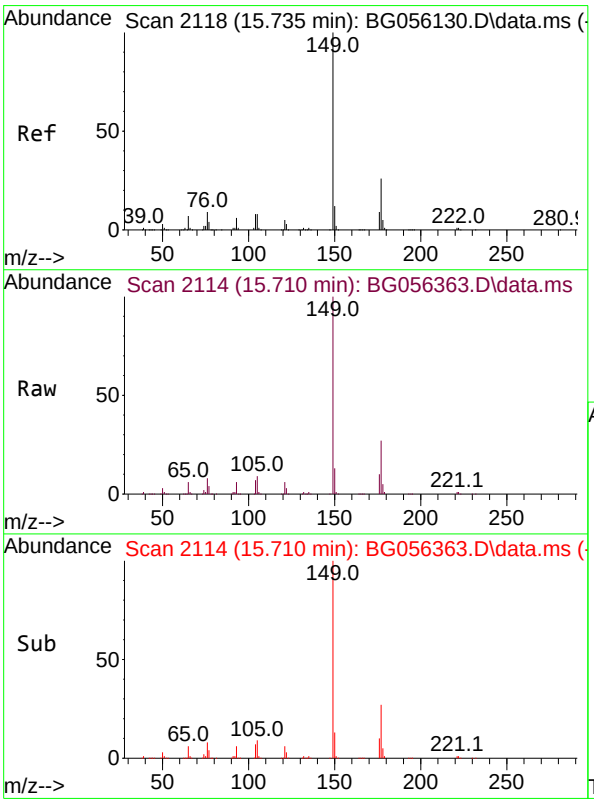
Ion	Ratio	Lower	Upper
232	100		
131	25.6	21.4	32.2
130	1.7	1.4	2.0
166	18.4	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

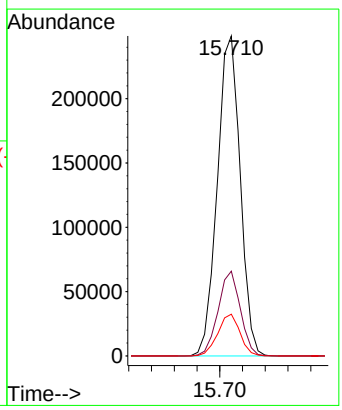
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

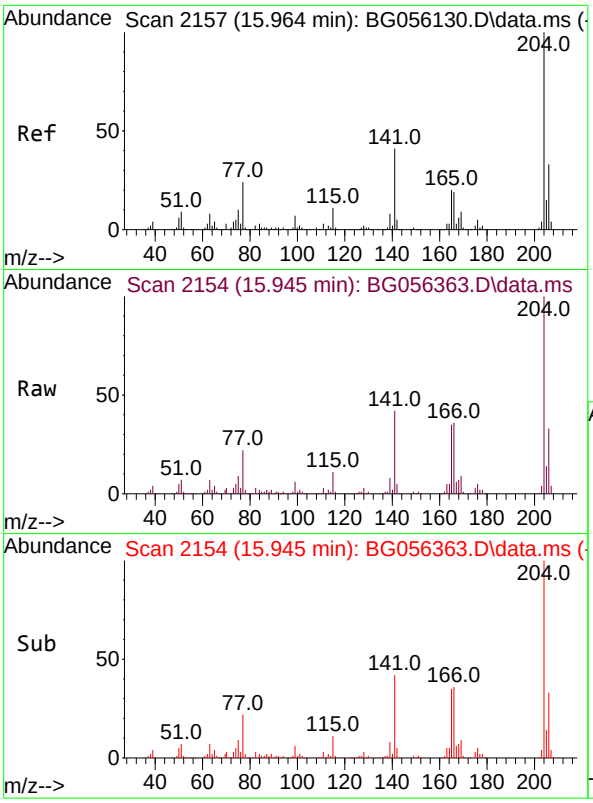


#60
Diethylphthalate
Concen: 39.612 ng
RT: 15.710 min Scan# 2114
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:149 Resp: 347451

Ion	Ratio	Lower	Upper
149	100		
177	26.5	20.6	31.0
150	13.0	9.9	14.9

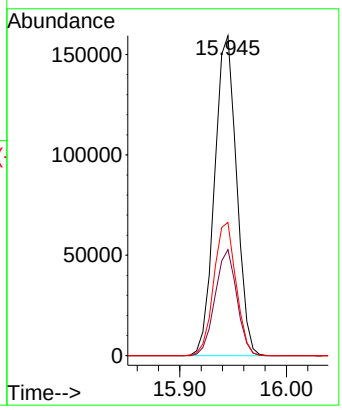




#61
4-Chlorophenyl-phenylether
Concen: 39.687 ng
RT: 15.945 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:204 Resp: 22851

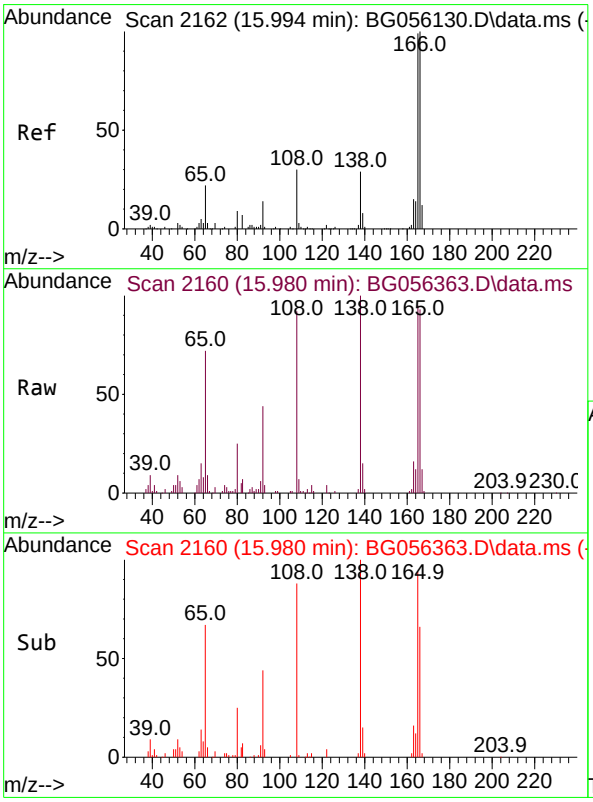
Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.4	39.6
141	41.6	33.0	49.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

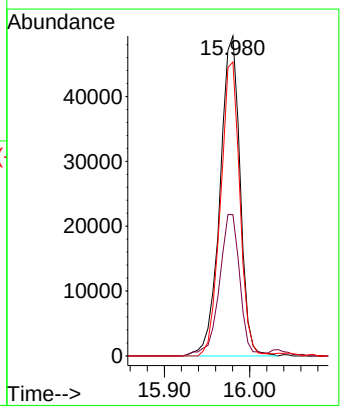
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

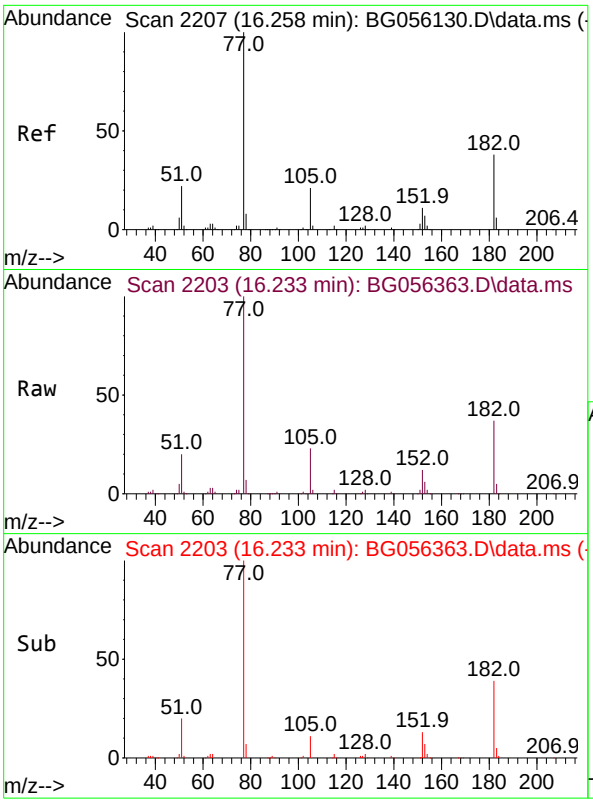


#62
4-Nitroaniline
Concen: 41.435 ng
RT: 15.980 min Scan# 2160
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:138 Resp: 80503

Ion	Ratio	Lower	Upper
138	100		
92	44.1	28.6	68.6
108	91.8	83.4	123.4

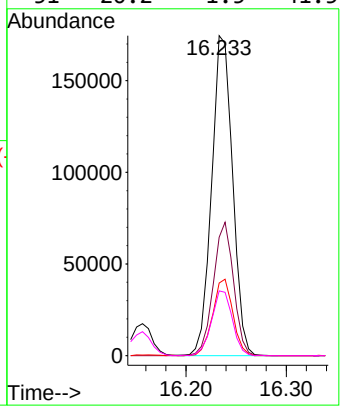




#63
Azobenzene
Concen: 37.458 ng
RT: 16.233 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion: 77 Resp: 25354

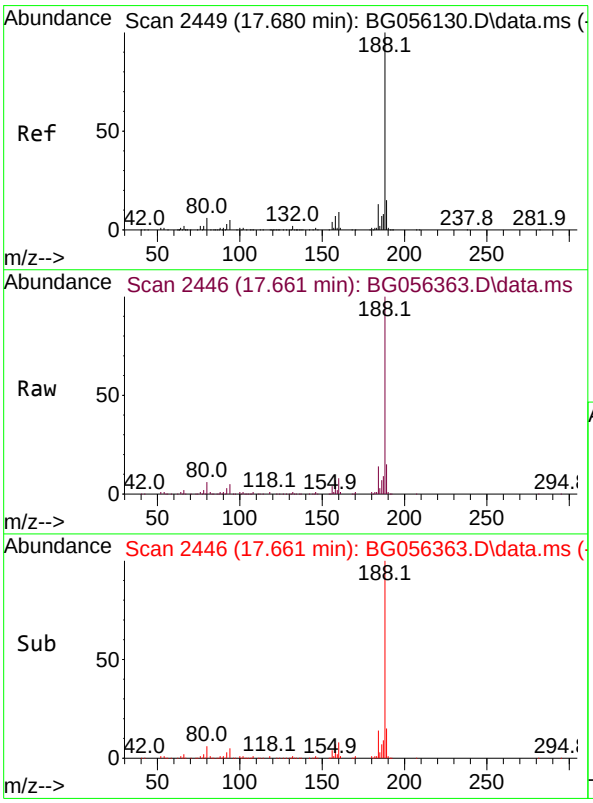
Ion	Ratio	Lower	Upper
77	100		
182	37.0	18.5	58.5
105	22.7	1.4	41.4
51	20.2	1.5	41.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

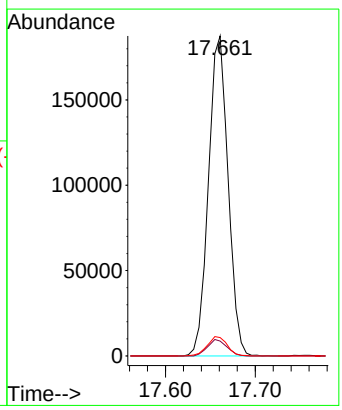
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

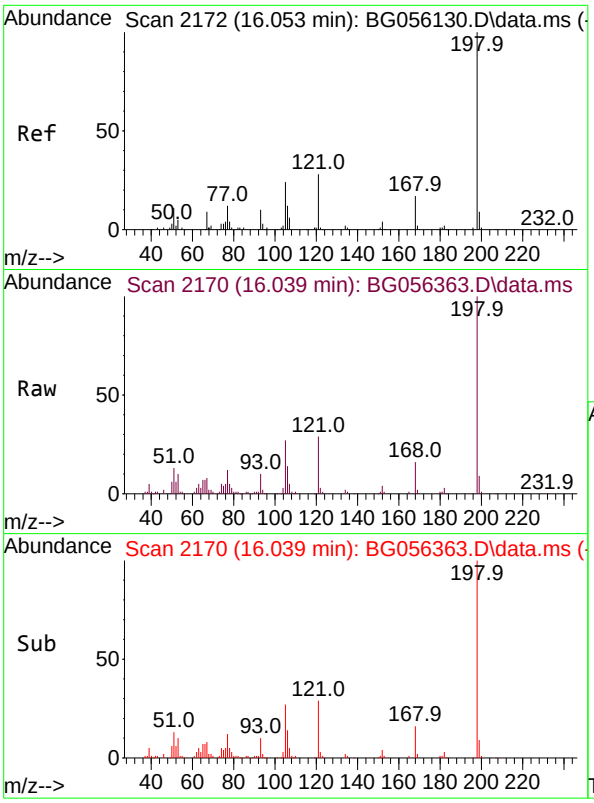


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.661 min Scan# 2446
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:188 Resp: 283626

Ion	Ratio	Lower	Upper
188	100		
94	4.6	4.2	6.2
80	5.7	5.0	7.4





#65
4,6-Dinitro-2-methylphenol
Concen: 43.160 ng
RT: 16.039 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

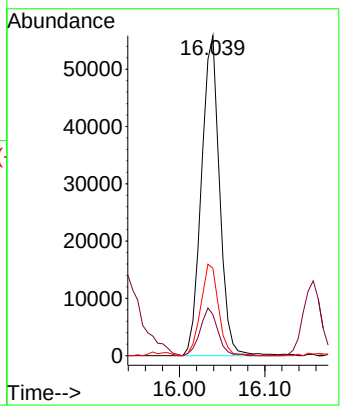
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

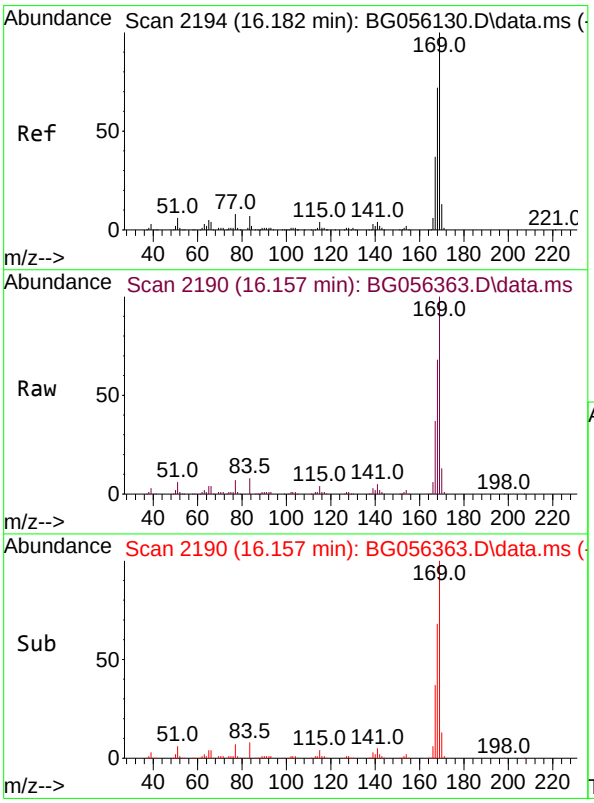
Tgt Ion:198 Resp: 8247

Ion	Ratio	Lower	Upper
198	100		
51	12.8	0.0	33.2
105	27.3	4.9	44.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

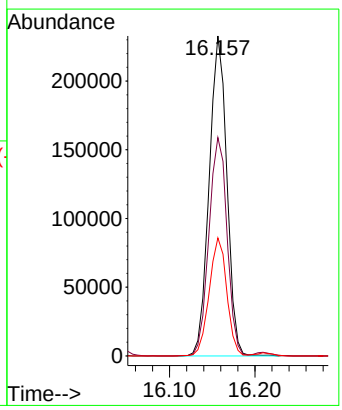


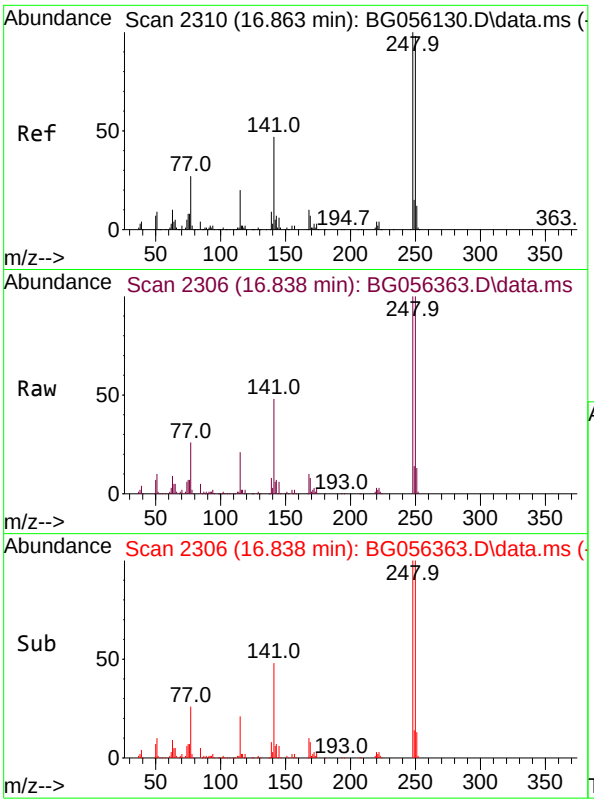


#66
n-Nitrosodiphenylamine
Concen: 42.566 ng
RT: 16.157 min Scan# 2190
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:169 Resp: 334965

Ion	Ratio	Lower	Upper
169	100		
168	68.2	58.0	87.0
167	36.9	30.0	45.0

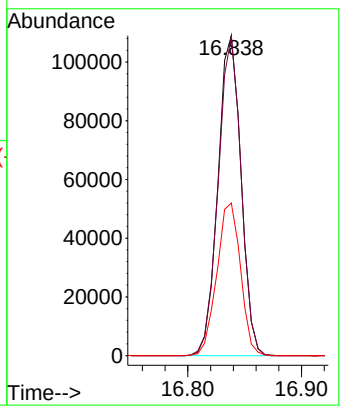




#67
4-Bromophenyl-phenylether
Concen: 42.353 ng
RT: 16.838 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:248 Resp: 15296

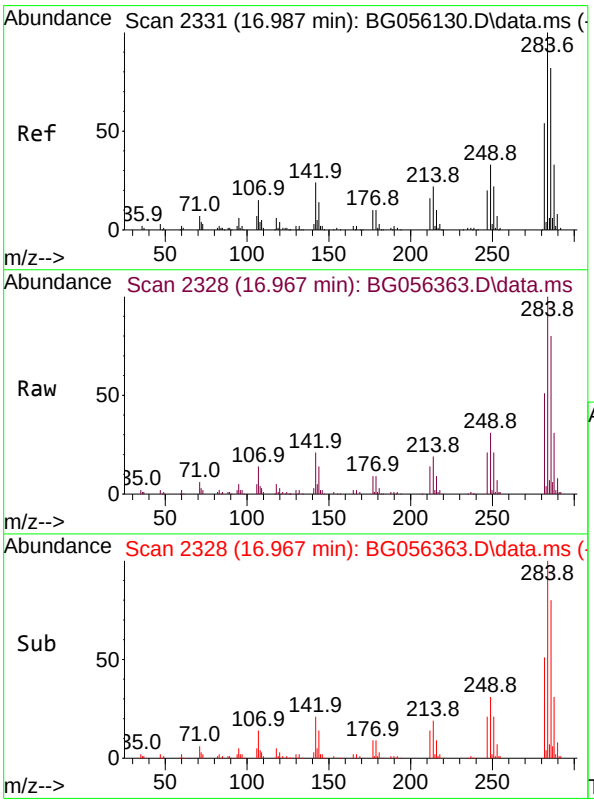
Ion	Ratio	Lower	Upper
248	100		
250	99.9	78.2	117.4
141	47.7	37.6	56.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

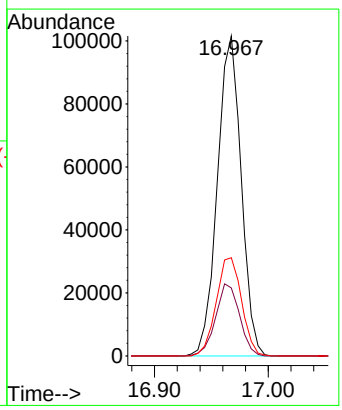
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

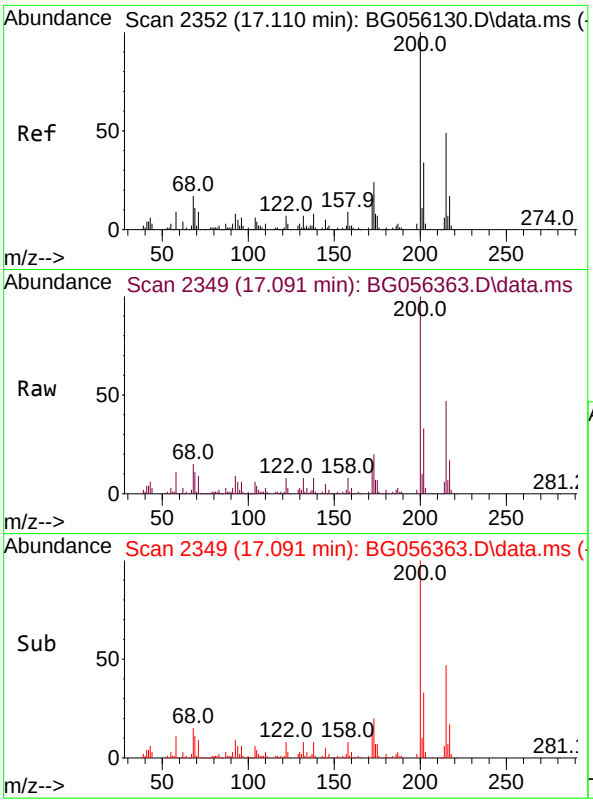


#68
Hexachlorobenzene
Concen: 43.853 ng
RT: 16.967 min Scan# 2328
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:284 Resp: 147769

Ion	Ratio	Lower	Upper
284	100		
142	21.2	19.0	28.6
249	32.6	26.6	39.8

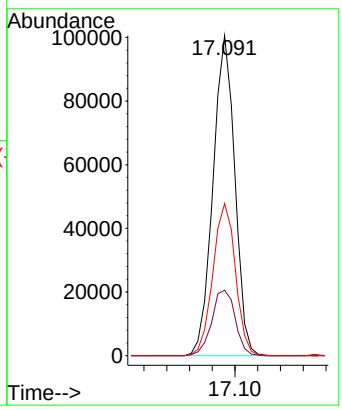




#69
Atrazine
Concen: 41.075 ng
RT: 17.091 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:200 Resp: 13395

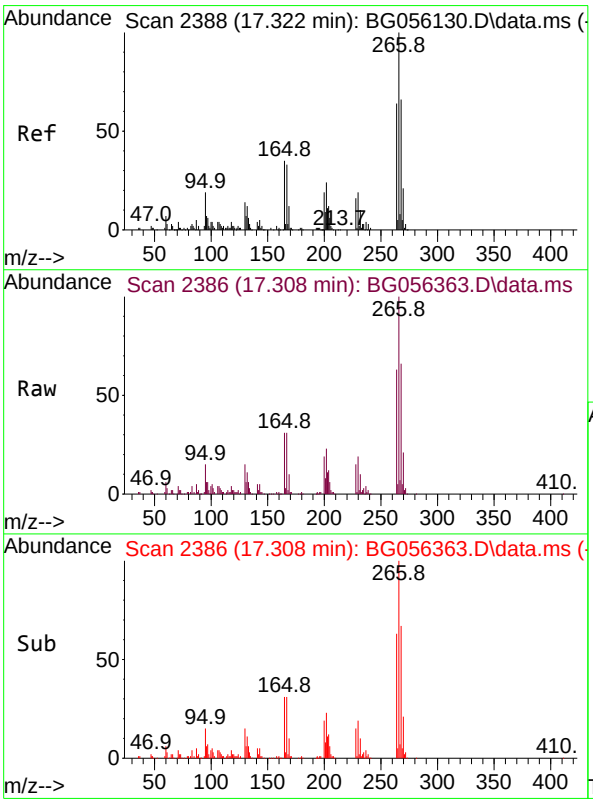
Ion	Ratio	Lower	Upper
200	100		
173	20.4	4.0	44.0
215	47.5	29.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

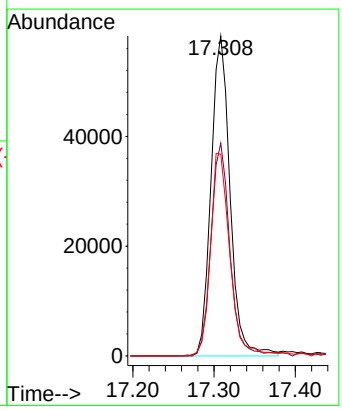
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

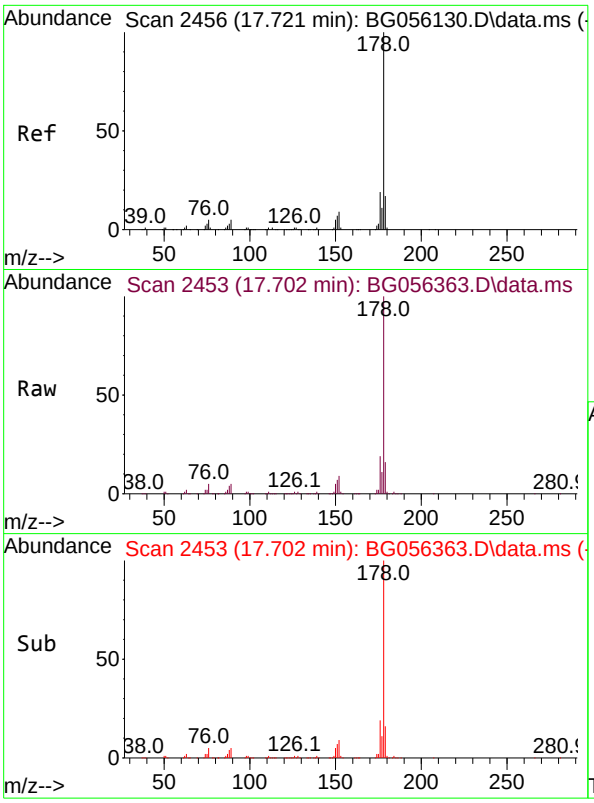


#70
Pentachlorophenol
Concen: 36.652 ng
RT: 17.308 min Scan# 2386
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:266 Resp: 94871

Ion	Ratio	Lower	Upper
266	100		
268	66.5	53.0	79.4
264	63.0	51.4	77.2

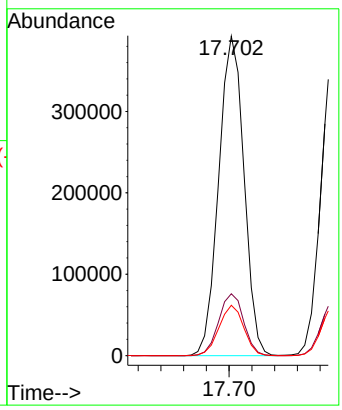




#71
Phenanthrene
Concen: 41.224 ng
RT: 17.702 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:178 Resp: 60592

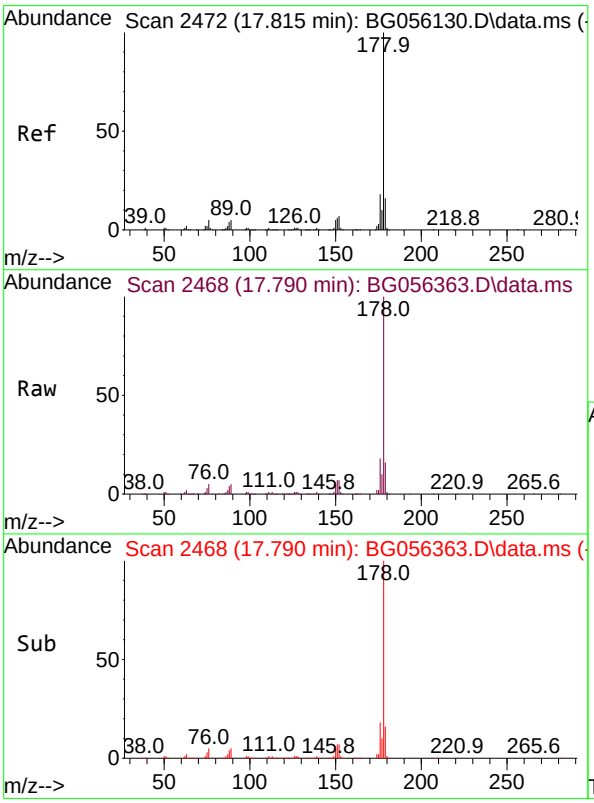
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.7	13.6	20.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

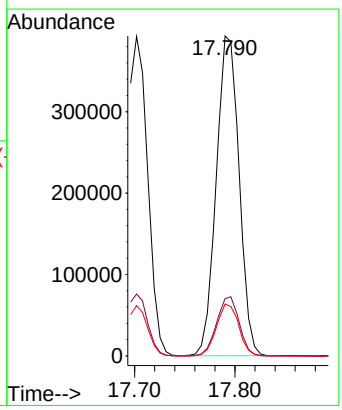
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

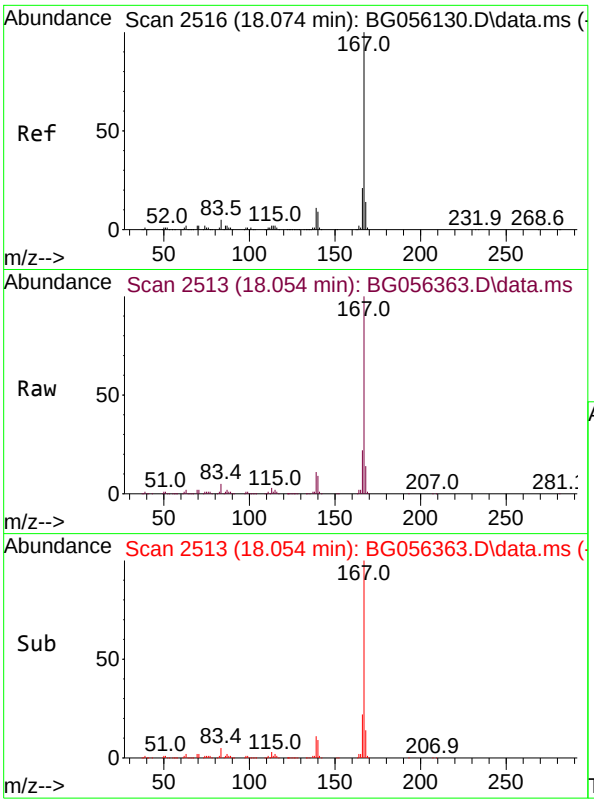


#72
Anthracene
Concen: 41.114 ng
RT: 17.790 min Scan# 2468
Delta R.T. -0.005 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:178 Resp: 623391

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	22.0
179	16.2	12.7	19.1





#73
Carbazole
Concen: 40.953 ng
RT: 18.054 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

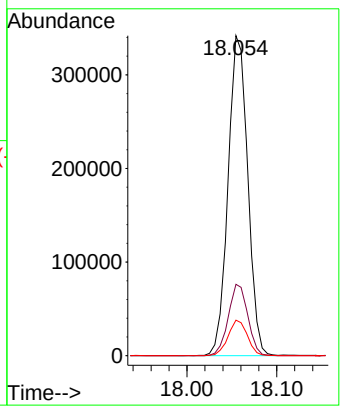
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

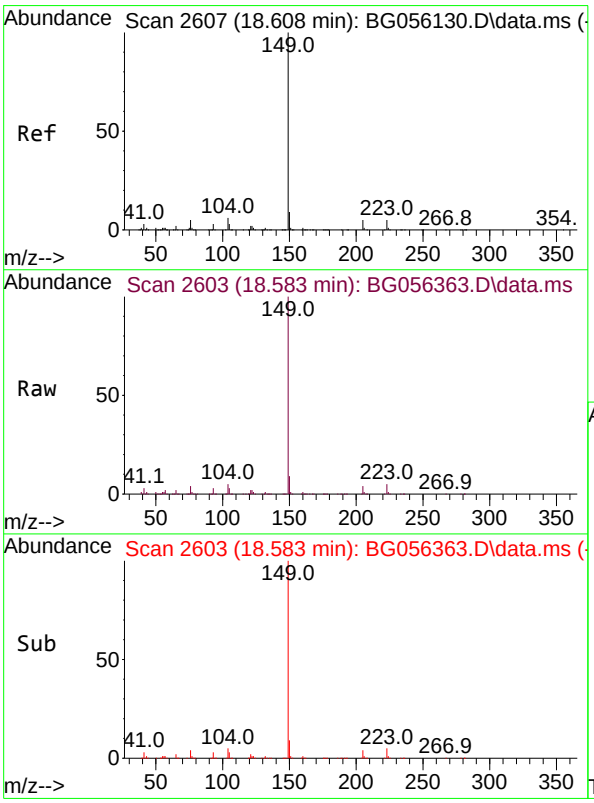
Tgt Ion:167 Resp: 52195

Ion	Ratio	Lower	Upper
167	100		
166	22.3	16.8	25.2
139	11.1	8.9	13.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

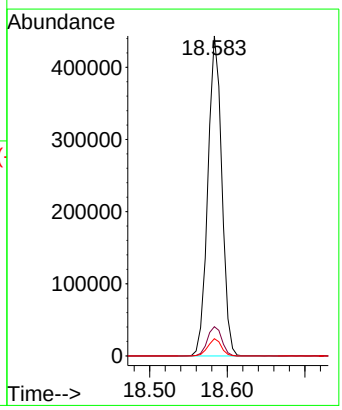


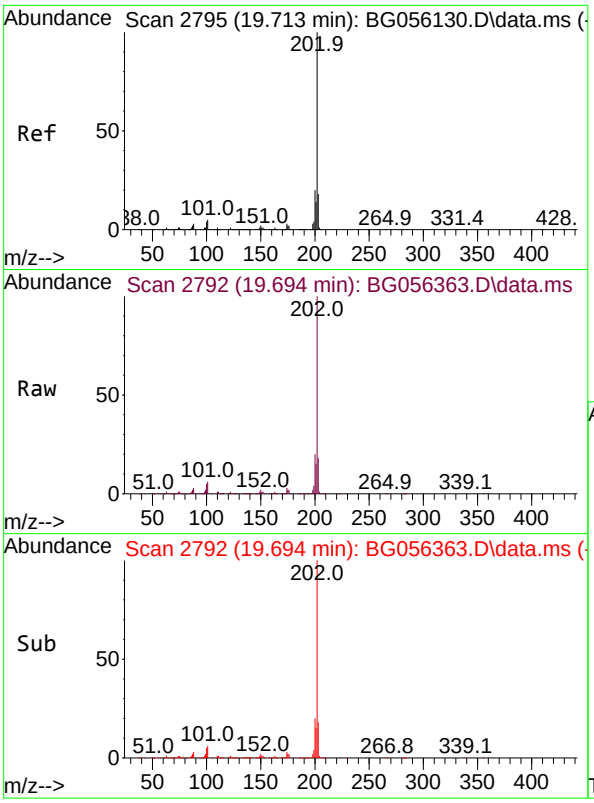


#74
Di-n-butylphthalate
Concen: 43.425 ng
RT: 18.583 min Scan# 2603
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:149 Resp: 551714

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.4	4.4	6.6





#75
Fluoranthene
Concen: 39.192 ng
RT: 19.694 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

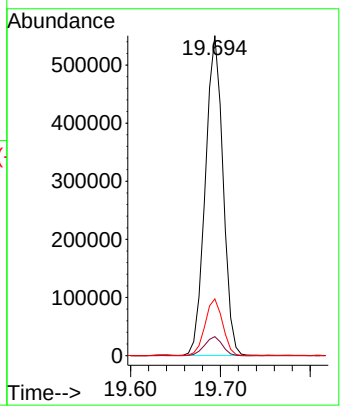
Tgt Ion:202 Resp: 751419

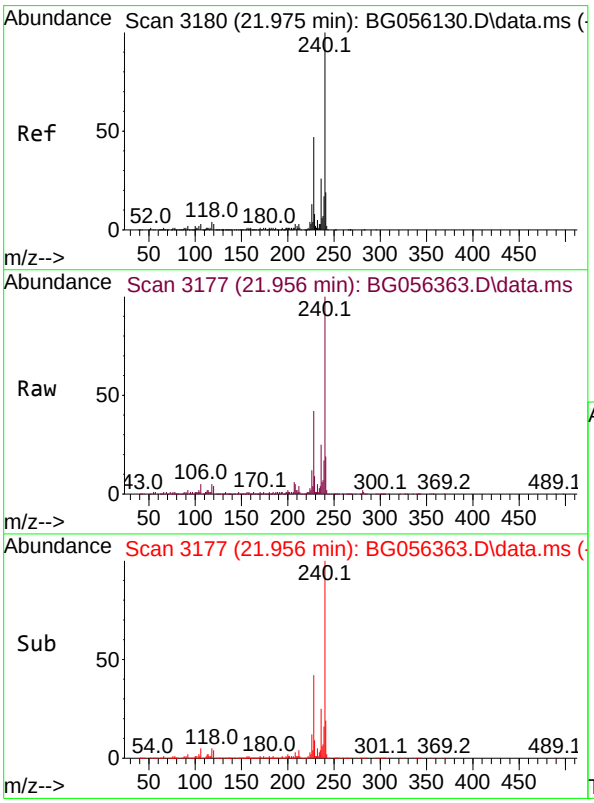
Ion	Ratio	Lower	Upper
202	100		
101	5.9	0.0	25.0
203	17.7	0.0	38.0

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

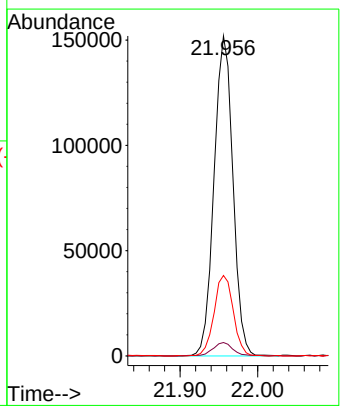


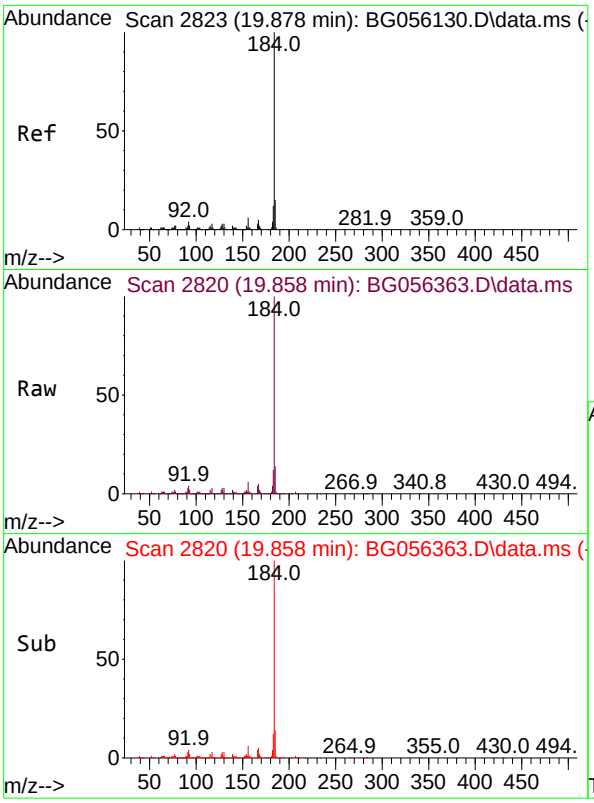


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.956 min Scan# 3177
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:240 Resp: 257188

Ion	Ratio	Lower	Upper
240	100		
120	4.2	2.6	4.0#
236	25.1	20.8	31.2

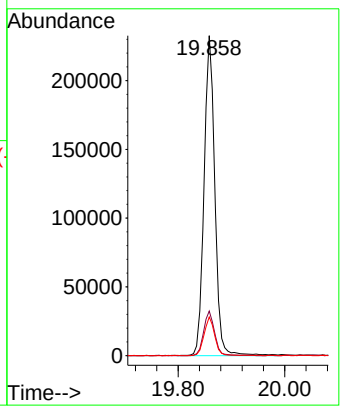




#77
Benzidine
Concen: 36.139 ng
RT: 19.858 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:184 Resp: 32572

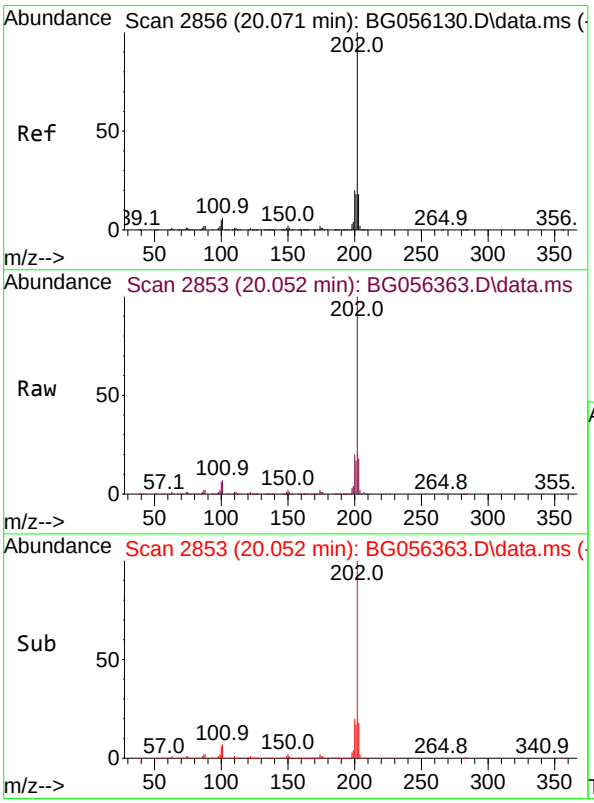
Ion	Ratio	Lower	Upper
184	100		
185	13.9	12.2	18.2
183	12.1	9.4	14.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

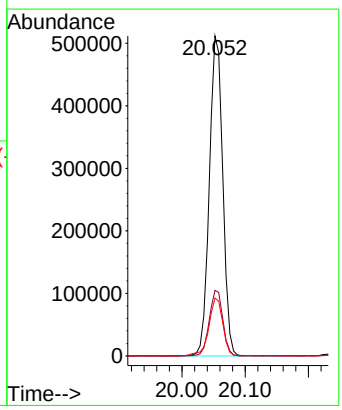
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

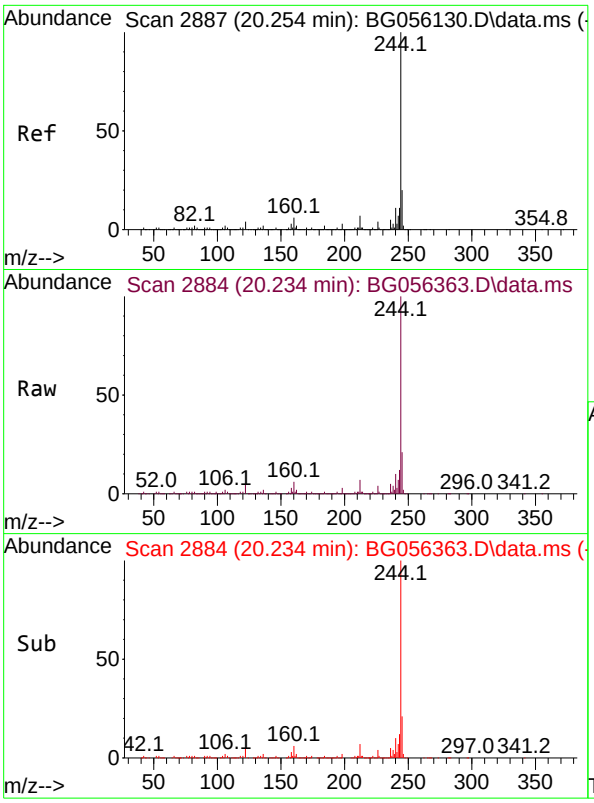


#78
Pyrene
Concen: 41.689 ng
RT: 20.052 min Scan# 2853
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:202 Resp: 755725

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	18.1	14.3	21.5

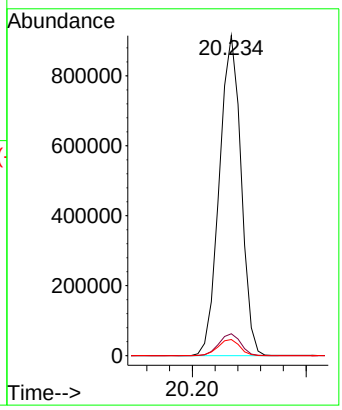




#79
Terphenyl-d14
Concen: 84.615 ng
RT: 20.234 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:244 Resp: 121503

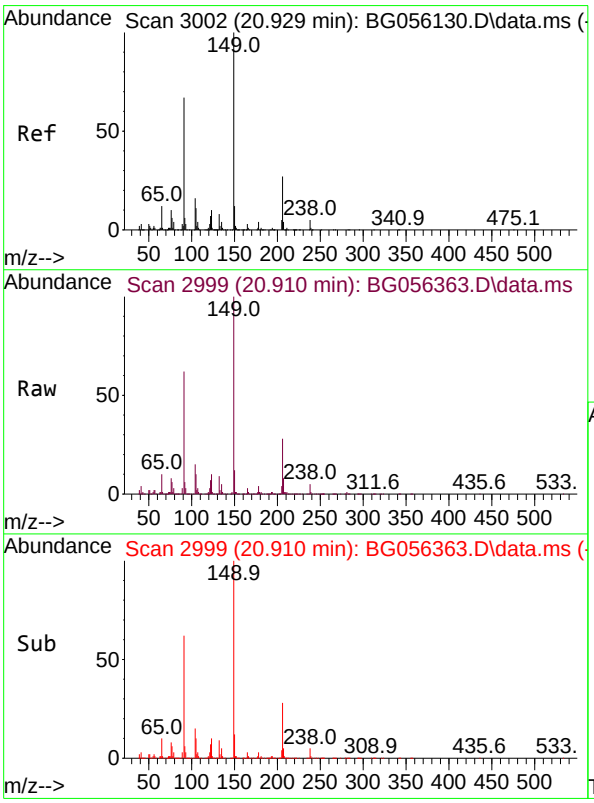
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	5.0	3.5	5.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

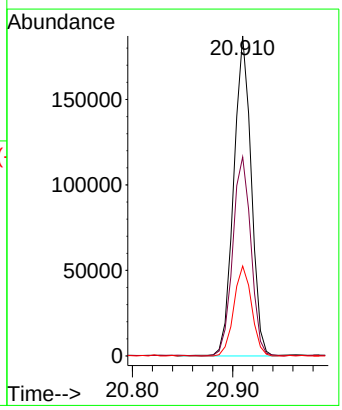
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

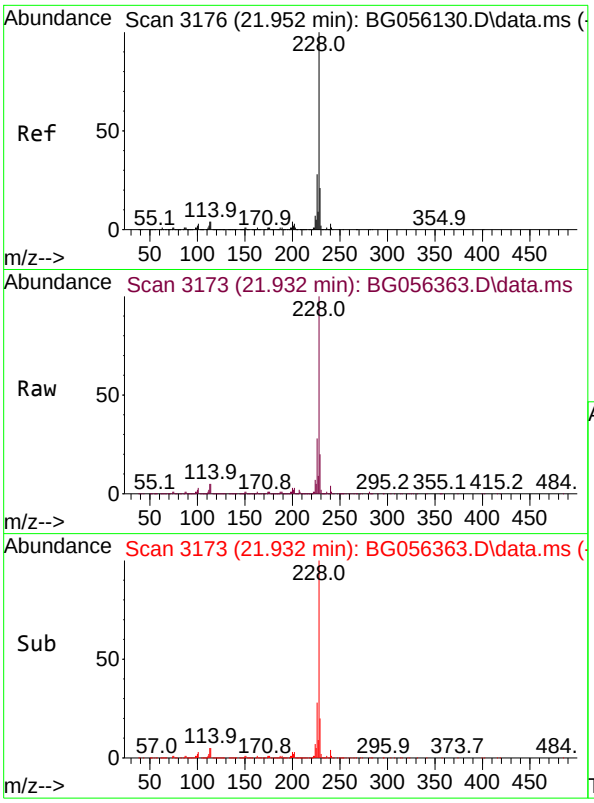


#80
Butylbenzylphthalate
Concen: 43.589 ng
RT: 20.910 min Scan# 2999
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:149 Resp: 226695

Ion	Ratio	Lower	Upper
149	100		
91	62.2	53.5	80.3
206	28.1	21.9	32.9

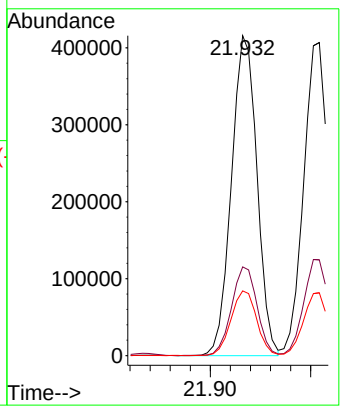




#81
Benzo(a)anthracene
Concen: 40.595 ng
RT: 21.932 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:228 Resp: 73331

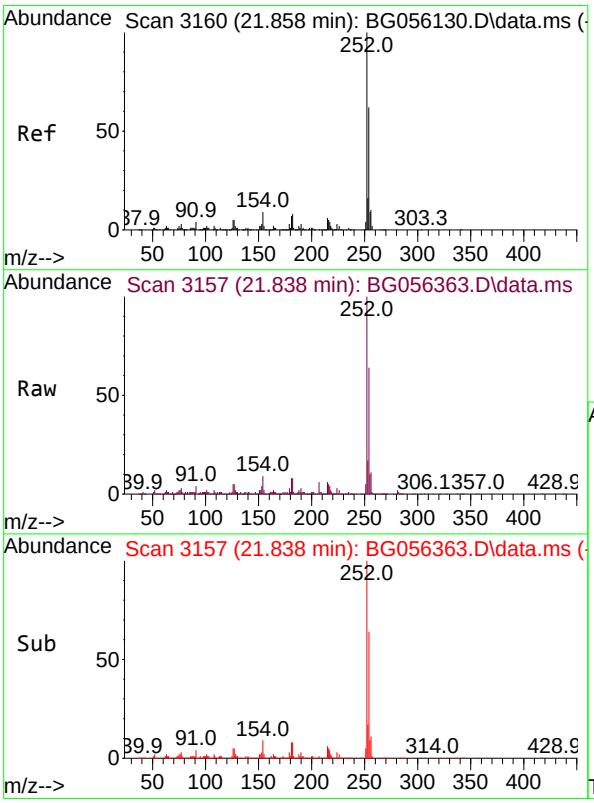
Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	34.0
229	20.2	16.9	25.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

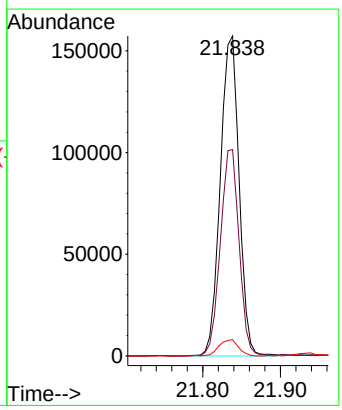
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

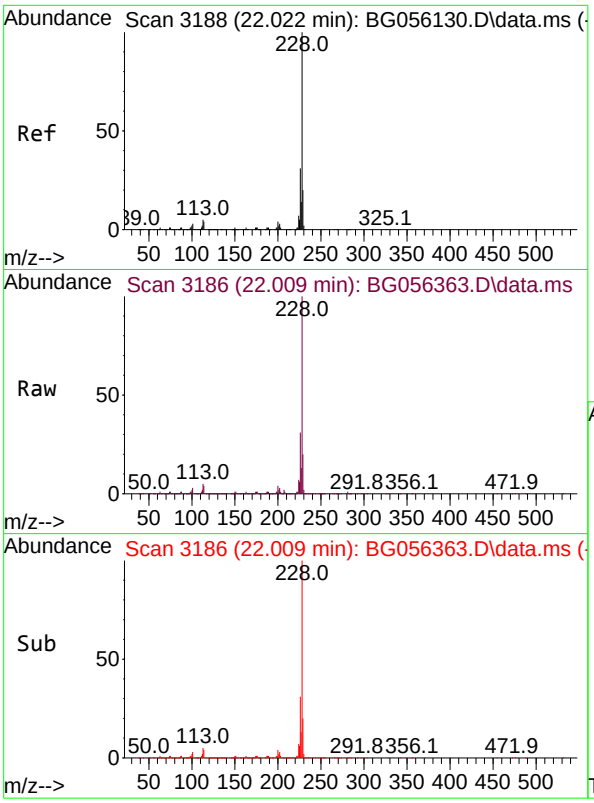


#82
3,3'-Dichlorobenzidine
Concen: 40.770 ng
RT: 21.838 min Scan# 3157
Delta R.T. 0.007 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:252 Resp: 265114

Ion	Ratio	Lower	Upper
252	100		
254	64.4	49.5	74.3
126	5.1	4.0	6.0

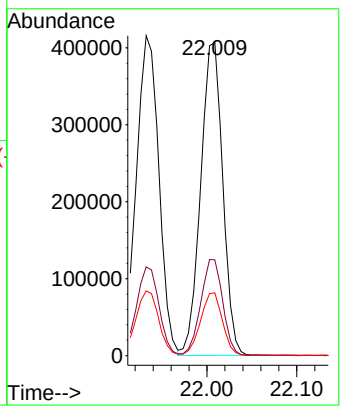




#83
Chrysene
Concen: 41.258 ng
RT: 22.009 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:228 Resp: 69811

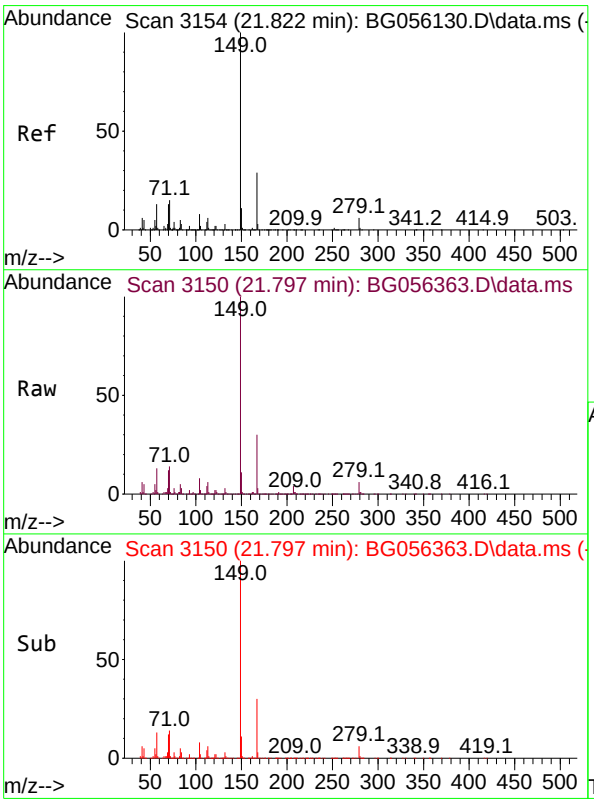
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	36.8
229	20.0	15.8	23.6



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

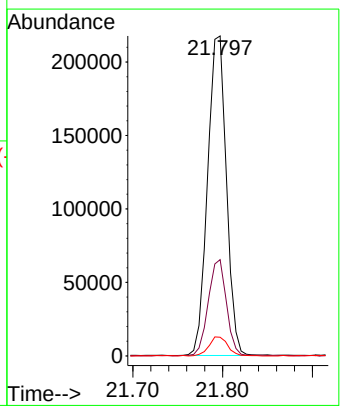
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

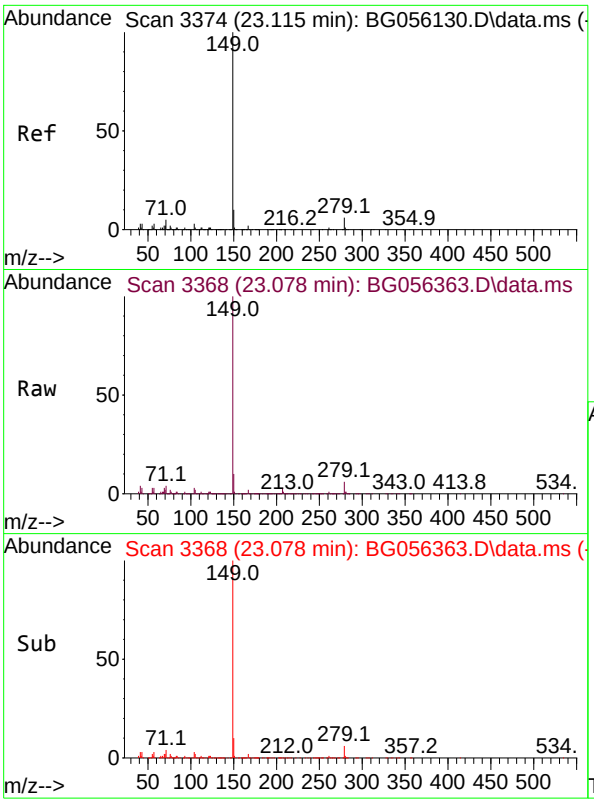


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.265 ng
RT: 21.797 min Scan# 3150
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:149 Resp: 316681

Ion	Ratio	Lower	Upper
149	100		
167	30.1	23.4	35.2
279	5.8	4.7	7.1

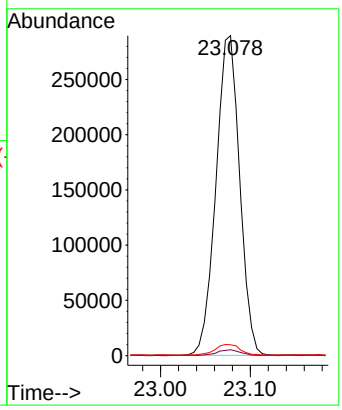




#85
Di-n-octyl phthalate
Concen: 42.117 ng
RT: 23.078 min Scan# 3
Delta R.T. 0.007 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:149 Resp: 532746

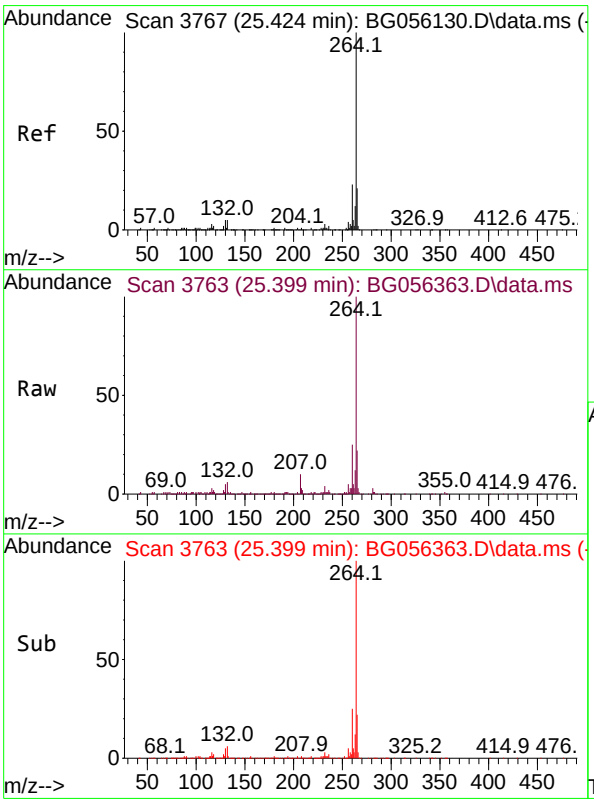
Ion	Ratio	Lower	Upper
149	100		
167	1.9	1.4	2.2
43	3.6	2.9	4.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

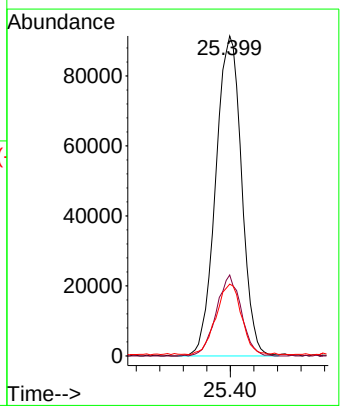
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

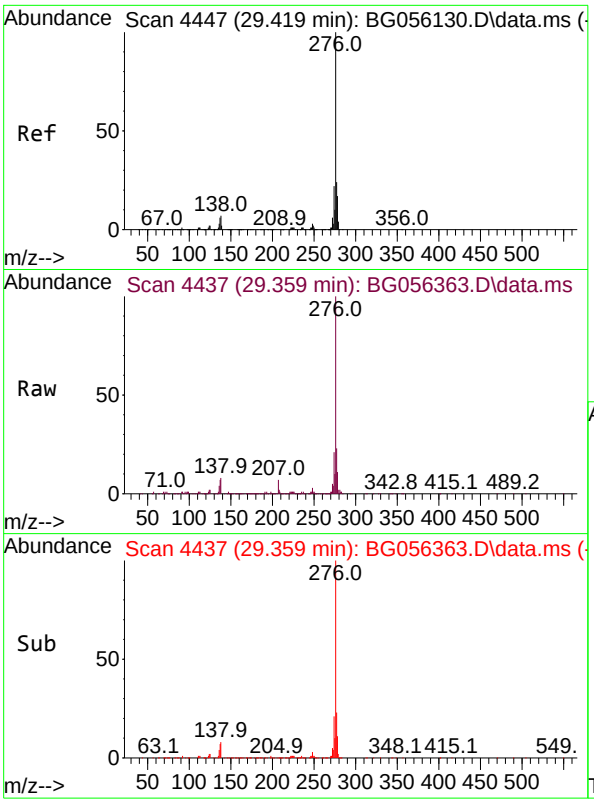


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.399 min Scan# 3763
Delta R.T. 0.007 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:264 Resp: 278421

Ion	Ratio	Lower	Upper
264	100		
260	25.3	18.6	28.0
265	22.4	16.7	25.1

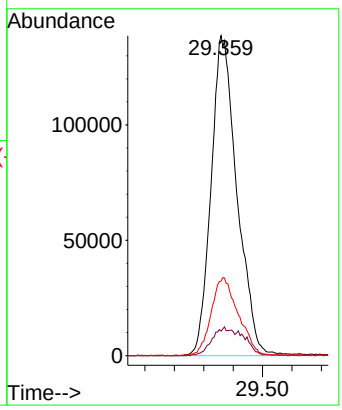




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.823 ng
RT: 29.359 min Scan# 44
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:276 Resp: 84685

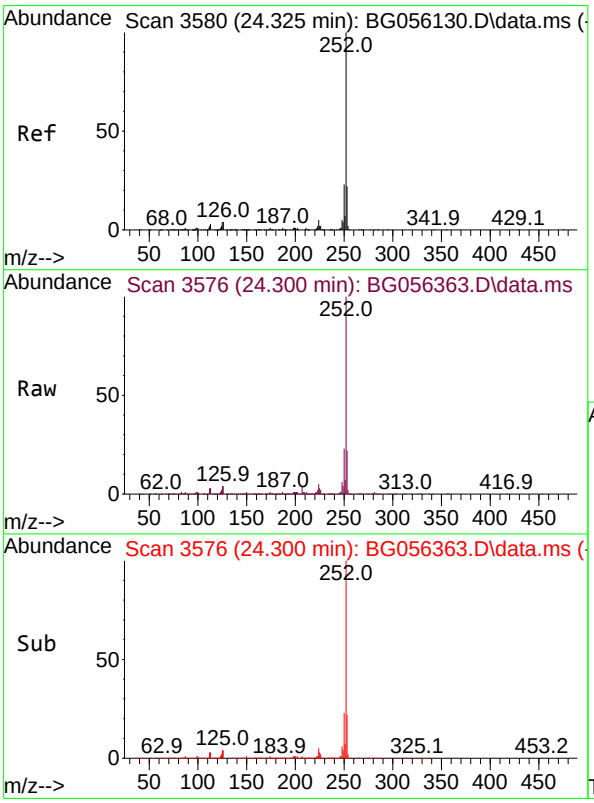
Ion	Ratio	Lower	Upper
276	100		
138	5.4	5.0	7.4
277	25.5	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

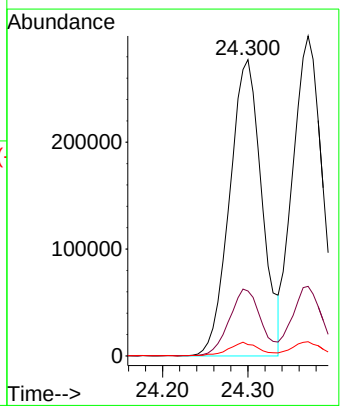
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

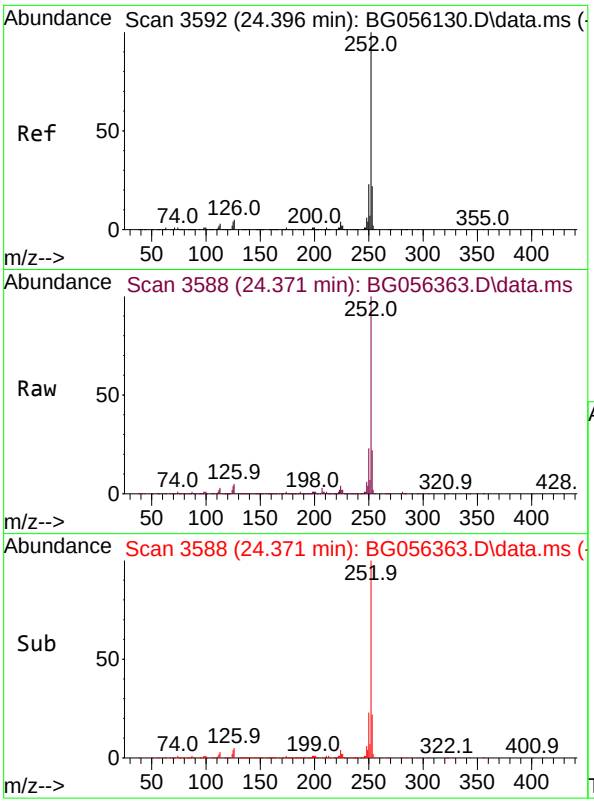


#88
Benzo(b)fluoranthene
Concen: 41.188 ng
RT: 24.300 min Scan# 3576
Delta R.T. 0.007 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:252 Resp: 728602

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	3.8	3.0	4.4

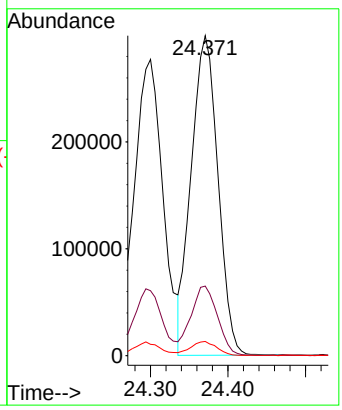




#89
Benzo(k)fluoranthene
Concen: 40.638 ng
RT: 24.371 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:252 Resp: 71586

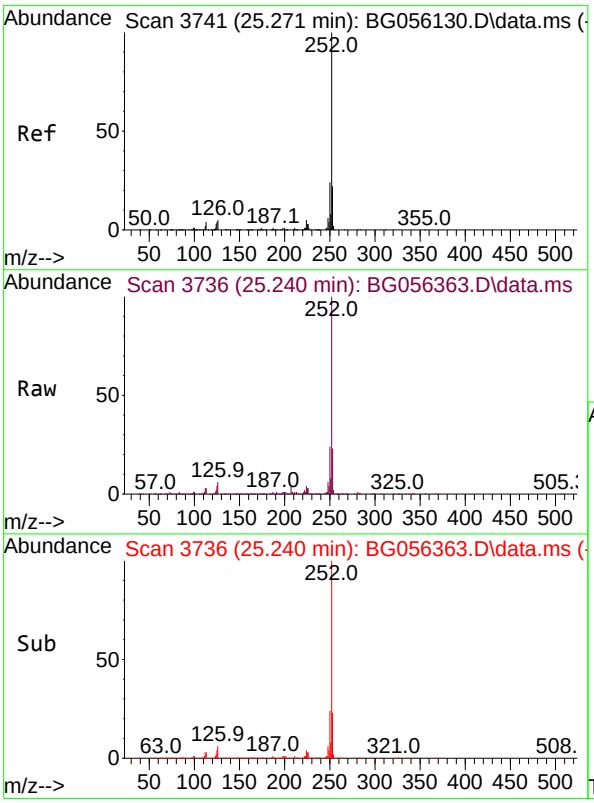
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	4.4	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

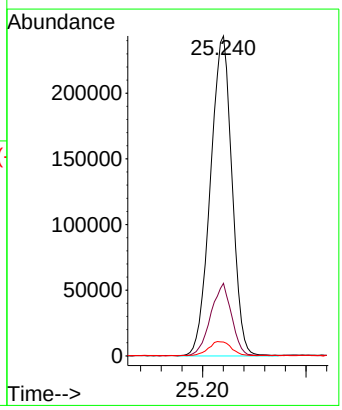
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

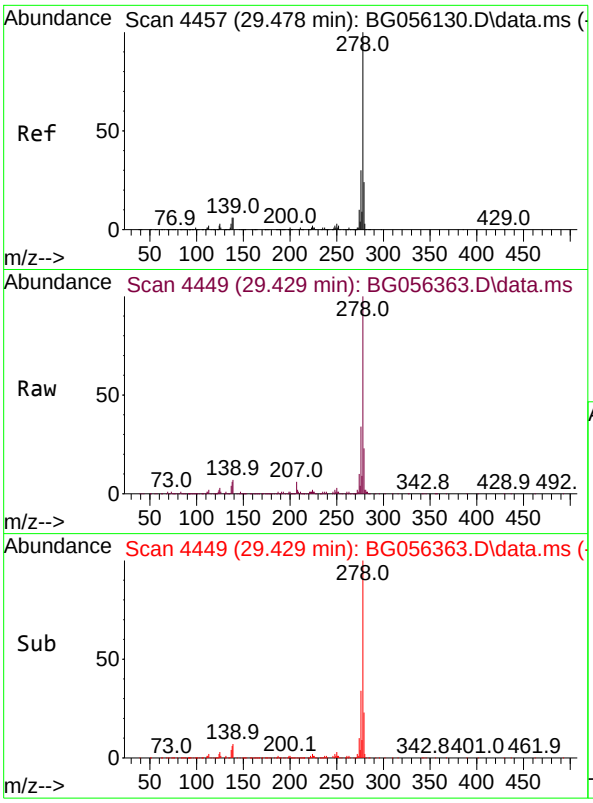


#90
Benzo(a)pyrene
Concen: 40.888 ng
RT: 25.240 min Scan# 3736
Delta R.T. 0.013 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:252 Resp: 705478

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	4.3	3.2	4.8

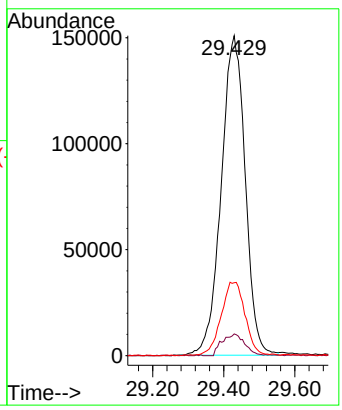




#91
Dibenzo(a,h)anthracene
Concen: 41.725 ng
RT: 29.429 min Scan# 44
Delta R.T. 0.019 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:278 Resp: 70834

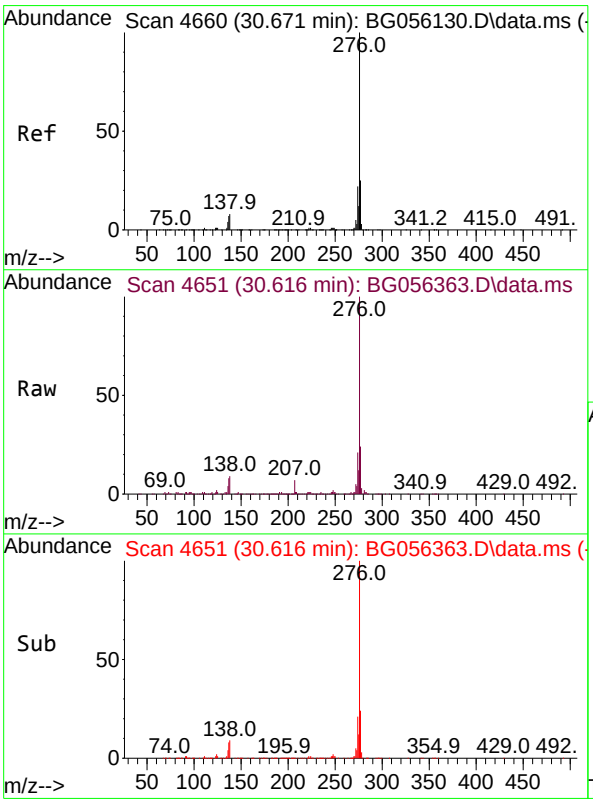
Ion	Ratio	Lower	Upper
278	100		
139	6.8	4.8	7.2
279	22.8	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

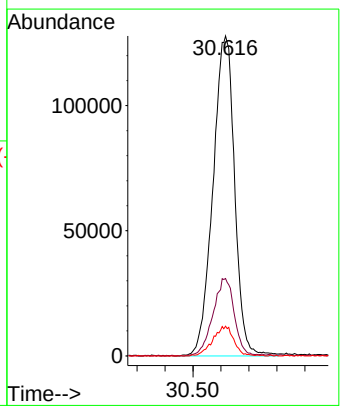
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#92
Benzo(g,h,i)perylene
Concen: 41.826 ng
RT: 30.616 min Scan# 4651
Delta R.T. 0.019 min
Lab File: BG056363.D
Acq: 20 Jan 2023 11:44

Tgt Ion:276 Resp: 688574

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.7	29.5
138	9.3	6.7	10.1



Sample Results: **BG056363.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056363.D
Acq On : 20 Jan 2023 11:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Jan 22 23:58:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
2		1,4-Dioxane	0.512	0.458	10.5	77	0.00
3		Pyridine	1.558	1.391	10.7	78	0.00
4		n-Nitrosodimethylamine	0.317	0.291	8.2	79	0.00
5	S	2-Fluorophenol	1.120	1.128	-0.7	91	0.00
6		Aniline	2.256	2.124	5.9	84	0.00
7	S	Phenol-d6	1.720	1.621	5.8	83	0.00
8		2-Chlorophenol	1.115	1.174	-5.3	94	0.00
9		Benzaldehyde	1.023	1.075	-5.1	98	0.00
10	C	Phenol	1.745	1.643	5.8	83	0.00
11		bis(2-Chloroethyl)ether	1.182	1.148	2.9	87	0.00
12		1,3-Dichlorobenzene	1.357	1.405	-3.5	94	0.00
13	C	1,4-Dichlorobenzene	1.362	1.409	-3.5	93	0.00
14		1,2-Dichlorobenzene	1.314	1.373	-4.5	94	0.00
15		Benzyl Alcohol	1.252	1.114	11.0	77	0.00
16		2,2'-oxybis(1-Chloropropane	0.209	0.242	-15.8	105	0.00
17		2-Methylphenol	1.280	1.277	0.2	87	0.00
18		Hexachloroethane	0.414	0.435	-5.1	95	0.00
19	P	n-Nitroso-di-n-propylamine	1.046	0.924	11.7	79	0.00
20		3+4-Methylphenols	1.800	1.743	3.2	85	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	88	0.00
22		Acetophenone	0.566	0.529	6.5	82	0.00
23	S	Nitrobenzene-d5	0.391	0.363	7.2	82	0.00
24		Nitrobenzene	0.387	0.355	8.3	81	0.00
25		Isophorone	0.823	0.721	12.4	77	0.00
26	C	2-Nitrophenol	0.198	0.207	-4.5	92	0.00
27		2,4-Dimethylphenol	0.362	0.358	1.1	87	0.00
28		bis(2-Chloroethoxy)methane	0.428	0.411	4.0	86	0.00
29	C	2,4-Dichlorophenol	0.400	0.404	-1.0	86	0.00
30		1,2,4-Trichlorobenzene	0.454	0.449	1.1	88	0.00
31		Naphthalene	1.053	1.086	-3.1	92	0.00
32		Benzoic acid	0.268	0.216	19.4	68	0.00
33		4-Chloroaniline	0.503	0.493	2.0	86	0.00
34	C	Hexachlorobutadiene	0.326	0.332	-1.8	88	0.00
35		Caprolactam	0.135	0.123	8.9	80	0.00
36	C	4-Chloro-3-methylphenol	0.406	0.380	6.4	83	0.00
37		2-Methylnaphthalene	0.889	0.881	0.9	87	0.00
38		1-Methylnaphthalene	0.825	0.823	0.2	89	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	0.750	0.775	-3.3	84	0.00
41	P	Hexachlorocyclopentadiene	0.427	0.408	4.4	75	0.00
42	S	2,4,6-Tribromophenol	0.253	0.271	-7.1	88	0.00
43	C	2,4,6-Trichlorophenol	0.496	0.499	-0.6	81	0.00
44		2,4,5-Trichlorophenol	0.586	0.583	0.5	81	0.00
45	S	2-Fluorobiphenyl	1.448	1.497	-3.4	85	0.00
46		1,1'-Biphenyl	1.432	1.484	-3.6	85	0.00
47		2-Chloronaphthalene	1.131	1.163	-2.8	84	0.00

Sample Results: **BG056363.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056363.D
Acq On : 20 Jan 2023 11:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Jan 22 23:58:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.241	0.239	0.8	81	0.00
49		Acenaphthylene	1.840	1.901	-3.3	85	0.00
50		Dimethylphthalate	1.615	1.581	2.1	81	0.00
51		2,6-Dinitrotoluene	0.344	0.348	-1.2	85	0.00
52	C	Acenaphthene	1.197	1.227	-2.5	84	0.00
53		3-Nitroaniline	0.327	0.340	-4.0	85	0.00
54	P	2,4-Dinitrophenol	0.246	0.231	6.1	74	0.00
55		Dibenzofuran	1.980	1.989	-0.5	82	0.00
56	P	4-Nitrophenol	0.252	0.249	1.2	79	0.00
57		2,4-Dinitrotoluene	0.481	0.489	-1.7	82	0.00
58		Fluorene	1.593	1.567	1.6	82	0.00
59		2,3,4,6-Tetrachlorophenol	0.551	0.526	4.5	78	0.00
60		Diethylphthalate	1.514	1.499	1.0	82	0.00
61		4-Chlorophenyl-phenylether	0.994	0.986	0.8	81	0.00
62		4-Nitroaniline	0.335	0.347	-3.6	84	0.00
63		Azobenzene	1.168	1.094	6.3	78	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	77	0.00
65		4,6-Dinitro-2-methylphenol	0.135	0.145	-7.4	80	0.00
66	c	n-Nitrosodiphenylamine	0.555	0.591	-6.5	82	0.00
67		4-Bromophenyl-phenylether	0.255	0.270	-5.9	81	0.00
68		Hexachlorobenzene	0.238	0.260	-9.2	84	0.00
69		Atrazine	0.230	0.236	-2.6	77	0.00
70	C	Pentachlorophenol	0.183	0.167	8.7	68	0.00
71		Phenanthrene	1.036	1.068	-3.1	79	0.00
72		Anthracene	1.069	1.099	-2.8	79	0.00
73		Carbazole	0.899	0.920	-2.3	78	0.00
74		Di-n-butylphthalate	0.896	0.973	-8.6	82	0.00
75	C	Fluoranthene	1.352	1.325	2.0	75	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	72	0.00
77		Benzidine	0.701	0.633	9.7	62	0.00
78		Pyrene	1.410	1.469	-4.2	75	0.00
79	S	Terphenyl-d14	1.117	1.181	-5.7	76	0.00
80		Butylbenzylphthalate	0.404	0.441	-9.2	78	0.00
81		Benzo(a)anthracene	1.405	1.426	-1.5	73	0.00
82		3,3'-Dichlorobenzidine	0.506	0.515	-1.8	71	0.00
83		Chrysene	1.316	1.357	-3.1	73	0.00
84		Bis(2-ethylhexyl)phthalate	0.583	0.616	-5.7	75	0.00
85	c	Di-n-octyl phthalate	0.984	1.036	-5.3	75	0.00
86	I	Perylene-d12	1.000	1.000	0.0	70	0.00
87		Indeno(1,2,3-cd)pyrene	1.455	1.521	-4.5	72	0.00
88		Benzo(b)fluoranthene	1.271	1.308	-2.9	71	0.00
89		Benzo(k)fluoranthene	1.265	1.286	-1.7	71	0.00
90	C	Benzo(a)pyrene	1.239	1.267	-2.3	71	0.01
91		Dibenzo(a,h)anthracene	1.219	1.272	-4.3	73	0.02
92		Benzo(g,h,i)perylene	1.183	1.237	-4.6	72	0.02

Sample Results: **BG056363.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056363.D
Acq On : 20 Jan 2023 11:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Jan 22 23:58:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BG056363.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056363.D
Acq On : 20 Jan 2023 11:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Jan 22 23:58:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	91	0.00
2		1,4-Dioxane	40.000	35.774	10.6	77	0.00
3		Pyridine	40.000	35.714	10.7	78	0.00
4		n-Nitrosodimethylamine	40.000	36.756	8.1	79	0.00
5	S	2-Fluorophenol	80.000	80.542	-0.7	91	0.00
6		Aniline	40.000	37.657	5.9	84	0.00
7	S	Phenol-d6	80.000	75.403	5.7	83	0.00
8		2-Chlorophenol	40.000	42.130	-5.3	94	0.00
9		Benzaldehyde	40.000	42.024	-5.1	98	0.00
10	C	Phenol	40.000	37.665	5.8	83	0.00
11		bis(2-Chloroethyl)ether	40.000	38.831	2.9	87	0.00
12		1,3-Dichlorobenzene	40.000	41.419	-3.5	94	0.00
13	C	1,4-Dichlorobenzene	40.000	41.364	-3.4	93	0.00
14		1,2-Dichlorobenzene	40.000	41.776	-4.4	94	0.00
15		Benzyl Alcohol	40.000	35.585	11.0	77	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	46.364	-15.9	105	0.00
17		2-Methylphenol	40.000	39.912	0.2	87	0.00
18		Hexachloroethane	40.000	42.087	-5.2	95	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	35.320	11.7	79	0.00
20		3+4-Methylphenols	40.000	38.746	3.1	85	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	88	0.00
22		Acetophenone	40.000	37.445	6.4	82	0.00
23	S	Nitrobenzene-d5	80.000	74.170	7.3	82	0.00
24		Nitrobenzene	40.000	36.670	8.3	81	0.00
25		Isophorone	40.000	35.048	12.4	77	0.00
26	C	2-Nitrophenol	40.000	41.796	-4.5	92	0.00
27		2,4-Dimethylphenol	40.000	39.555	1.1	87	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.474	3.8	86	0.00
29	C	2,4-Dichlorophenol	40.000	40.396	-1.0	86	0.00
30		1,2,4-Trichlorobenzene	40.000	39.624	0.9	88	0.00
31		Naphthalene	40.000	41.253	-3.1	92	0.00
32		Benzoic acid	40.000	32.186	19.5	68	0.00
33		4-Chloroaniline	40.000	39.215	2.0	86	0.00
34	C	Hexachlorobutadiene	40.000	40.745	-1.9	88	0.00
35		Caprolactam	40.000	36.215	9.5	80	0.00
36	C	4-Chloro-3-methylphenol	40.000	37.498	6.3	83	0.00
37		2-Methylnaphthalene	40.000	39.648	0.9	87	0.00
38		1-Methylnaphthalene	40.000	39.895	0.3	89	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.329	-3.3	84	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.217	4.5	75	0.00
42	S	2,4,6-Tribromophenol	80.000	85.701	-7.1	88	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.266	-0.7	81	0.00
44		2,4,5-Trichlorophenol	40.000	39.777	0.6	81	0.00
45	S	2-Fluorobiphenyl	80.000	82.670	-3.3	85	0.00
46		1,1'-Biphenyl	40.000	41.447	-3.6	85	0.00
47		2-Chloronaphthalene	40.000	41.151	-2.9	84	0.00

Sample Results: **BG056363.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056363.D
Acq On : 20 Jan 2023 11:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Jan 22 23:58:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.758	0.6	81	0.00
49		Acenaphthylene	40.000	41.336	-3.3	85	0.00
50		Dimethylphthalate	40.000	39.158	2.1	81	0.00
51		2,6-Dinitrotoluene	40.000	40.433	-1.1	85	0.00
52	C	Acenaphthene	40.000	41.033	-2.6	84	0.00
53		3-Nitroaniline	40.000	41.582	-4.0	85	0.00
54	P	2,4-Dinitrophenol	40.000	37.636	5.9	74	0.00
55		Dibenzofuran	40.000	40.184	-0.5	82	0.00
56	P	4-Nitrophenol	40.000	39.523	1.2	79	0.00
57		2,4-Dinitrotoluene	40.000	40.616	-1.5	82	0.00
58		Fluorene	40.000	39.364	1.6	82	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.235	4.4	78	0.00
60		Diethylphthalate	40.000	39.612	1.0	82	0.00
61		4-Chlorophenyl-phenylether	40.000	39.687	0.8	81	0.00
62		4-Nitroaniline	40.000	41.435	-3.6	84	0.00
63		Azobenzene	40.000	37.458	6.4	78	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	77	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.160	-7.9	80	0.00
66	c	n-Nitrosodiphenylamine	40.000	42.566	-6.4	82	0.00
67		4-Bromophenyl-phenylether	40.000	42.353	-5.9	81	0.00
68		Hexachlorobenzene	40.000	43.853	-9.6	84	0.00
69		Atrazine	40.000	41.075	-2.7	77	0.00
70	C	Pentachlorophenol	40.000	36.652	8.4	68	0.00
71		Phenanthrene	40.000	41.224	-3.1	79	0.00
72		Anthracene	40.000	41.114	-2.8	79	0.00
73		Carbazole	40.000	40.953	-2.4	78	0.00
74		Di-n-butylphthalate	40.000	43.425	-8.6	82	0.00
75	C	Fluoranthene	40.000	39.192	2.0	75	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	72	0.00
77		Benzidine	40.000	36.139	9.7	62	0.00
78		Pyrene	40.000	41.689	-4.2	75	0.00
79	S	Terphenyl-d14	80.000	84.615	-5.8	76	0.00
80		Butylbenzylphthalate	40.000	43.589	-9.0	78	0.00
81		Benzo(a)anthracene	40.000	40.595	-1.5	73	0.00
82		3,3'-Dichlorobenzidine	40.000	40.770	-1.9	71	0.00
83		Chrysene	40.000	41.258	-3.1	73	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.265	-5.7	75	0.00
85	c	Di-n-octyl phthalate	40.000	42.117	-5.3	75	0.00
86	I	Perylene-d12	20.000	20.000	0.0	70	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.823	-4.6	72	0.00
88		Benzo(b)fluoranthene	40.000	41.188	-3.0	71	0.00
89		Benzo(k)fluoranthene	40.000	40.638	-1.6	71	0.00
90	C	Benzo(a)pyrene	40.000	40.888	-2.2	71	0.01
91		Dibenzo(a,h)anthracene	40.000	41.725	-4.3	73	0.02
92		Benzo(g,h,i)perylene	40.000	41.826	-4.6	72	0.02

Sample Results: **BG056363.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056363.D
Acq On : 20 Jan 2023 11:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Jan 22 23:58:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_G Calibration Date/Time: 01/24/2023 14:59

Lab File ID: BG056403.D Init. Calib. Date(s): 12/27/2022 12/27/2022

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:55 19:42

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.120	1.109		-1.0	
Benzaldehyde	1.023	0.998		-2.4	
Phenol-d6	1.720	1.592		-7.4	
Phenol	1.745	1.627		-6.8	20.0
bis(2-Chloroethyl)ether	1.182	1.088		-8.0	
2-Chlorophenol	1.115	1.165		4.5	
2-Methylphenol	1.280	1.206		-5.8	
2,2-oxybis(1-Chloropropane)	0.209	0.240		14.8	
Acetophenone	0.566	0.540		-4.6	
3+4-Methylphenols	1.800	1.653		-8.2	
n-Nitroso-di-n-propylamine	1.046	0.896	0.050	-14.3	
Nitrobenzene-d5	0.391	0.362		-7.4	
Hexachloroethane	0.414	0.420		1.4	
Nitrobenzene	0.387	0.355		-8.3	
Isophorone	0.823	0.711		-13.6	
2-Nitrophenol	0.198	0.215		8.6	20.0
2,4-Dimethylphenol	0.362	0.347		-4.1	
bis(2-Chloroethoxy)methane	0.428	0.400		-6.5	
2,4-Dichlorophenol	0.400	0.407		1.8	20.0
Naphthalene	1.053	1.092		3.7	
4-Chloroaniline	0.503	0.492		-2.2	
Hexachlorobutadiene	0.326	0.326		0.0	20.0
Caprolactam	0.135	0.123		-8.9	
4-Chloro-3-methylphenol	0.406	0.377		-7.1	20.0
2-Methylnaphthalene	0.889	0.882		-0.8	
Hexachlorocyclopentadiene	0.427	0.441	0.050	3.3	
2,4,6-Trichlorophenol	0.496	0.497		0.2	20.0
2-Fluorobiphenyl	1.448	1.481		2.3	
2,4,5-Trichlorophenol	0.586	0.577		-1.5	
1,1-Biphenyl	1.432	1.499		4.7	
2-Chloronaphthalene	1.131	1.160		2.6	
2-Nitroaniline	0.241	0.246		2.1	
Dimethylphthalate	1.615	1.571		-2.7	
Acenaphthylene	1.840	1.893		2.9	
2,6-Dinitrotoluene	0.344	0.342		-0.6	
3-Nitroaniline	0.327	0.339		3.7	
Acenaphthene	1.197	1.224		2.3	20.0
2,4-Dinitrophenol	0.246	0.220	0.050	-10.6	
4-Nitrophenol	0.252	0.237	0.050	-6.0	
Dibenzofuran	1.980	1.963		-0.9	
2,4-Dinitrotoluene	0.481	0.496		3.1	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_G Calibration Date/Time: 01/24/2023 14:59

Lab File ID: BG056403.D Init. Calib. Date(s): 12/27/2022 12/27/2022

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:55 19:42

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.514	1.472		-2.8	
4-Chlorophenyl-phenylether	0.994	0.959		-3.5	
Fluorene	1.593	1.570		-1.4	
4-Nitroaniline	0.335	0.352		5.1	
4,6-Dinitro-2-methylphenol	0.135	0.140		3.7	
n-Nitrosodiphenylamine	0.555	0.580		4.5	20.0
2,4,6-Tribromophenol	0.253	0.269		6.3	
4-Bromophenyl-phenylether	0.255	0.264		3.5	
Hexachlorobenzene	0.238	0.255		7.1	
Atrazine	0.230	0.232		0.9	
Pentachlorophenol	0.183	0.179		-2.2	20.0
Phenanthrene	1.036	1.059		2.2	
Anthracene	1.069	1.091		2.1	
Carbazole	0.899	0.925		2.9	
Di-n-butylphthalate	0.896	0.972		8.5	
Fluoranthene	1.352	1.316		-2.7	20.0
Pyrene	1.410	1.440		2.1	
Terphenyl-d14	1.117	1.165		4.3	
Butylbenzylphthalate	0.404	0.431		6.7	
3,3-Dichlorobenzidine	0.506	0.514		1.6	
Benzo(a)anthracene	1.405	1.426		1.5	
Chrysene	1.316	1.343		2.1	
Bis(2-ethylhexyl)phthalate	0.583	0.614		5.3	
Di-n-octyl phthalate	0.984	1.024		4.1	20.0
Benzo(b)fluoranthene	1.271	1.288		1.3	
Benzo(k)fluoranthene	1.265	1.285		1.6	
Benzo(a)pyrene	1.239	1.268		2.3	20.0
Indeno(1,2,3-cd)pyrene	1.455	1.513		4.0	
Dibenzo(a,h)anthracene	1.219	1.270		4.2	
Benzo(g,h,i)perylene	1.183	1.201		1.5	
1,2,4,5-Tetrachlorobenzene	0.750	0.768		2.4	
1,4-Dioxane	0.512	0.448		-12.5	20.0
2,3,4,6-Tetrachlorophenol	0.551	0.513		-6.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056403.D
Acq On : 24 Jan 2023 14:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 25 05:25:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 04:54:56 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.294	152	39529	20.000	ng		0.00
21) Naphthalene-d8	11.126	136	145808	20.000	ng		0.00
39) Acenaphthene-d10	14.910	164	117421	20.000	ng		0.00
64) Phenanthrene-d10	17.648	188	289164	20.000	ng		0.00
76) Chrysene-d12	21.943	240	265057	20.000	ng	#	0.00
86) Perylene-d12	25.369	264	286788	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.815	112	175323	79.192	ng		0.00
7) Phenol-d6	7.437	99	251784	74.056	ng		0.00
23) Nitrobenzene-d5	9.470	82	211205	74.094	ng		0.00
42) 2,4,6-Tribromophenol	16.391	330	126420	85.010	ng		0.00
45) 2-Fluorobiphenyl	13.535	172	695793	81.827	ng		0.00
79) Terphenyl-d14	20.222	244	1234753	83.435	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.623	88	35415	35.022	ng		94
3) Pyridine	4.046	79	107040	34.754	ng	#	91
4) n-Nitrosodimethylamine	3.958	42	23346	37.263	ng		92
6) Aniline	7.607	93	161727	36.273	ng		99
8) 2-Chlorophenol	7.854	128	92102	41.806	ng		96
9) Benzaldehyde	7.419	77	78932	39.045	ng		97
10) Phenol	7.466	94	128648	37.311	ng		98
11) bis(2-Chloroethyl)ether	7.695	93	86004	36.807	ng		96
12) 1,3-Dichlorobenzene	8.183	146	108022	40.288	ng		96
13) 1,4-Dichlorobenzene	8.330	146	110175	40.920	ng		98
14) 1,2-Dichlorobenzene	8.653	146	104137	40.084	ng		98
15) Benzyl Alcohol	8.529	79	85898	34.714	ng		93
16) 2,2'-oxybis(1-Chloropr...	8.811	45	18964	45.928	ng	#	75
17) 2-Methylphenol	8.729	107	95337	37.682	ng		96
18) Hexachloroethane	9.393	117	33213	40.606	ng		97
19) n-Nitroso-di-n-propyla...	9.099	70	70868	34.278	ng		94
20) 3+4-Methylphenols	9.058	107	130670	36.735	ng		98
22) Acetophenone	9.123	105	157421	38.184	ng		98
24) Nitrobenzene	9.517	77	103462	36.625	ng		93
25) Isophorone	10.034	82	207248	34.556	ng		94
26) 2-Nitrophenol	10.233	139	62665	43.356	ng		93
27) 2,4-Dimethylphenol	10.274	122	101295	38.425	ng		98
28) bis(2-Chloroethoxy)met...	10.509	93	116724	37.446	ng		99
29) 2,4-Dichlorophenol	10.768	162	118658	40.714	ng		98
30) 1,2,4-Trichlorobenzene	10.985	180	130748	39.533	ng		98
31) Naphthalene	11.179	128	318359	41.487	ng		100
32) Benzoic acid	10.421	122	63965m	32.702	ng		
33) 4-Chloroaniline	11.279	127	143415	39.145	ng		99
34) Hexachlorobutadiene	11.450	225	94958	39.920	ng		98
35) Caprolactam	12.055	113	35747	36.227	ng		94
36) 4-Chloro-3-methylphenol	12.384	107	109915	37.167	ng		95
37) 2-Methylnaphthalene	12.760	142	257261	39.705	ng		96
38) 1-Methylnaphthalene	12.977	142	237295	39.438	ng		99
40) 1,2,4,5-Tetrachloroben...	13.124	216	180335	40.977	ng		99
41) Hexachlorocyclopentadiene	13.095	237	103546	41.269	ng		98
43) 2,4,6-Trichlorophenol	13.359	196	116717	40.108	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056403.D
Acq On : 24 Jan 2023 14:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 25 05:25:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 04:54:56 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.430	196	135502	39.362	ng	99
46) 1,1'-Biphenyl	13.747	154	352079	41.868	ng	100
47) 2-Chloronaphthalene	13.800	162	272423	41.042	ng	98
48) 2-Nitroaniline	13.994	65	57769	40.848	ng	92
49) Acenaphthylene	14.640	152	444533	41.155	ng	99
50) Dimethylphthalate	14.352	163	368960	38.924	ng	98
51) 2,6-Dinitrotoluene	14.481	165	80239	39.726	ng	90
52) Acenaphthene	14.975	154	287442m	40.916	ng	
53) 3-Nitroaniline	14.810	138	79596	41.408	ng	93
54) 2,4-Dinitrophenol	15.022	184	51664	35.805	ng	96
55) Dibenzofuran	15.304	168	461026	39.657	ng	96
56) 4-Nitrophenol	15.110	139	55668	37.655	ng	89
57) 2,4-Dinitrotoluene	15.263	165	116548	41.260	ng	88
58) Fluorene	15.956	166	368586	39.419	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.527	232	120363	37.238	ng	95
60) Diethylphthalate	15.697	149	345654	38.884	ng	99
61) 4-Chlorophenyl-phenyle...	15.932	204	225290	38.608	ng	96
62) 4-Nitroaniline	15.968	138	82664	41.982	ng	89
63) Azobenzene	16.226	77	252417	36.796	ng	95
65) 4,6-Dinitro-2-methylph...	16.027	198	80787	41.467	ng	92
66) n-Nitrosodiphenylamine	16.150	169	335682	41.840	ng	97
67) 4-Bromophenyl-phenylether	16.826	248	152740	41.480	ng	98
68) Hexachlorobenzene	16.955	284	147472	42.927	ng	99
69) Atrazine	17.084	200	134191	40.358	ng	98
70) Pentachlorophenol	17.301	266	103292	39.141	ng	97
71) Phenanthrene	17.695	178	612217	40.854	ng	98
72) Anthracene	17.783	178	631023	40.821	ng	99
73) Carbazole	18.048	167	534952	41.169	ng	99
74) Di-n-butylphthalate	18.571	149	562355	43.415	ng	99
75) Fluoranthene	19.681	202	761022	38.933	ng	99
77) Benzidine	19.846	184	377513	40.642	ng	99
78) Pyrene	20.045	202	763603	40.873	ng	100
80) Butylbenzylphthalate	20.897	149	228633	42.657	ng	99
81) Benzo(a)anthracene	21.920	228	756033	40.610	ng	99
82) 3,3'-Dichlorobenzidine	21.820	252	272686	40.689	ng	98
83) Chrysene	21.990	228	711926	40.825	ng	100
84) Bis(2-ethylhexyl)phtha...	21.779	149	325480	42.150	ng	99
85) Di-n-octyl phthalate	23.054	149	542652	41.627	ng	100
87) Indeno(1,2,3-cd)pyrene	29.334	276	867929	41.613	ng	100
88) Benzo(b)fluoranthene	24.276	252	739008	40.557	ng	98
89) Benzo(k)fluoranthene	24.346	252	737207	40.629	ng	99
90) Benzo(a)pyrene	25.210	252	727123	40.913	ng	98
91) Dibenzo(a,h)anthracene	29.387	278	728172	41.642	ng	99
92) Benzo(g,h,i)perylene	30.562	276	689128	40.639	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

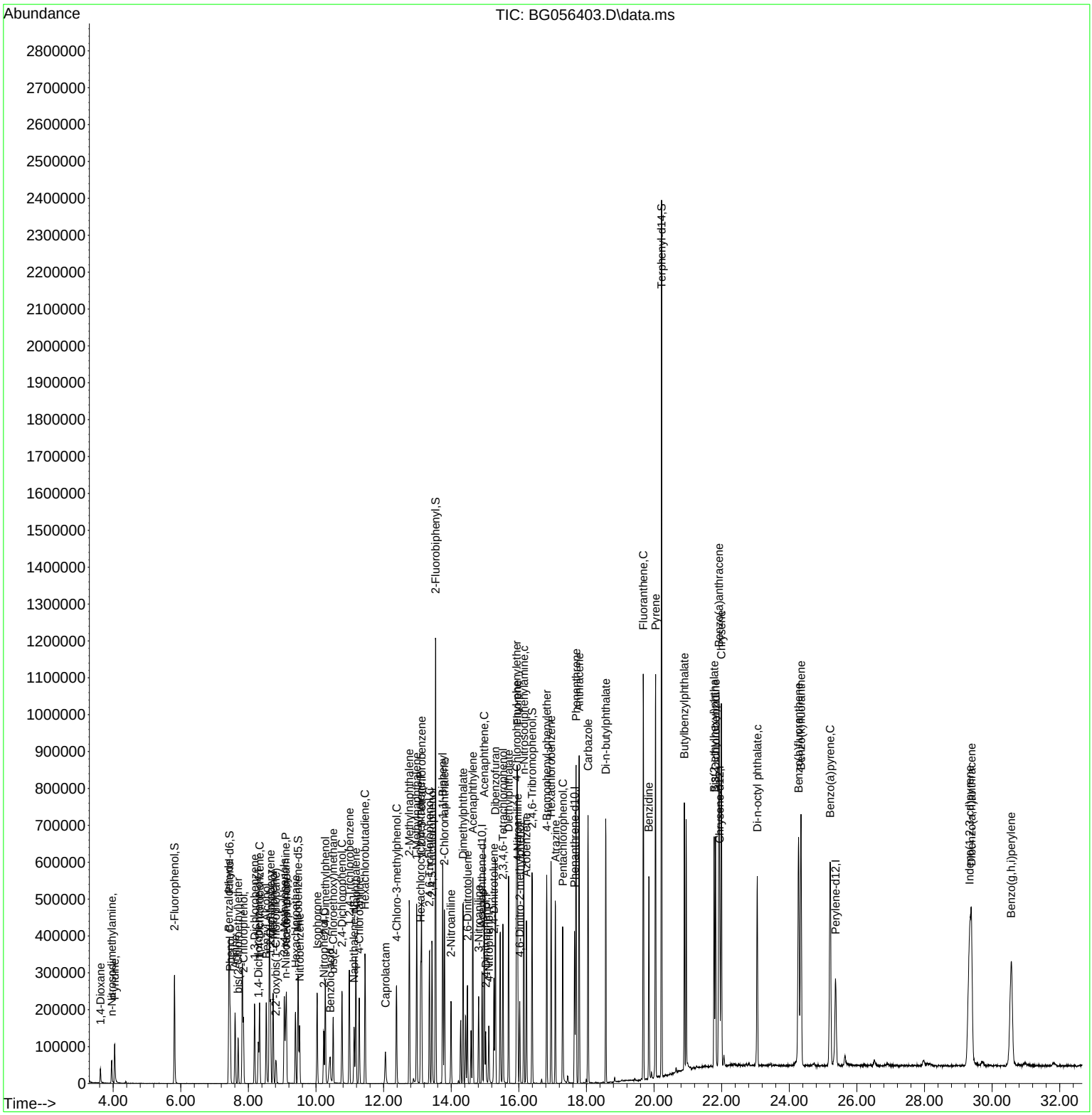
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056403.D
Acq On : 24 Jan 2023 14:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

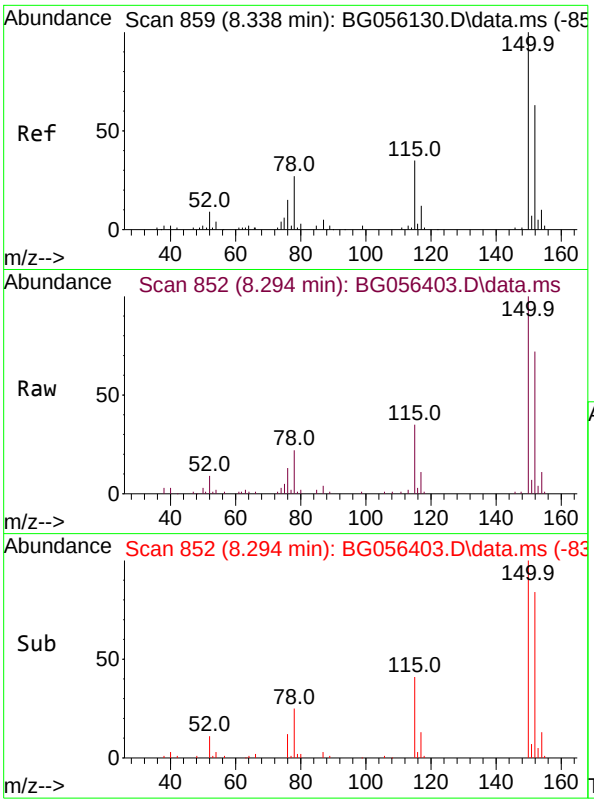
Quant Time: Jan 25 05:25:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 04:54:56 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

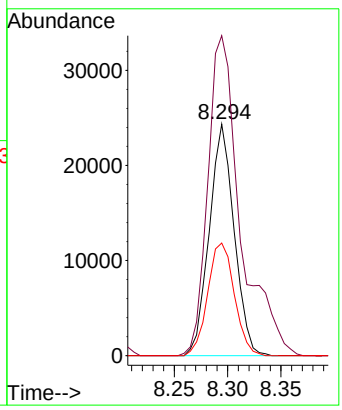




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.294 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:152 Resp: 3952

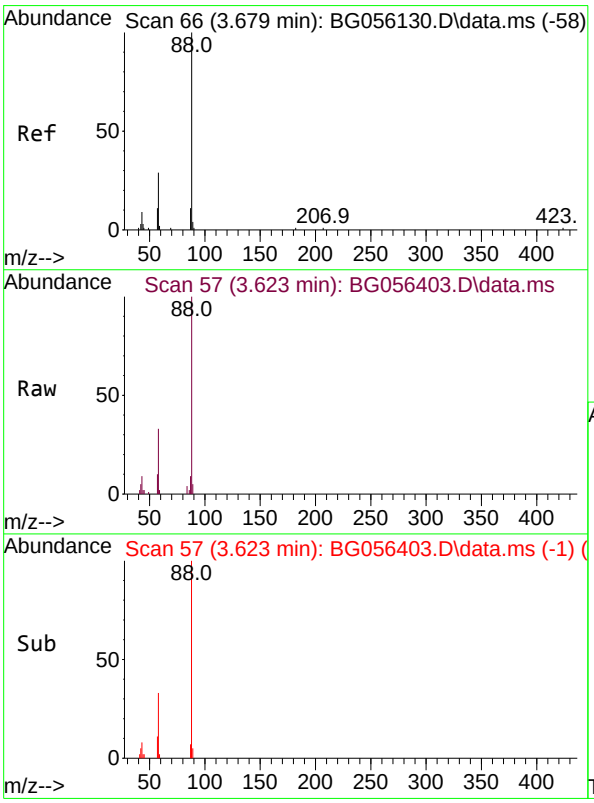
Ion	Ratio	Lower	Upper
152	100		
150	138.3	127.9	191.9
115	48.7	44.2	66.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

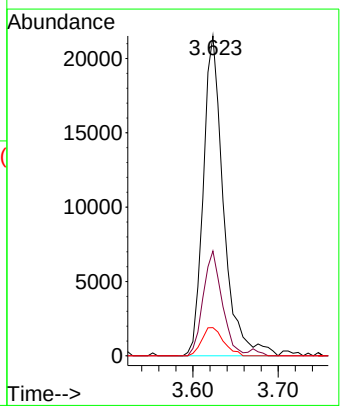
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

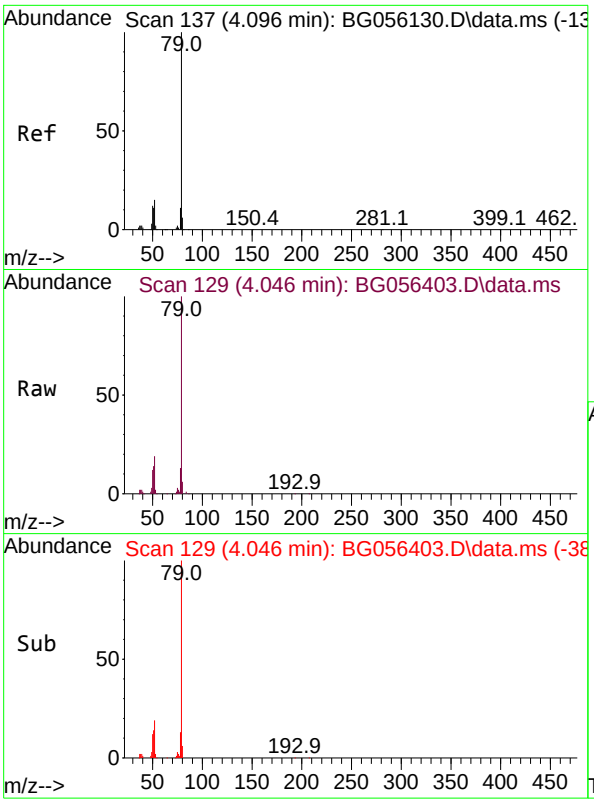


#2
1,4-Dioxane
Concen: 35.022 ng
RT: 3.623 min Scan# 57
Delta R.T. 0.007 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 88 Resp: 35415

Ion	Ratio	Lower	Upper
88	100		
58	30.8	21.4	32.0
43	9.5	7.1	10.7

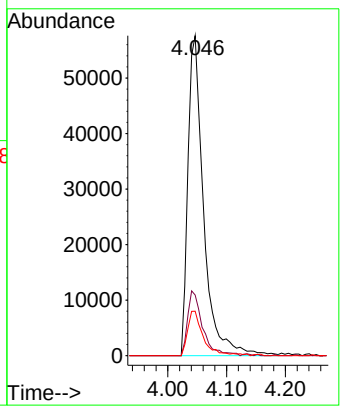




#3
Pyridine
Concen: 34.754 ng
RT: 4.046 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 79 Resp: 10704

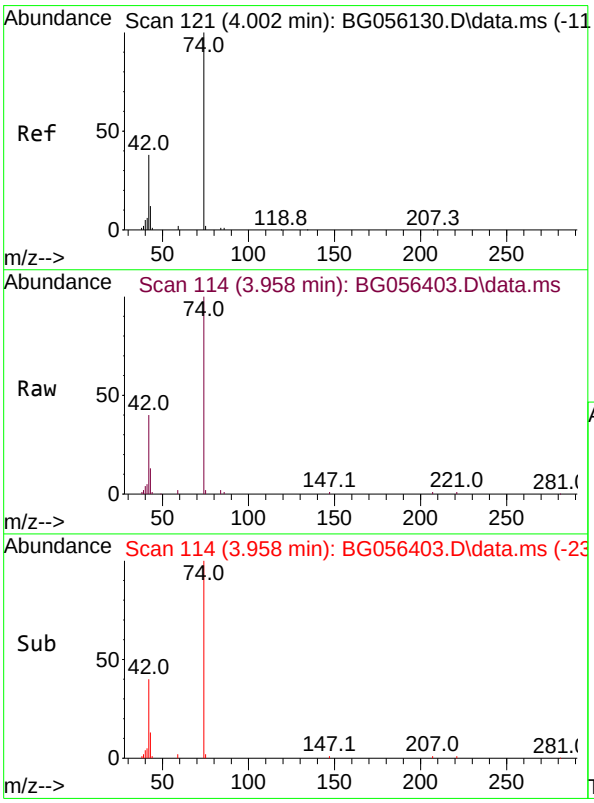
Ion	Ratio	Lower	Upper
79	100		
52	18.9	11.8	17.6#
51	13.9	8.8	13.2#



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

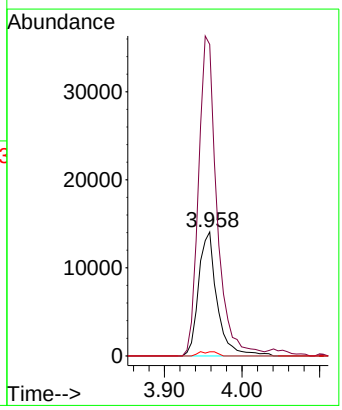
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

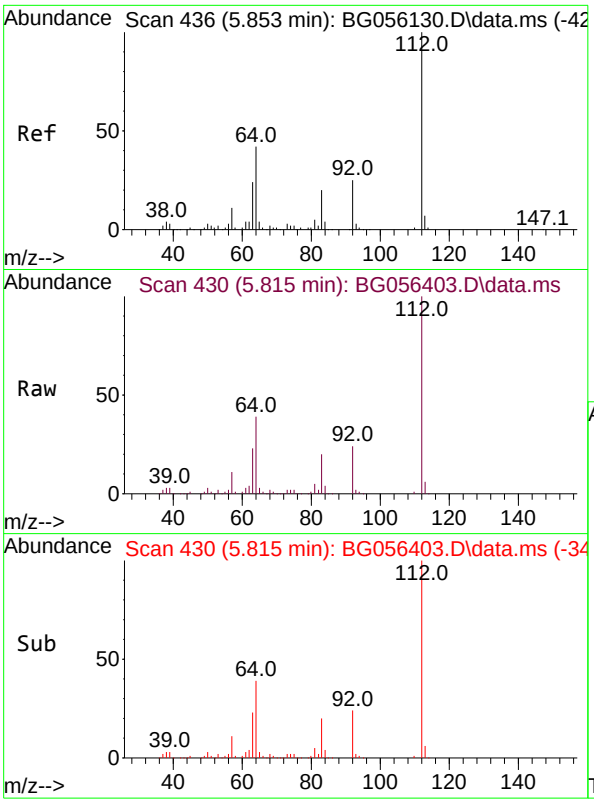


#4
n-Nitrosodimethylamine
Concen: 37.263 ng
RT: 3.958 min Scan# 114
Delta R.T. 0.007 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 42 Resp: 23346

Ion	Ratio	Lower	Upper
42	100		
74	251.4	212.6	319.0
44	3.3	2.6	3.8

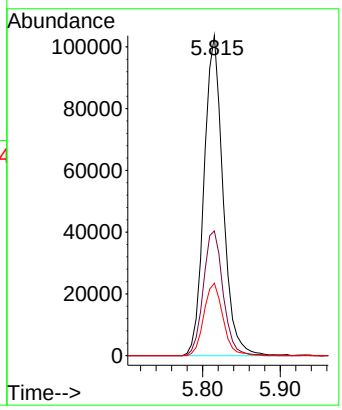




#5
2-Fluorophenol
Concen: 79.192 ng
RT: 5.815 min Scan# 4
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:112 Resp: 17532

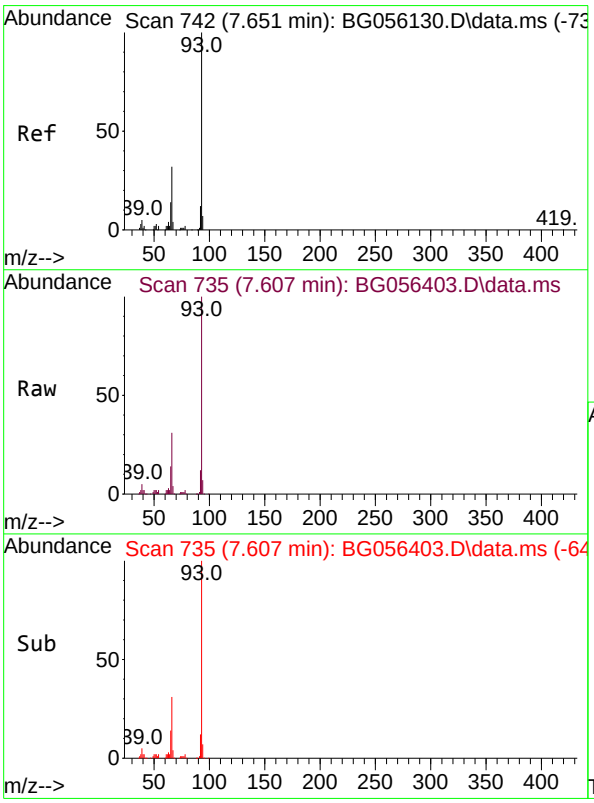
Ion	Ratio	Lower	Upper
112	100		
64	39.0	33.3	49.9
63	22.6	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

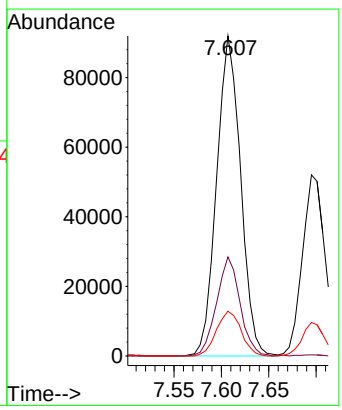
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

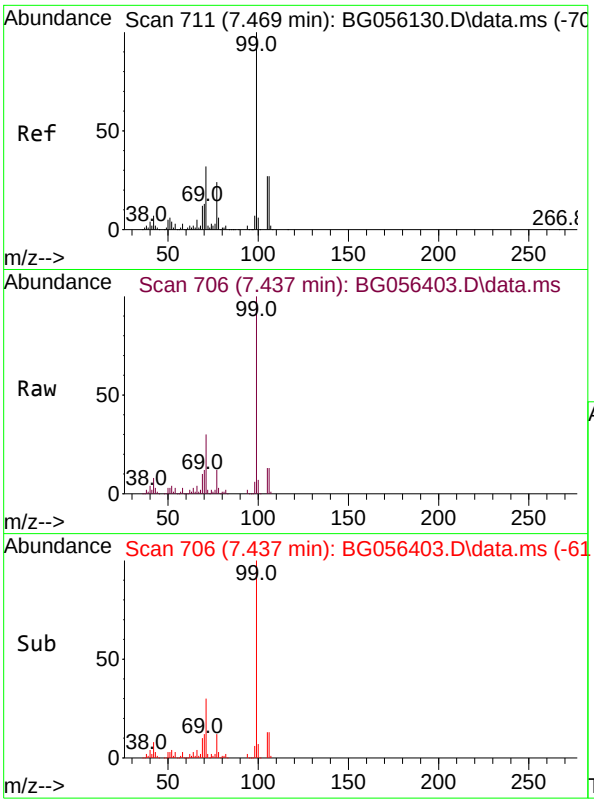


#6
Aniline
Concen: 36.273 ng
RT: 7.607 min Scan# 735
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 93 Resp: 161727

Ion	Ratio	Lower	Upper
93	100		
66	30.9	25.4	38.2
65	14.0	11.4	17.2

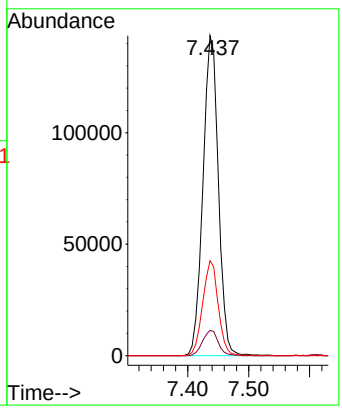




#7
Phenol-d6
Concen: 74.056 ng
RT: 7.437 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 99 Resp: 25178

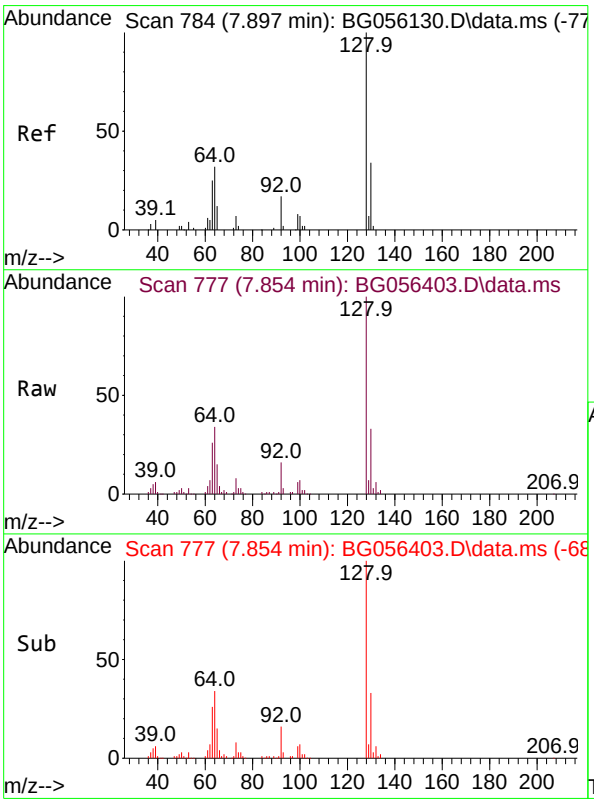
Ion	Ratio	Lower	Upper
99	100		
42	7.9	5.9	8.9
71	29.7	25.4	38.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

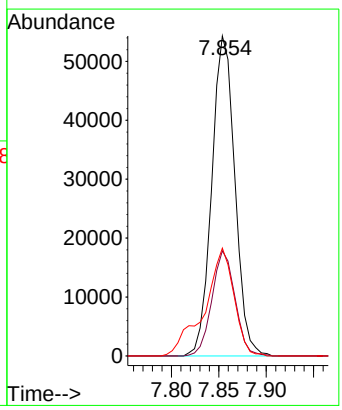
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

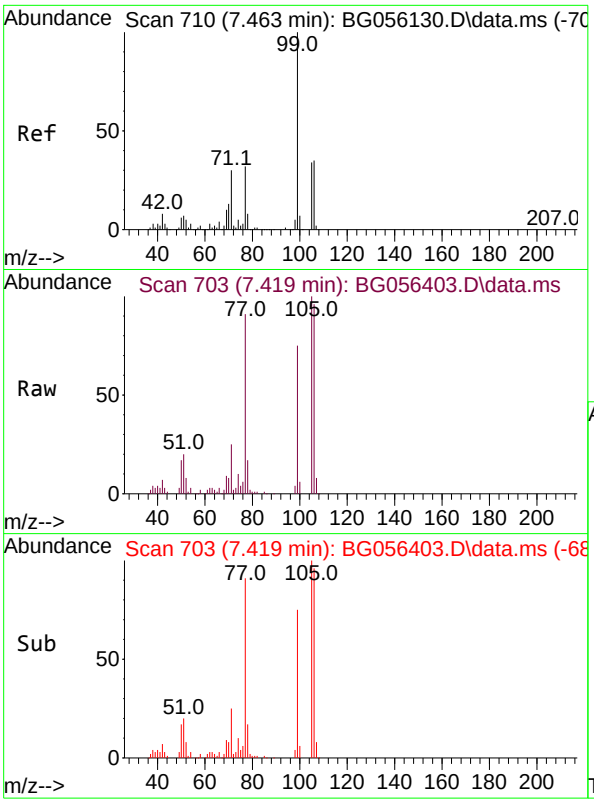


#8
2-Chlorophenol
Concen: 41.806 ng
RT: 7.854 min Scan# 777
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:128 Resp: 92102

Ion	Ratio	Lower	Upper
128	100		
130	32.8	13.5	53.5
64	33.7	18.0	58.0

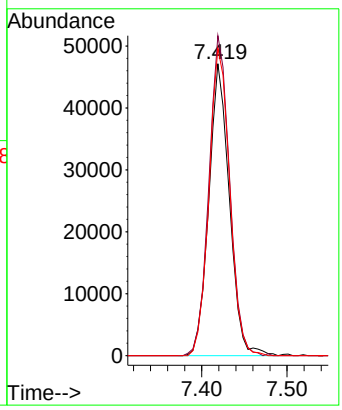




#9
Benzaldehyde
Concen: 39.045 ng
RT: 7.419 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 77 Resp: 7893

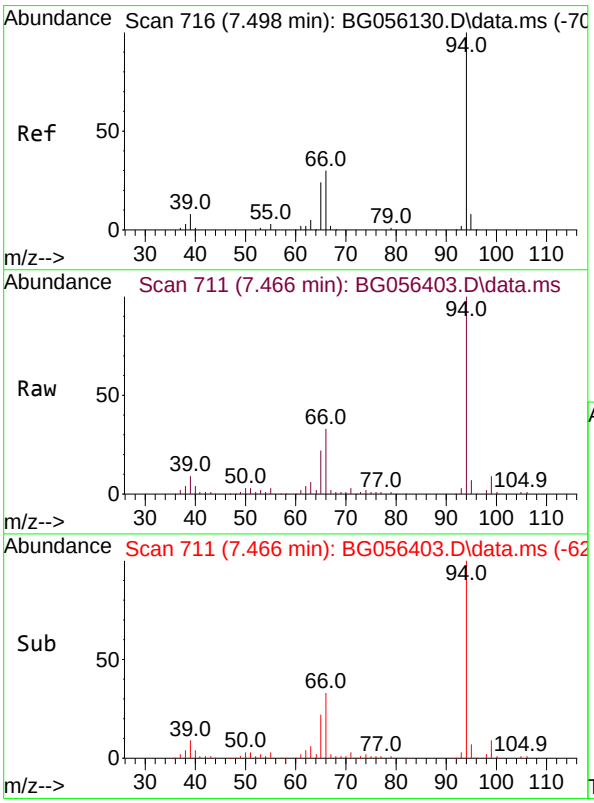
Ion	Ratio	Lower	Upper
77	100		
105	109.6	86.8	126.8
106	105.3	89.3	129.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

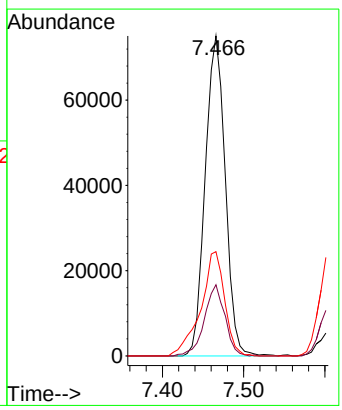
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

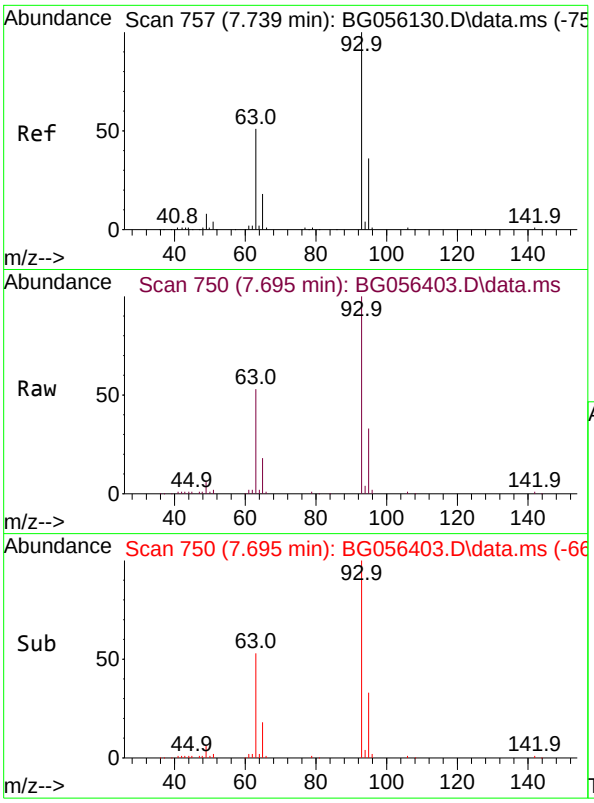


#10
Phenol
Concen: 37.311 ng
RT: 7.466 min Scan# 711
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 94 Resp: 128648

Ion	Ratio	Lower	Upper
94	100		
65	22.2	4.3	44.3
66	32.6	13.2	53.2





#11
bis(2-Chloroethyl)ether
Concen: 36.807 ng
RT: 7.695 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

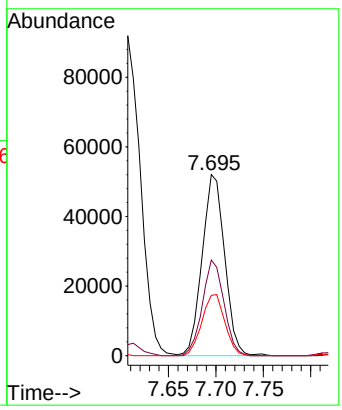
Tgt Ion: 93 Resp: 8600

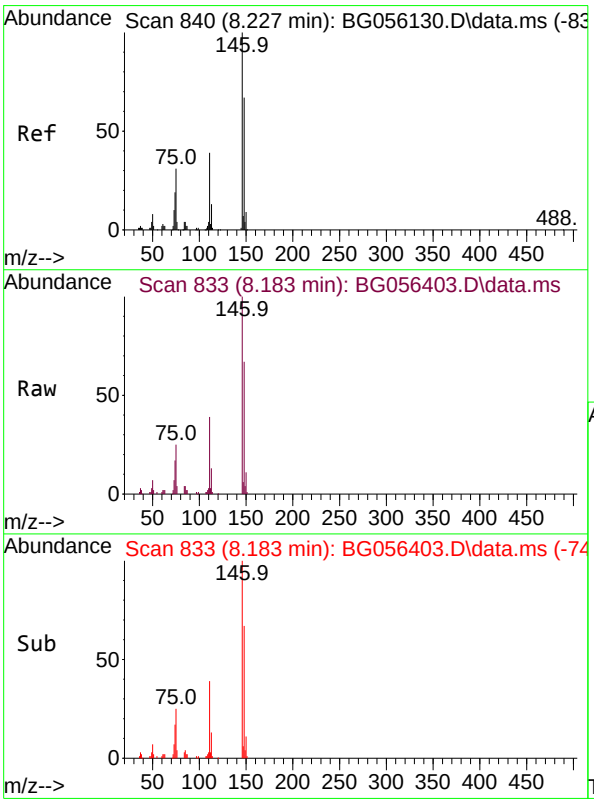
Ion	Ratio	Lower	Upper
93	100		
63	52.8	30.5	70.5
95	33.3	15.9	55.9

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

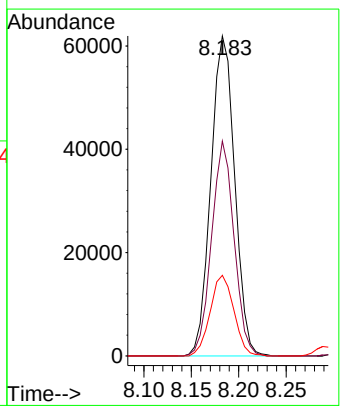


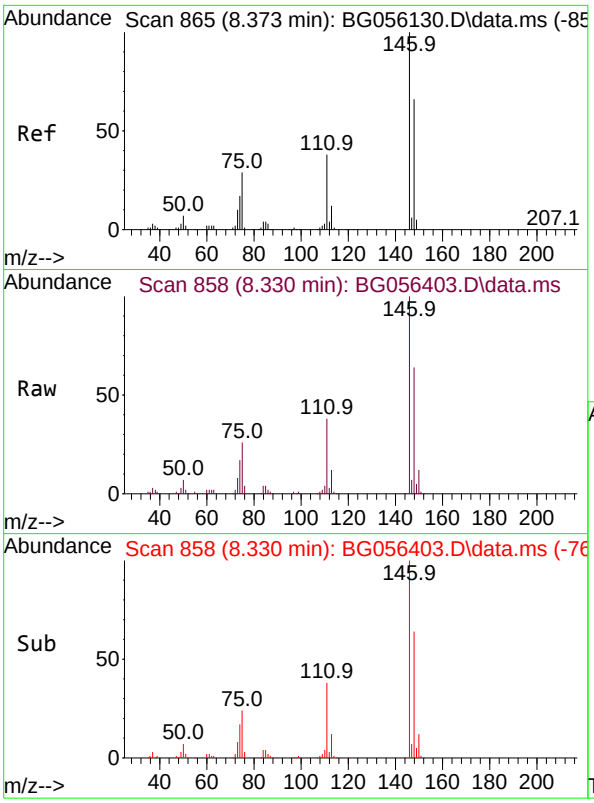


#12
1,3-Dichlorobenzene
Concen: 40.288 ng
RT: 8.183 min Scan# 833
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:146 Resp: 108022

Ion	Ratio	Lower	Upper
146	100		
148	67.1	53.5	80.3
75	25.2	24.8	37.2

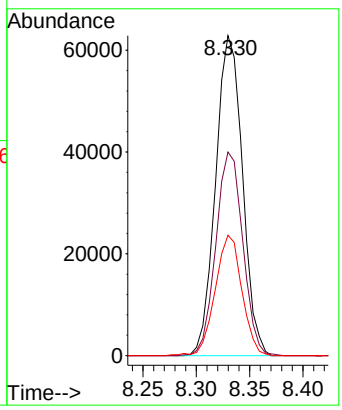




#13
1,4-Dichlorobenzene
Concen: 40.920 ng
RT: 8.330 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:146 Resp: 11017

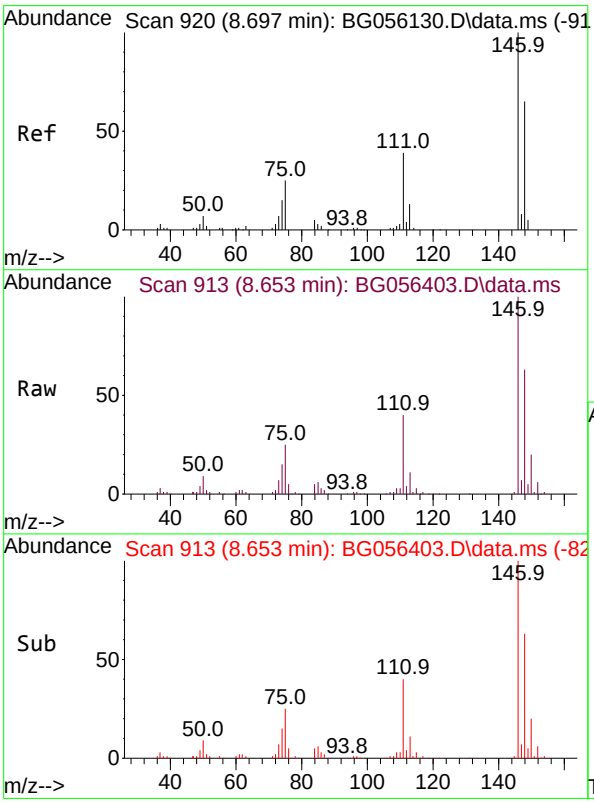
Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.8	79.2
111	37.6	30.5	45.7



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

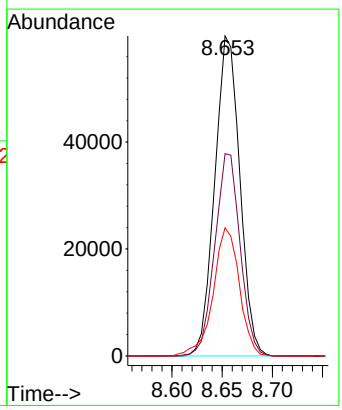
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

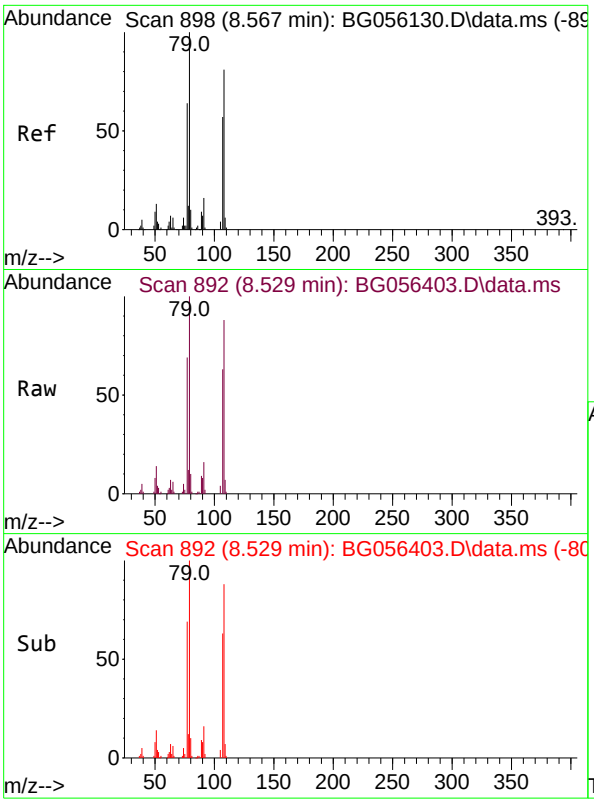


#14
1,2-Dichlorobenzene
Concen: 40.084 ng
RT: 8.653 min Scan# 913
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:146 Resp: 104137

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.7	77.5
111	40.0	31.5	47.3

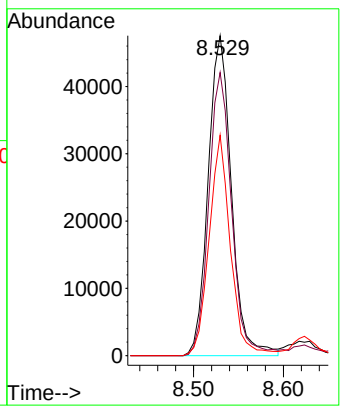




#15
Benzyl Alcohol
Concen: 34.714 ng
RT: 8.529 min Scan# 89
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 79 Resp: 8589

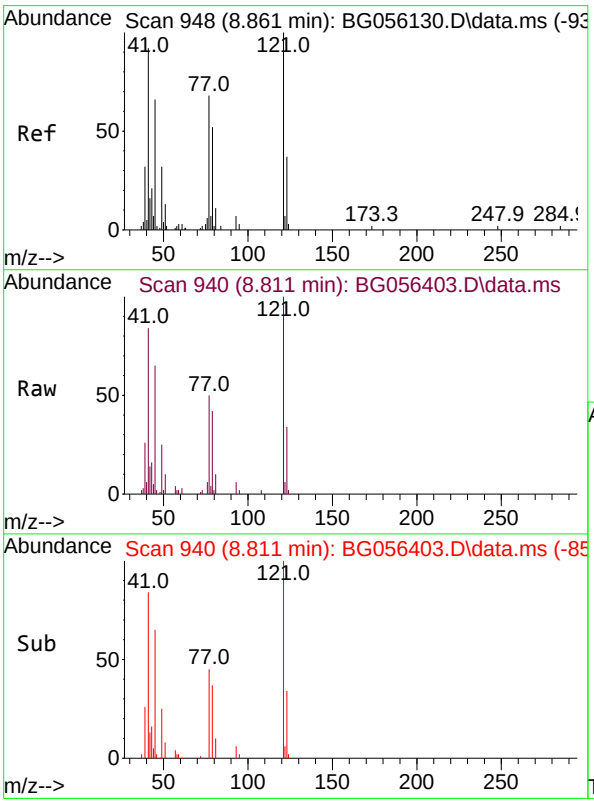
Ion	Ratio	Lower	Upper
79	100		
108	88.5	64.7	97.1
77	68.9	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

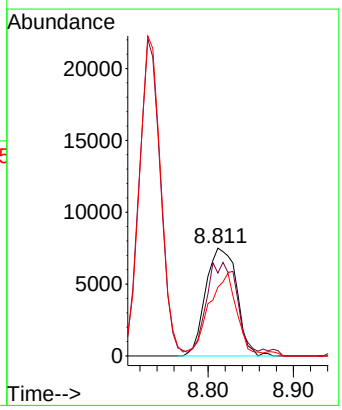
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

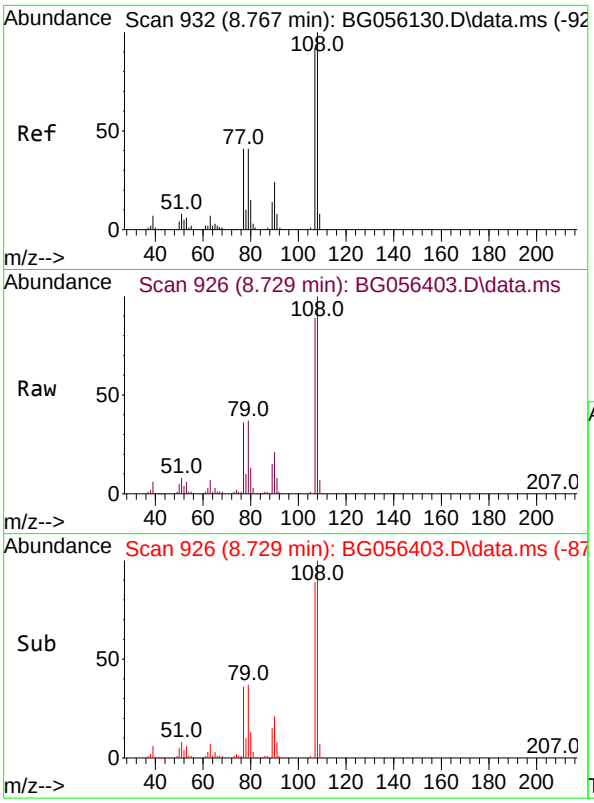


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.928 ng
RT: 8.811 min Scan# 940
Delta R.T. -0.011 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 45 Resp: 18964

Ion	Ratio	Lower	Upper
45	100		
77	76.8	88.2	128.2#
79	63.9	61.2	101.2

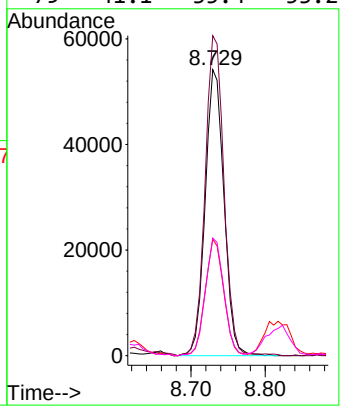




#17
2-Methylphenol
Concen: 37.682 ng
RT: 8.729 min Scan# 9
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:107 Resp: 9533

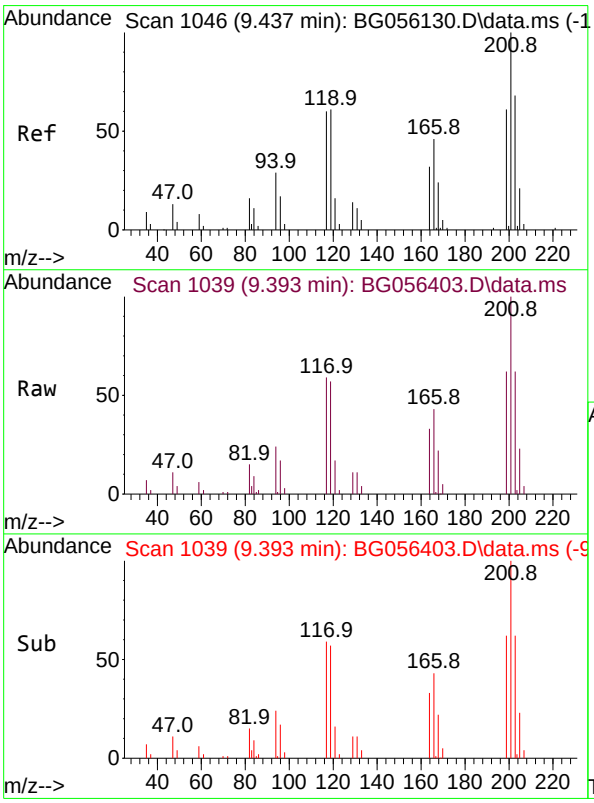
Ion	Ratio	Lower	Upper
107	100		
108	111.9	86.6	129.8
77	40.7	35.4	53.2
79	41.1	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

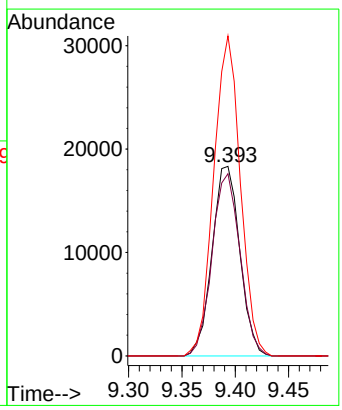
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

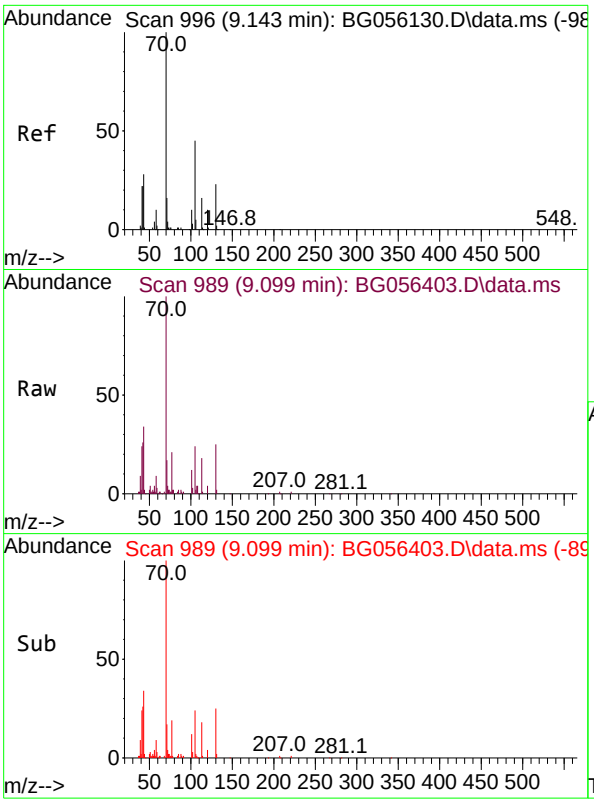


#18
Hexachloroethane
Concen: 40.606 ng
RT: 9.393 min Scan# 1039
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:117 Resp: 33213

Ion	Ratio	Lower	Upper
117	100		
119	96.2	81.8	122.6
201	168.9	134.2	201.2

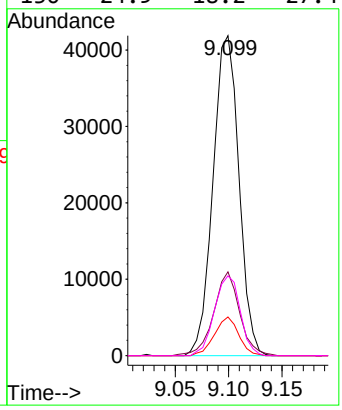




#19
n-Nitroso-di-n-propylamine
Concen: 34.278 ng
RT: 9.099 min Scan# 98
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 70 Resp: 7086

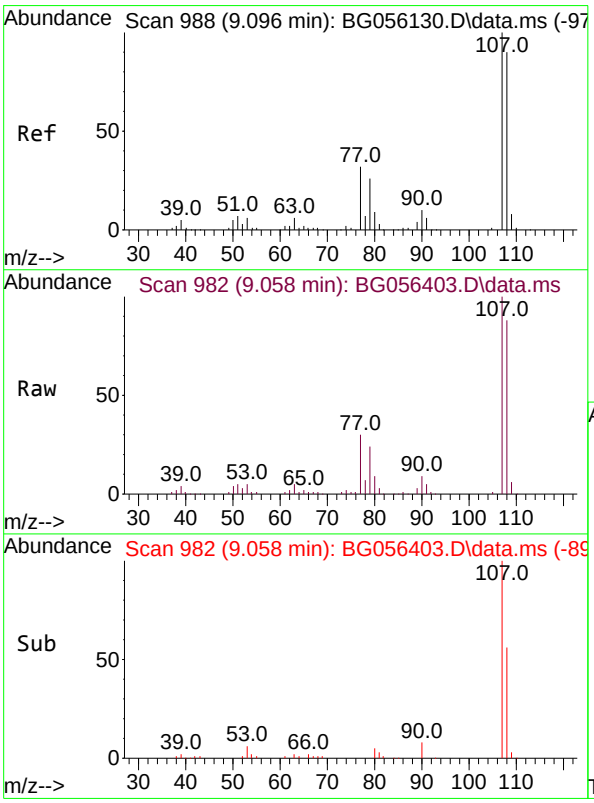
Ion	Ratio	Lower	Upper
70	100		
42	26.2	18.2	27.2
101	12.1	8.3	12.5
130	24.9	18.2	27.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

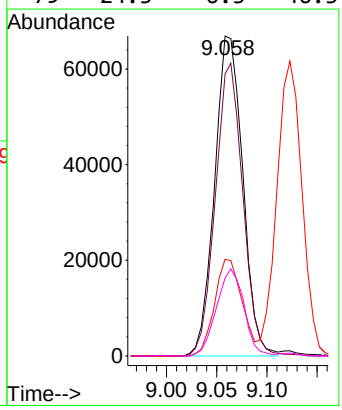
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

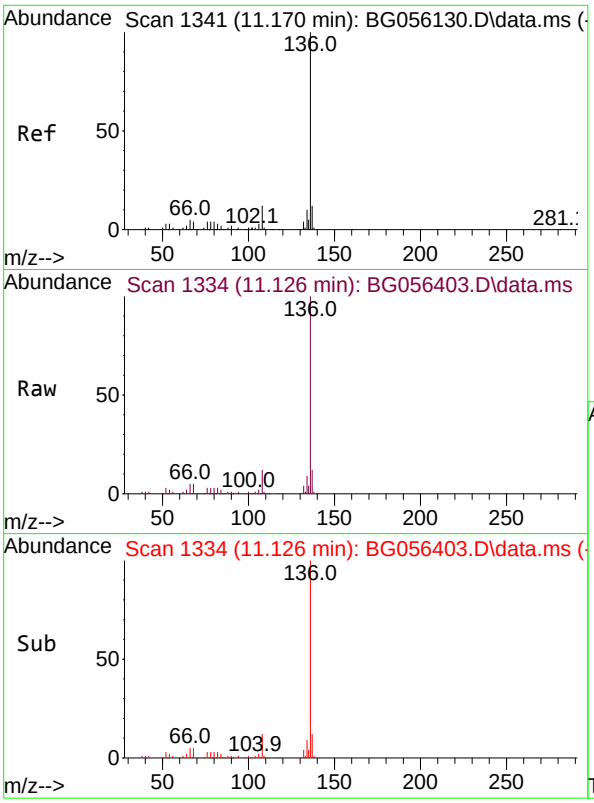


#20
3+4-Methylphenols
Concen: 36.735 ng
RT: 9.058 min Scan# 982
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:107 Resp: 130670

Ion	Ratio	Lower	Upper
107	100		
108	88.1	69.6	109.6
77	30.2	11.7	51.7
79	24.3	6.3	46.3

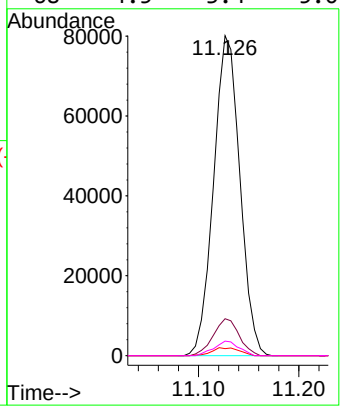




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.126 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:136 Resp: 14580

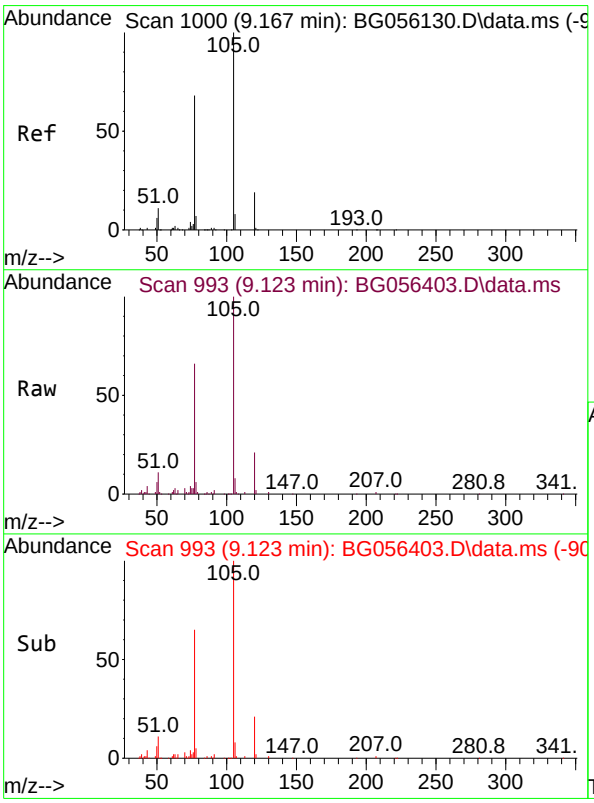
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.0
54	2.2	2.2	3.2
68	4.5	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

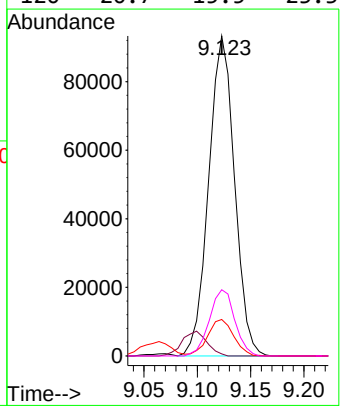
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

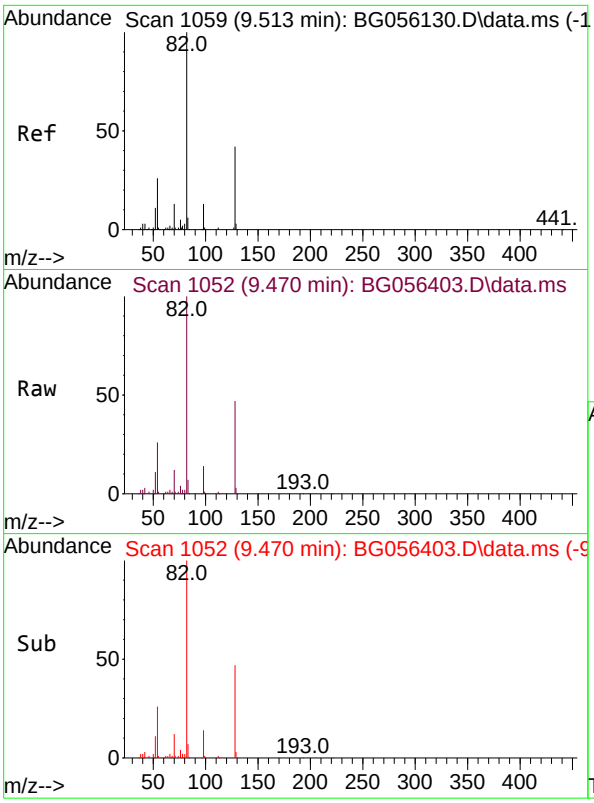


#22
Acetophenone
Concen: 38.184 ng
RT: 9.123 min Scan# 993
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:105 Resp: 157421

Ion	Ratio	Lower	Upper
105	100		
71	0.6	0.5	0.7
51	11.4	9.3	13.9
120	20.7	15.5	23.3

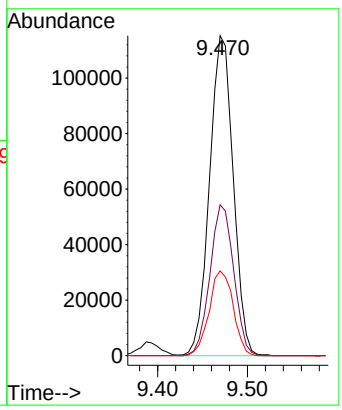




#23
Nitrobenzene-d5
Concen: 74.094 ng
RT: 9.470 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 82 Resp: 21120

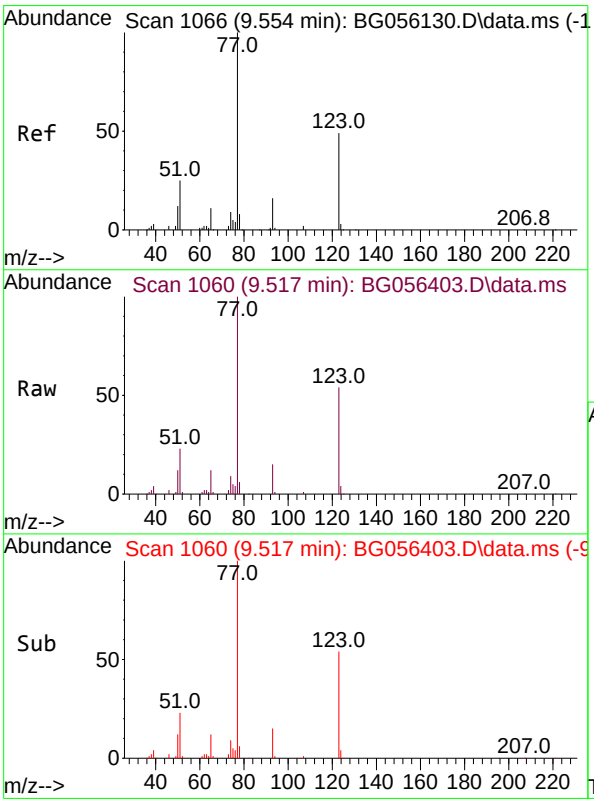
Ion	Ratio	Lower	Upper
82	100		
128	47.1	33.4	50.2
54	26.5	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

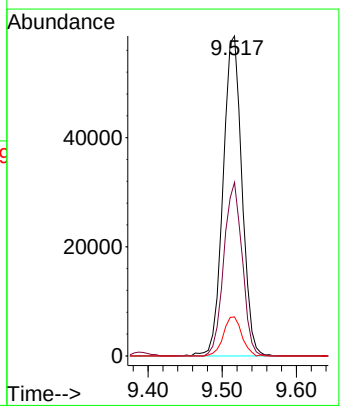
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

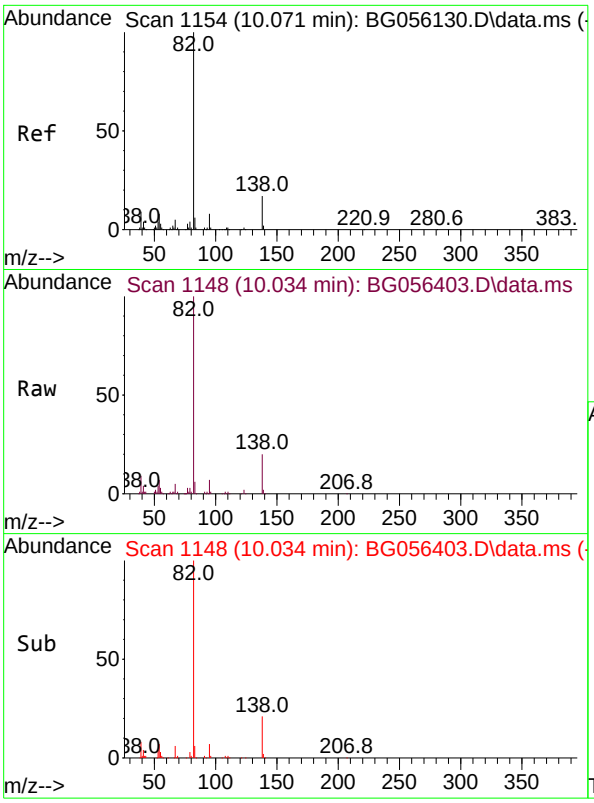


#24
Nitrobenzene
Concen: 36.625 ng
RT: 9.517 min Scan# 1060
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 77 Resp: 103462

Ion	Ratio	Lower	Upper
77	100		
123	54.2	38.8	58.2
65	12.2	9.1	13.7

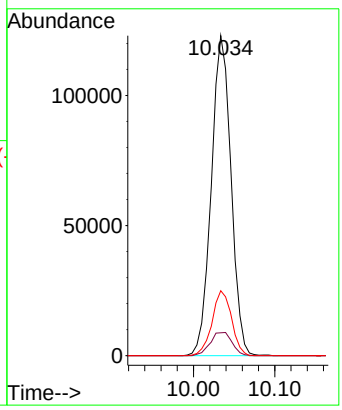




#25
Isophorone
Concen: 34.556 ng
RT: 10.034 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 82 Resp: 20724

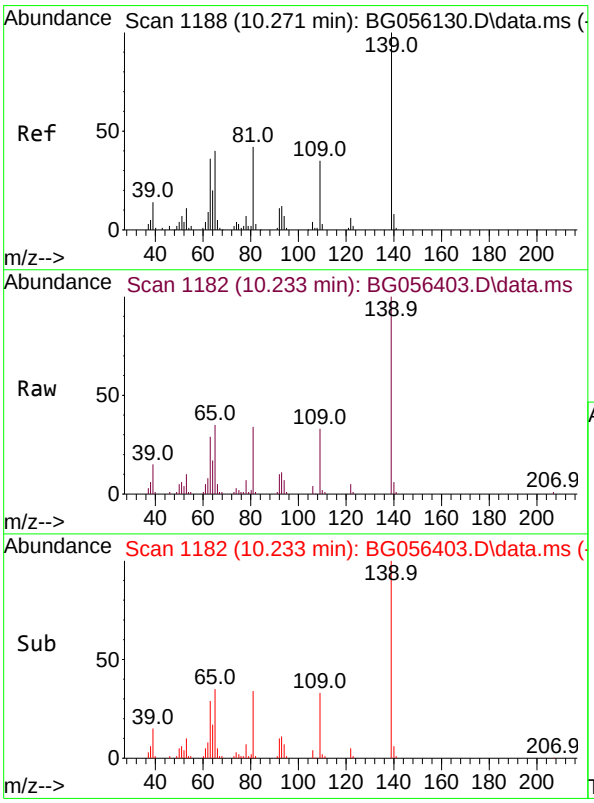
Ion	Ratio	Lower	Upper
82	100		
95	7.1	6.7	10.1
138	20.3	13.7	20.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

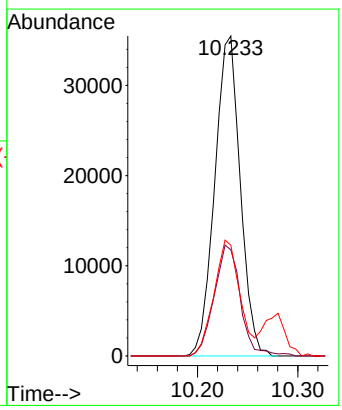
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

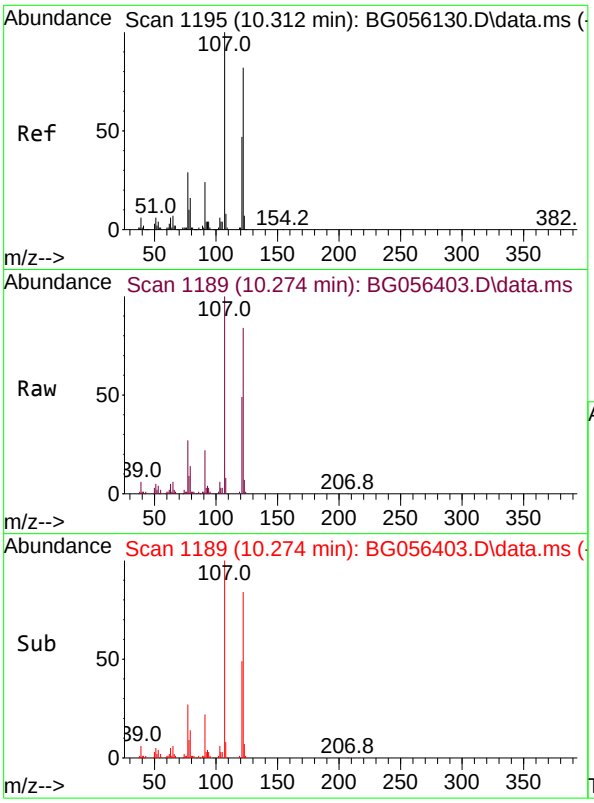


#26
2-Nitrophenol
Concen: 43.356 ng
RT: 10.233 min Scan# 1182
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:139 Resp: 62665

Ion	Ratio	Lower	Upper
139	100		
109	33.1	28.4	42.6
65	34.6	32.1	48.1

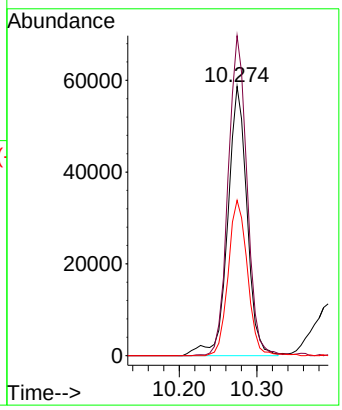




#27
2,4-Dimethylphenol
Concen: 38.425 ng
RT: 10.274 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:122 Resp: 10129

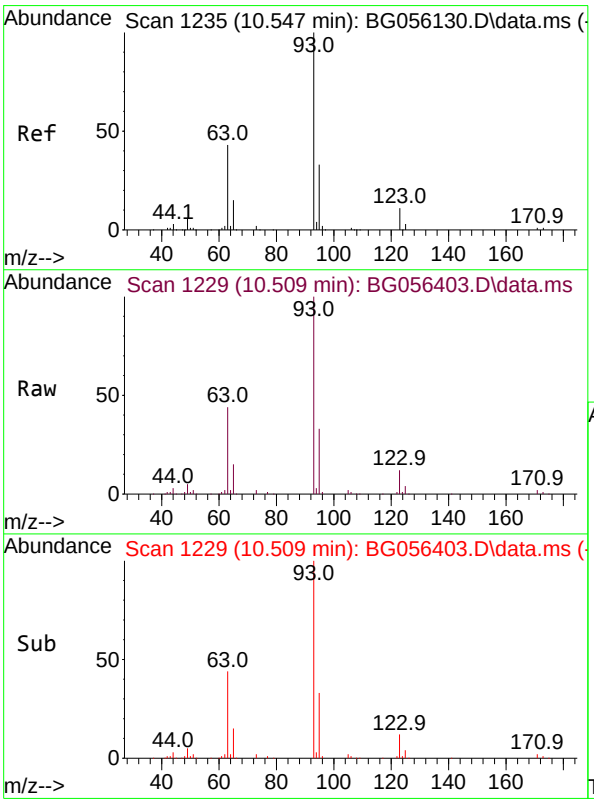
Ion	Ratio	Lower	Upper
122	100		
107	118.9	97.5	146.3
121	57.7	45.9	68.9



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

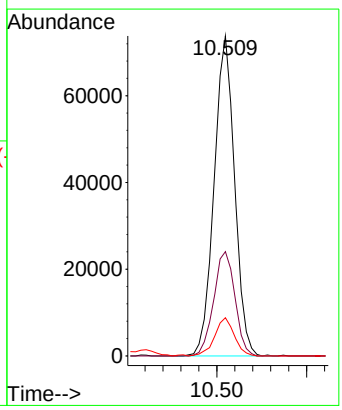
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

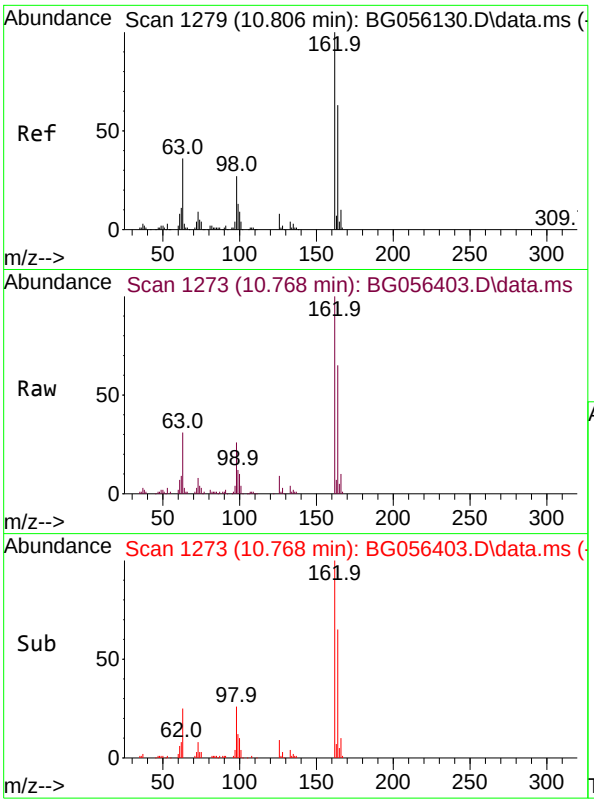


#28
bis(2-Chloroethoxy)methane
Concen: 37.446 ng
RT: 10.509 min Scan# 1229
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 93 Resp: 116724

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	11.9	9.0	13.6

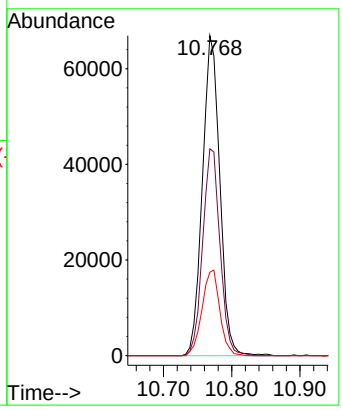




#29
2,4-Dichlorophenol
Concen: 40.714 ng
RT: 10.768 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:162 Resp: 11865

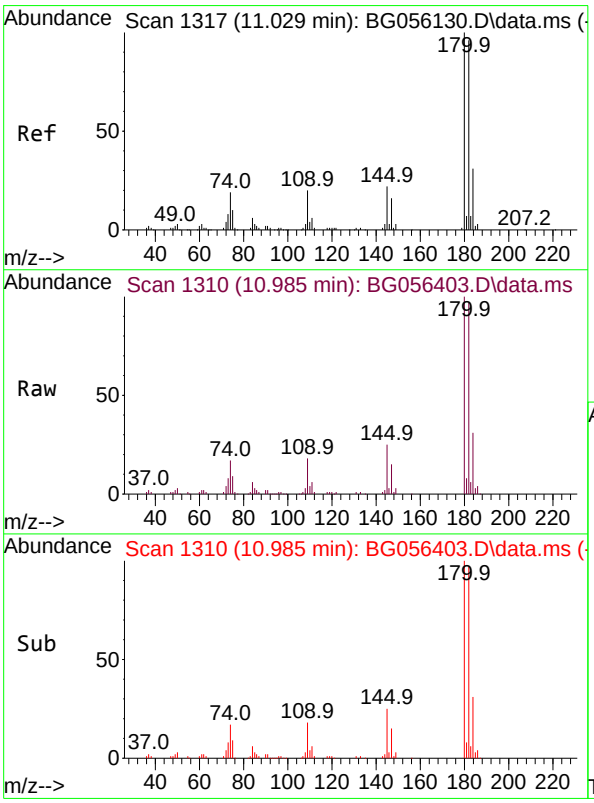
Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.3	83.3
98	26.1	6.8	46.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

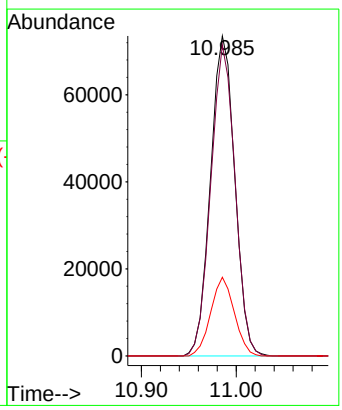
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

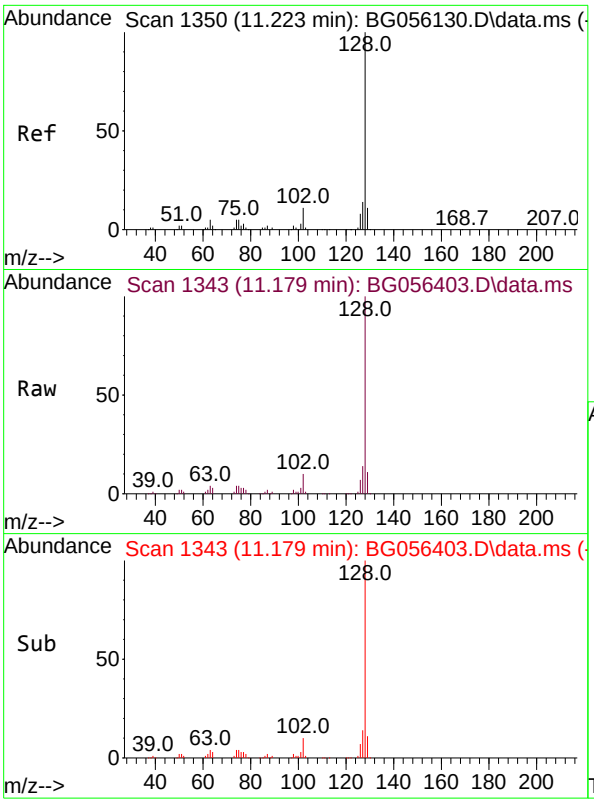


#30
1,2,4-Trichlorobenzene
Concen: 39.533 ng
RT: 10.985 min Scan# 1310
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:180 Resp: 130748

Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.0	115.4
145	24.6	17.4	26.2

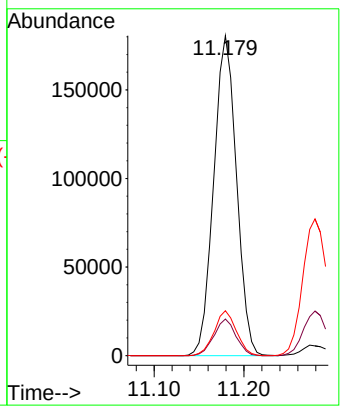




#31
Naphthalene
Concen: 41.487 ng
RT: 11.179 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:128 Resp: 31835

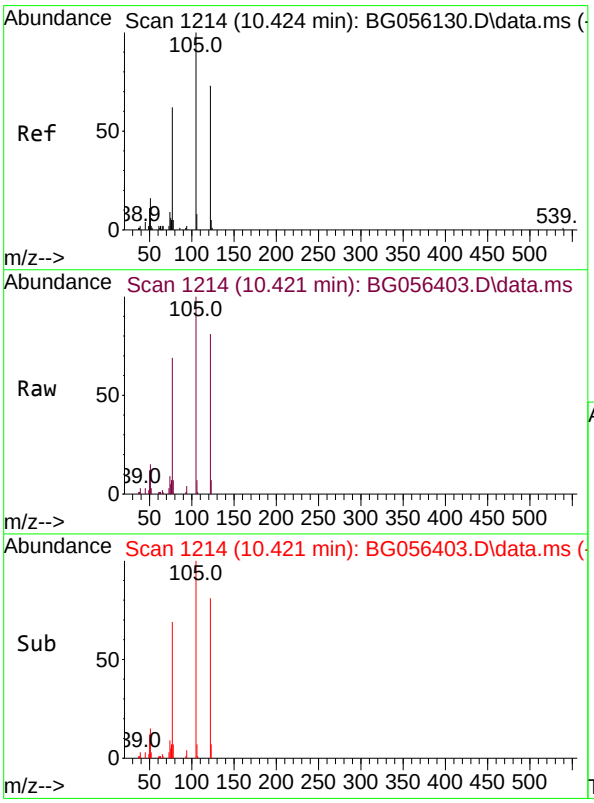
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.9	13.3
127	14.0	11.2	16.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

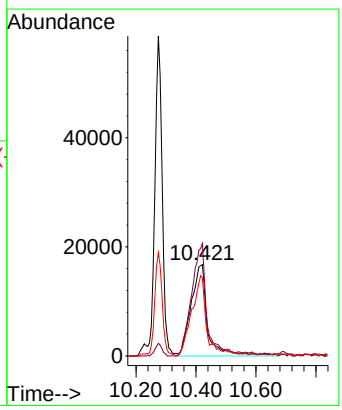
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

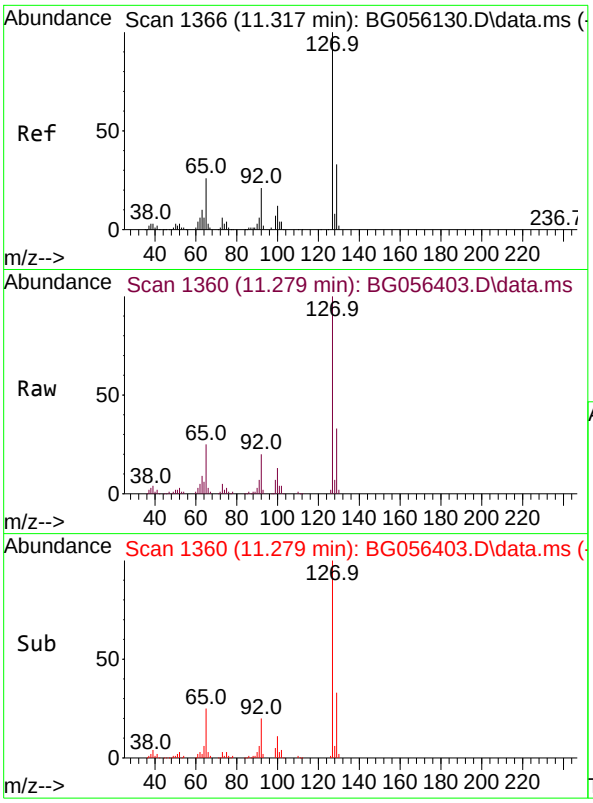


#32
Benzoic acid
Concen: 32.702 ng m
RT: 10.421 min Scan# 1214
Delta R.T. 0.013 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:122 Resp: 63965

Ion	Ratio	Lower	Upper
122	100		
105	123.2	109.0	149.0
77	85.3	63.1	103.1

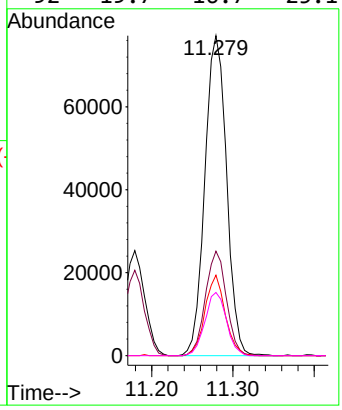




#33
4-Chloroaniline
Concen: 39.145 ng
RT: 11.279 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:127 Resp: 14341

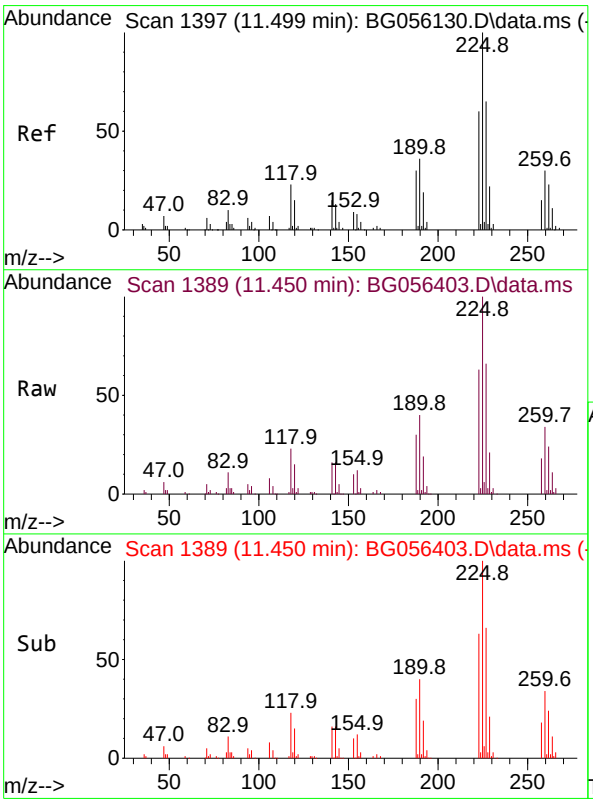
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	25.1	20.9	31.3
92	19.7	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

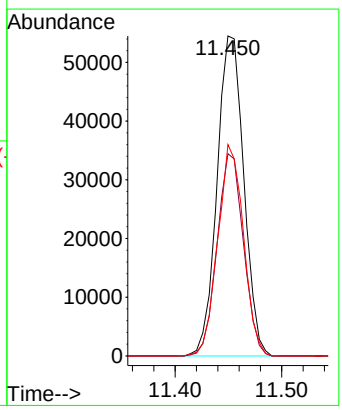
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

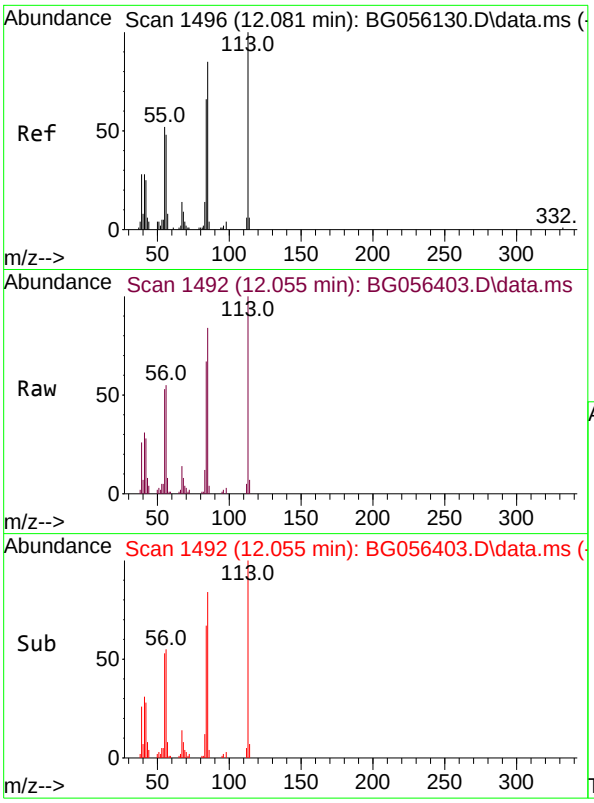


#34
Hexachlorobutadiene
Concen: 39.920 ng
RT: 11.450 min Scan# 1389
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:225 Resp: 94958

Ion	Ratio	Lower	Upper
225	100		
223	59.8	47.7	71.5
227	62.5	52.3	78.5





#35
Caprolactam
Concen: 36.227 ng
RT: 12.055 min Scan# 14
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

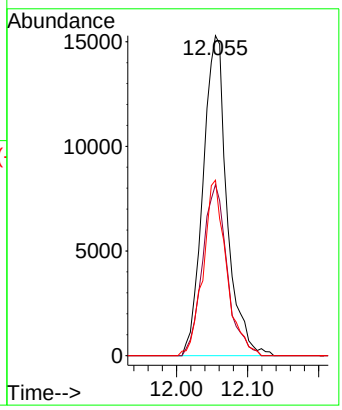
Tgt Ion:113 Resp: 3574

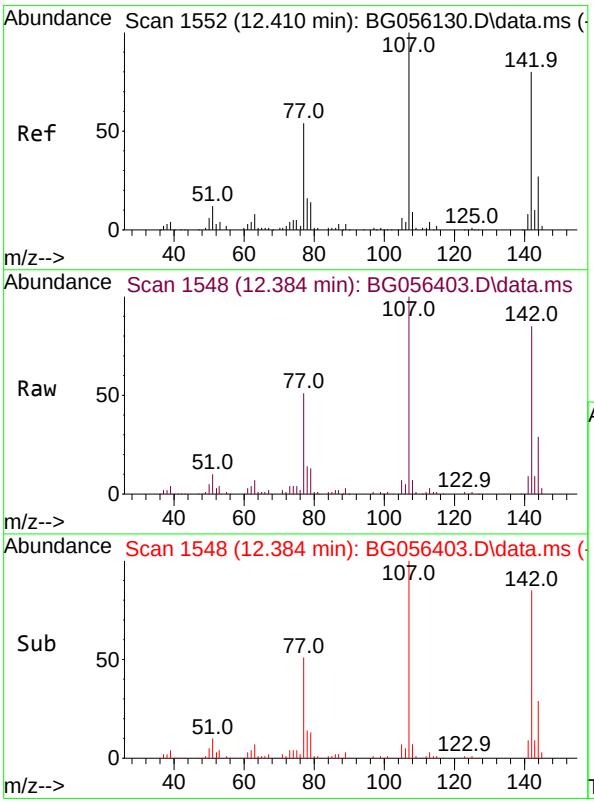
Ion	Ratio	Lower	Upper
113	100		
55	53.4	31.9	71.9
56	54.8	27.6	67.6

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

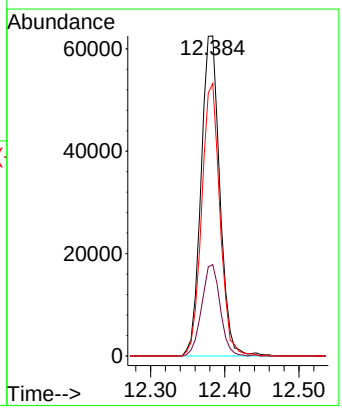


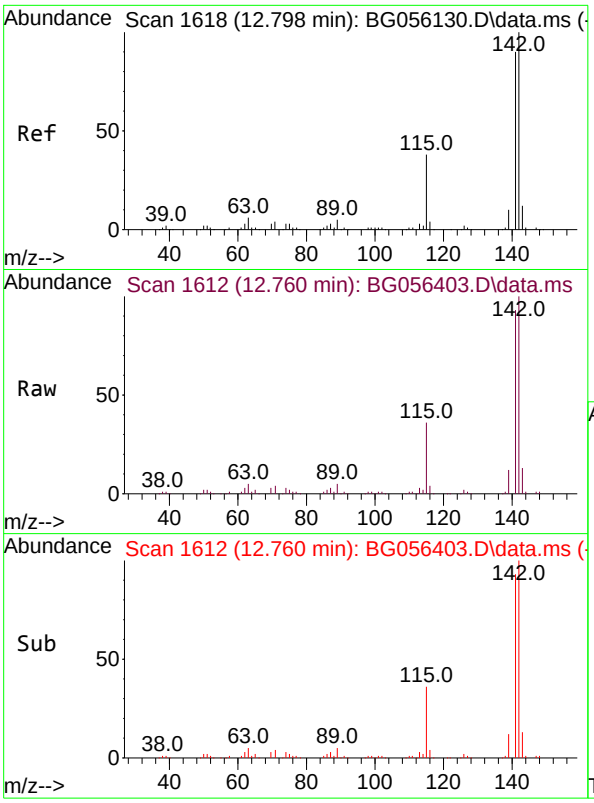


#36
4-Chloro-3-methylphenol
Concen: 37.167 ng
RT: 12.384 min Scan# 1548
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:107 Resp: 109915

Ion	Ratio	Lower	Upper
107	100		
144	28.5	21.5	32.3
142	85.1	63.8	95.6

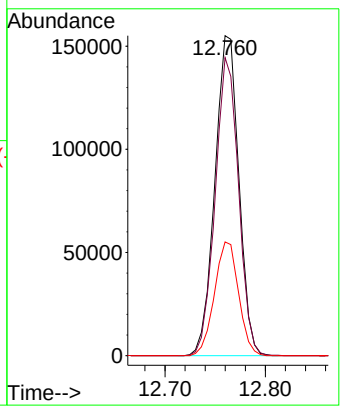




#37
2-Methylnaphthalene
Concen: 39.705 ng
RT: 12.760 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:142 Resp: 25726

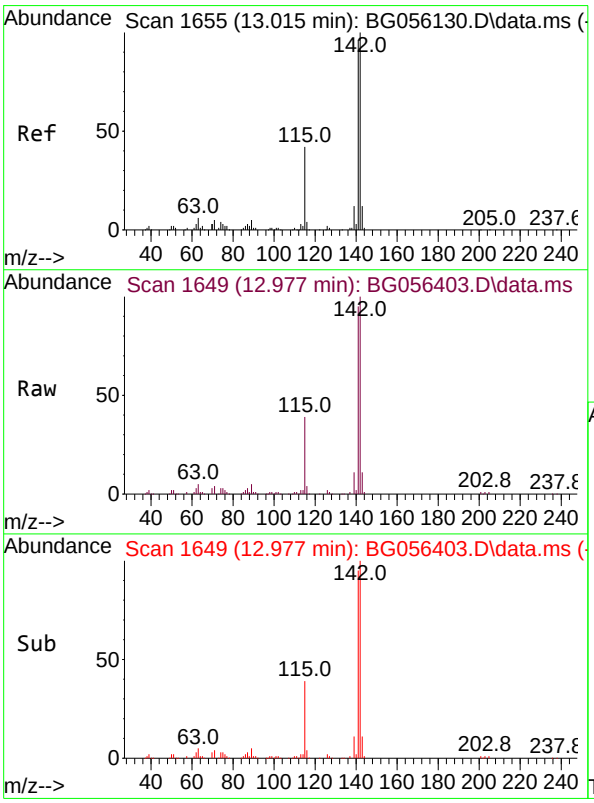
Ion	Ratio	Lower	Upper
142	100		
141	93.1	72.2	108.4
115	35.5	30.7	46.1



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

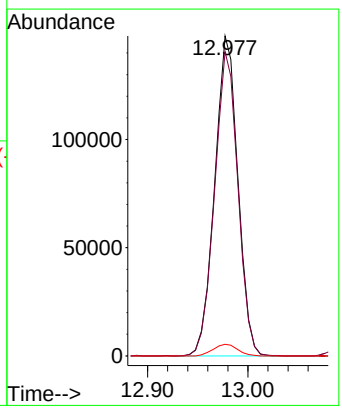
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

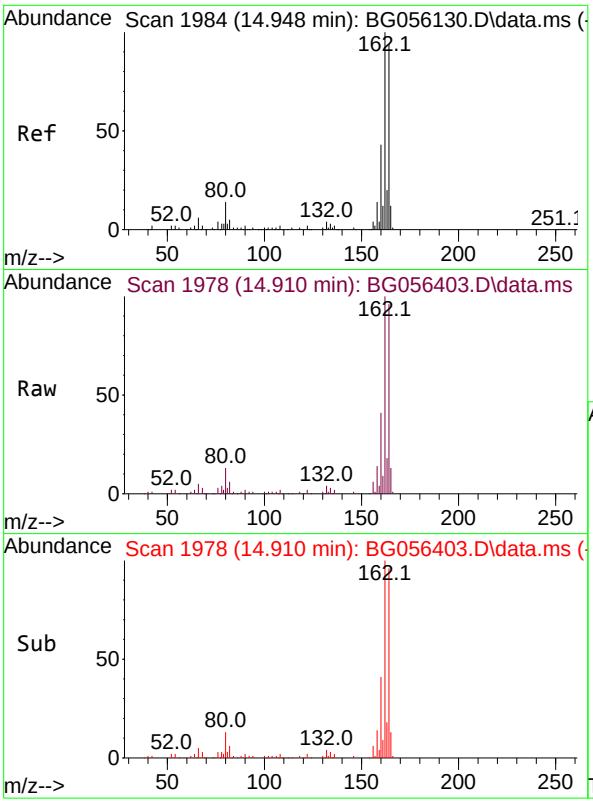


#38
1-Methylnaphthalene
Concen: 39.438 ng
RT: 12.977 min Scan# 1649
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:142 Resp: 237295

Ion	Ratio	Lower	Upper
142	100		
141	95.1	77.0	115.6
116	3.6	3.6	5.4

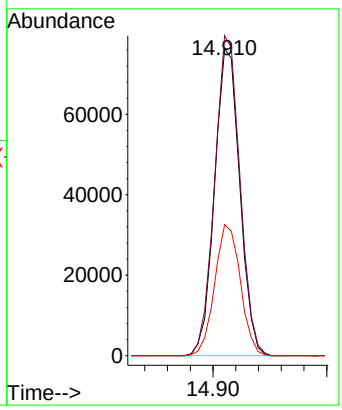




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.910 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:164 Resp: 11742

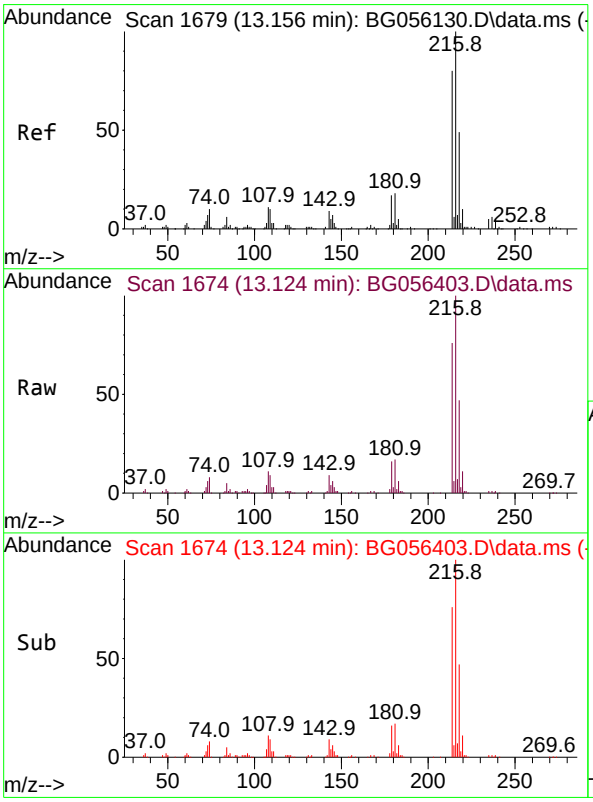
Ion	Ratio	Lower	Upper
164	100		
162	104.3	84.7	127.1
160	42.7	36.3	54.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

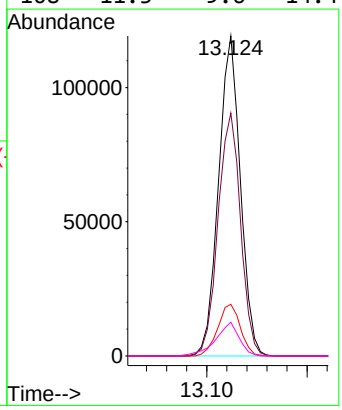
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

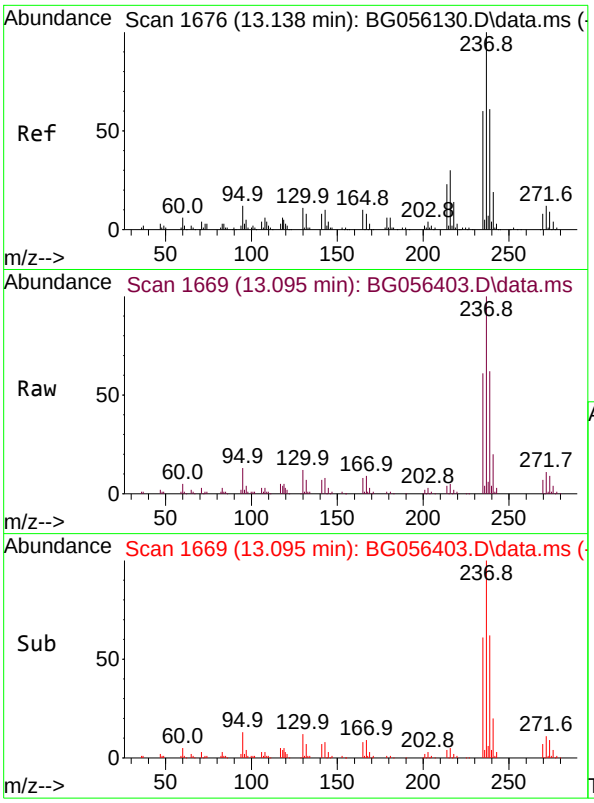


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.977 ng
RT: 13.124 min Scan# 1674
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:216 Resp: 180335

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.4	95.0
179	16.7	13.6	20.4
108	11.3	9.6	14.4

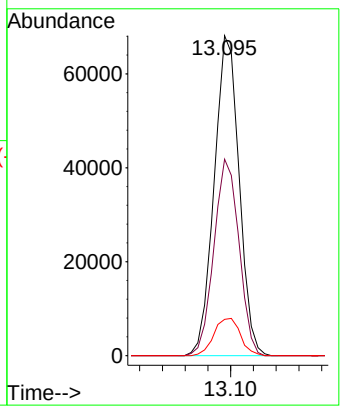




#41
Hexachlorocyclopentadiene
Concen: 41.269 ng
RT: 13.095 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:237 Resp: 10354

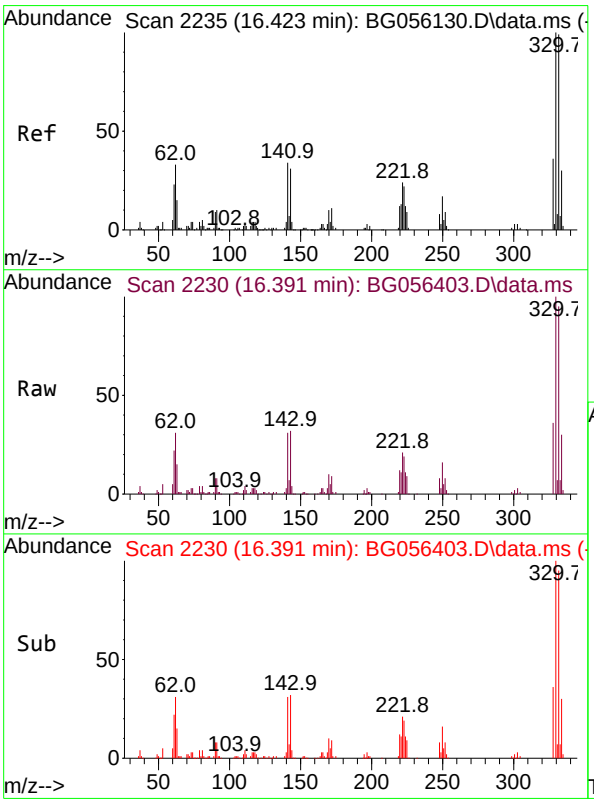
Ion	Ratio	Lower	Upper
237	100		
235	61.4	40.3	80.3
272	11.3	0.0	32.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

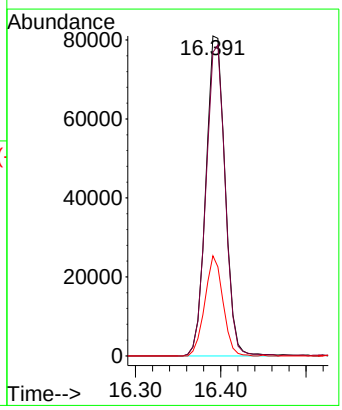
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

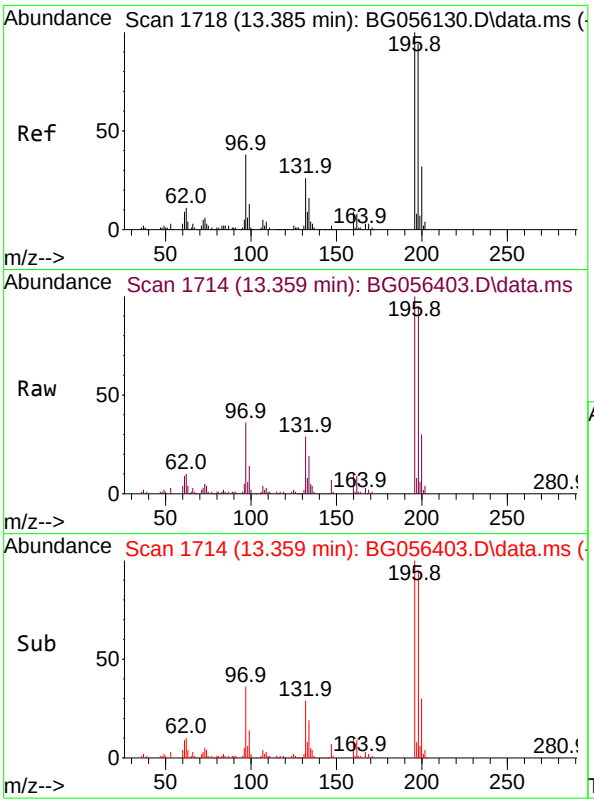


#42
2,4,6-Tribromophenol
Concen: 85.010 ng
RT: 16.391 min Scan# 2230
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:330 Resp: 126420

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.3	115.9
141	29.5	27.9	41.9

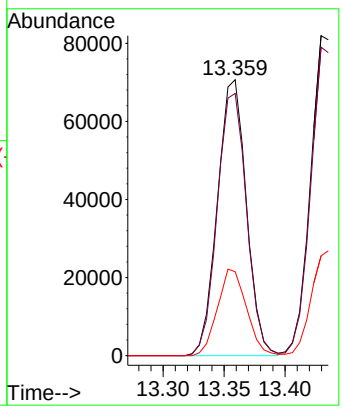




#43
2,4,6-Trichlorophenol
Concen: 40.108 ng
RT: 13.359 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:196 Resp: 11671

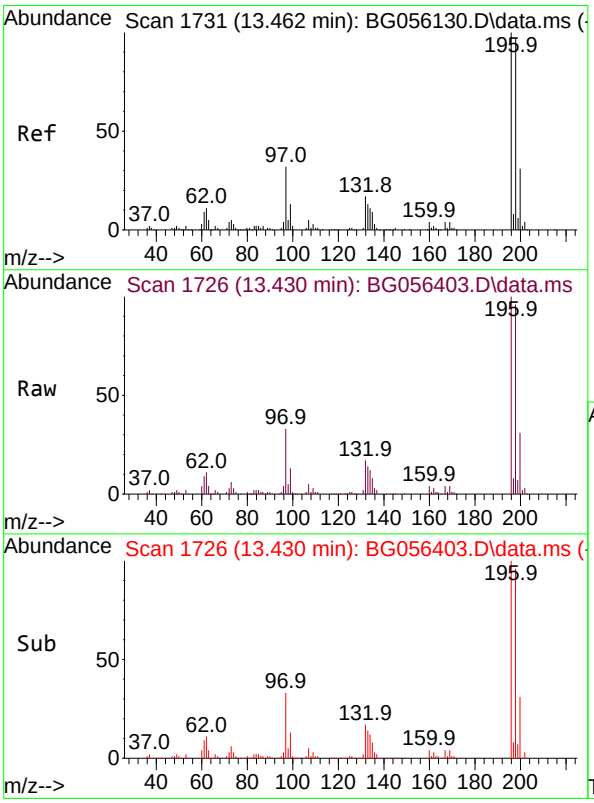
Ion	Ratio	Lower	Upper
196	100		
198	95.0	75.5	113.3
200	30.4	25.7	38.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

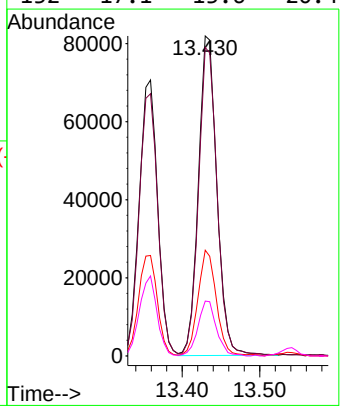
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

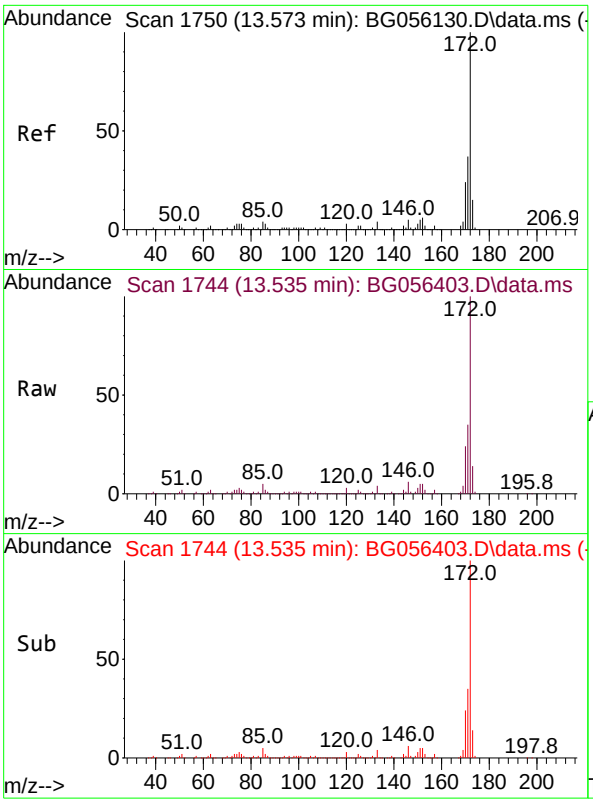


#44
2,4,5-Trichlorophenol
Concen: 39.362 ng
RT: 13.430 min Scan# 1726
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:196 Resp: 135502

Ion	Ratio	Lower	Upper
196	100		
198	96.4	78.0	117.0
97	33.0	25.7	38.5
132	17.1	13.6	20.4

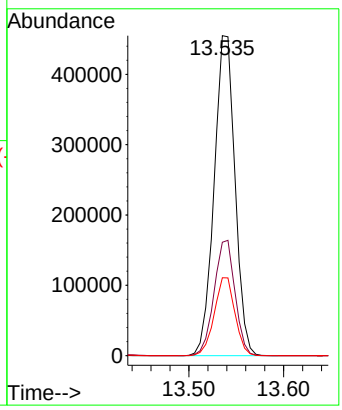




#45
2-Fluorobiphenyl
Concen: 81.827 ng
RT: 13.535 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:172 Resp: 69579

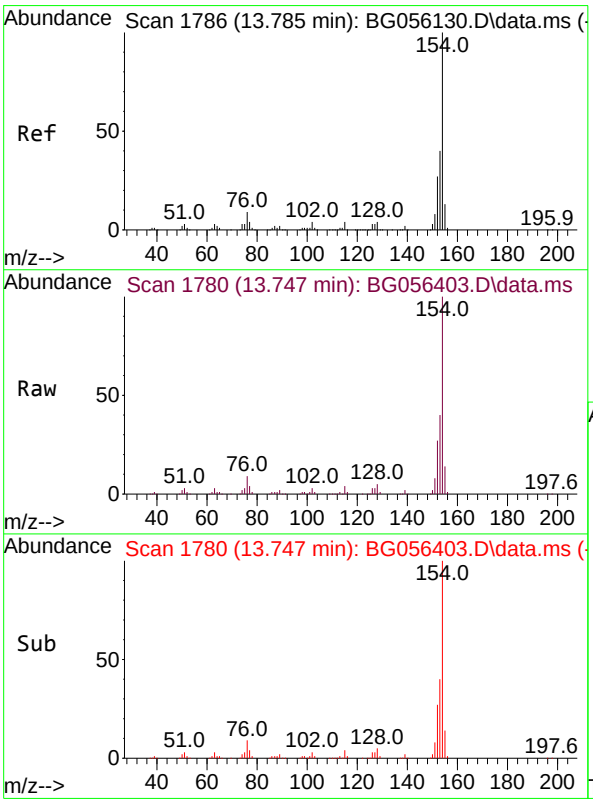
Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	24.3	19.4	29.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

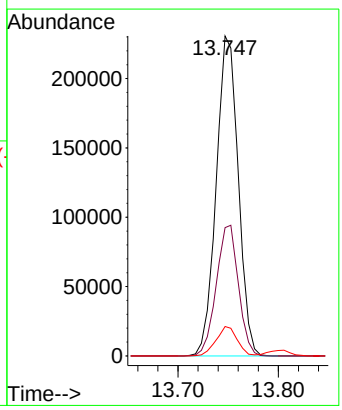
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

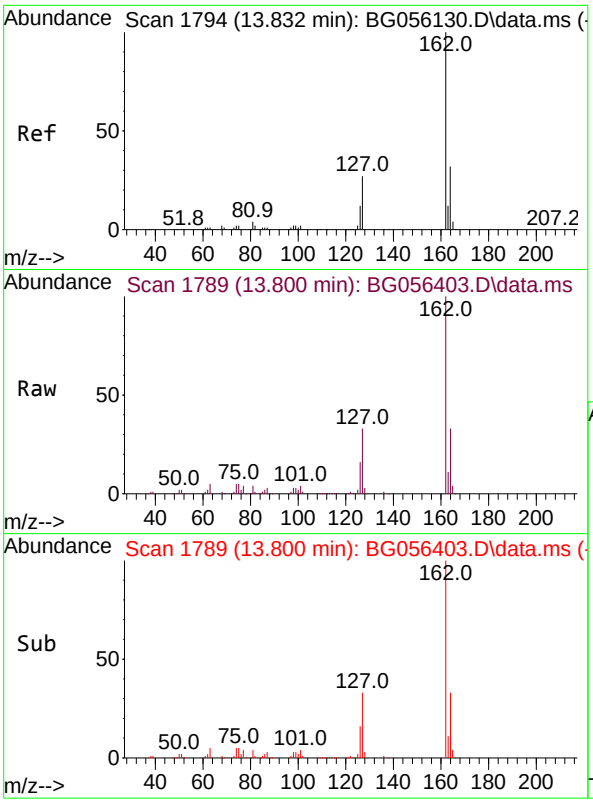


#46
1,1'-Biphenyl
Concen: 41.868 ng
RT: 13.747 min Scan# 1780
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:154 Resp: 352079

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.0	60.0
76	9.2	0.0	29.3

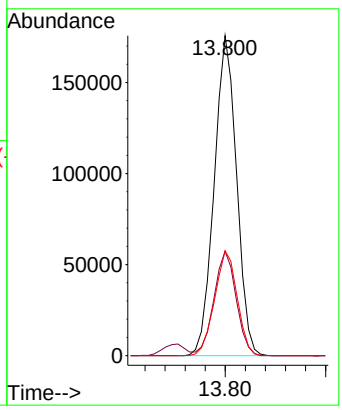




#47
2-Chloronaphthalene
Concen: 41.042 ng
RT: 13.800 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:162 Resp: 27242

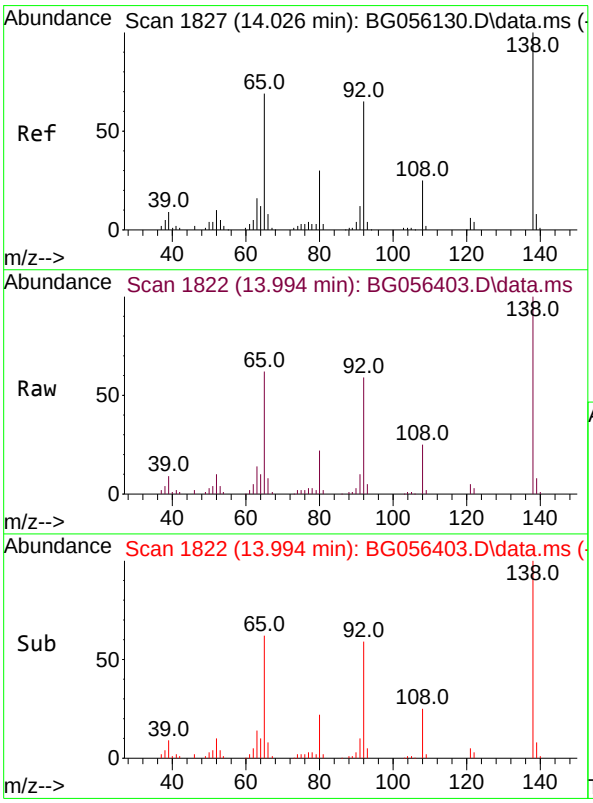
Ion	Ratio	Lower	Upper
162	100		
127	32.6	24.6	36.8
164	32.7	25.8	38.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

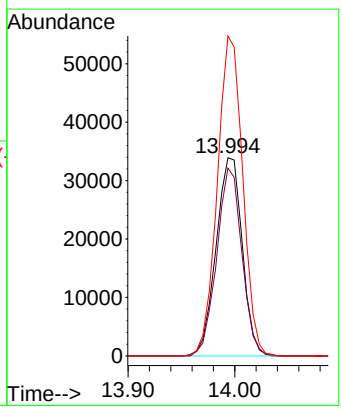
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

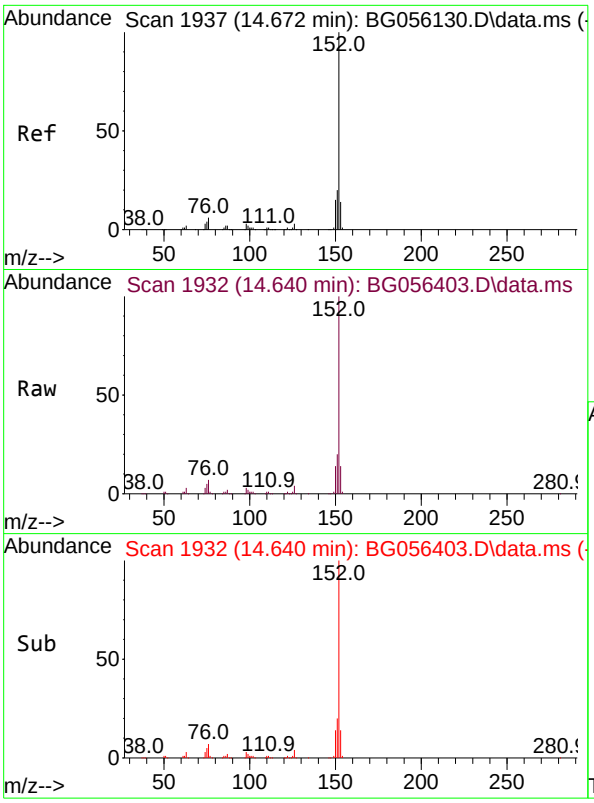


#48
2-Nitroaniline
Concen: 40.848 ng
RT: 13.994 min Scan# 1822
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 65 Resp: 57769

Ion	Ratio	Lower	Upper
65	100		
92	94.7	76.0	114.0
138	161.5	116.6	174.8

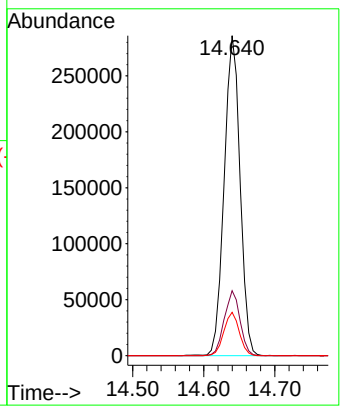




#49
Acenaphthylene
Concen: 41.155 ng
RT: 14.640 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:152 Resp: 44453

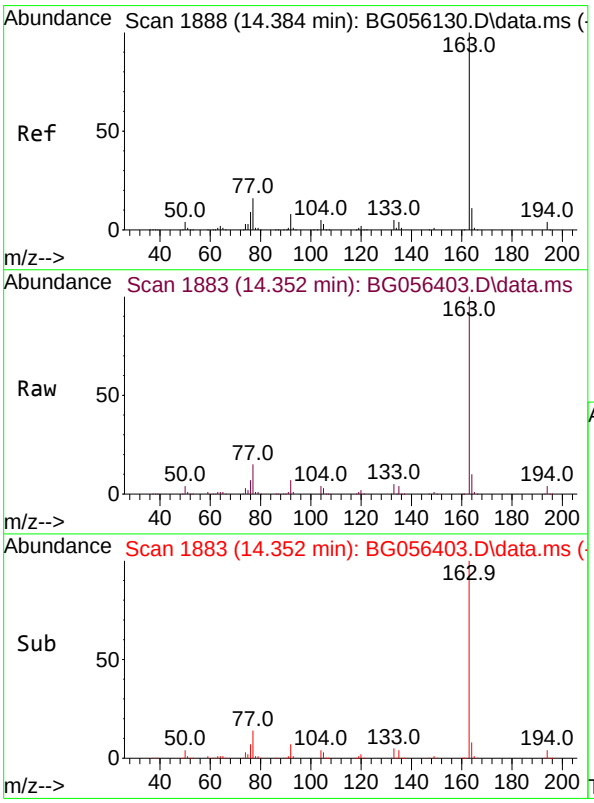
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	13.5	11.0	16.6



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

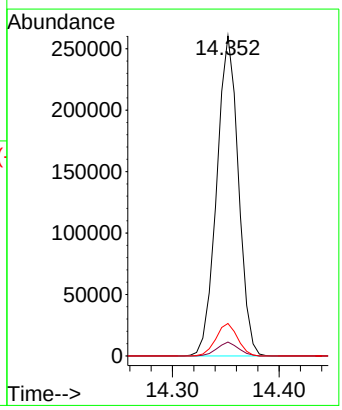
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

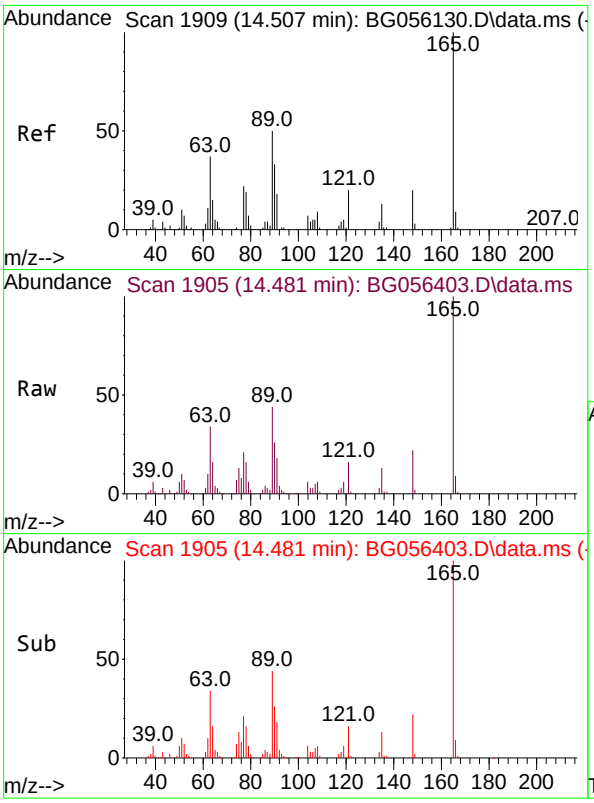


#50
Dimethylphthalate
Concen: 38.924 ng
RT: 14.352 min Scan# 1883
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:163 Resp: 368960

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.1	8.7	13.1

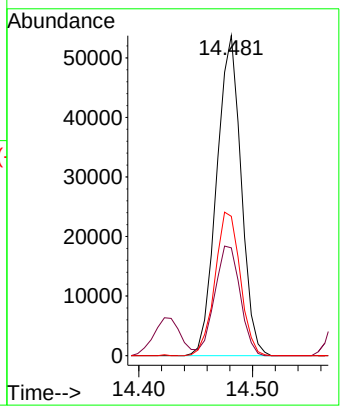




#51
2,6-Dinitrotoluene
Concen: 39.726 ng
RT: 14.481 min Scan# 19
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:165 Resp: 8023

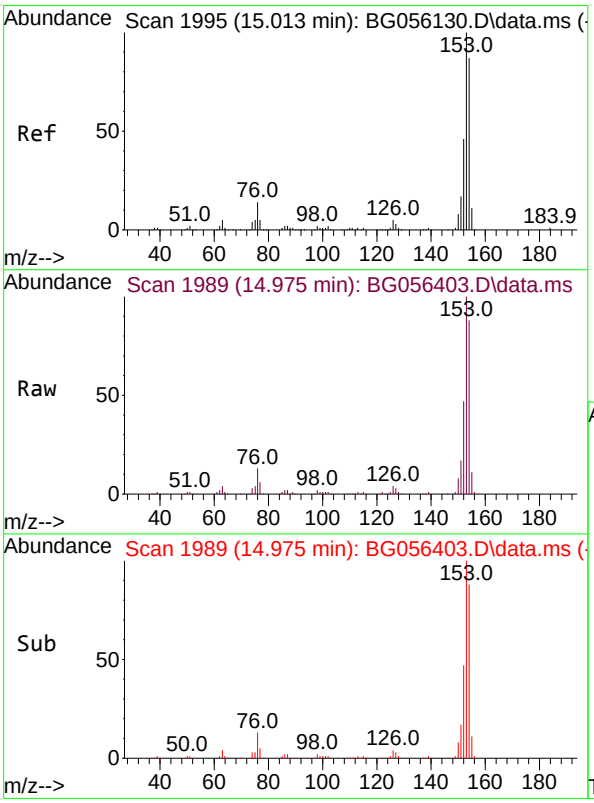
Ion	Ratio	Lower	Upper
165	100		
63	33.7	32.2	48.2
89	43.5	39.8	59.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

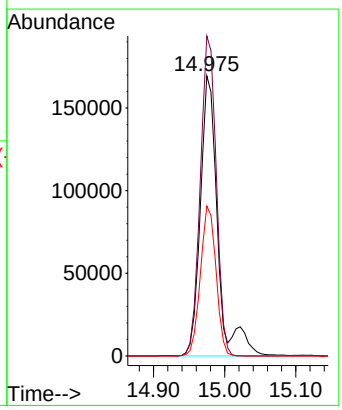
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

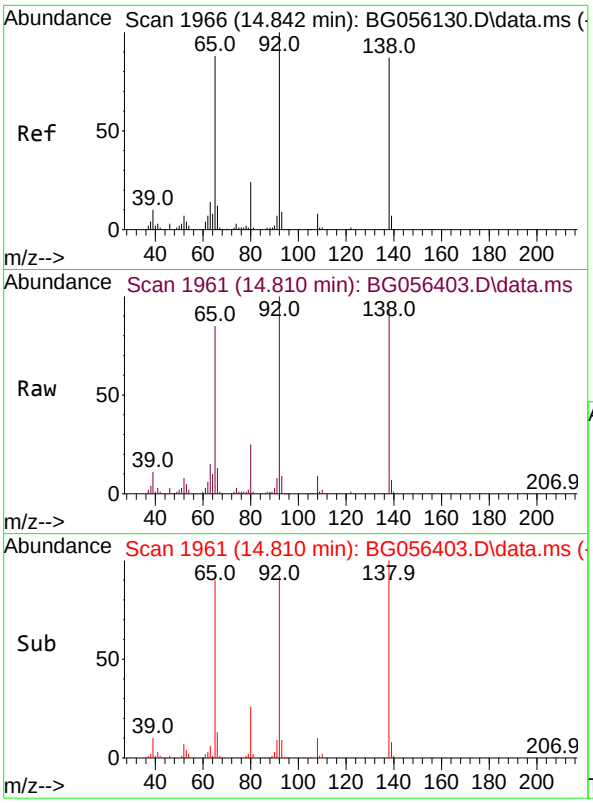


#52
Acenaphthene
Concen: 40.916 ng m
RT: 14.975 min Scan# 1989
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:154 Resp: 287442

Ion	Ratio	Lower	Upper
154	100		
153	114.3	92.0	138.0
152	53.5	42.5	63.7





#53
3-Nitroaniline
Concen: 41.408 ng
RT: 14.810 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

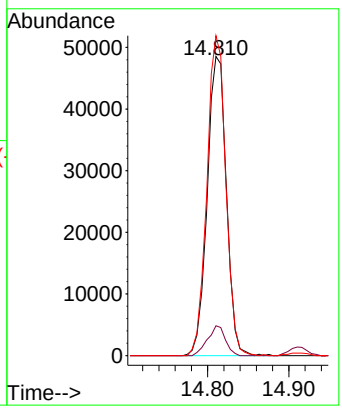
Tgt Ion:138 Resp: 7959

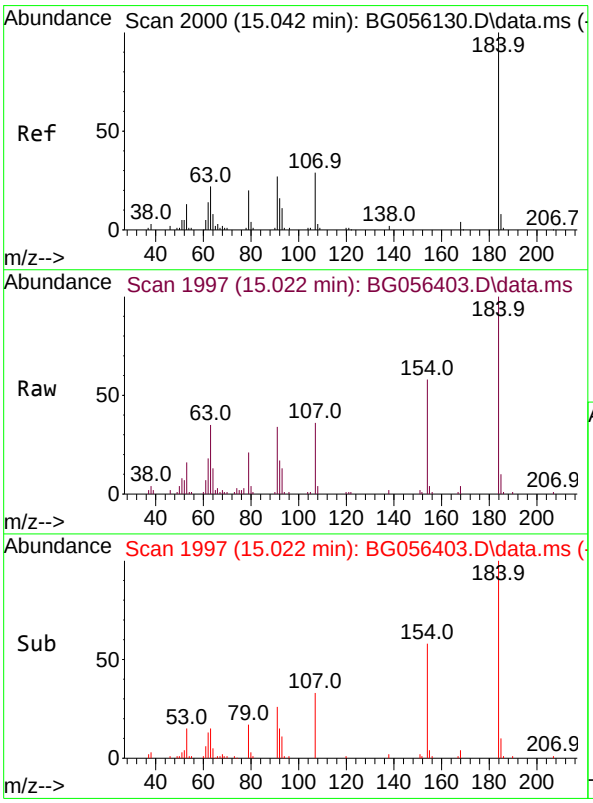
Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.6	11.4
92	107.0	91.7	137.5

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

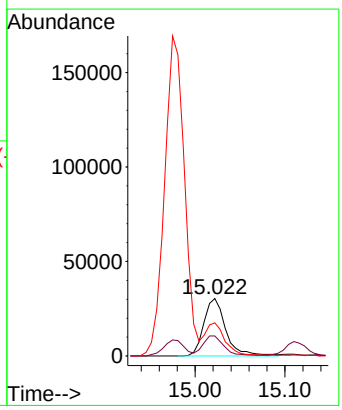


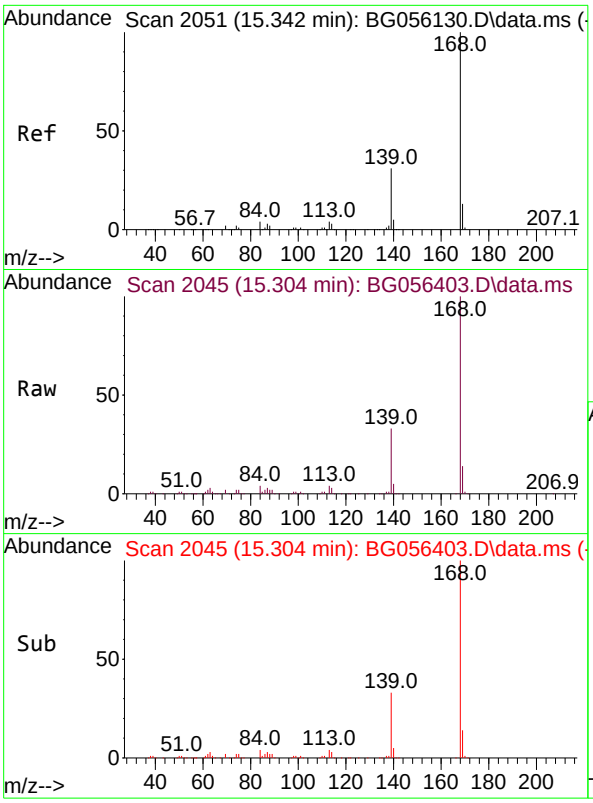


#54
2,4-Dinitrophenol
Concen: 35.805 ng
RT: 15.022 min Scan# 1997
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:184 Resp: 51664

Ion	Ratio	Lower	Upper
184	100		
63	34.6	24.0	36.0
154	57.8	45.4	68.0

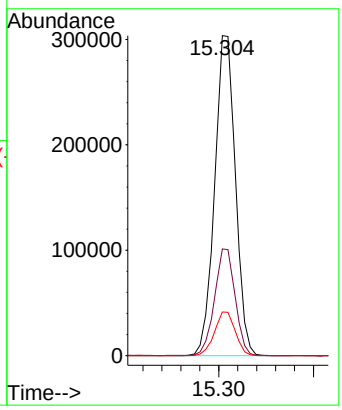




#55
Dibenzofuran
Concen: 39.657 ng
RT: 15.304 min Scan# 20
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:168 Resp: 46102

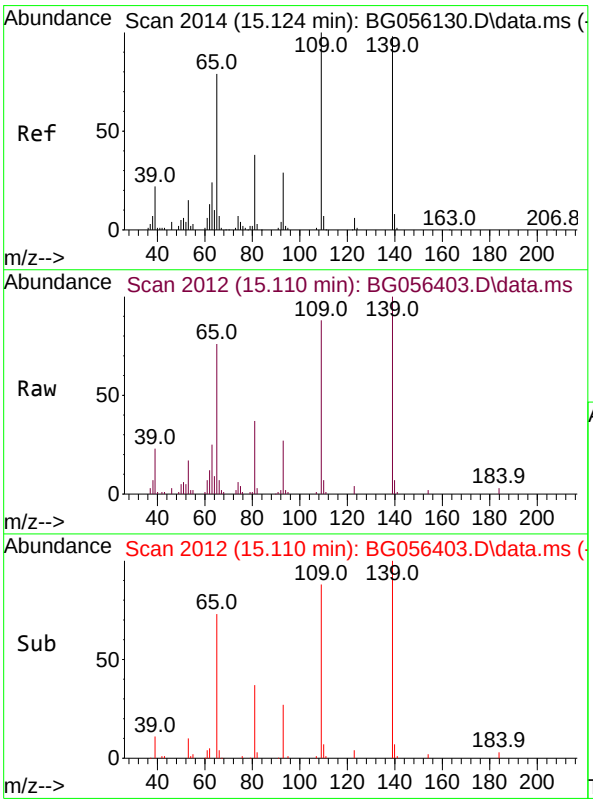
Ion	Ratio	Lower	Upper
168	100		
139	33.4	24.7	37.1
169	13.6	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

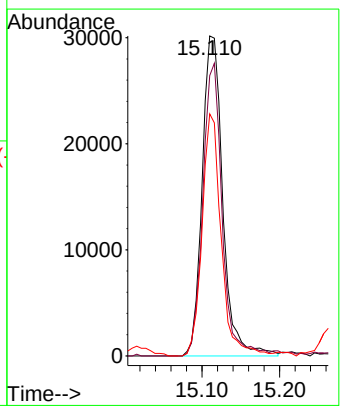
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

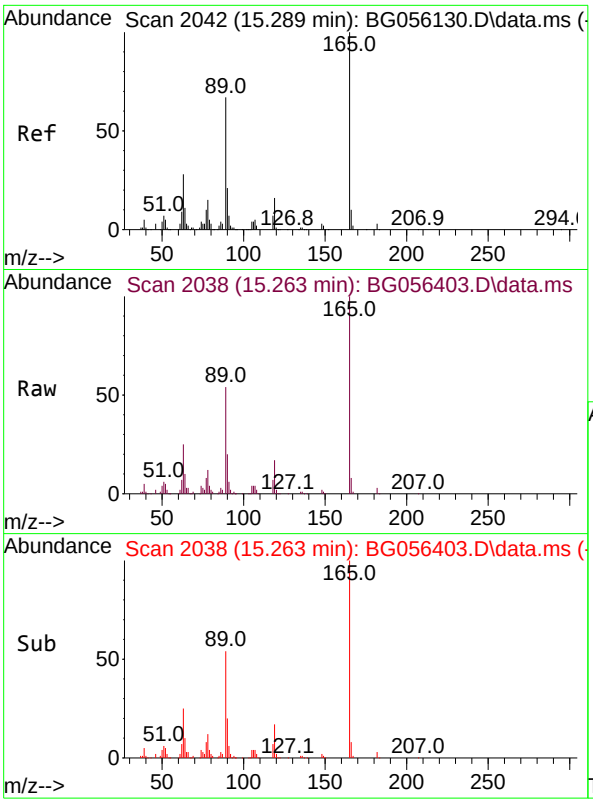


#56
4-Nitrophenol
Concen: 37.655 ng
RT: 15.110 min Scan# 2012
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:139 Resp: 55668

Ion	Ratio	Lower	Upper
139	100		
109	87.6	82.2	122.2
65	75.6	60.6	100.6

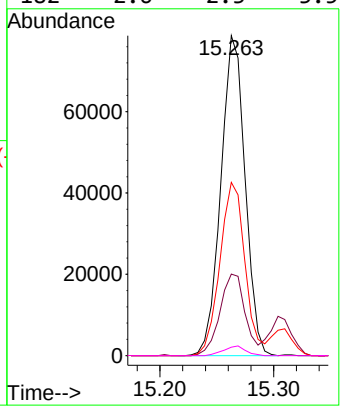




#57
2,4-Dinitrotoluene
Concen: 41.260 ng
RT: 15.263 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:165 Resp: 11654

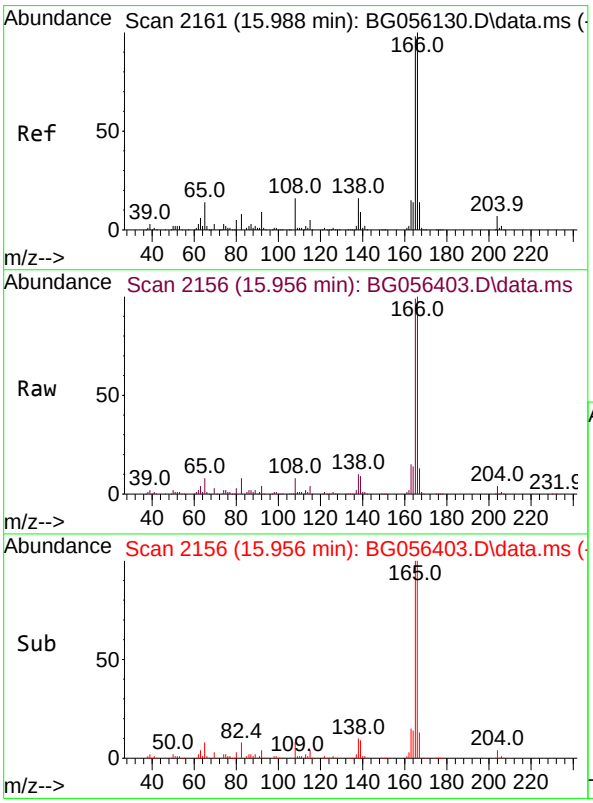
Ion	Ratio	Lower	Upper
165	100		
63	25.5	22.6	34.0
89	54.1	53.2	79.8
182	2.6	2.3	3.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

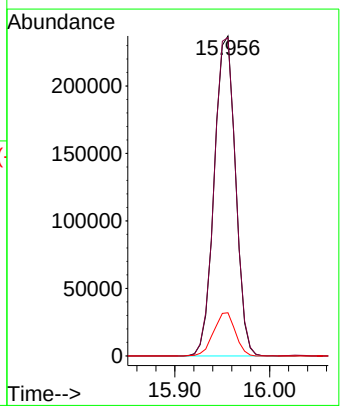
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

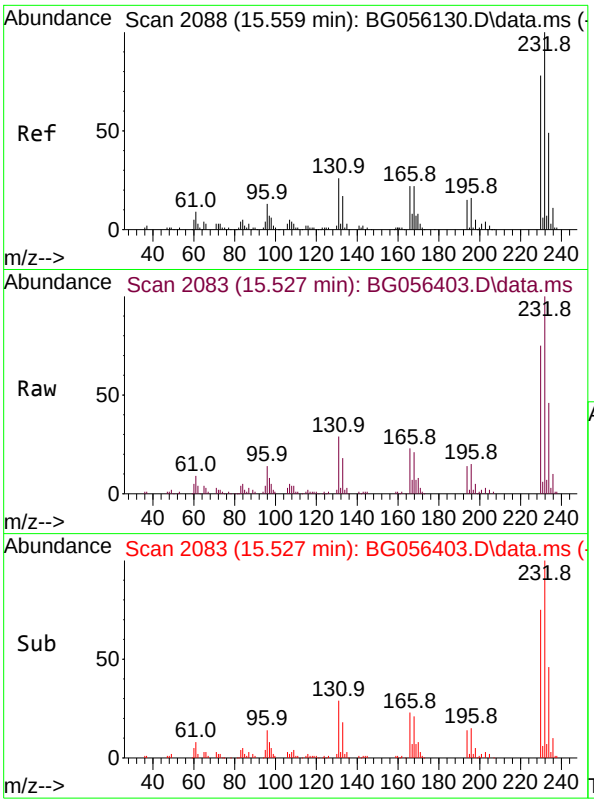


#58
Fluorene
Concen: 39.419 ng
RT: 15.956 min Scan# 2156
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:166 Resp: 368586

Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.6	118.0
167	13.5	11.1	16.7

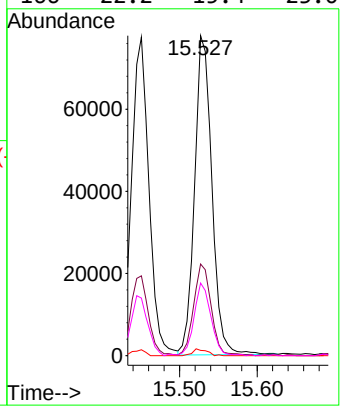




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.238 ng
RT: 15.527 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:232 Resp: 12036

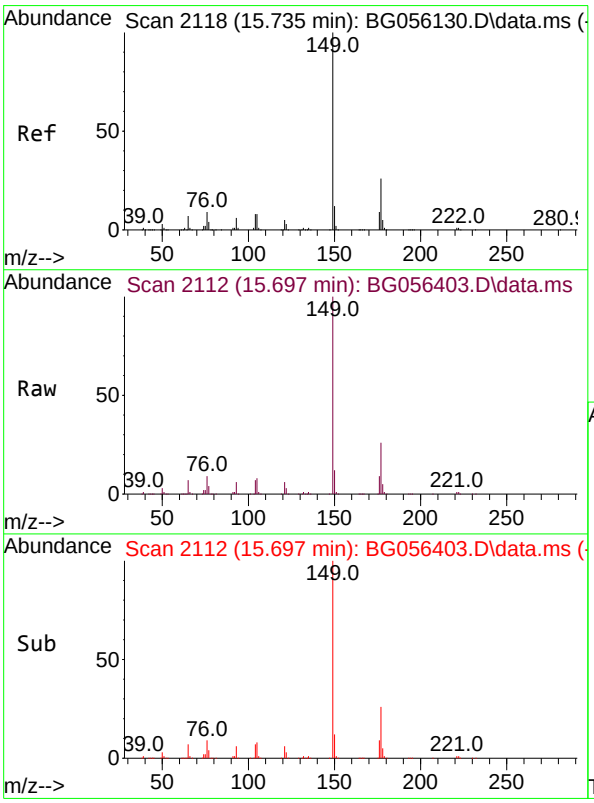
Ion	Ratio	Lower	Upper
232	100		
131	29.1	21.4	32.2
130	1.7	1.4	2.0
166	22.2	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

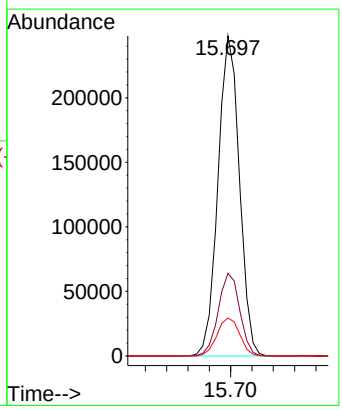
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

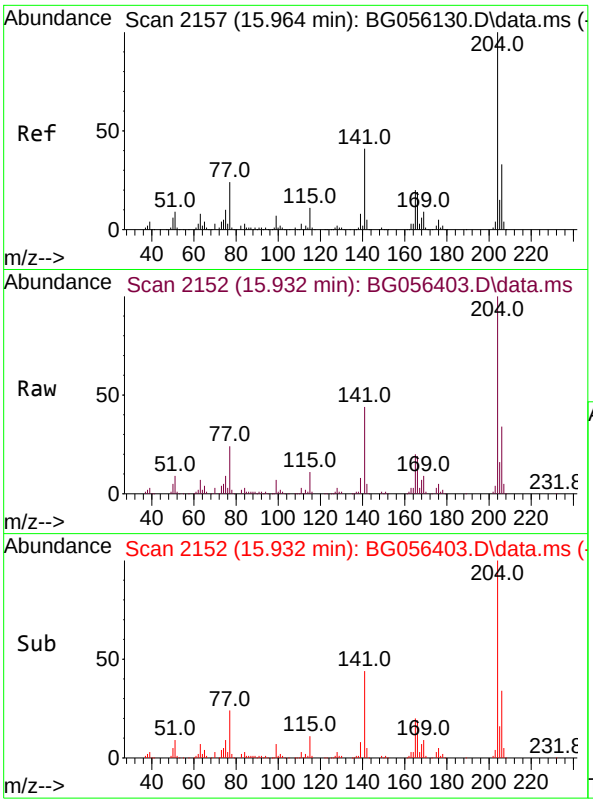


#60
Diethylphthalate
Concen: 38.884 ng
RT: 15.697 min Scan# 2112
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:149 Resp: 345654

Ion	Ratio	Lower	Upper
149	100		
177	25.8	20.6	31.0
150	11.8	9.9	14.9





#61
4-Chlorophenyl-phenylether
Concen: 38.608 ng
RT: 15.932 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

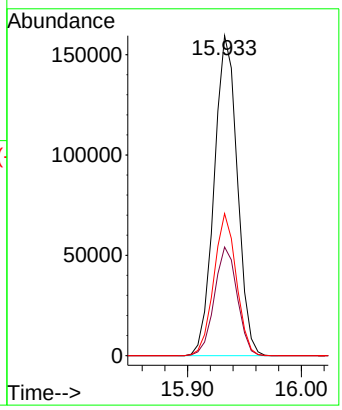
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

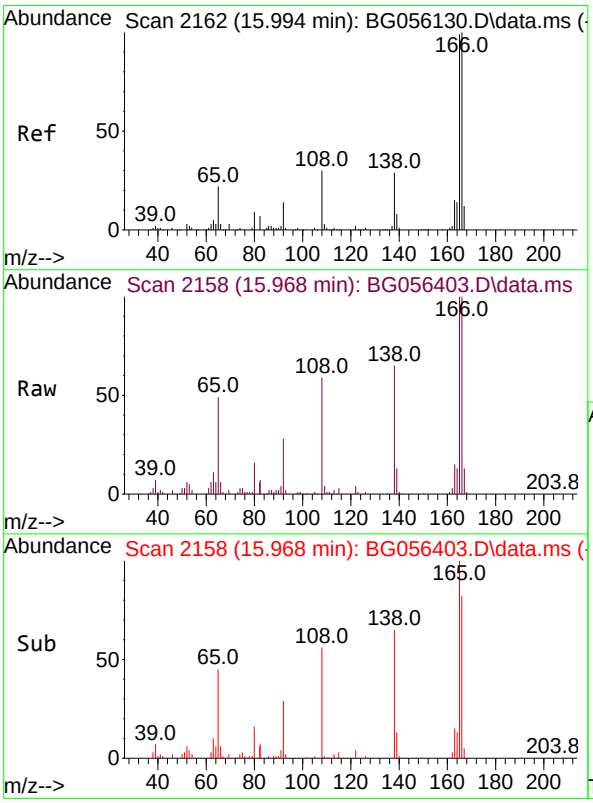
Tgt Ion:204 Resp: 225290

Ion	Ratio	Lower	Upper
204	100		
206	33.9	26.4	39.6
141	44.4	33.0	49.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

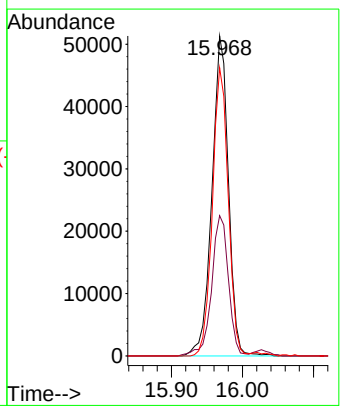


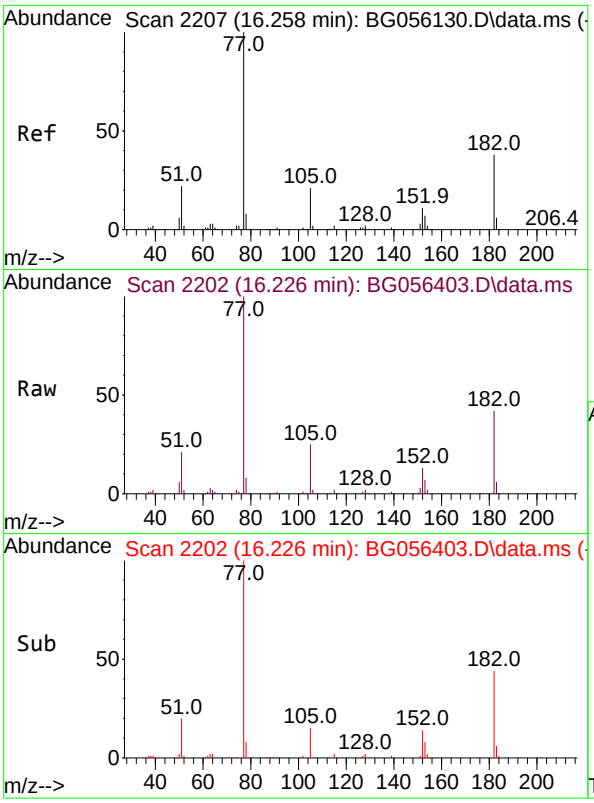


#62
4-Nitroaniline
Concen: 41.982 ng
RT: 15.968 min Scan# 2158
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:138 Resp: 82664

Ion	Ratio	Lower	Upper
138	100		
92	43.8	28.6	68.6
108	90.0	83.4	123.4

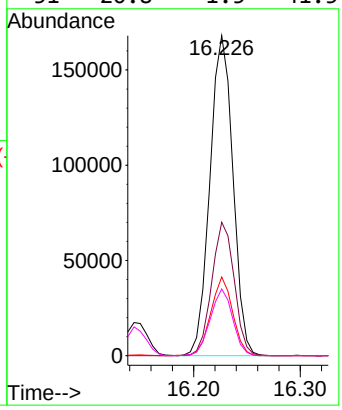




#63
Azobenzene
Concen: 36.796 ng
RT: 16.226 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion: 77 Resp: 25241

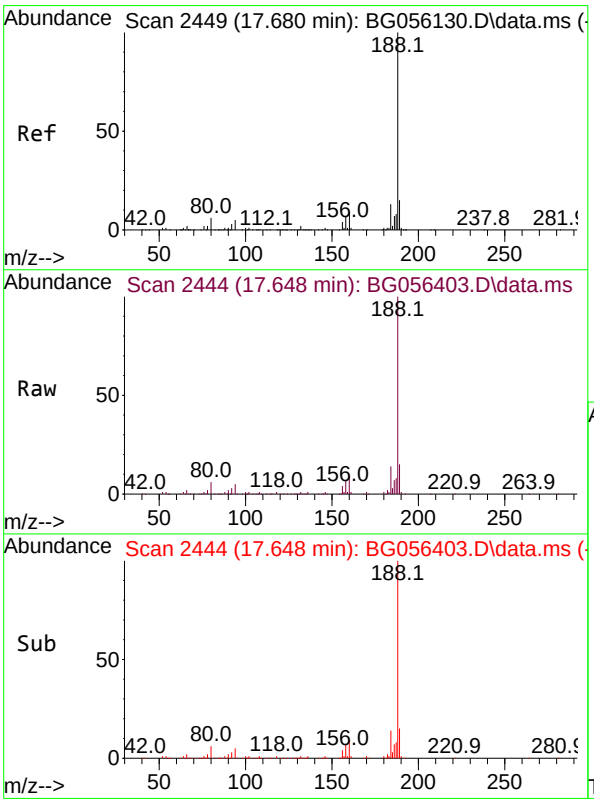
Ion	Ratio	Lower	Upper
77	100		
182	41.7	18.5	58.5
105	24.6	1.4	41.4
51	20.8	1.5	41.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

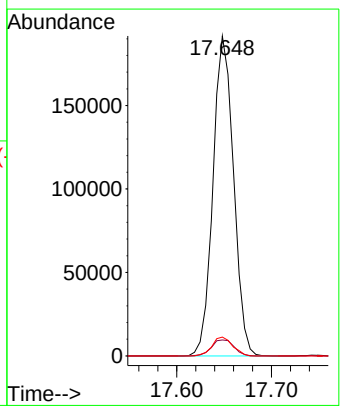
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

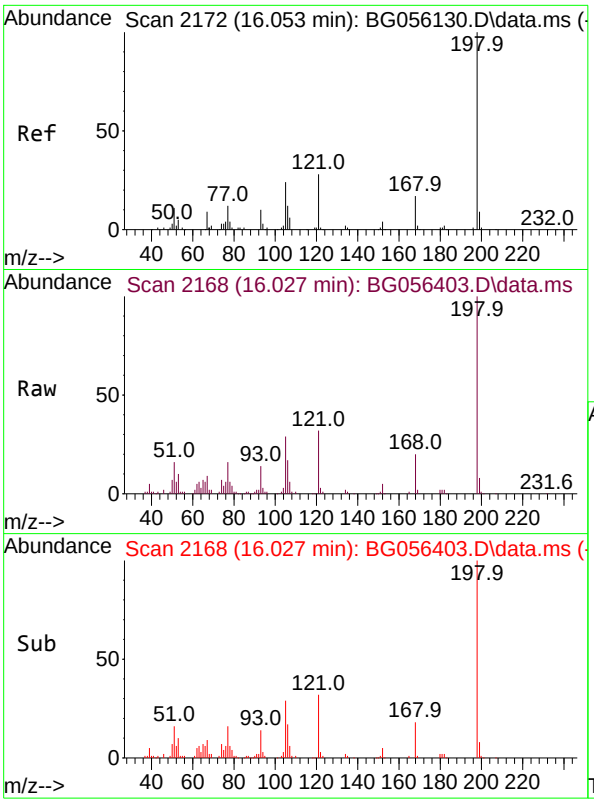


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.648 min Scan# 2444
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:188 Resp: 289164

Ion	Ratio	Lower	Upper
188	100		
94	5.0	4.2	6.2
80	5.9	5.0	7.4

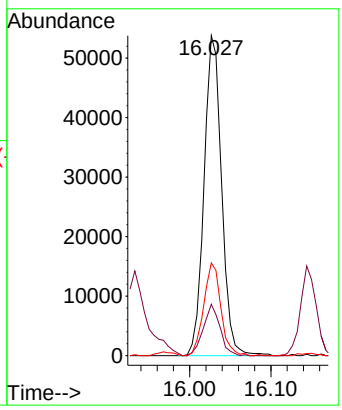




#65
4,6-Dinitro-2-methylphenol
Concen: 41.467 ng
RT: 16.027 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:198 Resp: 8078

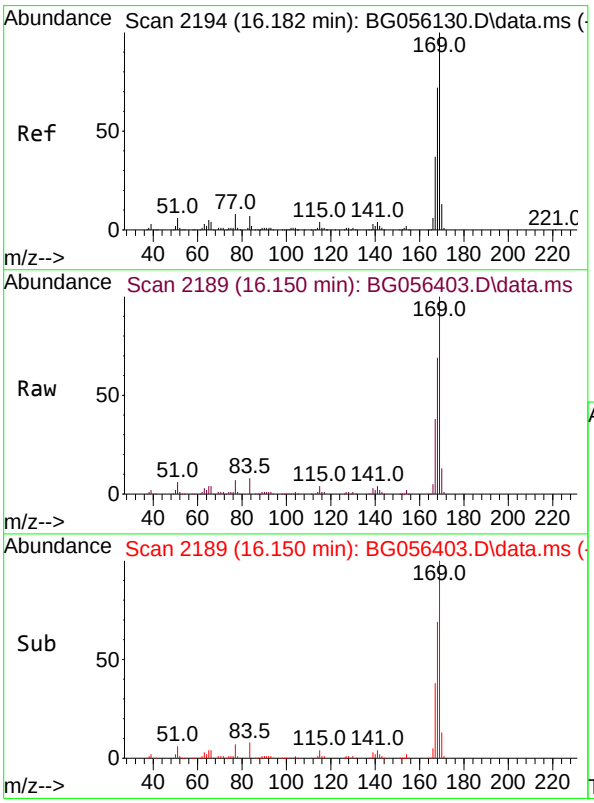
Ion	Ratio	Lower	Upper
198	100		
51	16.0	0.0	33.2
105	29.0	4.9	44.9



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

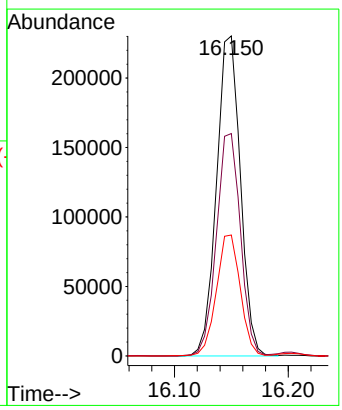
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

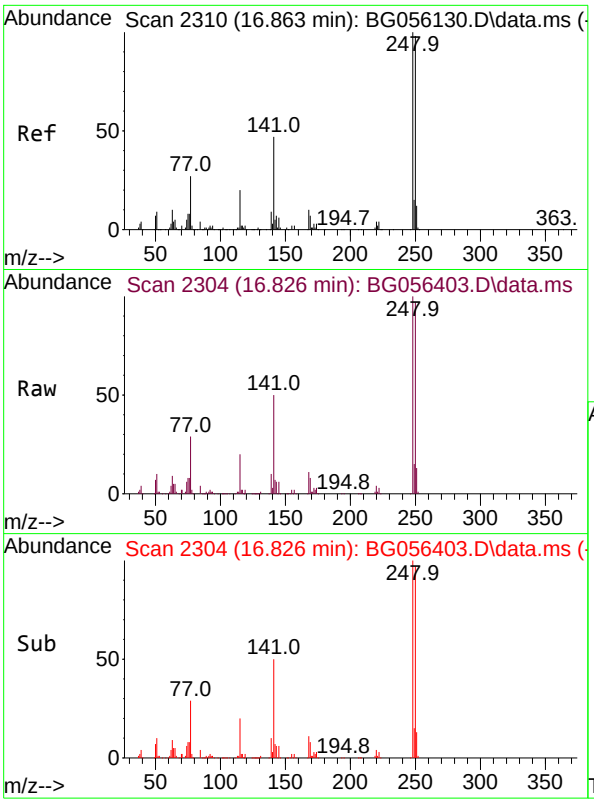


#66
n-Nitrosodiphenylamine
Concen: 41.840 ng
RT: 16.150 min Scan# 2189
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:169 Resp: 335682

Ion	Ratio	Lower	Upper
169	100		
168	69.5	58.0	87.0
167	37.8	30.0	45.0





#67
4-Bromophenyl-phenylether
Concen: 41.480 ng
RT: 16.826 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

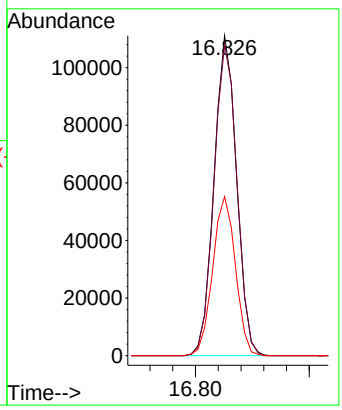
Tgt Ion:248 Resp: 15274

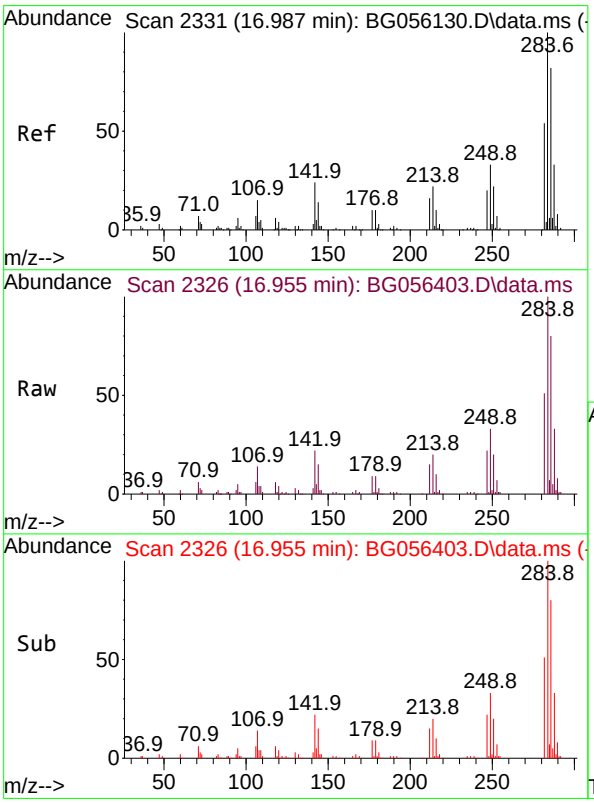
Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.2	117.4
141	49.7	37.6	56.4

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

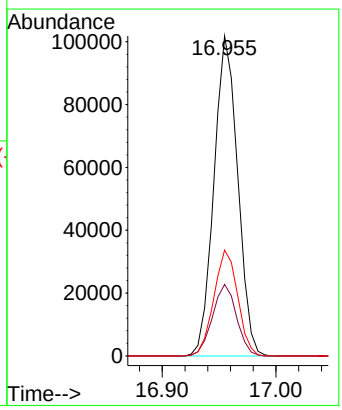


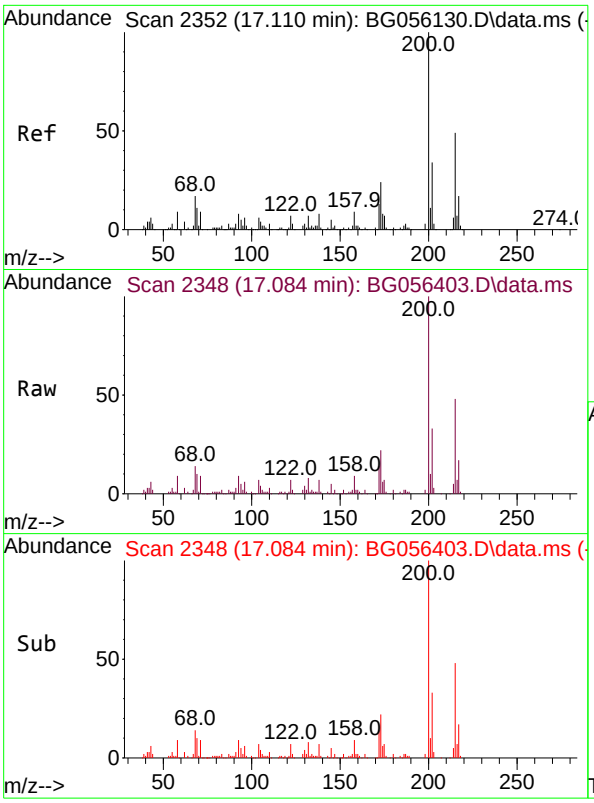


#68
Hexachlorobenzene
Concen: 42.927 ng
RT: 16.955 min Scan# 2326
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:284 Resp: 147472

Ion	Ratio	Lower	Upper
284	100		
142	22.3	19.0	28.6
249	33.1	26.6	39.8





#69
Atrazine
Concen: 40.358 ng
RT: 17.084 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

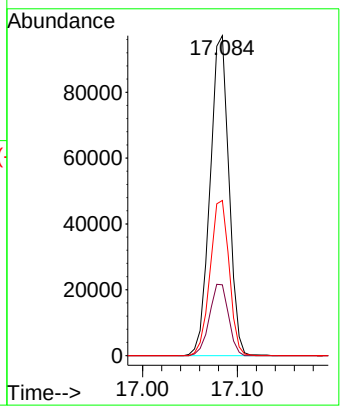
Tgt Ion:200 Resp: 134191

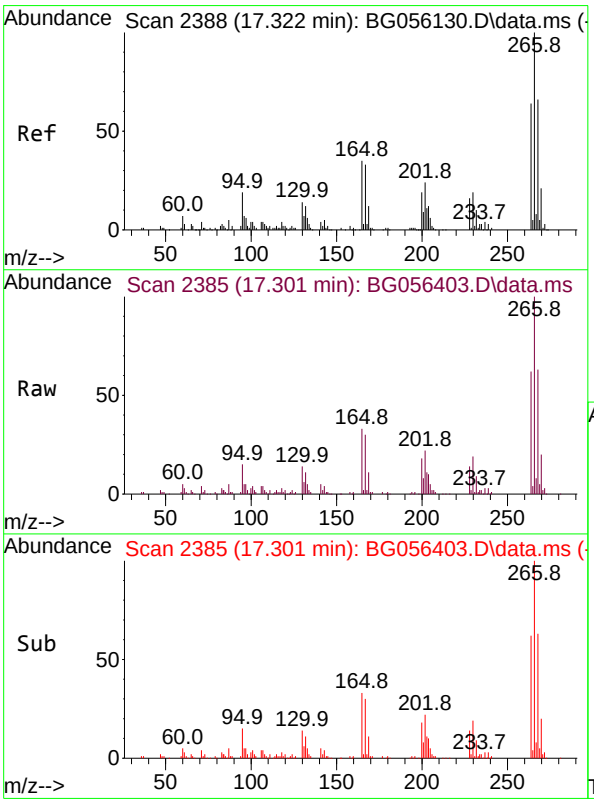
Ion	Ratio	Lower	Upper
200	100		
173	22.1	4.0	44.0
215	48.5	29.1	69.1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

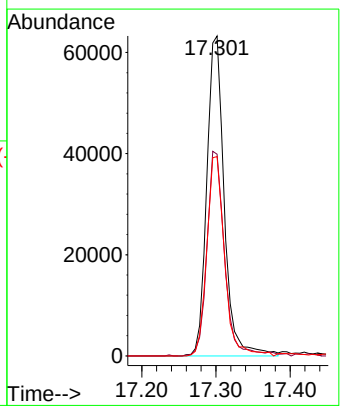


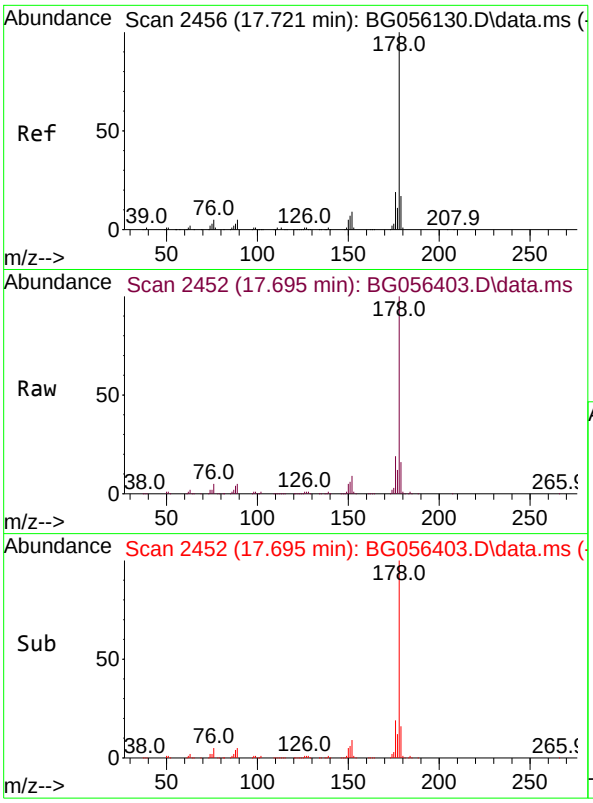


#70
Pentachlorophenol
Concen: 39.141 ng
RT: 17.301 min Scan# 2385
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:266 Resp: 103292

Ion	Ratio	Lower	Upper
266	100		
268	63.0	53.0	79.4
264	62.3	51.4	77.2

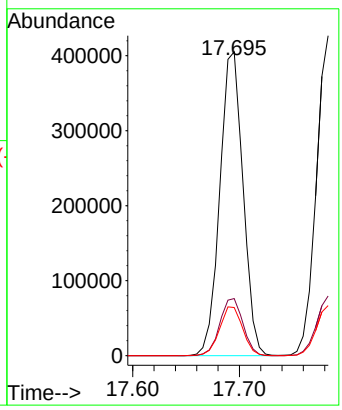




#71
Phenanthrene
Concen: 40.854 ng
RT: 17.695 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:178 Resp: 61221

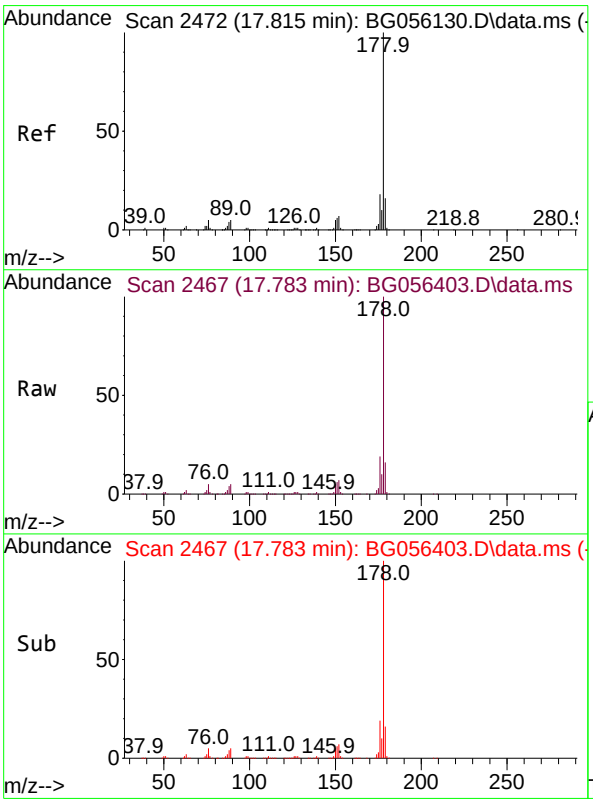
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.8	13.6	20.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

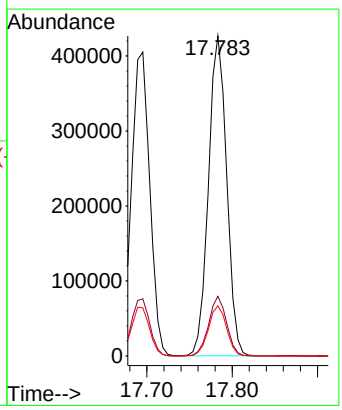
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

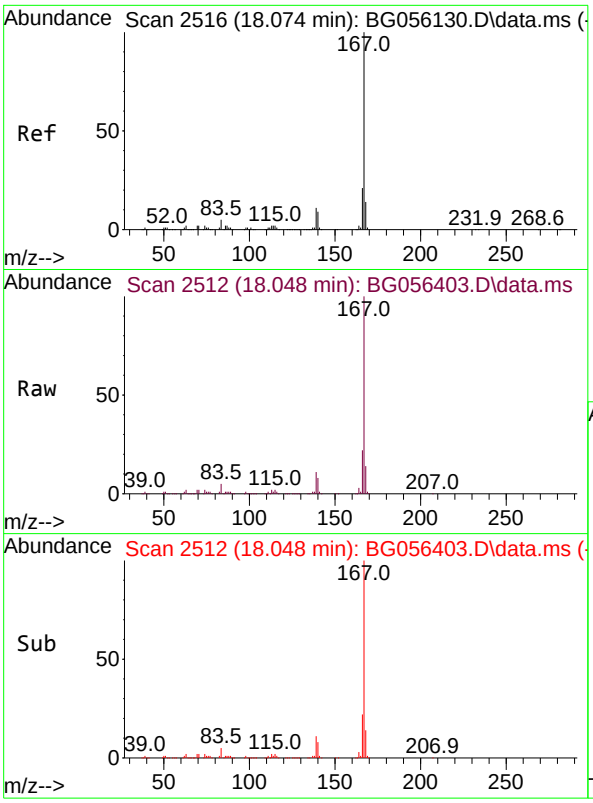


#72
Anthracene
Concen: 40.821 ng
RT: 17.783 min Scan# 2467
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:178 Resp: 631023

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.6	12.7	19.1

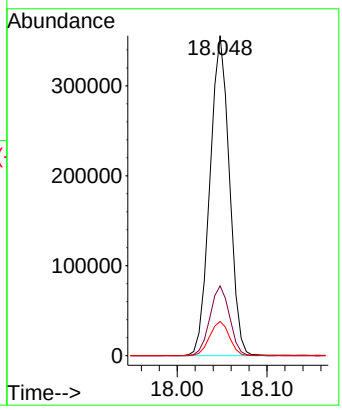




#73
Carbazole
Concen: 41.169 ng
RT: 18.048 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:167 Resp: 53495

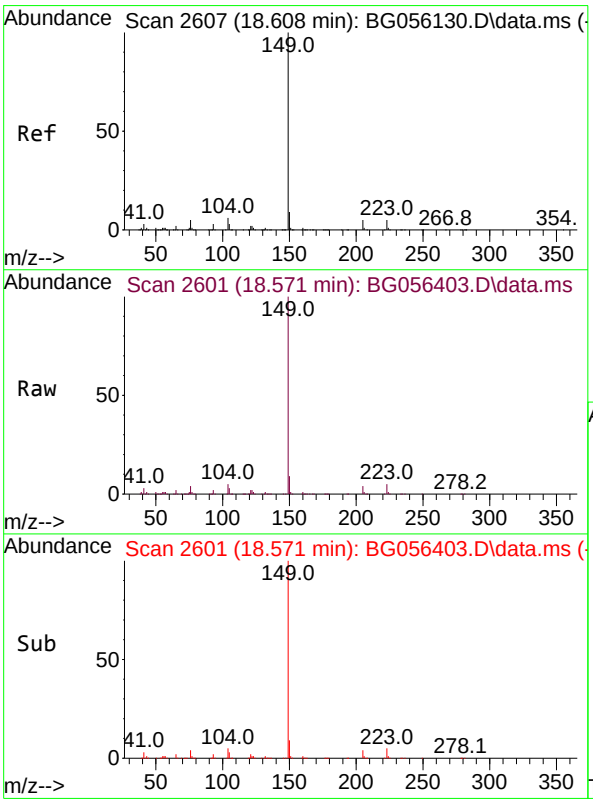
Ion	Ratio	Lower	Upper
167	100		
166	21.8	16.8	25.2
139	10.7	8.9	13.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

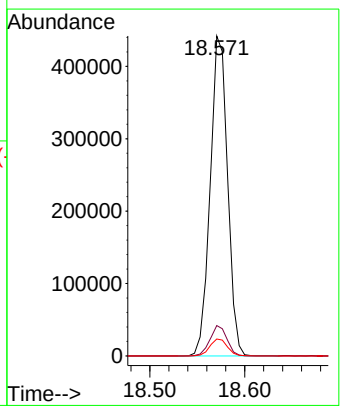
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

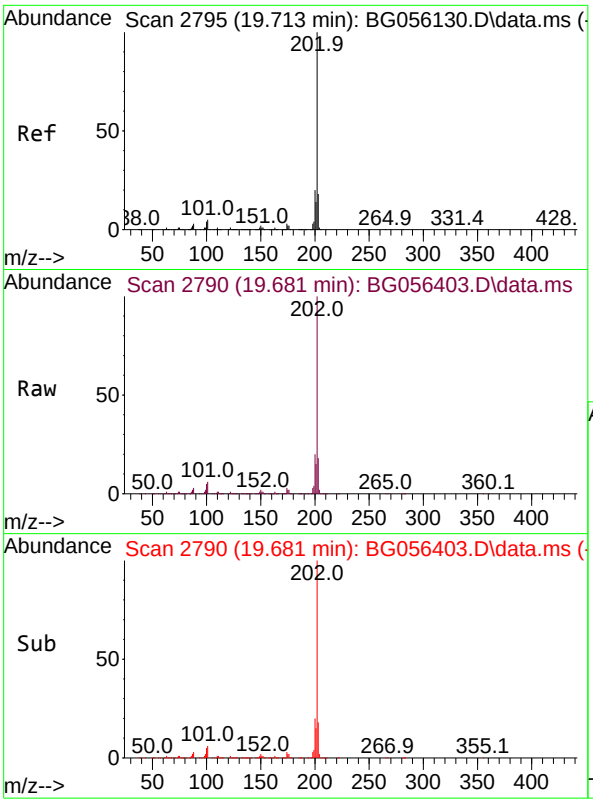


#74
Di-n-butylphthalate
Concen: 43.415 ng
RT: 18.571 min Scan# 2601
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:149 Resp: 562355

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	5.3	4.4	6.6





#75
Fluoranthene
Concen: 38.933 ng
RT: 19.681 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

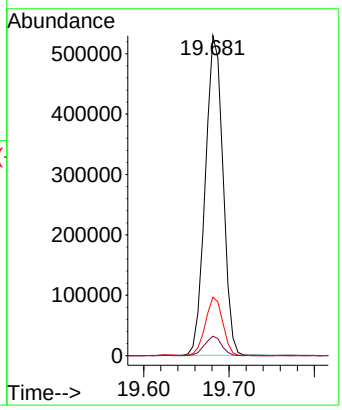
Tgt Ion:202 Resp: 76102

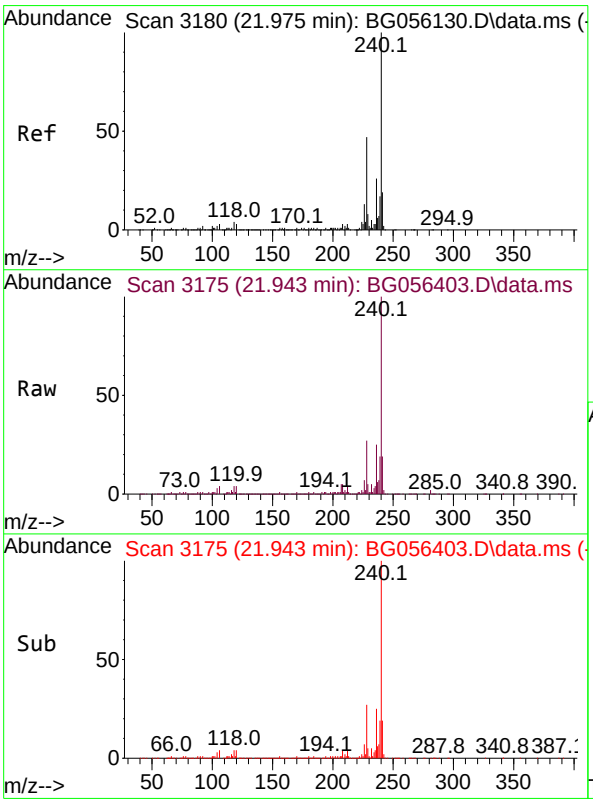
Ion	Ratio	Lower	Upper
202	100		
101	6.1	0.0	25.0
203	18.3	0.0	38.0

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

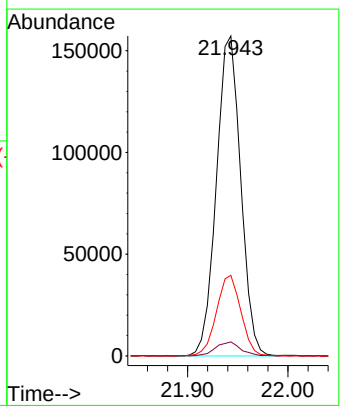


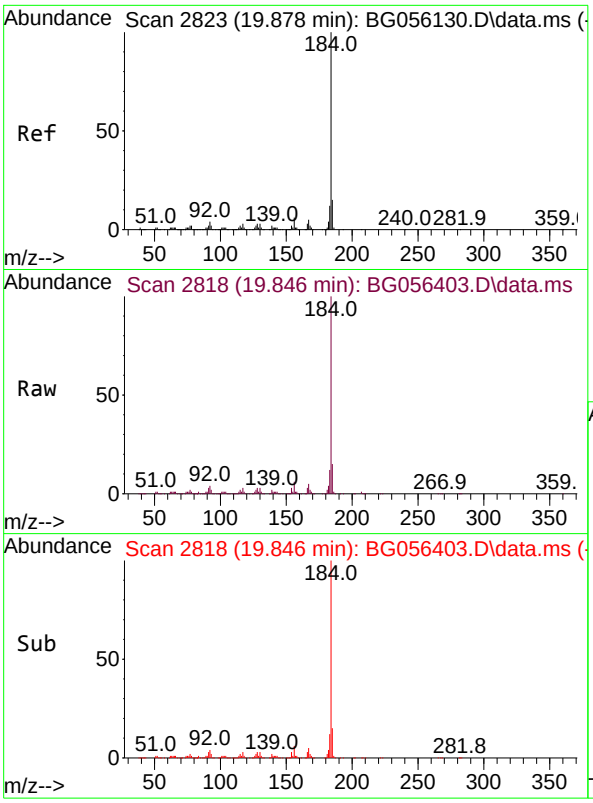


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.943 min Scan# 3175
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:240 Resp: 265057

Ion	Ratio	Lower	Upper
240	100		
120	4.4	2.6	4.0#
236	25.2	20.8	31.2

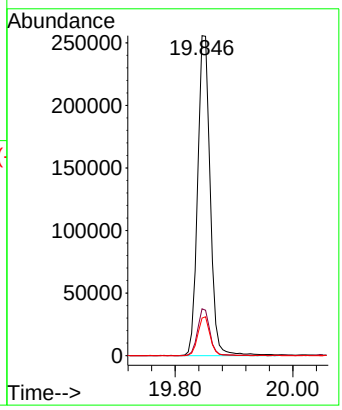




#77
Benzidine
Concen: 40.642 ng
RT: 19.846 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:184 Resp: 37751

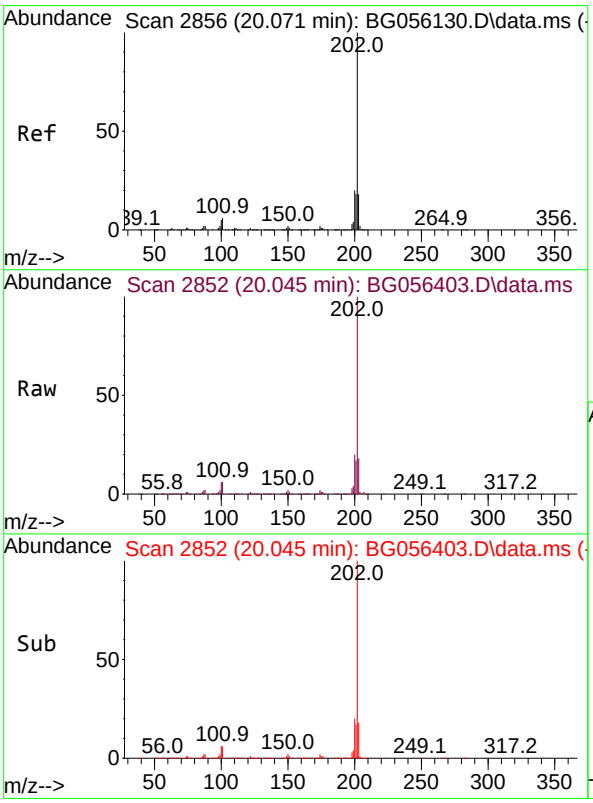
Ion	Ratio	Lower	Upper
184	100		
185	14.6	12.2	18.2
183	11.7	9.4	14.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

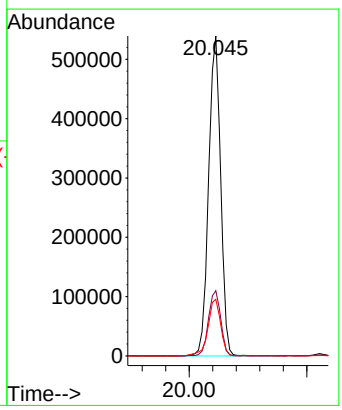
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

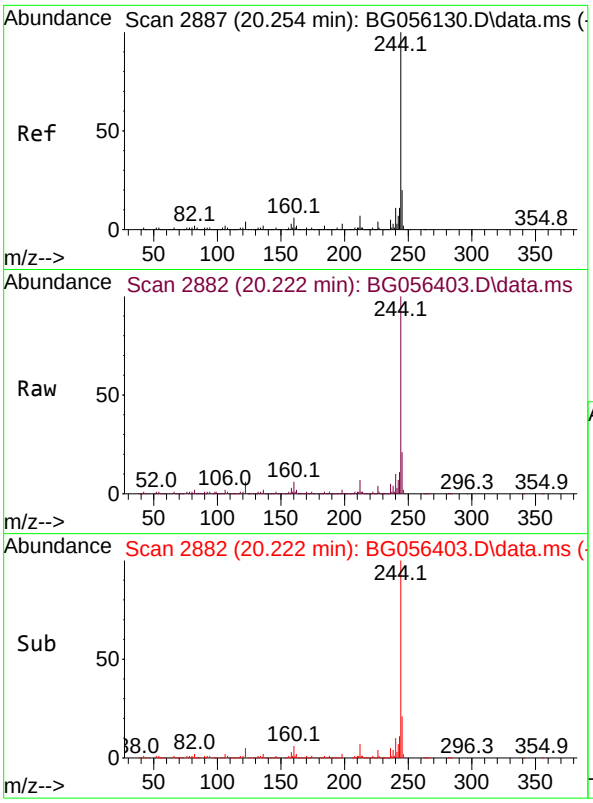


#78
Pyrene
Concen: 40.873 ng
RT: 20.045 min Scan# 2852
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:202 Resp: 763603

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	17.7	14.3	21.5





#79
Terphenyl-d14
Concen: 83.435 ng
RT: 20.222 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

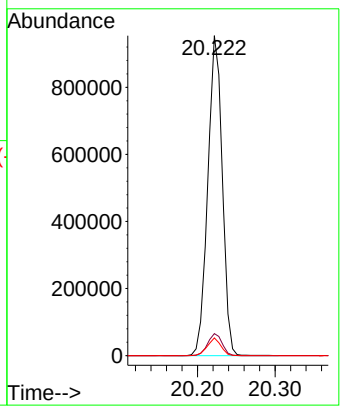
Tgt Ion:244 Resp: 123475

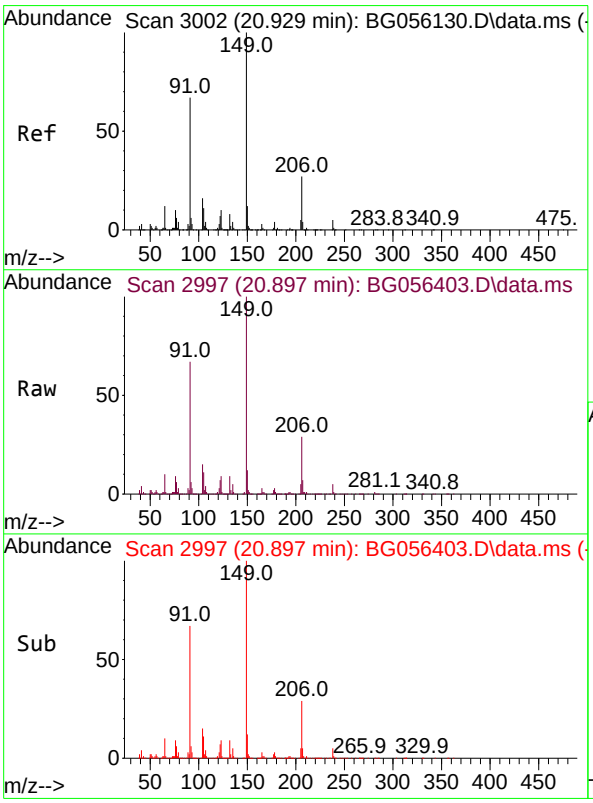
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	5.5	3.5	5.3#

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

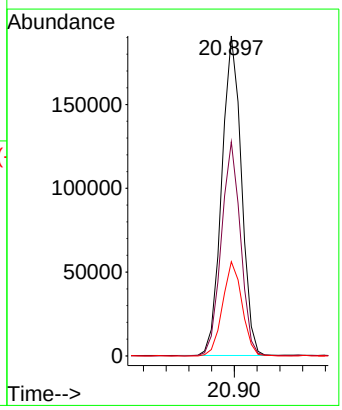


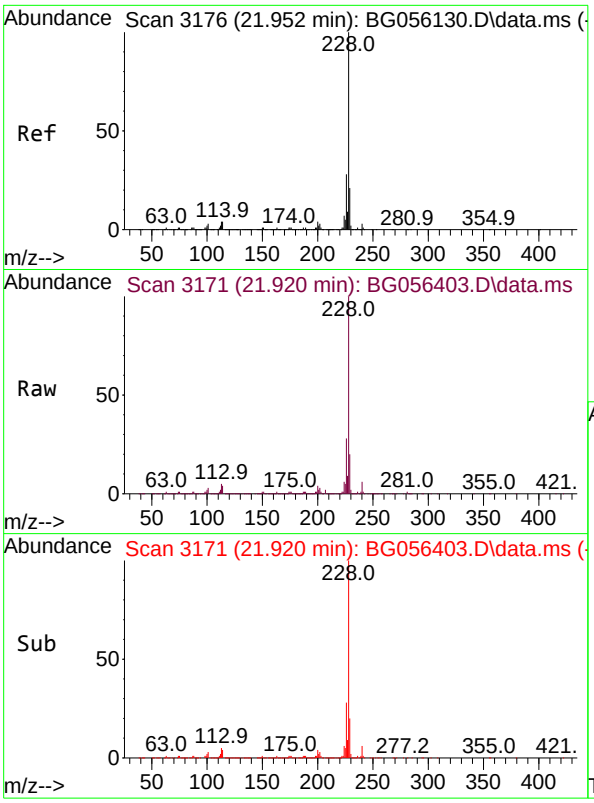


#80
Butylbenzylphthalate
Concen: 42.657 ng
RT: 20.897 min Scan# 2997
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:149 Resp: 228633

Ion	Ratio	Lower	Upper
149	100		
91	66.9	53.5	80.3
206	29.4	21.9	32.9

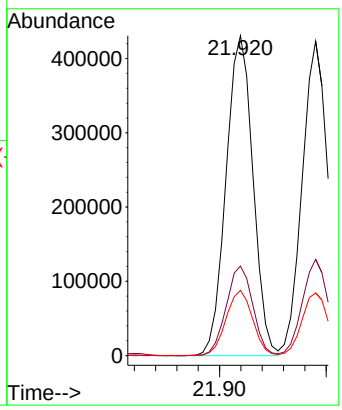




#81
Benzo(a)anthracene
Concen: 40.610 ng
RT: 21.920 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:228 Resp: 75603

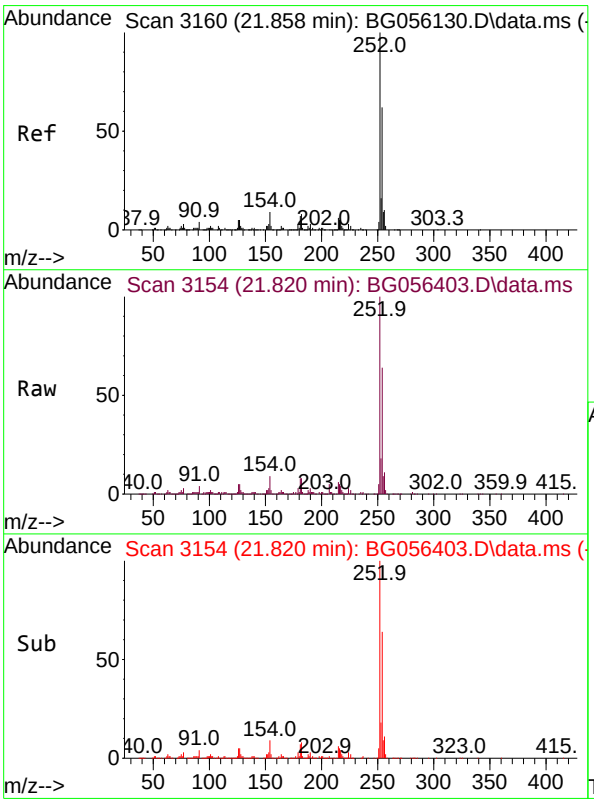
Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	34.0
229	20.4	16.9	25.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

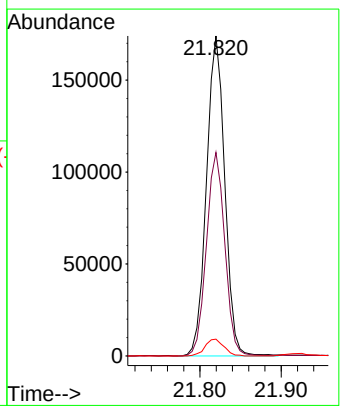
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

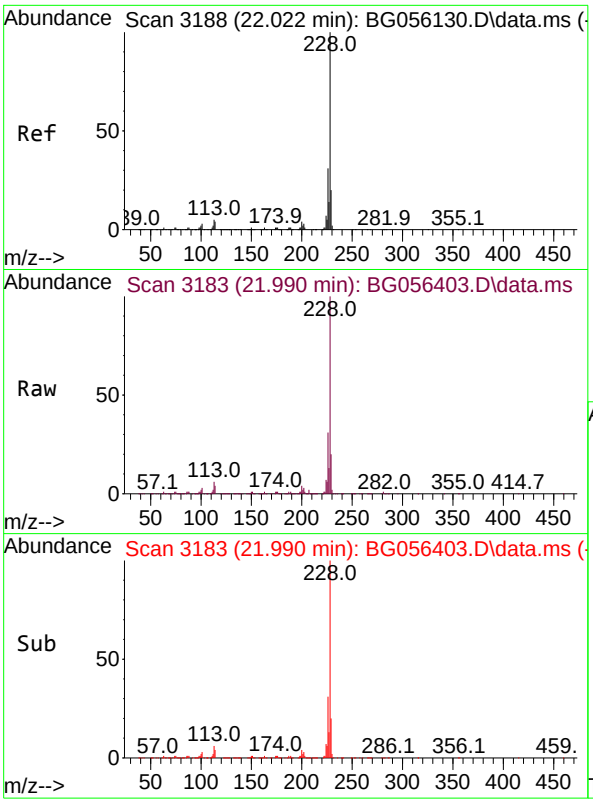


#82
3,3'-Dichlorobenzidine
Concen: 40.689 ng
RT: 21.820 min Scan# 3154
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:252 Resp: 272686

Ion	Ratio	Lower	Upper
252	100		
254	63.6	49.5	74.3
126	5.2	4.0	6.0

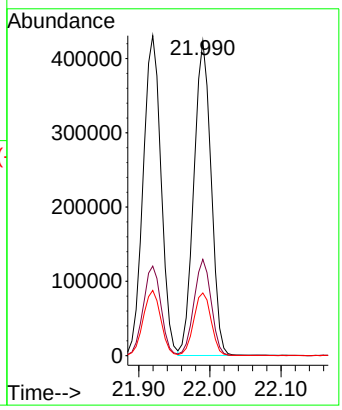




#83
Chrysene
Concen: 40.825 ng
RT: 21.990 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:228 Resp: 71192

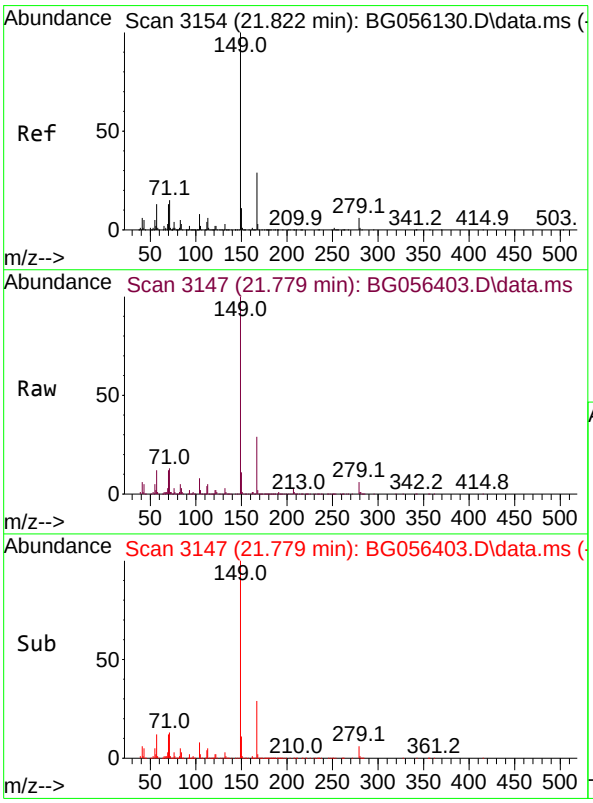
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	36.8
229	19.9	15.8	23.6



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

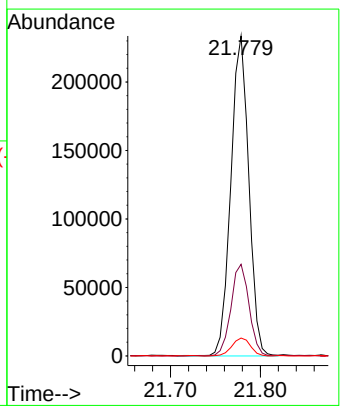
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

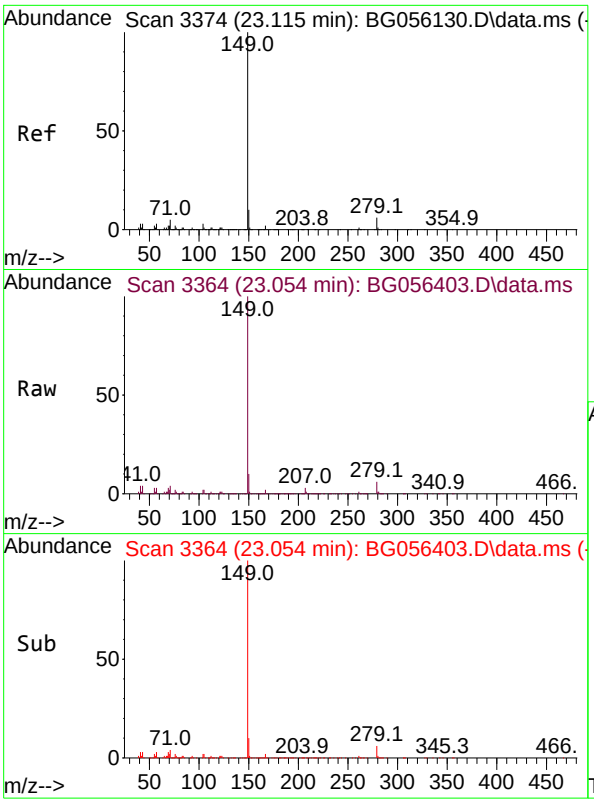


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.150 ng
RT: 21.779 min Scan# 3147
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:149 Resp: 325480

Ion	Ratio	Lower	Upper
149	100		
167	28.6	23.4	35.2
279	5.6	4.7	7.1

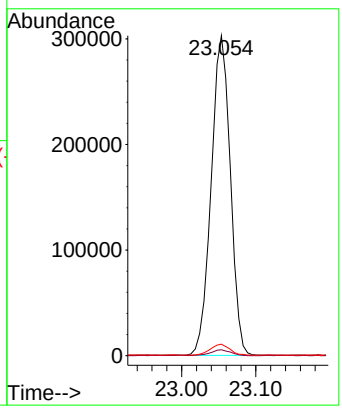




#85
Di-n-octyl phthalate
Concen: 41.627 ng
RT: 23.054 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:149 Resp: 54265

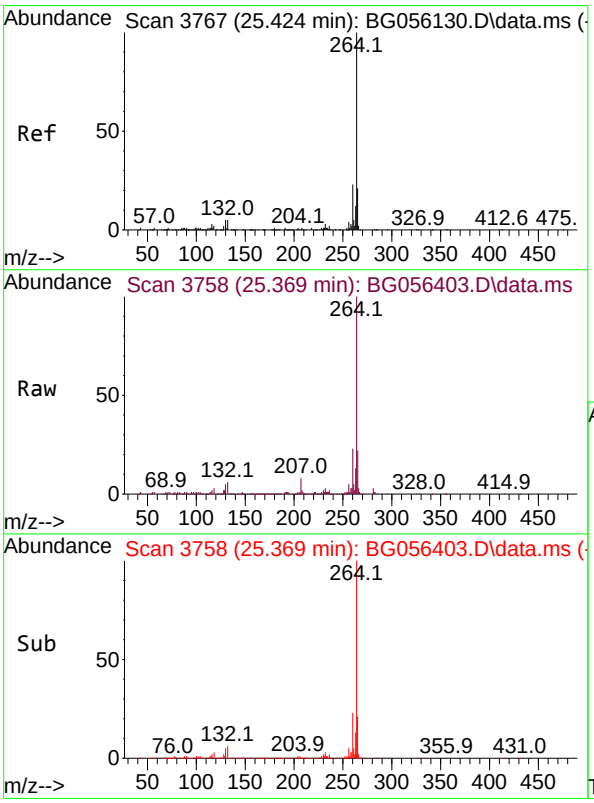
Ion	Ratio	Lower	Upper
149	100		
167	1.9	1.4	2.2
43	3.5	2.9	4.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

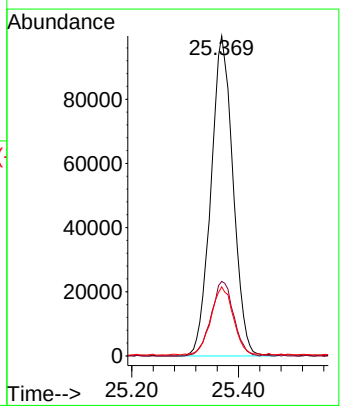
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

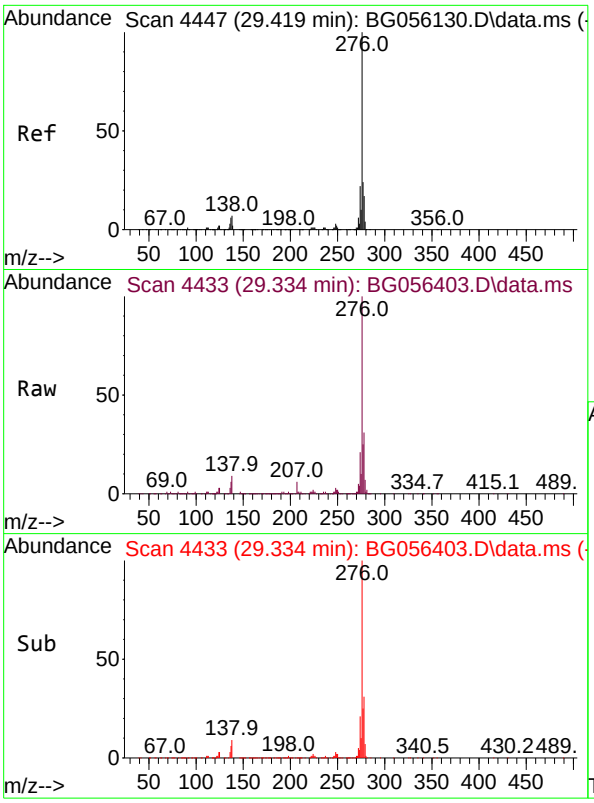


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.369 min Scan# 3758
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:264 Resp: 286788

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.6	16.7	25.1

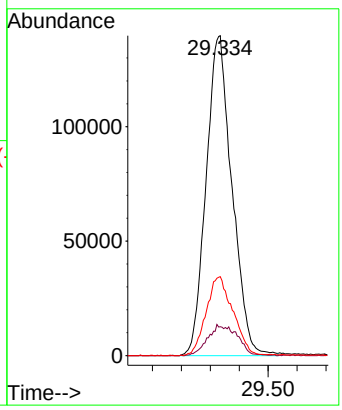




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.613 ng
RT: 29.334 min Scan# 44
Delta R.T. 0.001 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:276 Resp: 86792

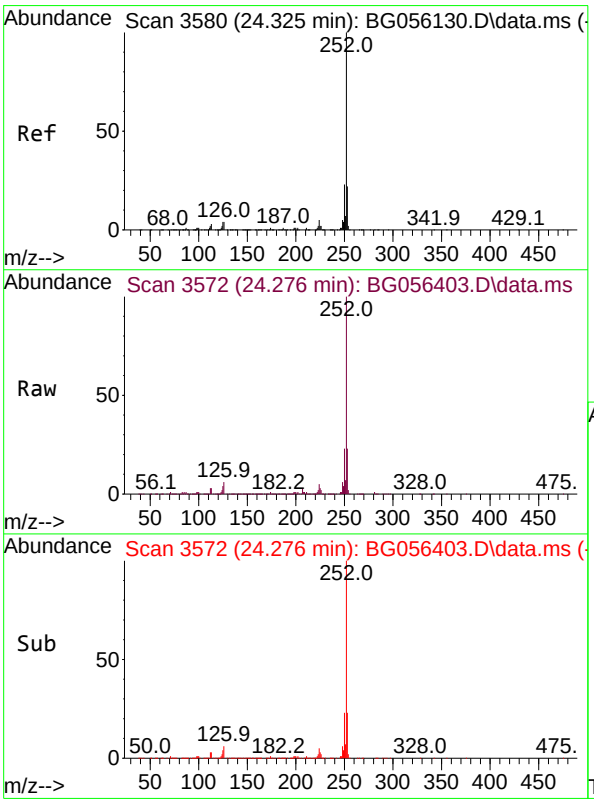
Ion	Ratio	Lower	Upper
276	100		
138	5.9	5.0	7.4
277	25.7	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

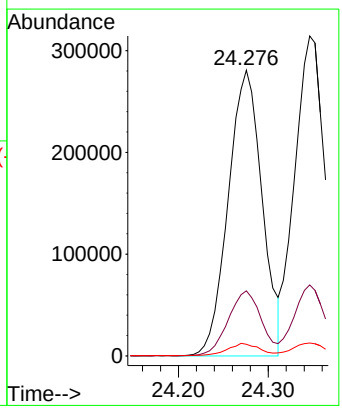
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

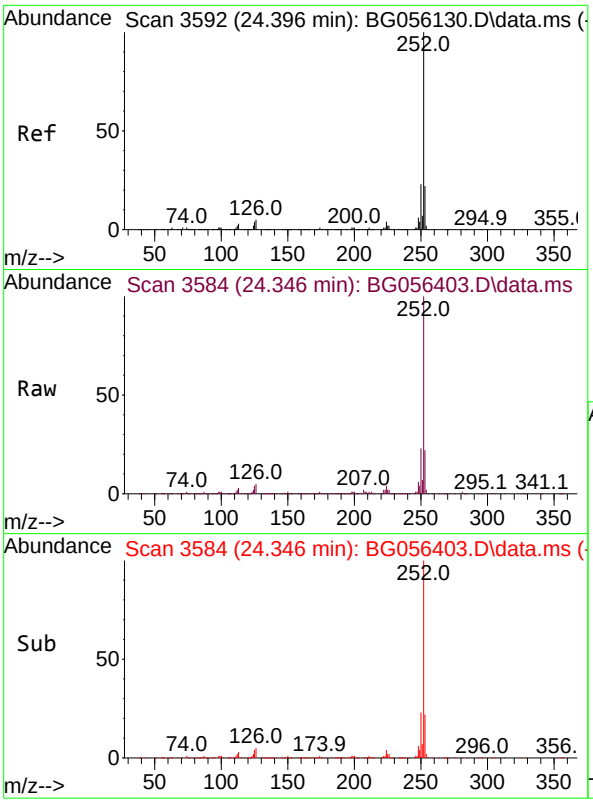


#88
Benzo(b)fluoranthene
Concen: 40.557 ng
RT: 24.276 min Scan# 3572
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:252 Resp: 739008

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	4.1	3.0	4.4

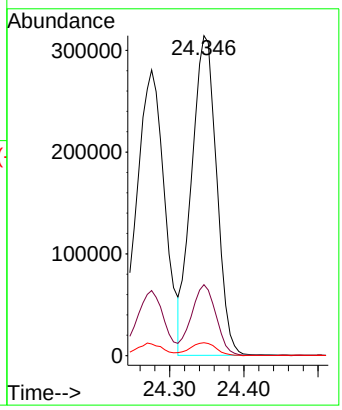




#89
Benzo(k)fluoranthene
Concen: 40.629 ng
RT: 24.346 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:252 Resp: 73720

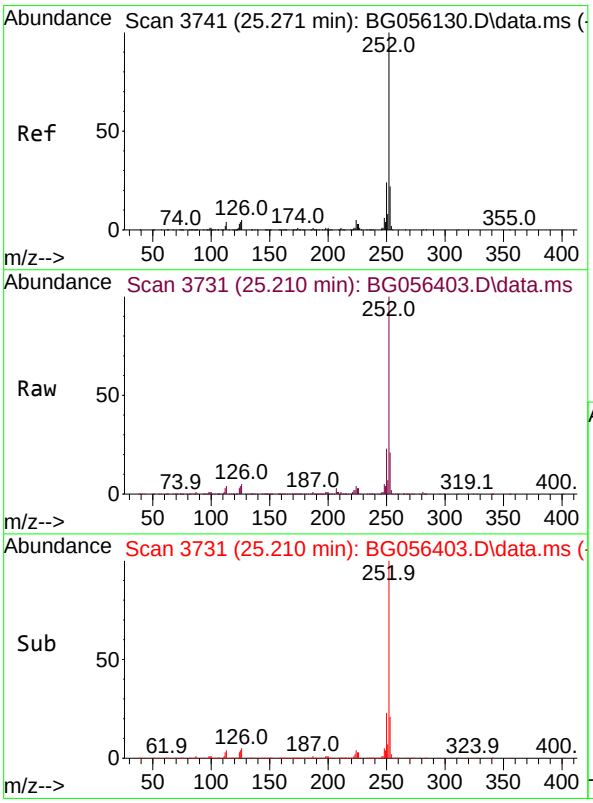
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	4.0	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

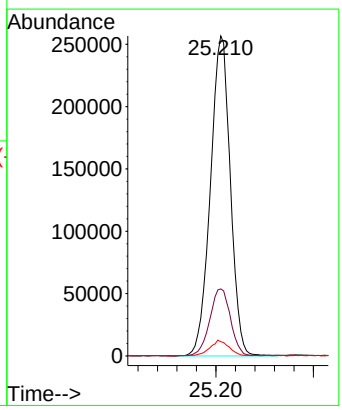
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

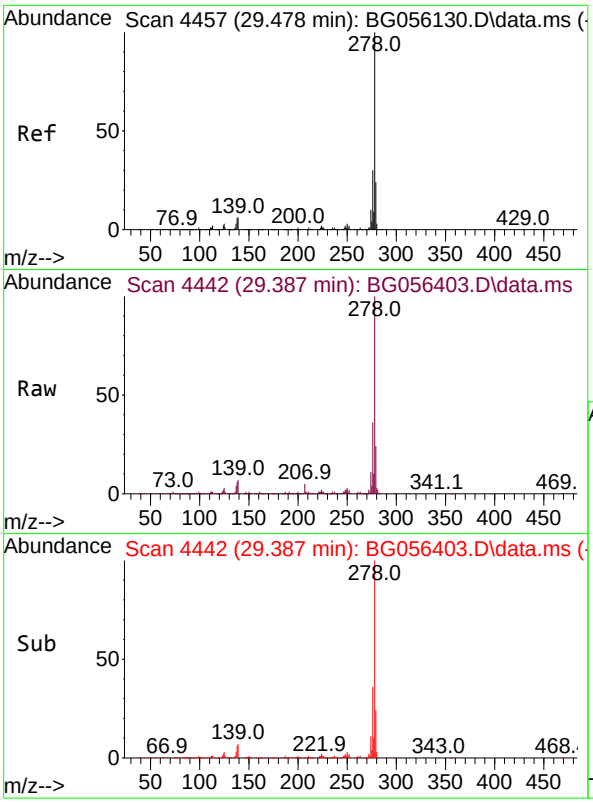


#90
Benzo(a)pyrene
Concen: 40.913 ng
RT: 25.210 min Scan# 3731
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:252 Resp: 727123

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.4	26.2
125	4.4	3.2	4.8

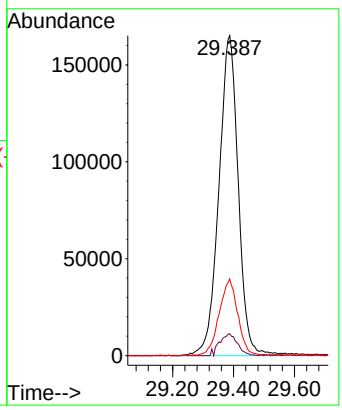




#91
Dibenzo(a,h)anthracene
Concen: 41.642 ng
RT: 29.387 min Scan# 44
Delta R.T. -0.005 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:278 Resp: 72817

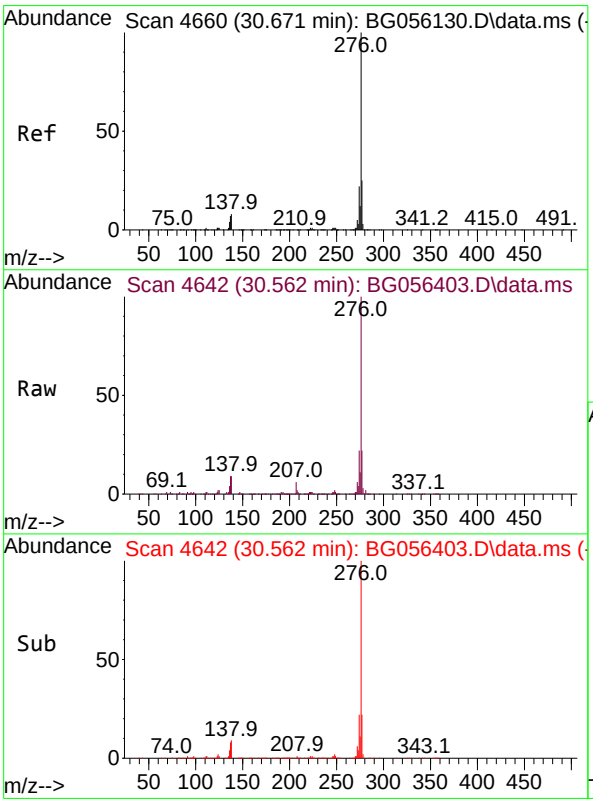
Ion	Ratio	Lower	Upper
278	100		
139	6.8	4.8	7.2
279	24.0	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

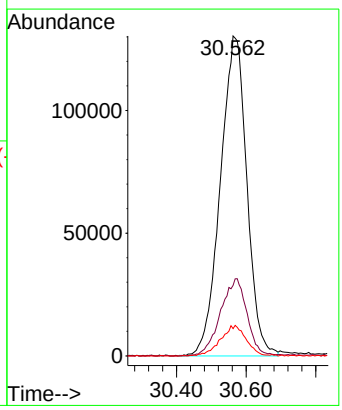
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#92
Benzo(g,h,i)perylene
Concen: 40.639 ng
RT: 30.562 min Scan# 4642
Delta R.T. -0.011 min
Lab File: BG056403.D
Acq: 24 Jan 2023 14:59

Tgt Ion:276 Resp: 689128

Ion	Ratio	Lower	Upper
276	100		
277	22.0	19.7	29.5
138	8.5	6.7	10.1



Sample Results: **BG056403.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056403.D
Acq On : 24 Jan 2023 14:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 05:25:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 04:54:56 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
2		1,4-Dioxane	0.512	0.448	12.5	80	0.00
3		Pyridine	1.558	1.354	13.1	80	0.00
4		n-Nitrosodimethylamine	0.317	0.295	6.9	85	0.00
5	S	2-Fluorophenol	1.120	1.109	1.0	94	0.00
6		Aniline	2.256	2.046	9.3	85	0.00
7	S	Phenol-d6	1.720	1.592	7.4	86	0.00
8		2-Chlorophenol	1.115	1.165	-4.5	98	0.00
9		Benzaldehyde	1.023	0.998	2.4	96	0.00
10	C	Phenol	1.745	1.627	6.8	87	0.00
11		bis(2-Chloroethyl)ether	1.182	1.088	8.0	87	0.00
12		1,3-Dichlorobenzene	1.357	1.366	-0.7	97	0.00
13	C	1,4-Dichlorobenzene	1.362	1.394	-2.3	97	0.00
14		1,2-Dichlorobenzene	1.314	1.317	-0.2	95	0.00
15		Benzyl Alcohol	1.252	1.087	13.2	79	0.00
16		2,2'-oxybis(1-Chloropropane	0.209	0.240	-14.8	110	-0.01
17		2-Methylphenol	1.280	1.206	5.8	87	0.00
18		Hexachloroethane	0.414	0.420	-1.4	97	0.00
19	P	n-Nitroso-di-n-propylamine	1.046	0.896	14.3	81	0.00
20		3+4-Methylphenols	1.800	1.653	8.2	85	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	89	0.00
22		Acetophenone	0.566	0.540	4.6	85	0.00
23	S	Nitrobenzene-d5	0.391	0.362	7.4	83	0.00
24		Nitrobenzene	0.387	0.355	8.3	82	0.00
25		Isophorone	0.823	0.711	13.6	77	0.00
26	C	2-Nitrophenol	0.198	0.215	-8.6	97	0.00
27		2,4-Dimethylphenol	0.362	0.347	4.1	86	0.00
28		bis(2-Chloroethoxy)methane	0.428	0.400	6.5	85	0.00
29	C	2,4-Dichlorophenol	0.400	0.407	-1.7	88	0.00
30		1,2,4-Trichlorobenzene	0.454	0.448	1.3	89	0.00
31		Naphthalene	1.053	1.092	-3.7	94	0.00
32		Benzoic acid	0.268	0.219	18.3	70	0.01
33		4-Chloroaniline	0.503	0.492	2.2	87	0.00
34	C	Hexachlorobutadiene	0.326	0.326	0.0	88	0.00
35		Caprolactam	0.135	0.123	8.9	82	0.00
36	C	4-Chloro-3-methylphenol	0.406	0.377	7.1	83	0.00
37		2-Methylnaphthalene	0.889	0.882	0.8	88	0.00
38		1-Methylnaphthalene	0.825	0.814	1.3	89	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	84	0.00
40		1,2,4,5-Tetrachlorobenzene	0.750	0.768	-2.4	85	0.00
41	P	Hexachlorocyclopentadiene	0.427	0.441	-3.3	82	0.00
42	S	2,4,6-Tribromophenol	0.253	0.269	-6.3	88	0.00
43	C	2,4,6-Trichlorophenol	0.496	0.497	-0.2	81	0.00
44		2,4,5-Trichlorophenol	0.586	0.577	1.5	82	0.00
45	S	2-Fluorobiphenyl	1.448	1.481	-2.3	85	0.00
46		1,1'-Biphenyl	1.432	1.499	-4.7	87	0.00
47		2-Chloronaphthalene	1.131	1.160	-2.6	85	0.00

Sample Results: **BG056403.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056403.D
Acq On : 24 Jan 2023 14:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 05:25:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 04:54:56 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.241	0.246	-2.1	85	0.00
49		Acenaphthylene	1.840	1.893	-2.9	85	0.00
50		Dimethylphthalate	1.615	1.571	2.7	82	0.00
51		2,6-Dinitrotoluene	0.344	0.342	0.6	85	0.00
52	C	Acenaphthene	1.197	1.224	-2.3	85	0.00
53		3-Nitroaniline	0.327	0.339	-3.7	86	0.00
54	P	2,4-Dinitrophenol	0.246	0.220	10.6	71	0.00
55		Dibenzofuran	1.980	1.963	0.9	82	0.00
56	P	4-Nitrophenol	0.252	0.237	6.0	77	0.00
57		2,4-Dinitrotoluene	0.481	0.496	-3.1	84	0.00
58		Fluorene	1.593	1.570	1.4	83	0.00
59		2,3,4,6-Tetrachlorophenol	0.551	0.513	6.9	77	0.00
60		Diethylphthalate	1.514	1.472	2.8	81	0.00
61		4-Chlorophenyl-phenylether	0.994	0.959	3.5	80	0.00
62		4-Nitroaniline	0.335	0.352	-5.1	86	0.00
63		Azobenzene	1.168	1.075	8.0	78	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	79	0.00
65		4,6-Dinitro-2-methylphenol	0.135	0.140	-3.7	78	0.00
66	c	n-Nitrosodiphenylamine	0.555	0.580	-4.5	82	0.00
67		4-Bromophenyl-phenylether	0.255	0.264	-3.5	81	0.00
68		Hexachlorobenzene	0.238	0.255	-7.1	84	0.00
69		Atrazine	0.230	0.232	-0.9	77	0.00
70	C	Pentachlorophenol	0.183	0.179	2.2	74	0.00
71		Phenanthrene	1.036	1.059	-2.2	80	0.00
72		Anthracene	1.069	1.091	-2.1	80	0.00
73		Carbazole	0.899	0.925	-2.9	80	0.00
74		Di-n-butylphthalate	0.896	0.972	-8.5	84	0.00
75	C	Fluoranthene	1.352	1.316	2.7	76	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	74	0.00
77		Benzidine	0.701	0.712	-1.6	72	0.00
78		Pyrene	1.410	1.440	-2.1	76	0.00
79	S	Terphenyl-d14	1.117	1.165	-4.3	78	0.00
80		Butylbenzylphthalate	0.404	0.431	-6.7	78	0.00
81		Benzo(a)anthracene	1.405	1.426	-1.5	75	0.00
82		3,3'-Dichlorobenzidine	0.506	0.514	-1.6	73	0.00
83		Chrysene	1.316	1.343	-2.1	75	0.00
84		Bis(2-ethylhexyl)phthalate	0.583	0.614	-5.3	77	0.00
85	c	Di-n-octyl phthalate	0.984	1.024	-4.1	76	0.00
86	I	Perylene-d12	1.000	1.000	0.0	73	0.00
87		Indeno(1,2,3-cd)pyrene	1.455	1.513	-4.0	74	0.00
88		Benzo(b)fluoranthene	1.271	1.288	-1.3	72	0.00
89		Benzo(k)fluoranthene	1.265	1.285	-1.6	73	0.00
90	C	Benzo(a)pyrene	1.239	1.268	-2.3	73	0.00
91		Dibenzo(a,h)anthracene	1.219	1.270	-4.2	75	0.00
92		Benzo(g,h,i)perylene	1.183	1.201	-1.5	72	-0.01

Sample Results: **BG056403.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056403.D
Acq On : 24 Jan 2023 14:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 05:25:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 04:54:56 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BG056403.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056403.D
Acq On : 24 Jan 2023 14:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 05:25:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 04:54:56 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	96	0.00
2		1,4-Dioxane	40.000	35.022	12.4	80	0.00
3		Pyridine	40.000	34.754	13.1	80	0.00
4		n-Nitrosodimethylamine	40.000	37.263	6.8	85	0.00
5	S	2-Fluorophenol	80.000	79.192	1.0	94	0.00
6		Aniline	40.000	36.273	9.3	85	0.00
7	S	Phenol-d6	80.000	74.056	7.4	86	0.00
8		2-Chlorophenol	40.000	41.806	-4.5	98	0.00
9		Benzaldehyde	40.000	39.045	2.4	96	0.00
10	C	Phenol	40.000	37.311	6.7	87	0.00
11		bis(2-Chloroethyl)ether	40.000	36.807	8.0	87	0.00
12		1,3-Dichlorobenzene	40.000	40.288	-0.7	97	0.00
13	C	1,4-Dichlorobenzene	40.000	40.920	-2.3	97	0.00
14		1,2-Dichlorobenzene	40.000	40.084	-0.2	95	0.00
15		Benzyl Alcohol	40.000	34.714	13.2	79	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	45.928	-14.8	110	-0.01
17		2-Methylphenol	40.000	37.682	5.8	87	0.00
18		Hexachloroethane	40.000	40.606	-1.5	97	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	34.278	14.3	81	0.00
20		3+4-Methylphenols	40.000	36.735	8.2	85	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	89	0.00
22		Acetophenone	40.000	38.184	4.5	85	0.00
23	S	Nitrobenzene-d5	80.000	74.094	7.4	83	0.00
24		Nitrobenzene	40.000	36.625	8.4	82	0.00
25		Isophorone	40.000	34.556	13.6	77	0.00
26	C	2-Nitrophenol	40.000	43.356	-8.4	97	0.00
27		2,4-Dimethylphenol	40.000	38.425	3.9	86	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.446	6.4	85	0.00
29	C	2,4-Dichlorophenol	40.000	40.714	-1.8	88	0.00
30		1,2,4-Trichlorobenzene	40.000	39.533	1.2	89	0.00
31		Naphthalene	40.000	41.487	-3.7	94	0.00
32		Benzoic acid	40.000	32.702	18.2	70	0.01
33		4-Chloroaniline	40.000	39.145	2.1	87	0.00
34	C	Hexachlorobutadiene	40.000	39.920	0.2	88	0.00
35		Caprolactam	40.000	36.227	9.4	82	0.00
36	C	4-Chloro-3-methylphenol	40.000	37.167	7.1	83	0.00
37		2-Methylnaphthalene	40.000	39.705	0.7	88	0.00
38		1-Methylnaphthalene	40.000	39.438	1.4	89	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	84	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.977	-2.4	85	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.269	-3.2	82	0.00
42	S	2,4,6-Tribromophenol	80.000	85.010	-6.3	88	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.108	-0.3	81	0.00
44		2,4,5-Trichlorophenol	40.000	39.362	1.6	82	0.00
45	S	2-Fluorobiphenyl	80.000	81.827	-2.3	85	0.00
46		1,1'-Biphenyl	40.000	41.868	-4.7	87	0.00
47		2-Chloronaphthalene	40.000	41.042	-2.6	85	0.00

Sample Results: **BG056403.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056403.D
Acq On : 24 Jan 2023 14:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 05:25:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 04:54:56 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.848	-2.1	85	0.00
49		Acenaphthylene	40.000	41.155	-2.9	85	0.00
50		Dimethylphthalate	40.000	38.924	2.7	82	0.00
51		2,6-Dinitrotoluene	40.000	39.726	0.7	85	0.00
52	C	Acenaphthene	40.000	40.916	-2.3	85	0.00
53		3-Nitroaniline	40.000	41.408	-3.5	86	0.00
54	P	2,4-Dinitrophenol	40.000	35.805	10.5	71	0.00
55		Dibenzofuran	40.000	39.657	0.9	82	0.00
56	P	4-Nitrophenol	40.000	37.655	5.9	77	0.00
57		2,4-Dinitrotoluene	40.000	41.260	-3.1	84	0.00
58		Fluorene	40.000	39.419	1.5	83	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	37.238	6.9	77	0.00
60		Diethylphthalate	40.000	38.884	2.8	81	0.00
61		4-Chlorophenyl-phenylether	40.000	38.608	3.5	80	0.00
62		4-Nitroaniline	40.000	41.982	-5.0	86	0.00
63		Azobenzene	40.000	36.796	8.0	78	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	79	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.467	-3.7	78	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.840	-4.6	82	0.00
67		4-Bromophenyl-phenylether	40.000	41.480	-3.7	81	0.00
68		Hexachlorobenzene	40.000	42.927	-7.3	84	0.00
69		Atrazine	40.000	40.358	-0.9	77	0.00
70	C	Pentachlorophenol	40.000	39.141	2.1	74	0.00
71		Phenanthrene	40.000	40.854	-2.1	80	0.00
72		Anthracene	40.000	40.821	-2.1	80	0.00
73		Carbazole	40.000	41.169	-2.9	80	0.00
74		Di-n-butylphthalate	40.000	43.415	-8.5	84	0.00
75	C	Fluoranthene	40.000	38.933	2.7	76	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	74	0.00
77		Benzidine	40.000	40.642	-1.6	72	0.00
78		Pyrene	40.000	40.873	-2.2	76	0.00
79	S	Terphenyl-d14	80.000	83.435	-4.3	78	0.00
80		Butylbenzylphthalate	40.000	42.657	-6.6	78	0.00
81		Benzo(a)anthracene	40.000	40.610	-1.5	75	0.00
82		3,3'-Dichlorobenzidine	40.000	40.689	-1.7	73	0.00
83		Chrysene	40.000	40.825	-2.1	75	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.150	-5.4	77	0.00
85	c	Di-n-octyl phthalate	40.000	41.627	-4.1	76	0.00
86	I	Perylene-d12	20.000	20.000	0.0	73	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.613	-4.0	74	0.00
88		Benzo(b)fluoranthene	40.000	40.557	-1.4	72	0.00
89		Benzo(k)fluoranthene	40.000	40.629	-1.6	73	0.00
90	C	Benzo(a)pyrene	40.000	40.913	-2.3	73	0.00
91		Dibenzo(a,h)anthracene	40.000	41.642	-4.1	75	0.00
92		Benzo(g,h,i)perylene	40.000	40.639	-1.6	72	-0.01

Sample Results: **BG056403.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056403.D
Acq On : 24 Jan 2023 14:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 05:25:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 04:54:56 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_P Calibration Date/Time: 01/24/2023 09:53

Lab File ID: BP013562.D Init. Calib. Date(s): 01/23/2023 01/23/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:25 16:01

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.167	1.219		4.5	
Benzaldehyde	0.995	0.927		-6.8	
Phenol-d6	1.571	1.646		4.8	
Phenol	1.628	1.701		4.5	20.0
bis(2-Chloroethyl)ether	1.331	1.374		3.2	
2-Chlorophenol	1.288	1.368		6.2	
2-Methylphenol	1.182	1.237		4.7	
2,2-oxybis(1-Chloropropane)	1.822	1.854		1.8	
Acetophenone	0.513	0.525		2.3	
3+4-Methylphenols	1.556	1.667		7.1	
n-Nitroso-di-n-propylamine	1.012	1.069	0.050	5.6	
Nitrobenzene-d5	0.303	0.350		15.5	
Hexachloroethane	0.483	0.515		6.6	
Nitrobenzene	0.326	0.367		12.6	
Isophorone	0.719	0.734		2.1	
2-Nitrophenol	0.094	0.137		45.7	20.0
2,4-Dimethylphenol	0.310	0.328		5.8	
bis(2-Chloroethoxy)methane	0.433	0.453		4.6	
2,4-Dichlorophenol	0.285	0.313		9.8	20.0
Naphthalene	1.075	1.106		2.9	
4-Chloroaniline	0.476	0.496		4.2	
Hexachlorobutadiene	0.189	0.195		3.2	20.0
Caprolactam	0.093	0.108		16.1	
4-Chloro-3-methylphenol	0.311	0.343		10.3	20.0
2-Methylnaphthalene	0.764	0.801		4.8	
Hexachlorocyclopentadiene	0.290	0.314	0.050	8.3	
2,4,6-Trichlorophenol	0.360	0.398		10.6	20.0
2-Fluorobiphenyl	1.457	1.460		0.2	
2,4,5-Trichlorophenol	0.426	0.479		12.4	
1,1-Biphenyl	1.606	1.621		0.9	
2-Chloronaphthalene	1.203	1.208		0.4	
2-Nitroaniline	0.241	0.333		38.2	
Dimethylphthalate	1.487	1.591		7.0	
Acenaphthylene	1.968	2.011		2.2	
2,6-Dinitrotoluene	0.240	0.324		35.0	
3-Nitroaniline	0.275	0.365		32.7	
Acenaphthene	1.216	1.264		3.9	20.0
2,4-Dinitrophenol	0.058	0.106	0.050	82.8	
4-Nitrophenol	0.212	0.283	0.050	33.5	
Dibenzofuran	1.864	1.911		2.5	
2,4-Dinitrotoluene	0.266	0.423		59.0	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_P Calibration Date/Time: 01/24/2023 09:53

Lab File ID: BP013562.D Init. Calib. Date(s): 01/23/2023 01/23/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:25 16:01

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.452	1.590		9.5	
4-Chlorophenyl-phenylether	0.729	0.759		4.1	
Fluorene	1.482	1.533		3.4	
4-Nitroaniline	0.265	0.372		40.4	
4,6-Dinitro-2-methylphenol	0.058	0.080		37.9	
n-Nitrosodiphenylamine	0.652	0.650		-0.3	20.0
2,4,6-Tribromophenol	0.201	0.225		11.9	
4-Bromophenyl-phenylether	0.222	0.207		-6.8	
Hexachlorobenzene	0.239	0.241		0.8	
Atrazine	0.187	0.211		12.8	
Pentachlorophenol	0.139	0.158		13.7	20.0
Phenanthrene	1.113	1.138		2.2	
Anthracene	1.129	1.148		1.7	
Carbazole	1.015	1.060		4.4	
Di-n-butylphthalate	1.130	1.253		10.9	
Fluoranthene	1.183	1.258		6.3	20.0
Pyrene	1.529	1.627		6.4	
Terphenyl-d14	1.112	1.205		8.4	
Butylbenzylphthalate	0.487	0.596		22.4	
3,3-Dichlorobenzidine	0.449	0.453		0.9	
Benzo(a)anthracene	1.393	1.436		3.1	
Chrysene	1.333	1.354		1.6	
Bis(2-ethylhexyl)phthalate	0.779	0.834		7.1	
Di-n-octyl phthalate	1.256	1.234		-1.8	20.0
Benzo(b)fluoranthene	1.230	1.312		6.7	
Benzo(k)fluoranthene	1.255	1.399		11.5	
Benzo(a)pyrene	1.194	1.252		4.9	20.0
Indeno(1,2,3-cd)pyrene	1.473	1.497		1.6	
Dibenzo(a,h)anthracene	1.236	1.268		2.6	
Benzo(g,h,i)perylene	1.206	1.225		1.6	
1,2,4,5-Tetrachlorobenzene	0.616	0.623		1.1	
1,4-Dioxane	0.471	0.491		4.2	20.0
2,3,4,6-Tetrachlorophenol	0.327	0.375		14.7	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BP013562.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013562.D
Acq On : 24 Jan 2023 09:53
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 25 03:45:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

01/25/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.164	152	306826	20.000	ng		0.00
21) Naphthalene-d8	10.993	136	1252678	20.000	ng		0.00
39) Acenaphthene-d10	14.799	164	763071	20.000	ng		0.00
64) Phenanthrene-d10	17.551	188	1590584	20.000	ng		0.00
76) Chrysene-d12	21.628	240	1270422	20.000	ng		0.00
86) Perylene-d12	24.216	264	1120193	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.687	112	1495693	83.522	ng		0.00
7) Phenol-d6	7.299	99	2019934	83.809	ng		0.00
23) Nitrobenzene-d5	9.334	82	1753064	92.387	ng		0.00
42) 2,4,6-Tribromophenol	16.287	330	687790	89.861	ng		0.00
45) 2-Fluorobiphenyl	13.428	172	4457118	80.177	ng		0.00
79) Terphenyl-d14	20.081	244	6123450	86.712	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.529	88	301144	41.714	ng		98
3) Pyridine	3.940	79	897358	41.872	ng		98
4) n-Nitrosodimethylamine	3.852	42	386976	39.936	ng		98
6) Aniline	7.475	93	1333004	41.171	ng		100
8) 2-Chlorophenol	7.717	128	839567	42.487	ng		99
9) Benzaldehyde	7.287	77	568718	37.262	ng		100
10) Phenol	7.328	94	1043588	41.792	ng		99
11) bis(2-Chloroethyl)ether	7.575	93	843041	41.289	ng		98
12) 1,3-Dichlorobenzene	8.052	146	902629	41.305	ng		98
13) 1,4-Dichlorobenzene	8.199	146	917023	41.386	ng		100
14) 1,2-Dichlorobenzene	8.522	146	881017	41.063	ng		99
15) Benzyl Alcohol	8.399	79	720259	41.827	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.693	45	1137767m	40.694	ng		
17) 2-Methylphenol	8.599	107	759299	41.869	ng		97
18) Hexachloroethane	9.258	117	316331	42.711	ng		98
19) n-Nitroso-di-n-propyla...	8.975	70	655969	42.256	ng		97
20) 3+4-Methylphenols	8.928	107	1022770	42.847	ng		98
22) Acetophenone	8.993	105	1315370	40.931	ng	#	99
24) Nitrobenzene	9.375	77	919125	45.050	ng		98
25) Isophorone	9.905	82	1838300	40.844	ng		99
26) 2-Nitrophenol	10.093	139	342720	47.056	ng		97
27) 2,4-Dimethylphenol	10.146	122	822558	42.337	ng		98
28) bis(2-Chloroethoxy)met...	10.387	93	1135102	41.850	ng		100
29) 2,4-Dichlorophenol	10.628	162	785091	43.931	ng		99
30) 1,2,4-Trichlorobenzene	10.852	180	842671	41.318	ng		99
31) Naphthalene	11.046	128	2769981	41.131	ng		99
32) Benzoic acid	10.269	122	417114	45.975	ng		98
33) 4-Chloroaniline	11.146	127	1242983	41.713	ng		99
34) Hexachlorobutadiene	11.328	225	488873	41.191	ng		99
35) Caprolactam	11.922	113	269700	46.549	ng		96
36) 4-Chloro-3-methylphenol	12.252	107	859706	44.172	ng		97
37) 2-Methylnaphthalene	12.640	142	2007187	41.931	ng		99
38) 1-Methylnaphthalene	12.857	142	1883456	41.873	ng		99
40) 1,2,4,5-Tetrachloroben...	12.999	216	950151	40.444	ng		99
41) Hexachlorocyclopentadiene	12.981	237	479693	40.899	ng		100
43) 2,4,6-Trichlorophenol	13.234	196	607206	44.162	ng		99

Sample Results: **BP013562.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013562.D
Acq On : 24 Jan 2023 09:53
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 25 03:45:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/25/2023
Supervised By :Jagrut Upadhyay
01/25/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.299	196	730440	44.957	ng		99
46) 1,1'-Biphenyl	13.634	154	2474476	40.378	ng		99
47) 2-Chloronaphthalene	13.681	162	1843815	40.160	ng		100
48) 2-Nitroaniline	13.875	65	508934	44.804	ng		92
49) Acenaphthylene	14.522	152	3069402	40.880	ng		99
50) Dimethylphthalate	14.246	163	2427864	42.802	ng		100
51) 2,6-Dinitrotoluene	14.363	165	494414	44.974	ng		95
52) Acenaphthene	14.863	154	1928759	41.586	ng		100
53) 3-Nitroaniline	14.693	138	557279	44.406	ng	#	96
54) 2,4-Dinitrophenol	14.893	184	161312	52.878	ng		100
55) Dibenzofuran	15.193	168	2915998	41.001	ng		100
56) 4-Nitrophenol	14.981	139	431191	47.158	ng		97
57) 2,4-Dinitrotoluene	15.146	165	645525	48.979	ng		93
58) Fluorene	15.845	166	2340217	41.400	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.416	232	572315	45.875	ng		100
60) Diethylphthalate	15.610	149	2426932	43.807	ng		100
61) 4-Chlorophenyl-phenyle...	15.834	204	1158720	41.688	ng		98
62) 4-Nitroaniline	15.857	138	568138	46.953	ng		95
63) Azobenzene	16.128	77	2219231	41.224	ng		97
65) 4,6-Dinitro-2-methylph...	15.910	198	254999	50.163	ng		97
66) n-Nitrosodiphenylamine	16.045	169	2067029	39.850	ng		99
67) 4-Bromophenyl-phenylether	16.734	248	657452	37.315	ng		98
68) Hexachlorobenzene	16.851	284	767004	40.302	ng		98
69) Atrazine	16.998	200	670879	45.203	ng		98
70) Pentachlorophenol	17.192	266	503876	42.356	ng		98
71) Phenanthrene	17.592	178	3619476	40.899	ng		100
72) Anthracene	17.687	178	3652834	40.668	ng		99
73) Carbazole	17.945	167	3373535	41.793	ng		99
74) Di-n-butylphthalate	18.487	149	3987445	44.385	ng		100
75) Fluoranthene	19.539	202	4001373	42.518	ng		100
77) Benzidine	19.710	184	1511099	47.293	ng		99
78) Pyrene	19.892	202	4133339	42.550	ng		99
80) Butylbenzylphthalate	20.751	149	1514362	48.963	ng		99
81) Benzo(a)anthracene	21.610	228	3648008	41.218	ng		99
82) 3,3'-Dichlorobenzidine	21.533	252	1151624	40.384	ng		99
83) Chrysene	21.669	228	3439111	40.627	ng		99
84) Bis(2-ethylhexyl)phtha...	21.516	149	2120050	42.831	ng		99
85) Di-n-octyl phthalate	22.510	149	3135862	39.295	ng		99
87) Indeno(1,2,3-cd)pyrene	26.957	276	3354056	40.650	ng		100
88) Benzo(b)fluoranthene	23.422	252	2938625	42.644	ng		100
89) Benzo(k)fluoranthene	23.474	252	3133785	44.586	ng		100
90) Benzo(a)pyrene	24.104	252	2803978	41.946	ng		99
91) Dibenzo(a,h)anthracene	26.980	278	2841127	41.051	ng		100
92) Benzo(g,h,i)perylene	27.798	276	2743548	40.611	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

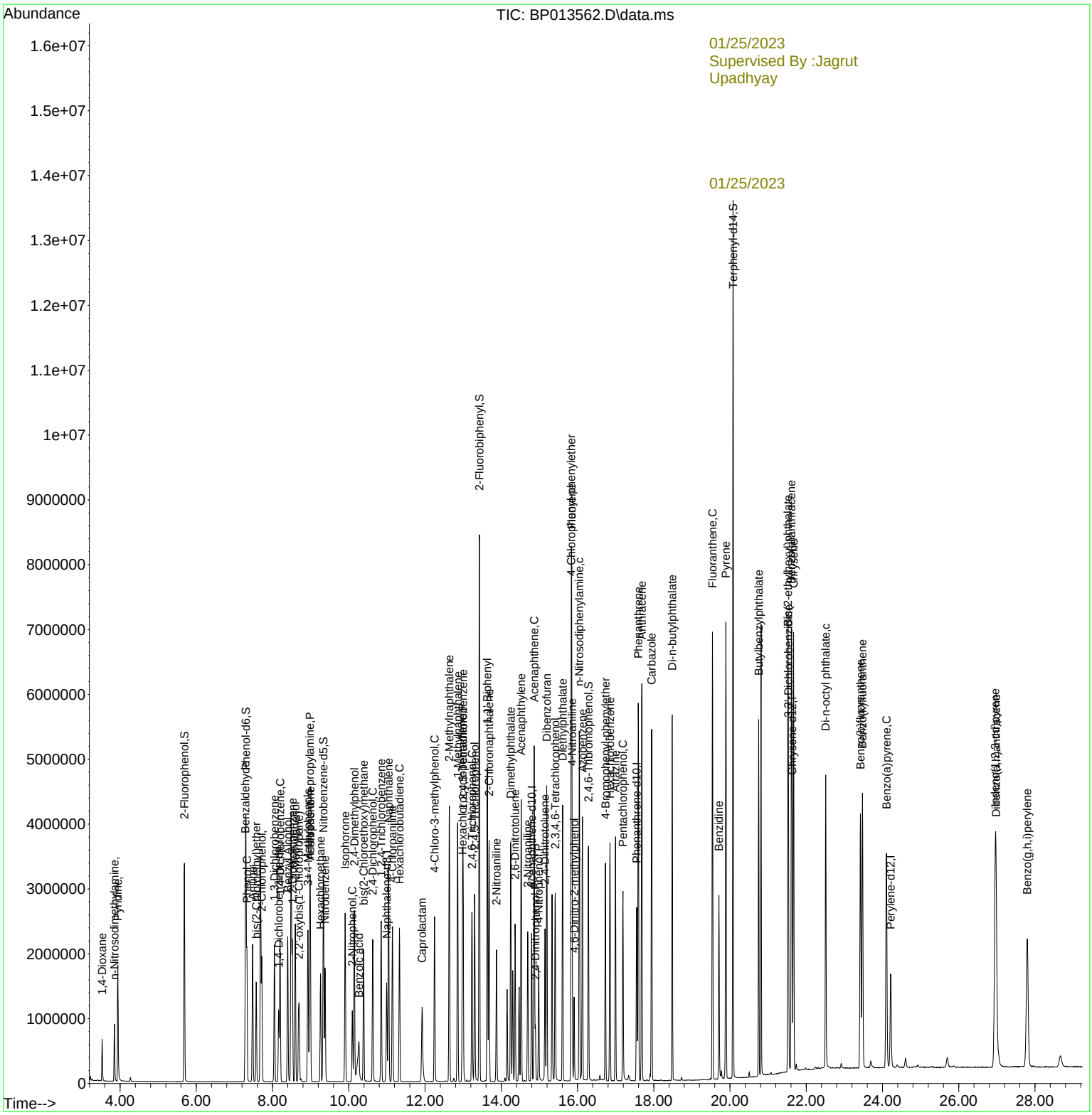
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013562.D
Acq On : 24 Jan 2023 09:53
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

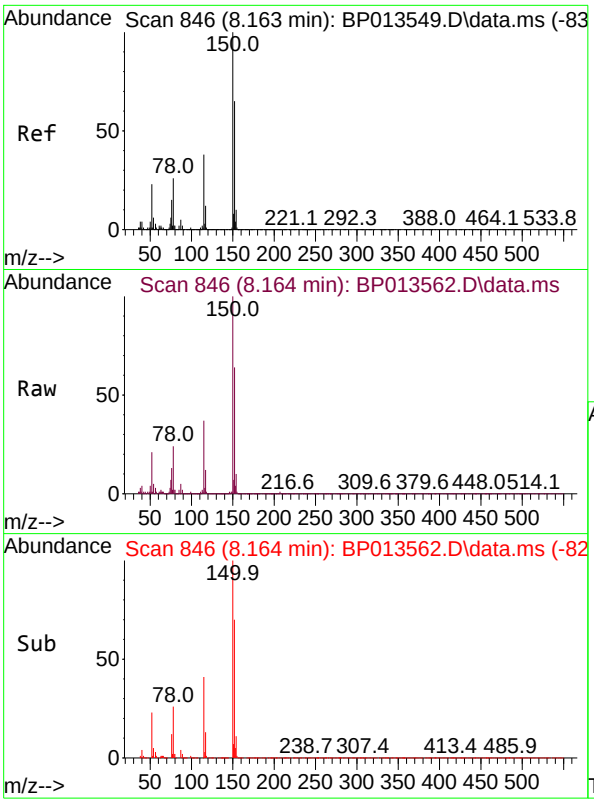
Quant Time: Jan 25 03:45:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

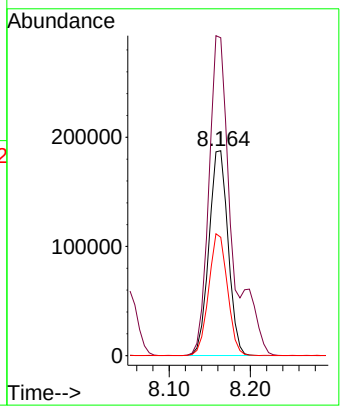




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 84
Delta R.T. -0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:152 Resp: 30682

Ion	Ratio	Lower	Upper
152	100		
150	155.2	122.4	183.6
115	57.8	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

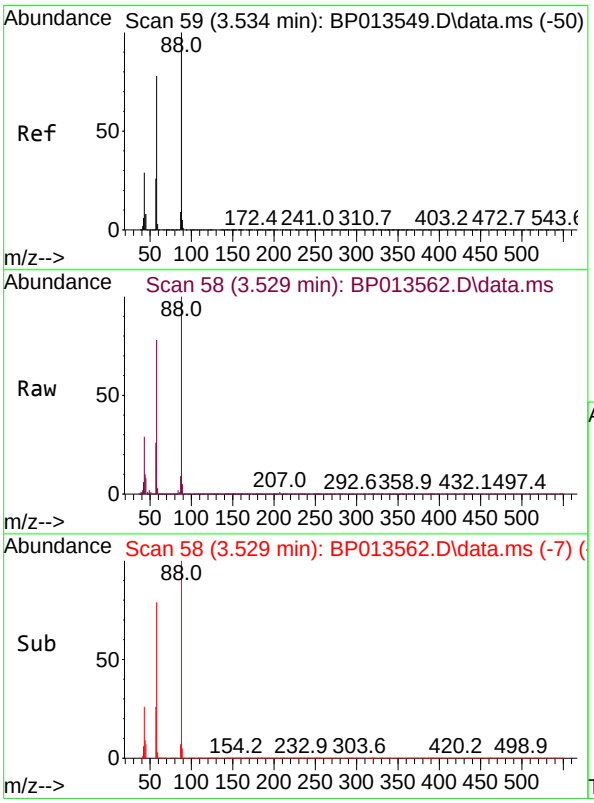
Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023

Supervised By :Jagrut Upadhyay

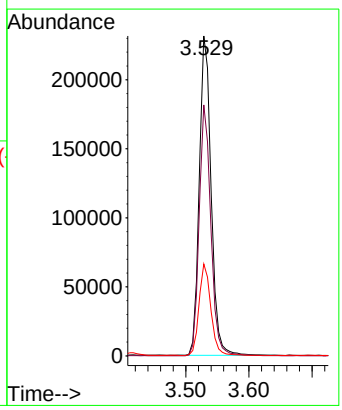
01/25/2023

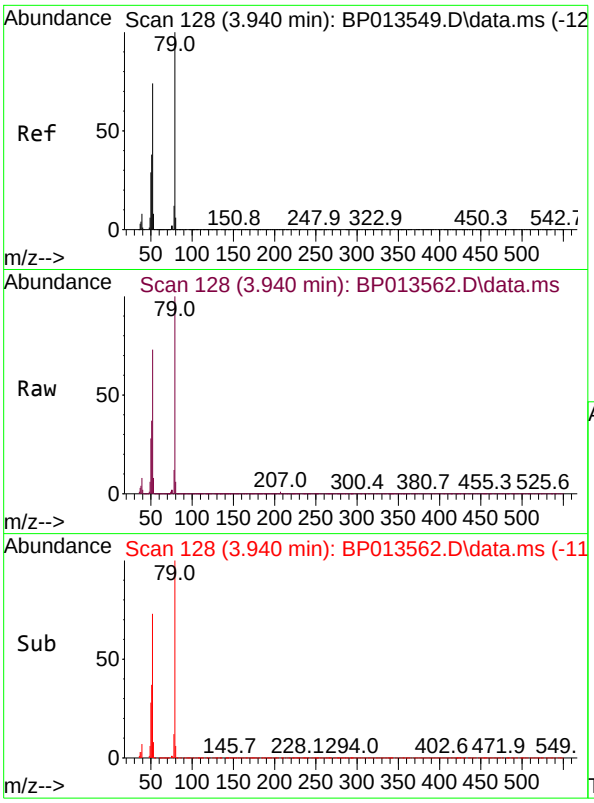


#2
1,4-Dioxane
Concen: 41.714 ng
RT: 3.529 min Scan# 58
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 88 Resp: 301144

Ion	Ratio	Lower	Upper
88	100		
58	77.7	63.6	95.4
43	28.5	24.2	36.2

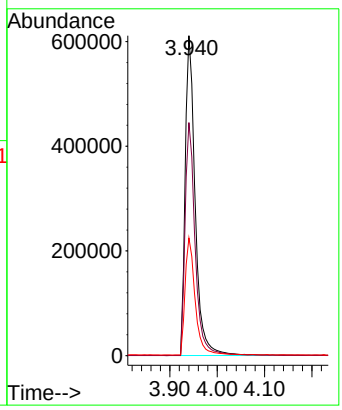




#3
Pyridine
Concen: 41.872 ng
RT: 3.940 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 79 Resp: 89735

Ion	Ratio	Lower	Upper
79	100		
52	72.8	59.4	89.2
51	36.8	30.6	45.8



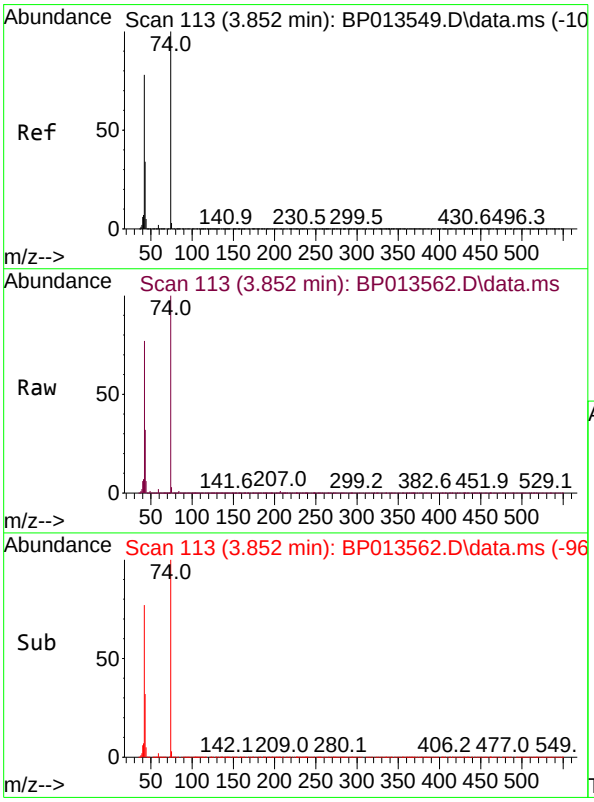
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

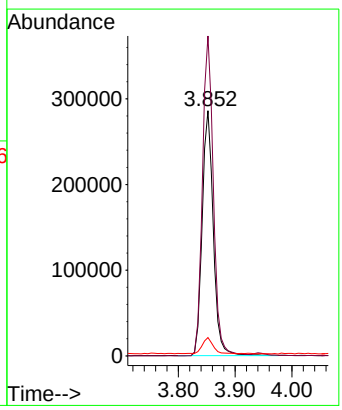
01/25/2023

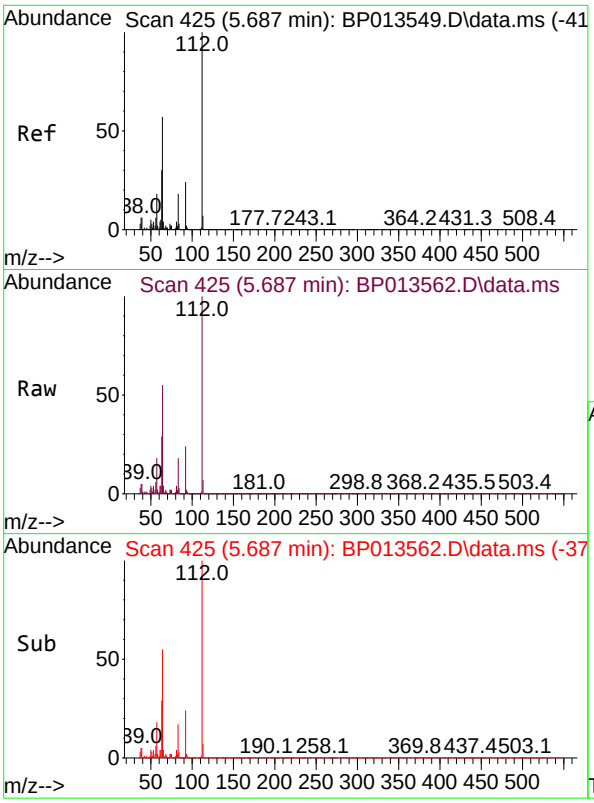


#4
n-Nitrosodimethylamine
Concen: 39.936 ng
RT: 3.852 min Scan# 113
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 42 Resp: 386976

Ion	Ratio	Lower	Upper
42	100		
74	130.5	102.3	153.5
44	7.4	6.2	9.2

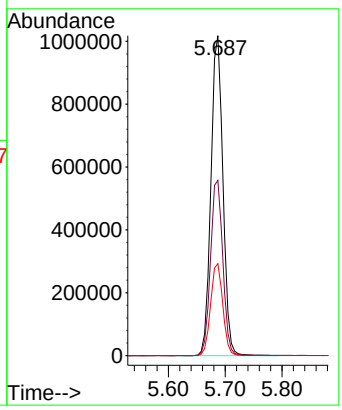




#5
2-Fluorophenol
Concen: 83.522 ng
RT: 5.687 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:112 Resp: 149569

Ion	Ratio	Lower	Upper
112	100		
64	54.7	45.4	68.0
63	28.7	24.1	36.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

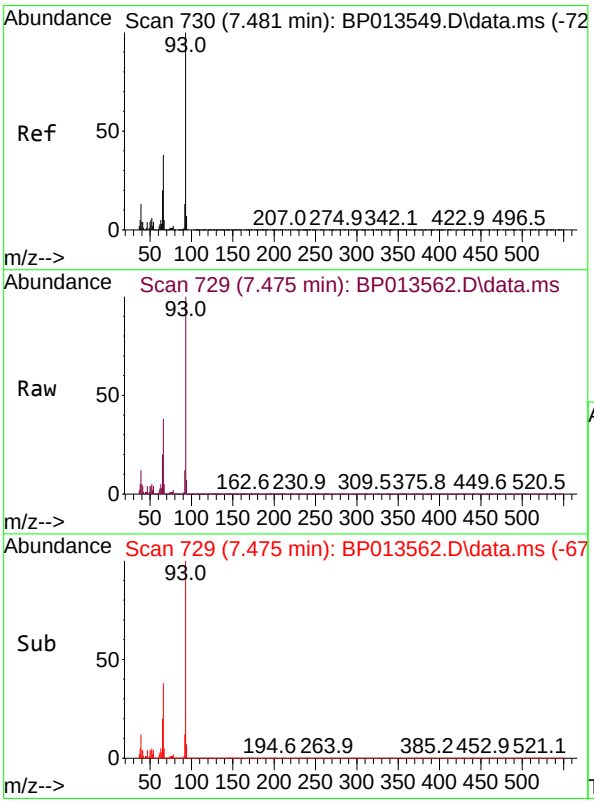
Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023

Supervised By :Jagrut Upadhyay

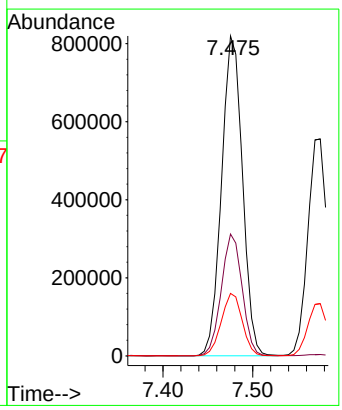
01/25/2023

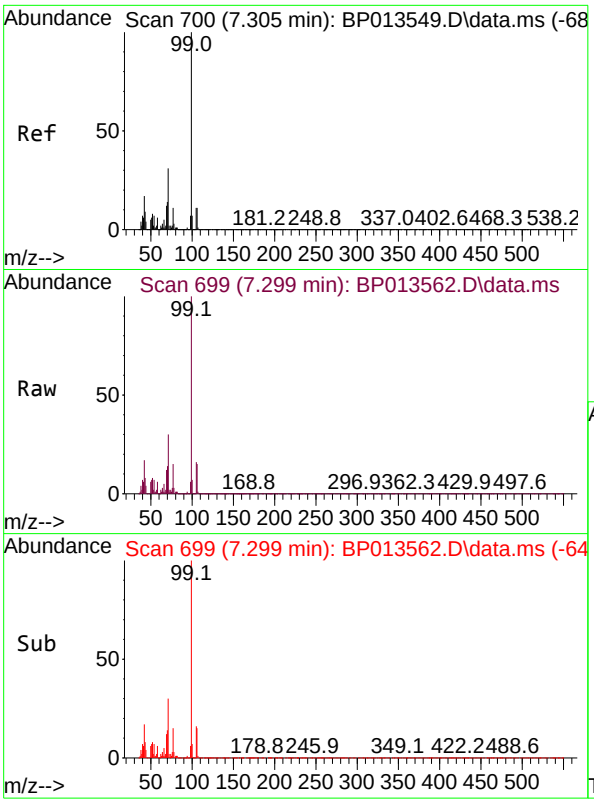


#6
Aniline
Concen: 41.171 ng
RT: 7.475 min Scan# 729
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 93 Resp: 1333004

Ion	Ratio	Lower	Upper
93	100		
66	38.1	30.3	45.5
65	19.5	15.9	23.9

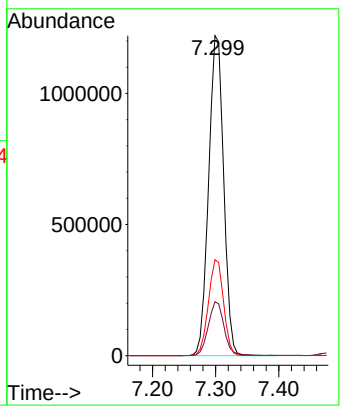




#7
Phenol-d6
Concen: 83.809 ng
RT: 7.299 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 99 Resp: 201993

Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.0	21.0
71	30.0	24.7	37.1



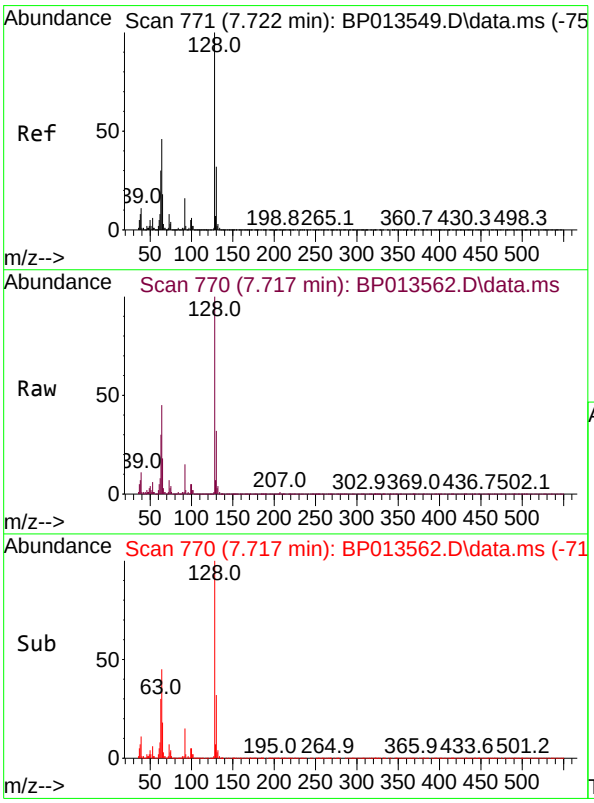
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

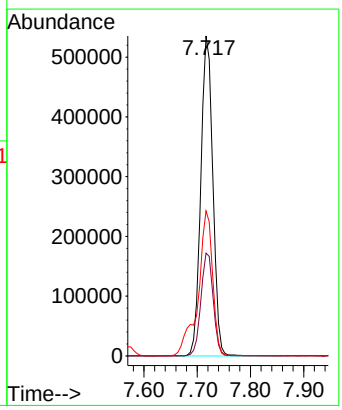
01/25/2023

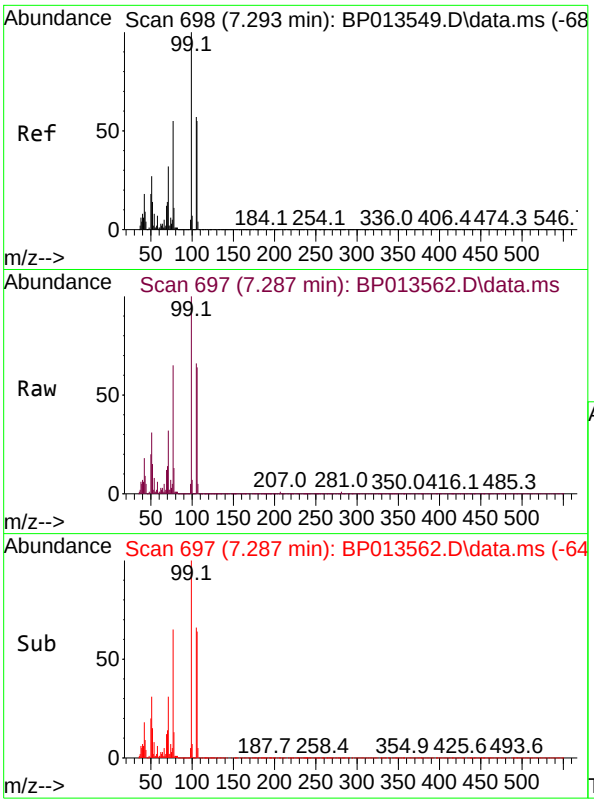


#8
2-Chlorophenol
Concen: 42.487 ng
RT: 7.717 min Scan# 770
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:128 Resp: 839567

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.4	52.4
64	45.3	26.2	66.2

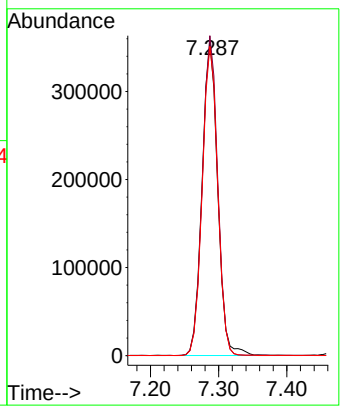




#9
Benzaldehyde
Concen: 37.262 ng
RT: 7.287 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 77 Resp: 56871

Ion	Ratio	Lower	Upper
77	100		
105	102.2	82.6	122.6
106	98.7	78.9	118.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

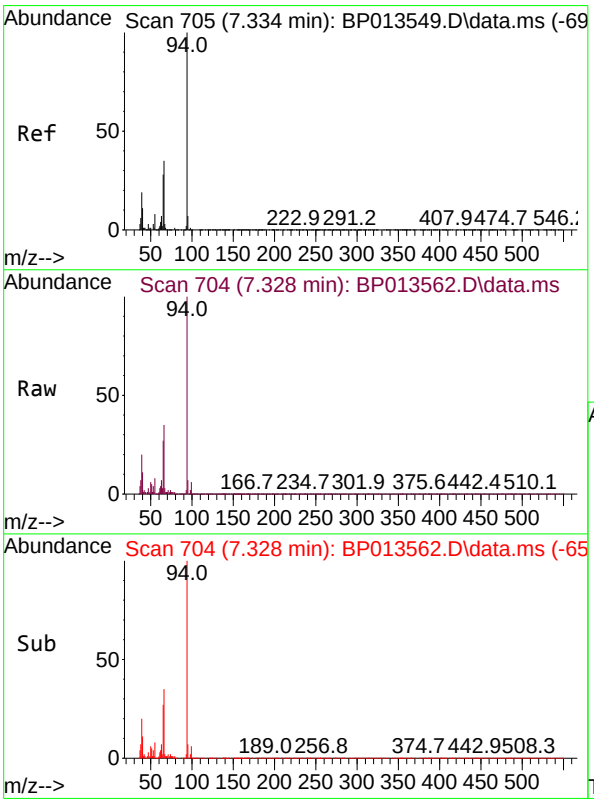
Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023

Supervised By :Jagrut Upadhyay

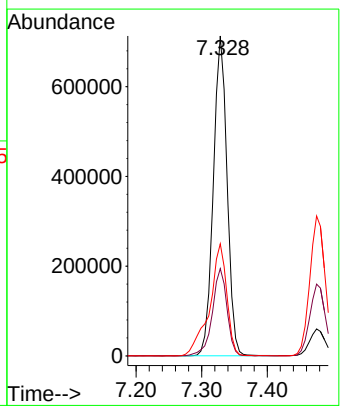
01/25/2023

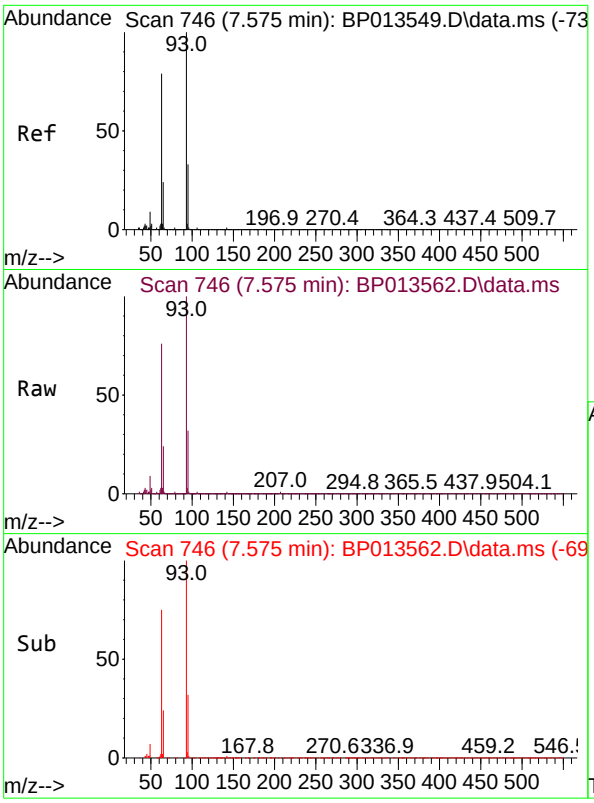


#10
Phenol
Concen: 41.792 ng
RT: 7.328 min Scan# 704
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 94 Resp: 1043588

Ion	Ratio	Lower	Upper
94	100		
65	27.3	7.8	47.8
66	35.0	15.5	55.5

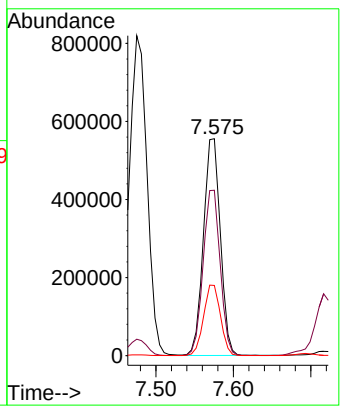




#11
bis(2-Chloroethyl)ether
Concen: 41.289 ng
RT: 7.575 min Scan# 74
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 93 Resp: 84304

Ion	Ratio	Lower	Upper
93	100		
63	76.3	58.7	98.7
95	32.3	12.8	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

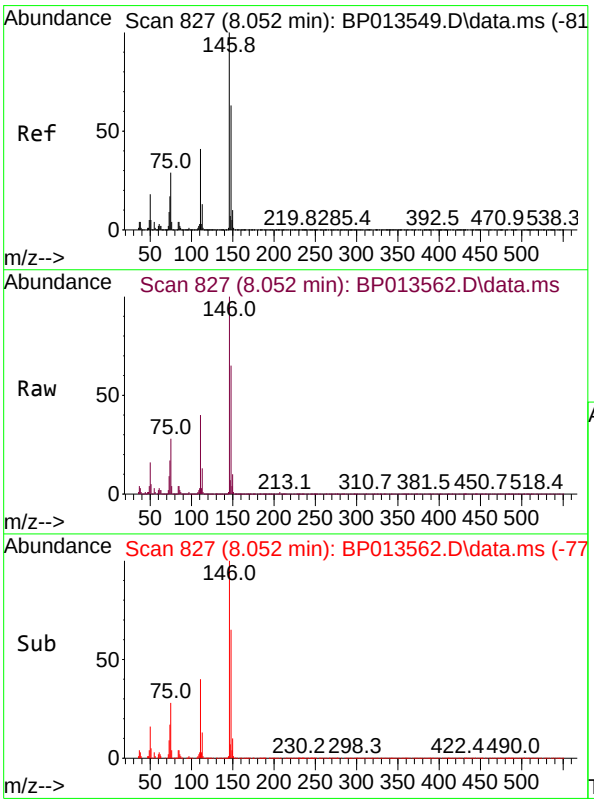
Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023

Supervised By :Jagrut Upadhyay

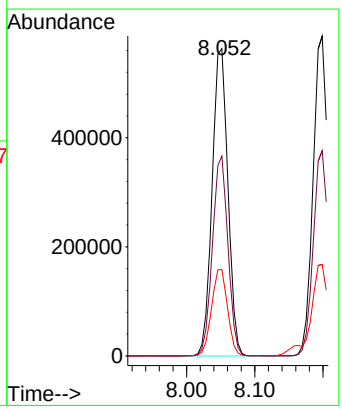
01/25/2023

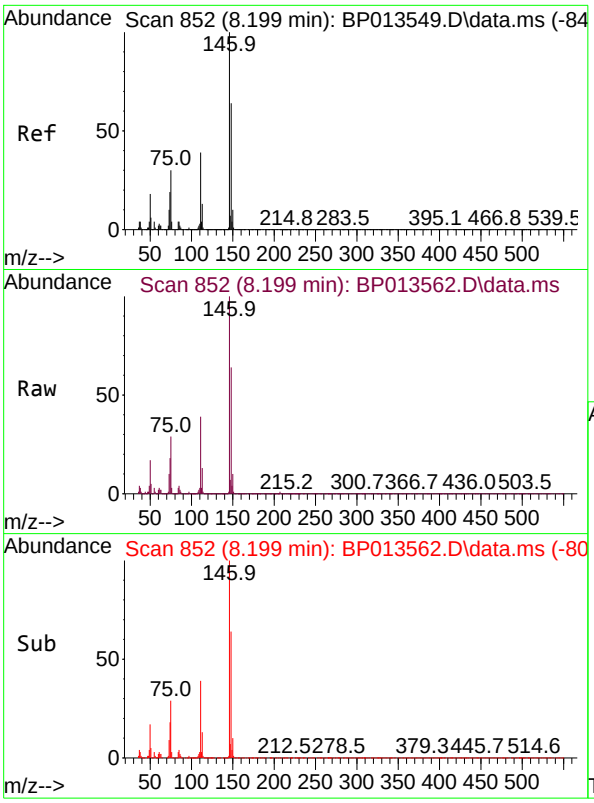


#12
1,3-Dichlorobenzene
Concen: 41.305 ng
RT: 8.052 min Scan# 827
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:146 Resp: 902629

Ion	Ratio	Lower	Upper
146	100		
148	65.1	50.7	76.1
75	28.1	23.4	35.2

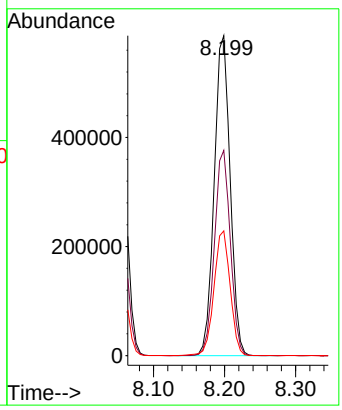




#13
1,4-Dichlorobenzene
Concen: 41.386 ng
RT: 8.199 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:146 Resp: 91702

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
111	39.0	31.4	47.2



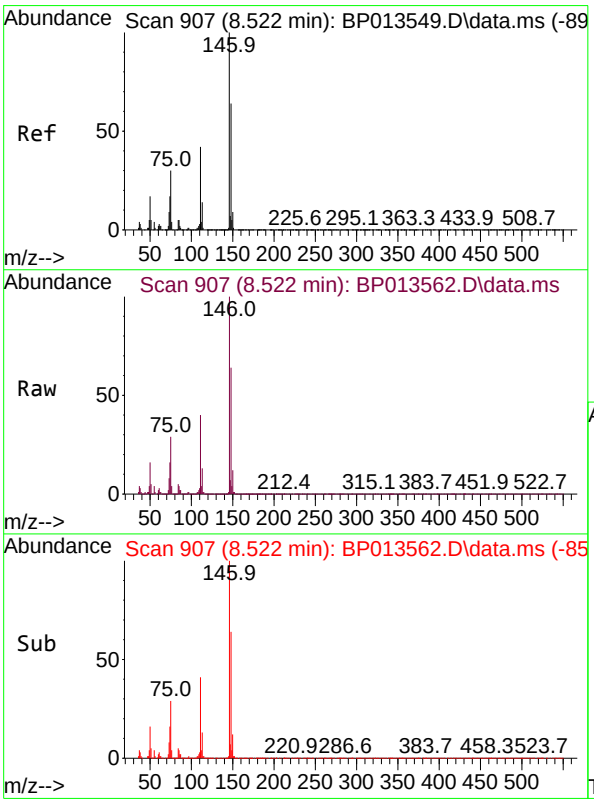
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

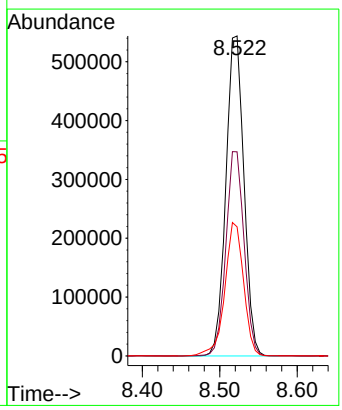
01/25/2023

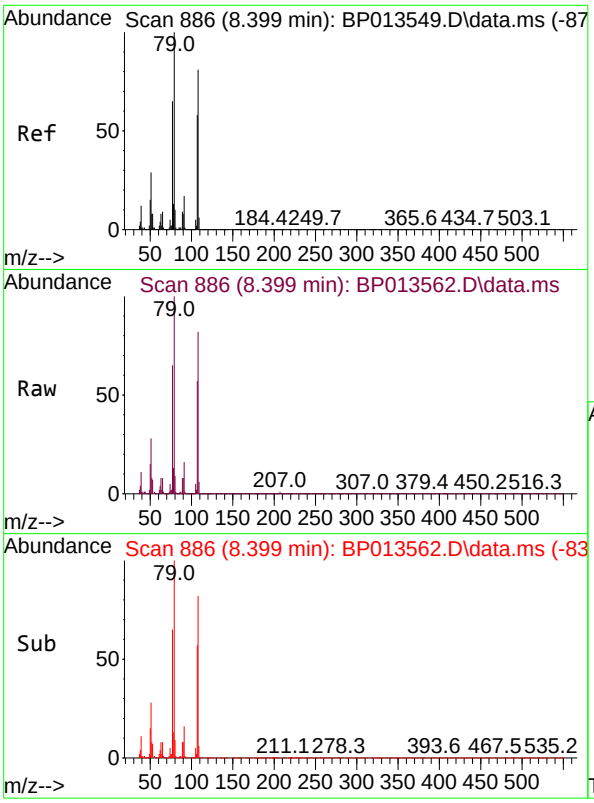


#14
1,2-Dichlorobenzene
Concen: 41.063 ng
RT: 8.522 min Scan# 907
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:146 Resp: 881017

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.8	76.2
111	40.3	33.4	50.2





#15
Benzyl Alcohol
Concen: 41.827 ng
RT: 8.399 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 79 Resp: 720259

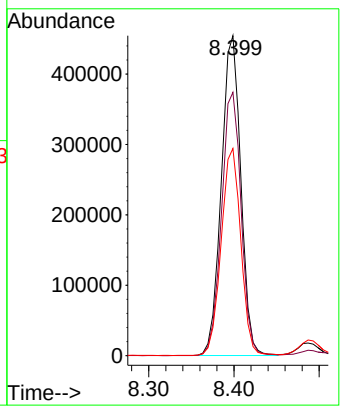
Ion	Ratio	Lower	Upper
79	100		
108	82.3	65.2	97.8
77	64.7	52.3	78.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

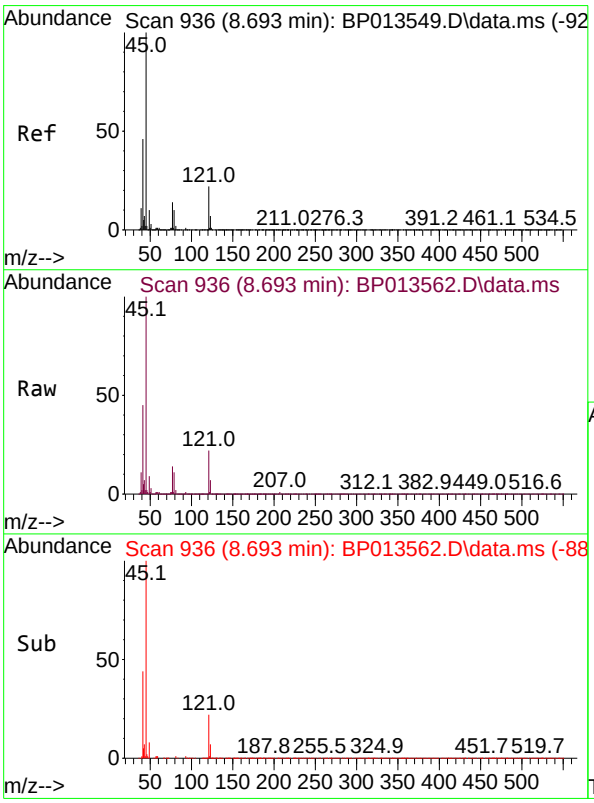
Reviewed By :Christian Giraldo

01/25/2023



Supervised By :Jagrut Upadhyay

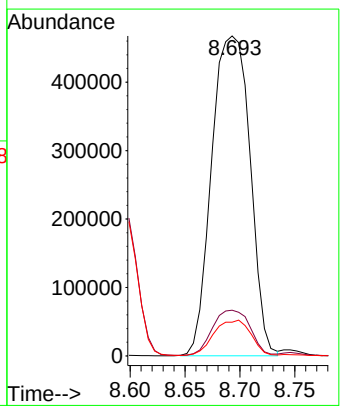
01/25/2023

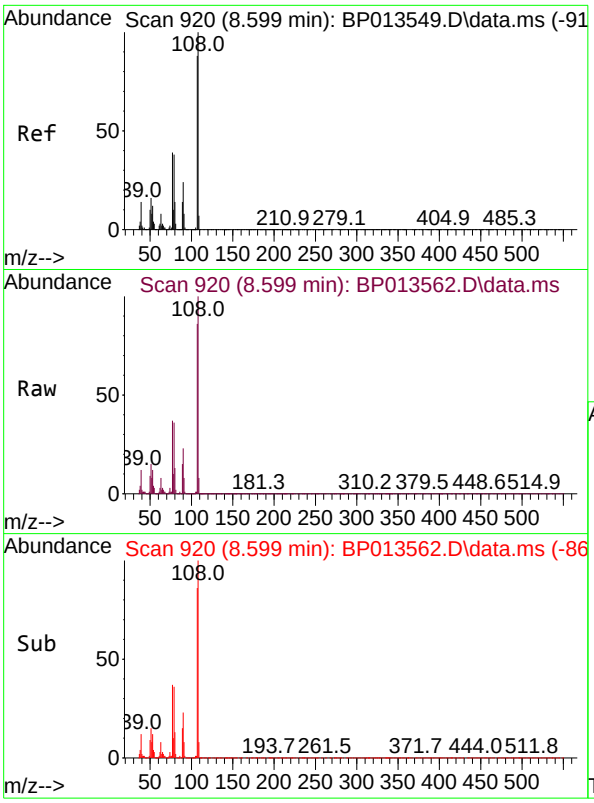


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.694 ng m
RT: 8.693 min Scan# 936
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 45 Resp: 1137767

Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	34.2
79	10.5	0.0	30.4

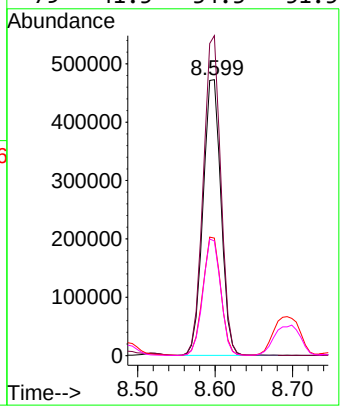




#17
2-Methylphenol
Concen: 41.869 ng
RT: 8.599 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:107 Resp: 75929

Ion	Ratio	Lower	Upper
107	100		
108	116.0	90.5	135.7
77	42.6	35.4	53.2
79	41.5	34.3	51.5



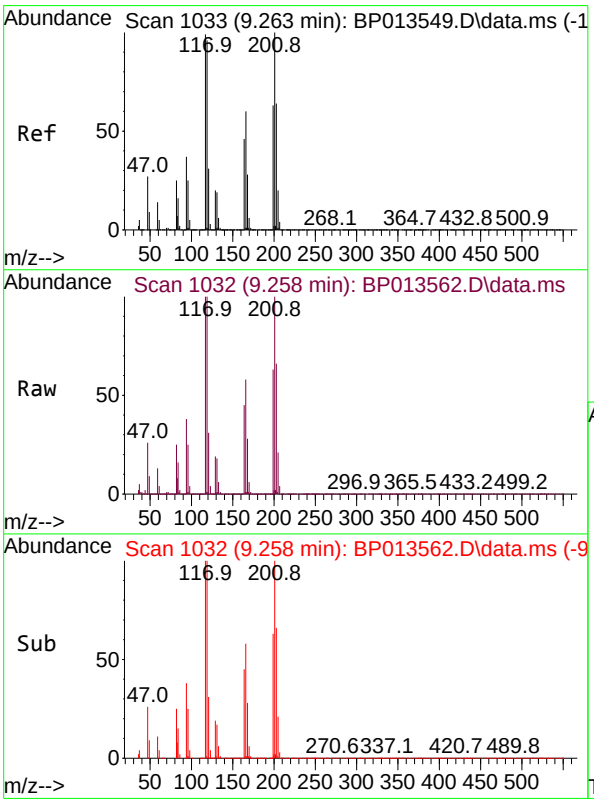
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

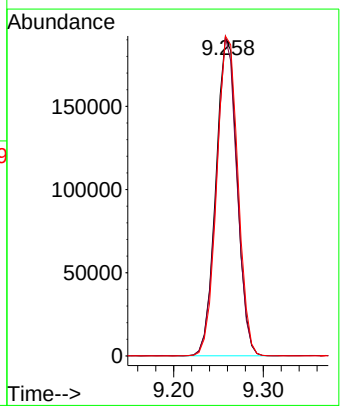
01/25/2023

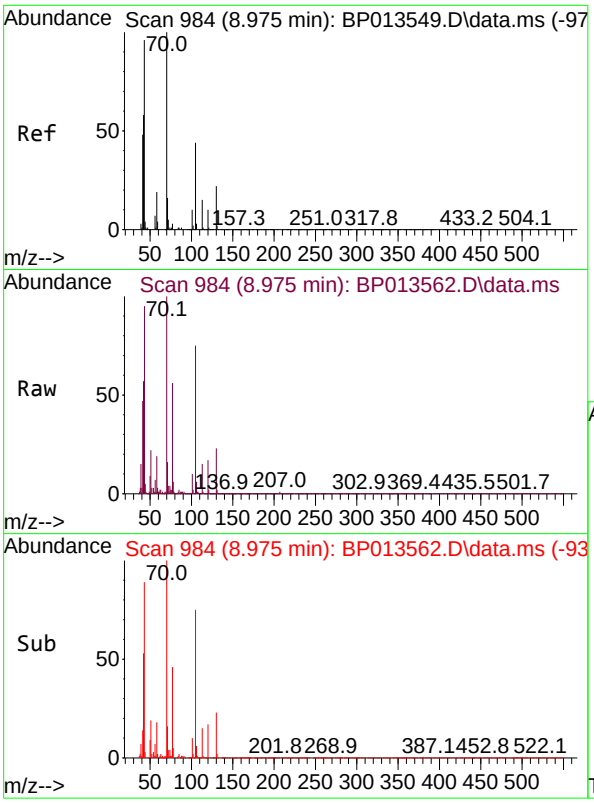


#18
Hexachloroethane
Concen: 42.711 ng
RT: 9.258 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:117 Resp: 316331

Ion	Ratio	Lower	Upper
117	100		
119	100.0	77.0	115.6
201	100.4	80.6	120.8

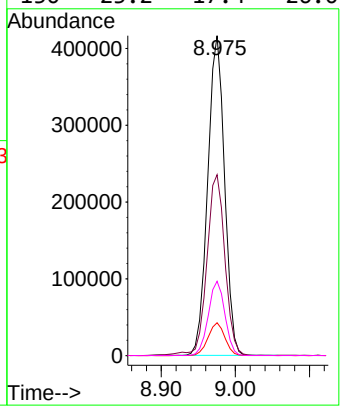




#19
n-Nitroso-di-n-propylamine
Concen: 42.256 ng
RT: 8.975 min Scan# 98
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 70 Resp: 655969

Ion	Ratio	Lower	Upper
70	100		
42	56.5	47.2	70.8
101	10.3	8.0	12.0
130	23.2	17.4	26.0



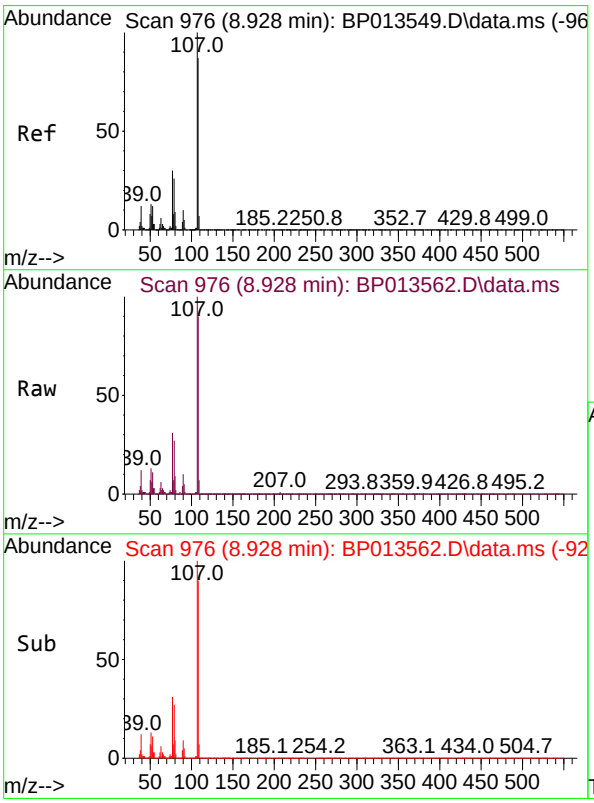
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

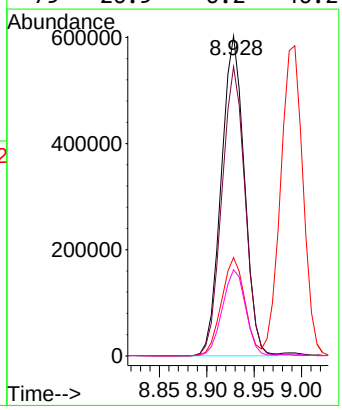
01/25/2023

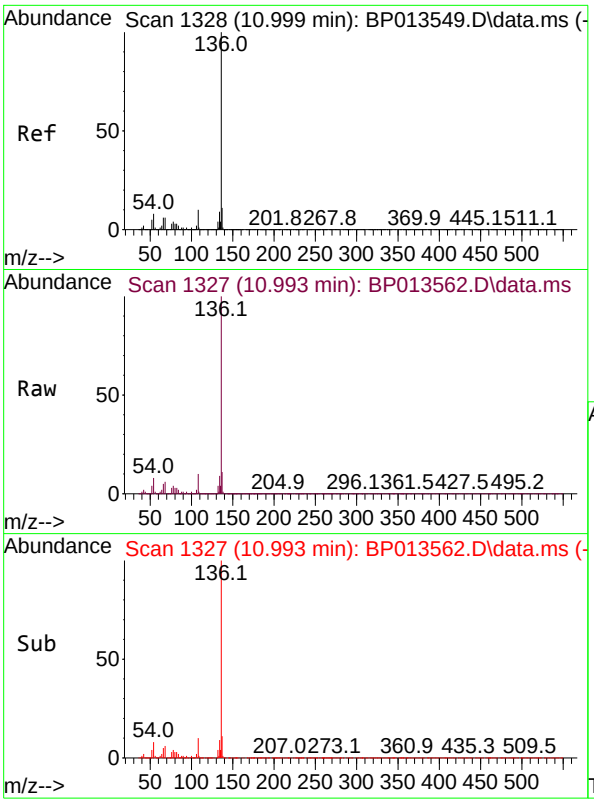


#20
3+4-Methylphenols
Concen: 42.847 ng
RT: 8.928 min Scan# 976
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:107 Resp: 1022770

Ion	Ratio	Lower	Upper
107	100		
108	90.4	67.5	107.5
77	30.7	10.5	50.5
79	26.9	6.2	46.2

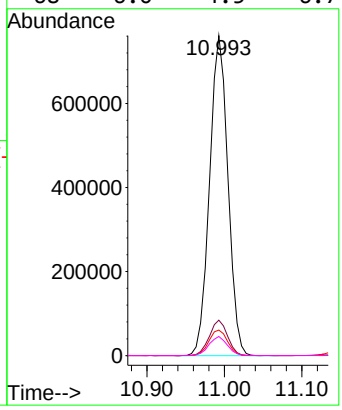




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:136 Resp: 125267

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.0	6.6	9.8
68	6.0	4.5	6.7



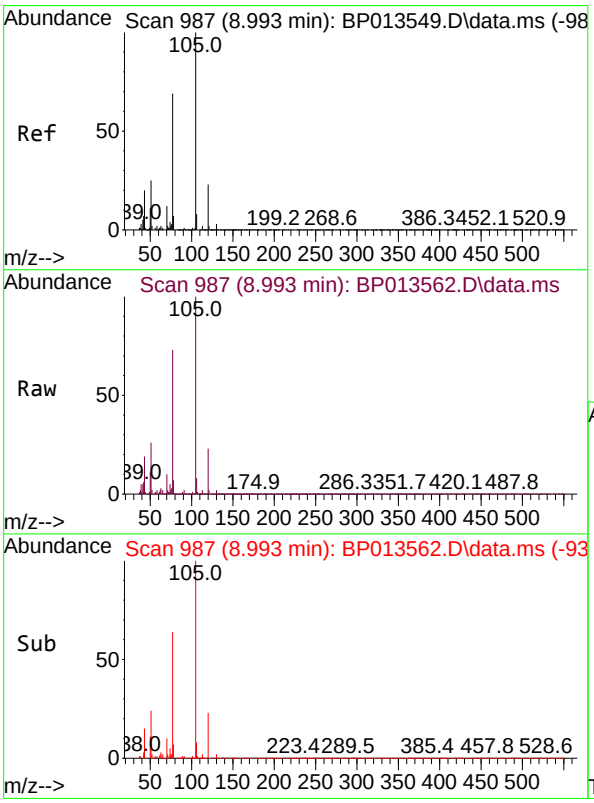
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

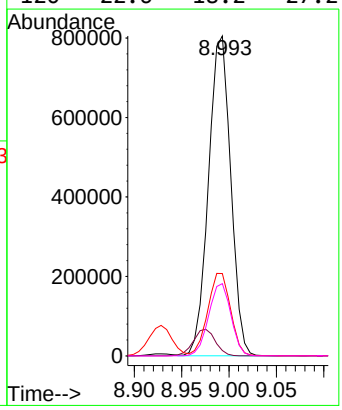
01/25/2023

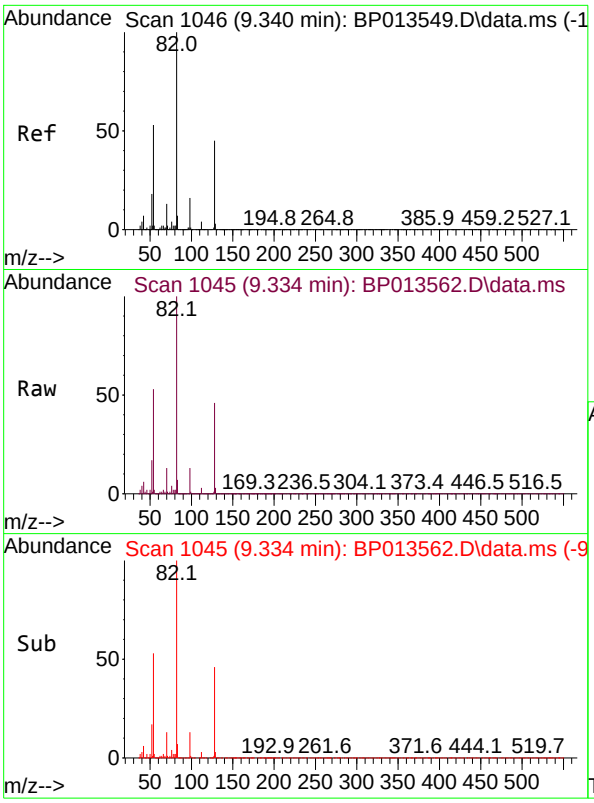


#22
Acetophenone
Concen: 40.931 ng
RT: 8.993 min Scan# 987
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:105 Resp: 1315370

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.8	2.8#
51	25.7	21.1	31.7
120	22.6	18.2	27.2





#23
Nitrobenzene-d5
Concen: 92.387 ng
RT: 9.334 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 82 Resp: 175306

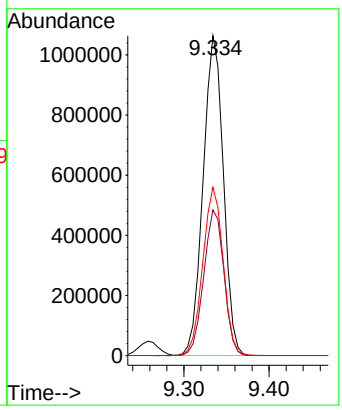
Ion	Ratio	Lower	Upper
82	100		
128	45.5	35.8	53.6
54	52.6	42.6	64.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

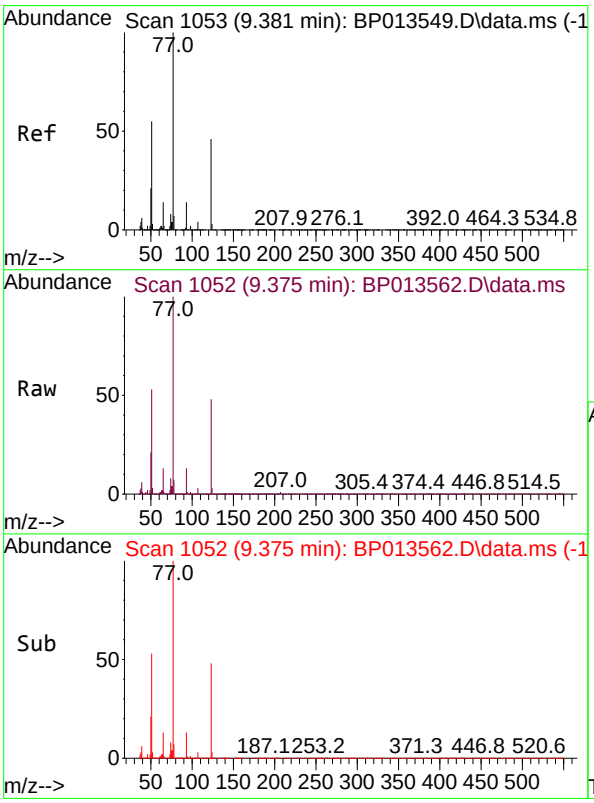
Reviewed By :Christian Giraldo

01/25/2023



Supervised By :Jagrut Upadhyay

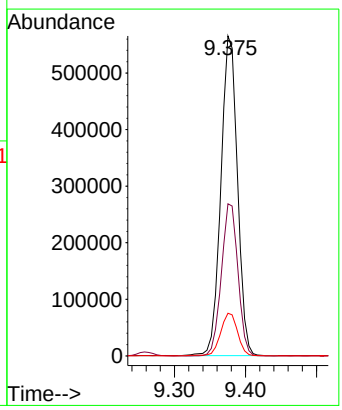
01/25/2023

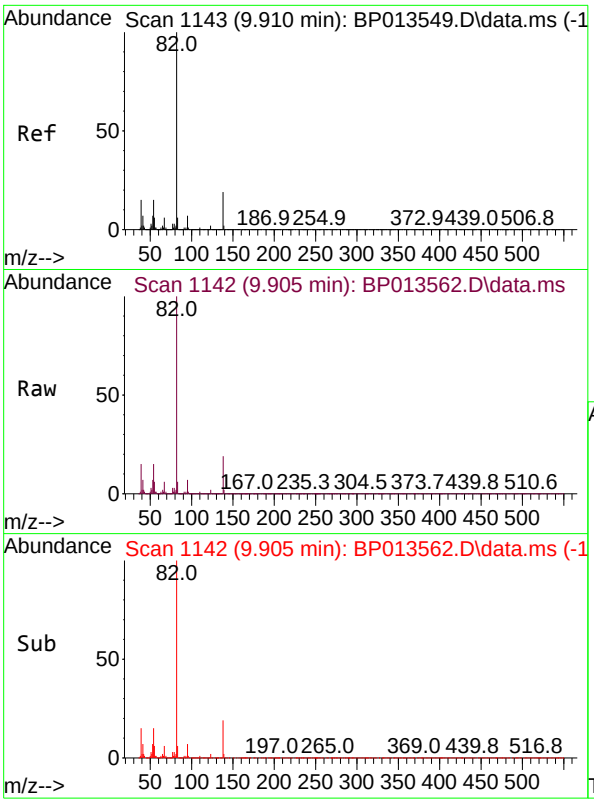


#24
Nitrobenzene
Concen: 45.050 ng
RT: 9.375 min Scan# 1052
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 77 Resp: 919125

Ion	Ratio	Lower	Upper
77	100		
123	47.5	37.2	55.8
65	13.3	11.1	16.7





#25
Isophorone
Concen: 40.844 ng
RT: 9.905 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 82 Resp: 183830

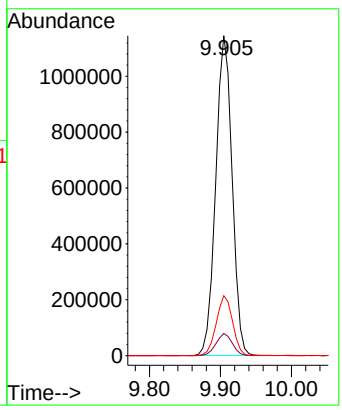
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.8
138	18.7	15.1	22.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

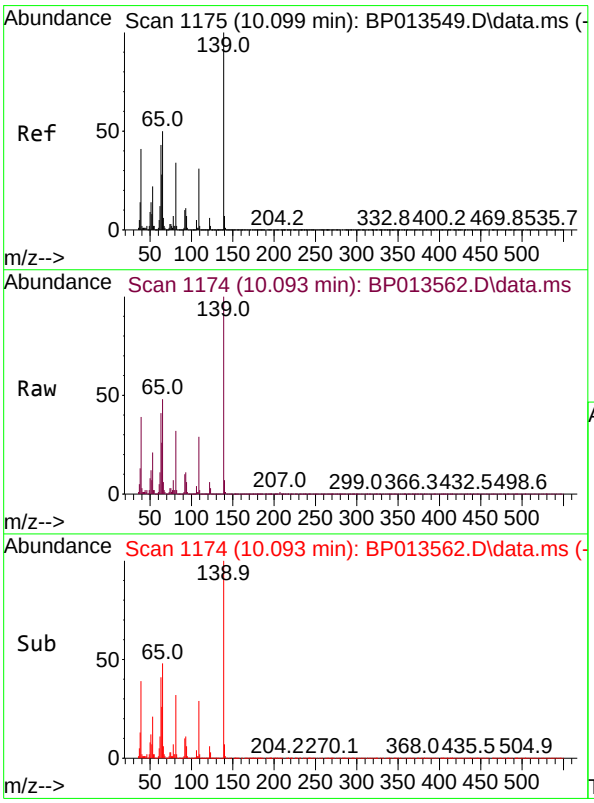
Reviewed By :Christian Giraldo

01/25/2023



Supervised By :Jagrut Upadhyay

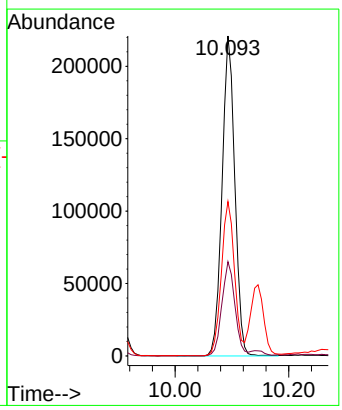
01/25/2023

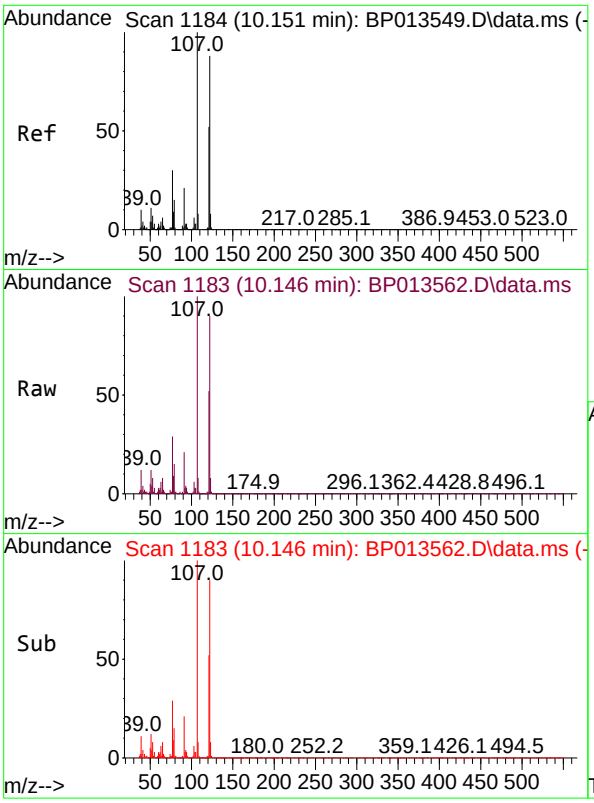


#26
2-Nitrophenol
Concen: 47.056 ng
RT: 10.093 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:139 Resp: 342720

Ion	Ratio	Lower	Upper
139	100		
109	29.4	25.1	37.7
65	48.2	40.1	60.1

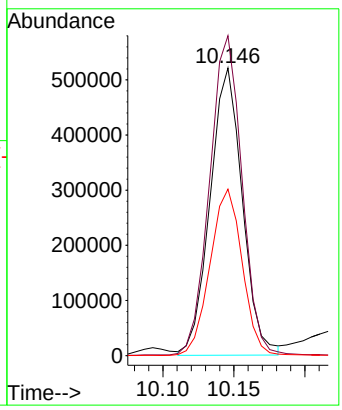




#27
2,4-Dimethylphenol
Concen: 42.337 ng
RT: 10.146 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:122 Resp: 82255

Ion	Ratio	Lower	Upper
122	100		
107	111.3	90.7	136.1
121	57.9	47.0	70.4



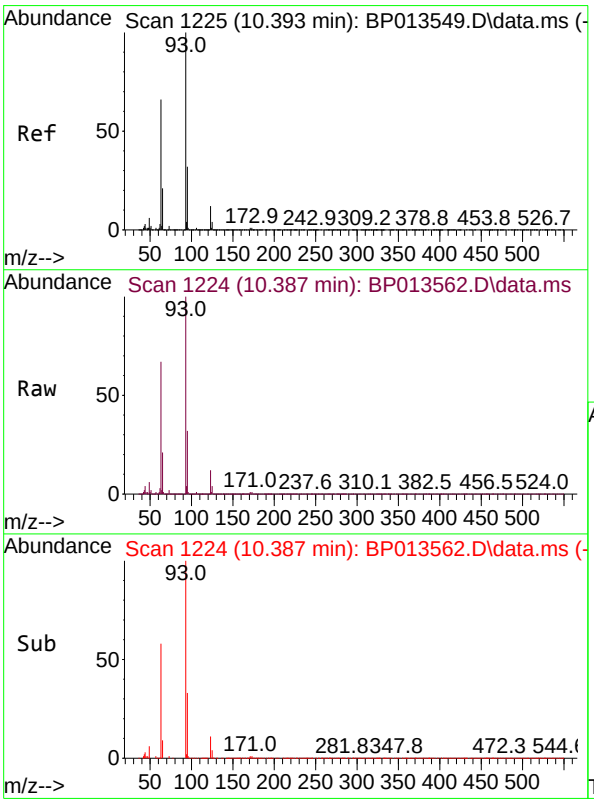
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

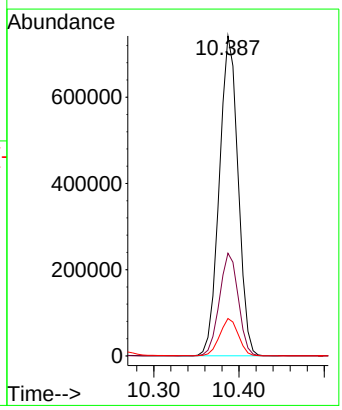
01/25/2023

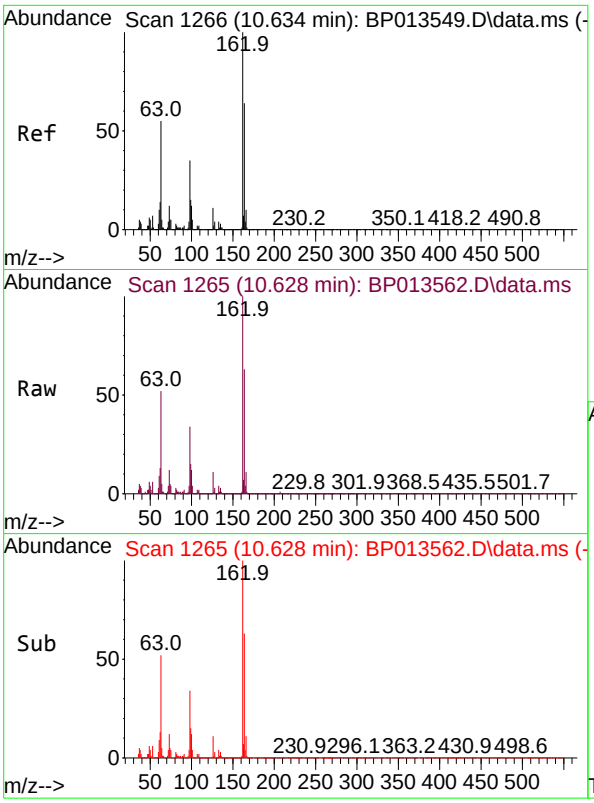


#28
bis(2-Chloroethoxy)methane
Concen: 41.850 ng
RT: 10.387 min Scan# 1224
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 93 Resp: 1135102

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.8	38.8
123	11.7	9.4	14.0

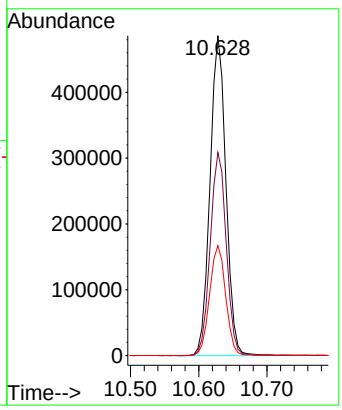




#29
2,4-Dichlorophenol
Concen: 43.931 ng
RT: 10.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:162 Resp: 78509

Ion	Ratio	Lower	Upper
162	100		
164	63.5	44.3	84.3
98	34.4	15.3	55.3



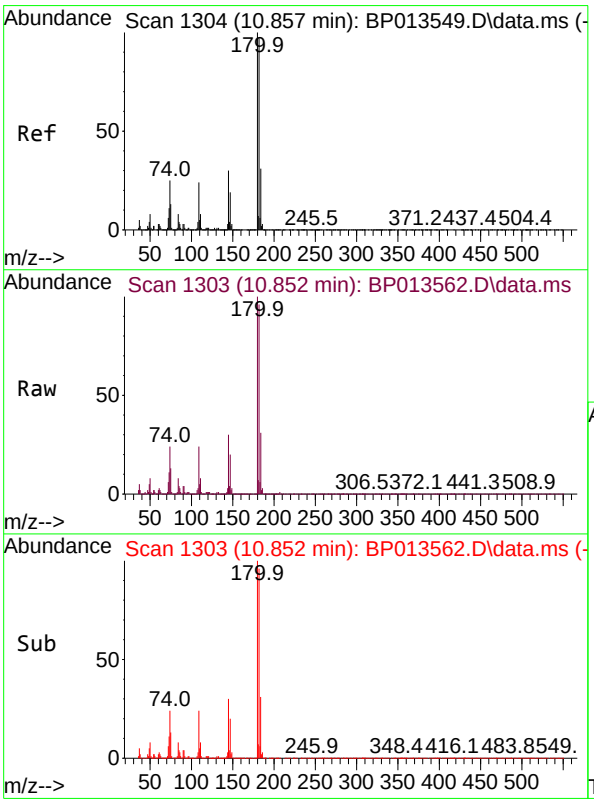
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

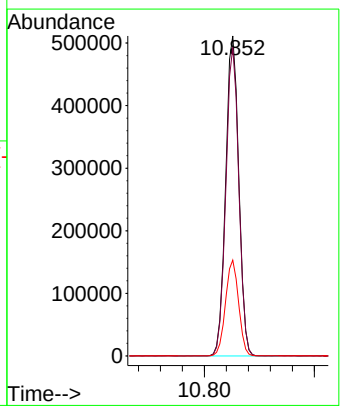
01/25/2023

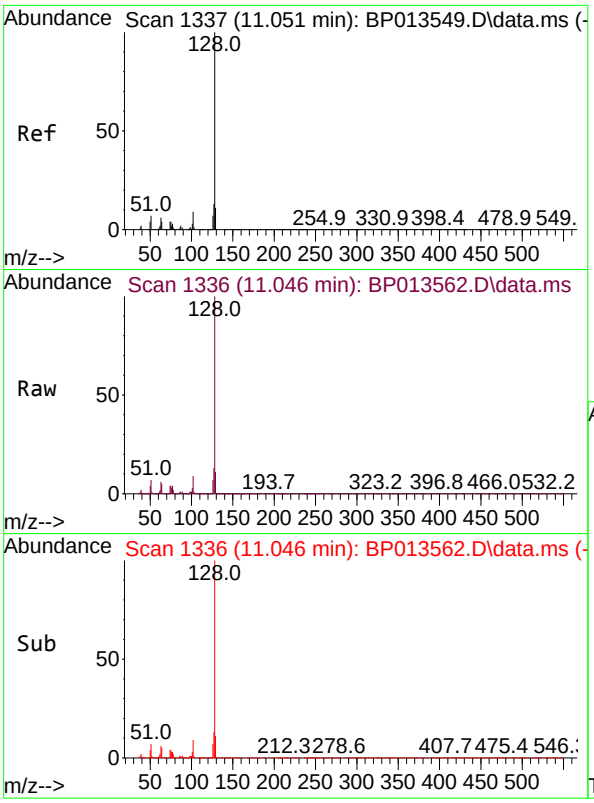


#30
1,2,4-Trichlorobenzene
Concen: 41.318 ng
RT: 10.852 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:180 Resp: 842671

Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.9	116.9
145	29.9	24.0	36.0

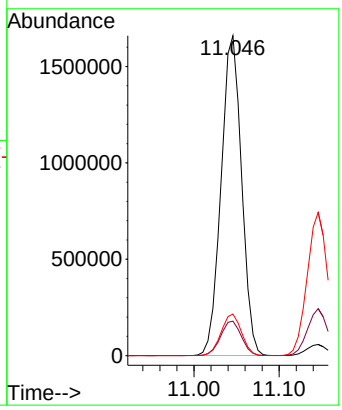




#31
Naphthalene
Concen: 41.131 ng
RT: 11.046 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:128 Resp: 276998

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.5	12.7
127	13.0	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

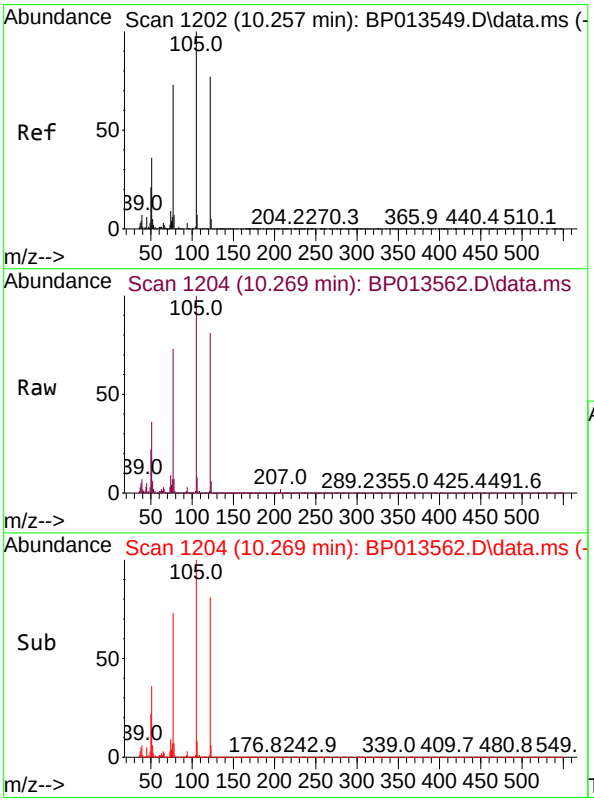
Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023

Supervised By :Jagrut Upadhyay

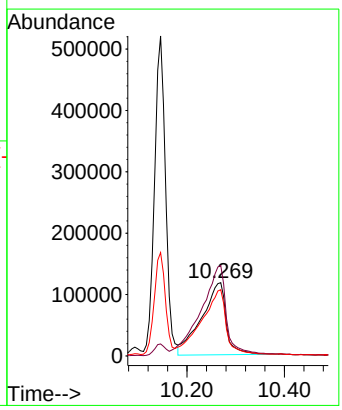
01/25/2023

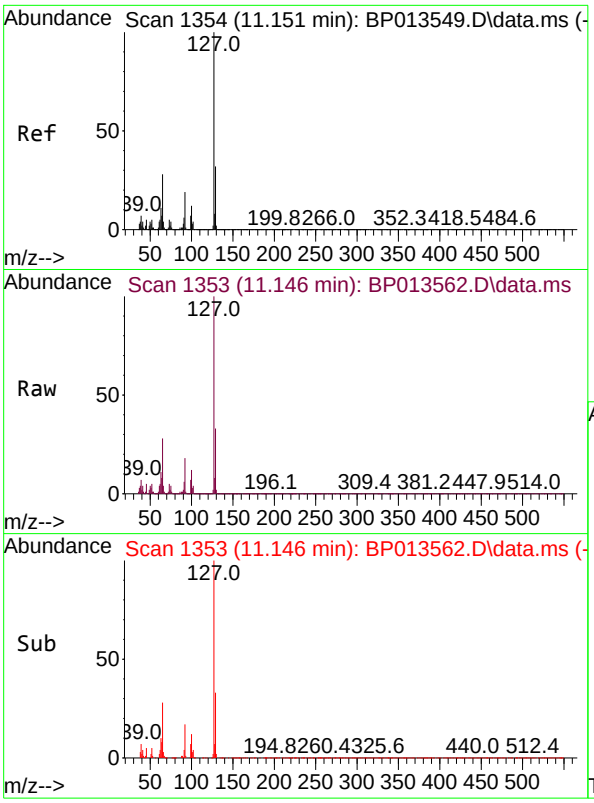


#32
Benzoic acid
Concen: 45.975 ng
RT: 10.269 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:122 Resp: 417114

Ion	Ratio	Lower	Upper
122	100		
105	123.3	100.5	140.5
77	90.3	70.9	110.9

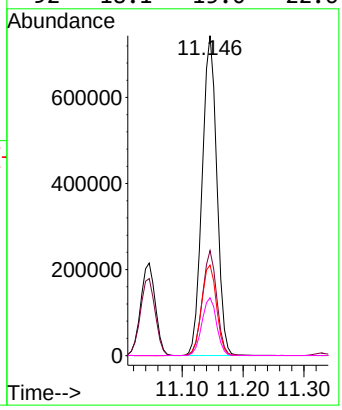




#33
4-Chloroaniline
Concen: 41.713 ng
RT: 11.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:127 Resp: 124298

Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.7	38.5
65	28.3	22.7	34.1
92	18.1	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

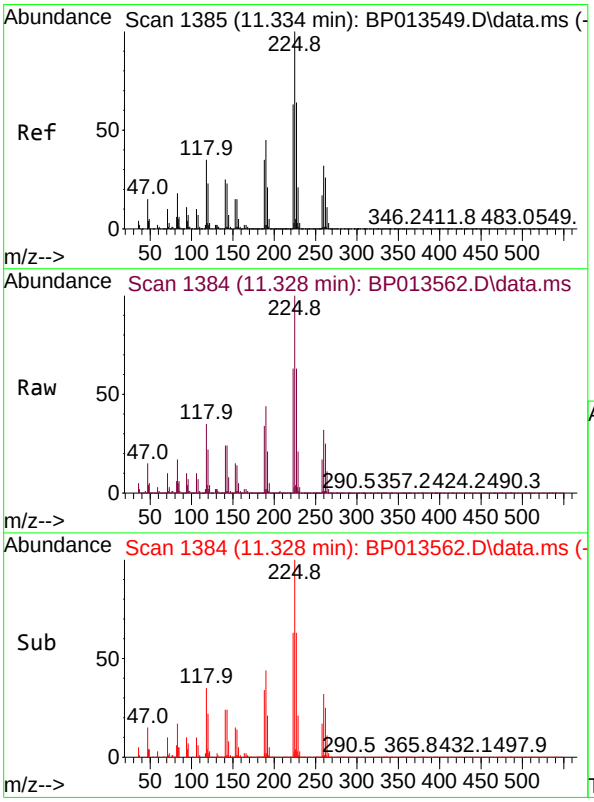
Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023

Supervised By :Jagrut Upadhyay

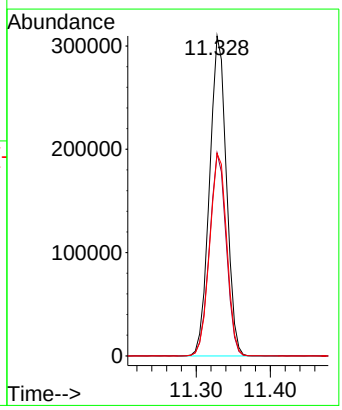
01/25/2023

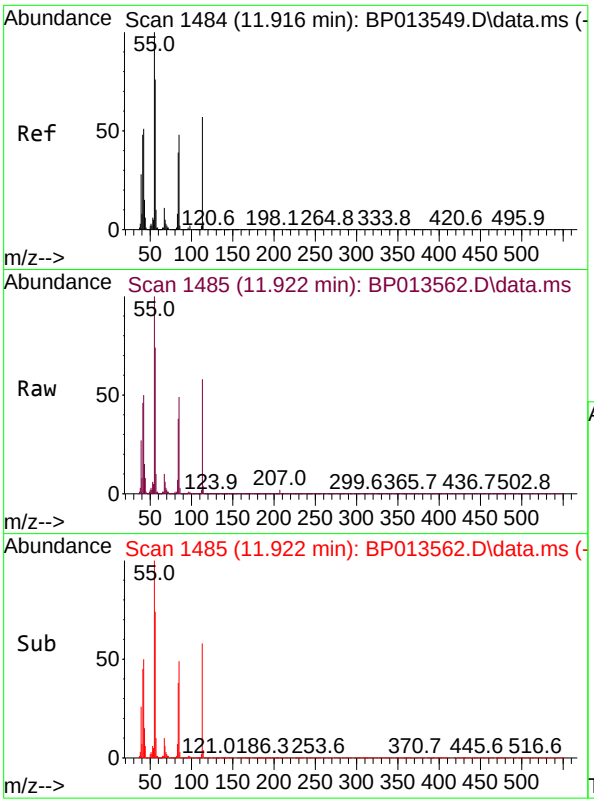


#34
Hexachlorobutadiene
Concen: 41.191 ng
RT: 11.328 min Scan# 1384
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:225 Resp: 488873

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.2	75.2
227	63.2	51.4	77.2





#35
Caprolactam
Concen: 46.549 ng
RT: 11.922 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

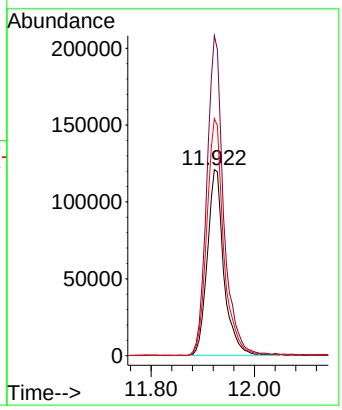
Tgt Ion:113 Resp: 26970

Ion	Ratio	Lower	Upper
113	100		
55	172.0	156.5	196.5
56	127.4	113.5	153.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

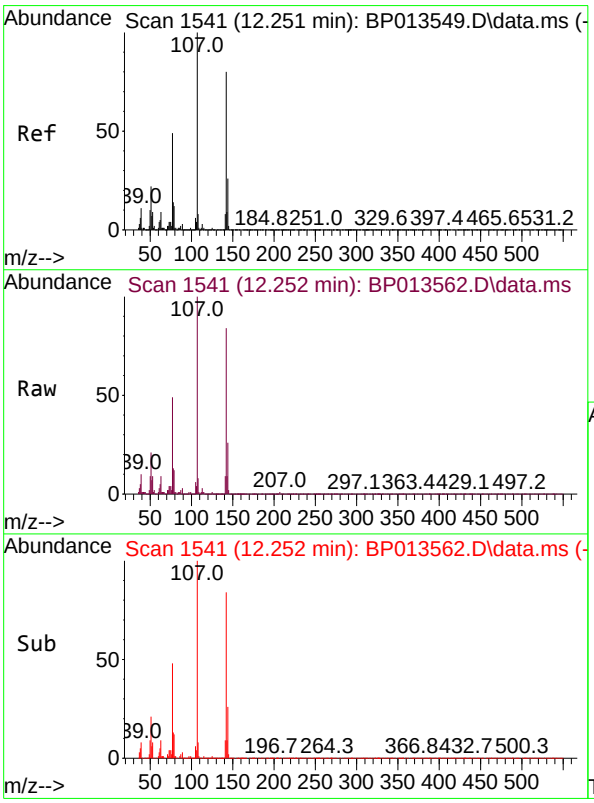
Manual Integrations APPROVED

Reviewed By :Christian Giraldo



01/25/2023
Supervised By :Jagrut Upadhyay

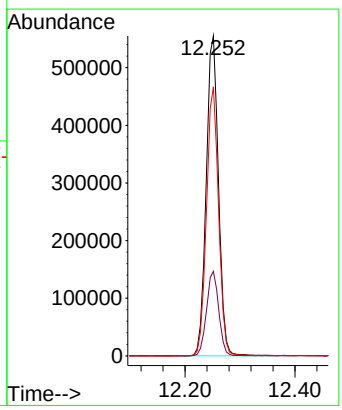
01/25/2023

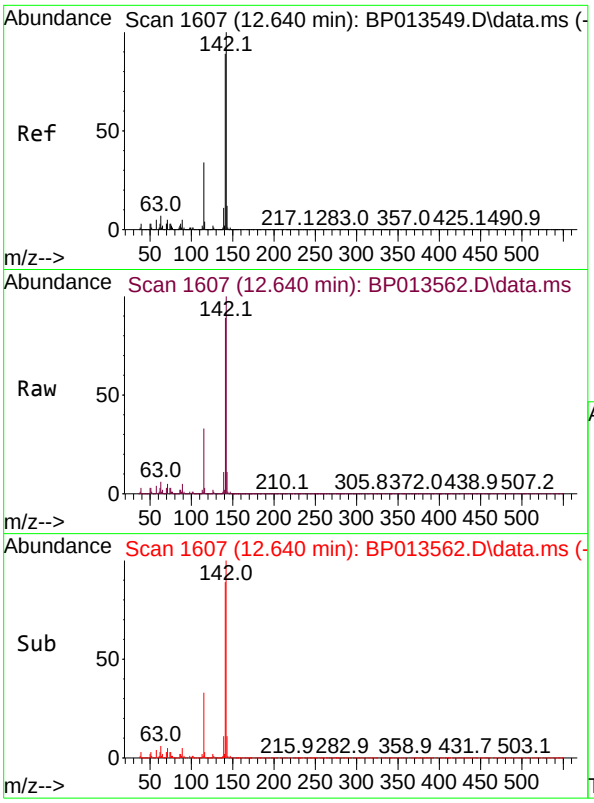


#36
4-Chloro-3-methylphenol
Concen: 44.172 ng
RT: 12.252 min Scan# 1541
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:107 Resp: 859706

Ion	Ratio	Lower	Upper
107	100		
144	26.4	21.1	31.7
142	84.1	64.0	96.0





#37
2-Methylnaphthalene
Concen: 41.931 ng
RT: 12.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

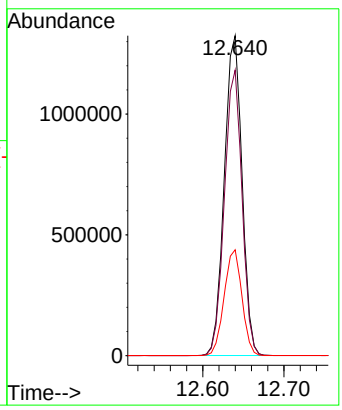
Tgt Ion:142 Resp: 200718

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.4	107.2
115	33.1	27.4	41.2

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

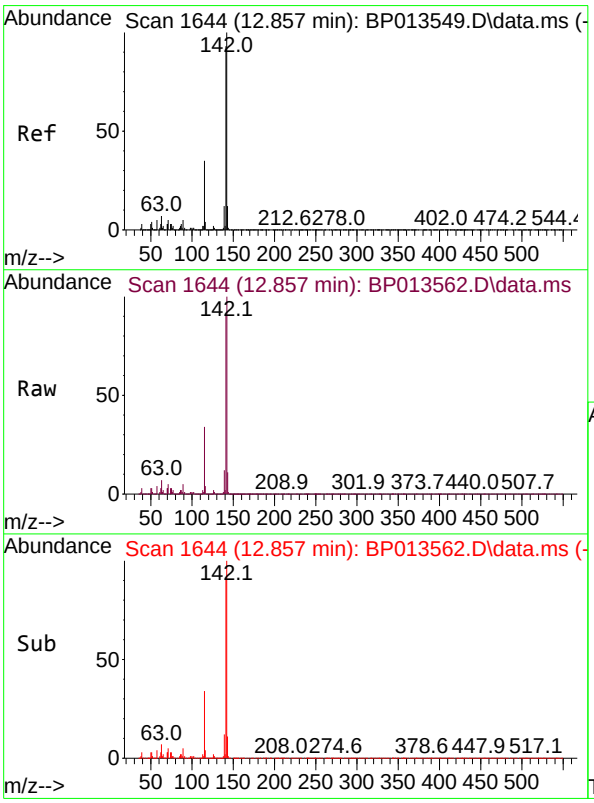
Manual Integrations APPROVED

Reviewed By :Christian Giraldo



01/25/2023
Supervised By :Jagrut Upadhyay

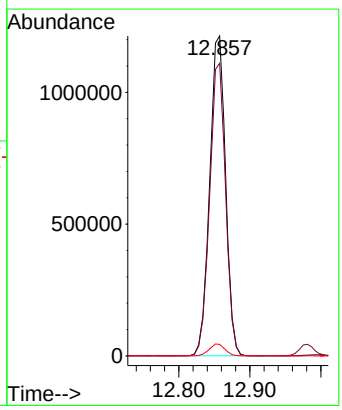
01/25/2023

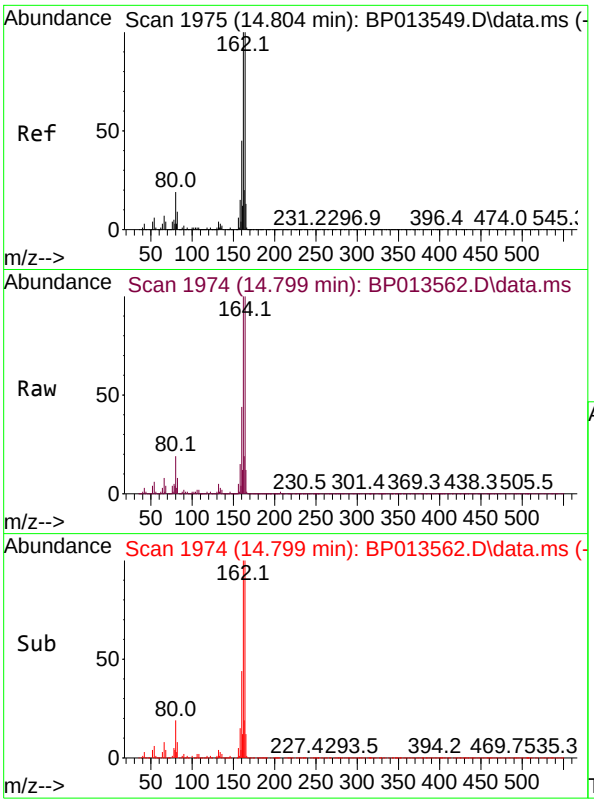


#38
1-Methylnaphthalene
Concen: 41.873 ng
RT: 12.857 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:142 Resp: 1883456

Ion	Ratio	Lower	Upper
142	100		
141	91.4	74.3	111.5
116	3.6	3.0	4.6

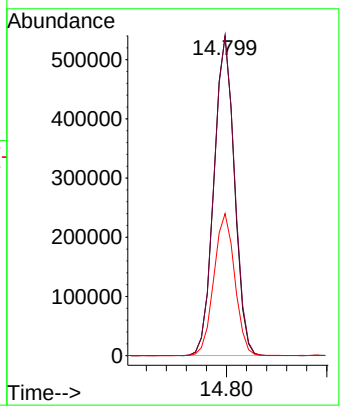




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.799 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:164 Resp: 763071

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.1	120.1
160	44.5	35.9	53.9



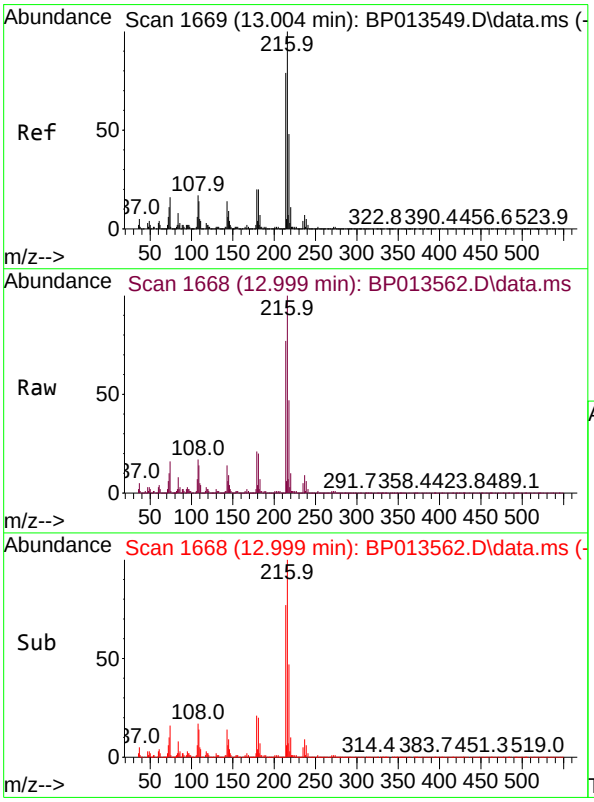
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

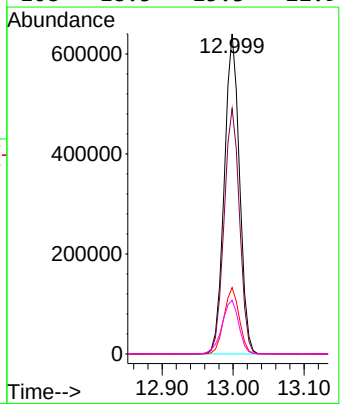
01/25/2023

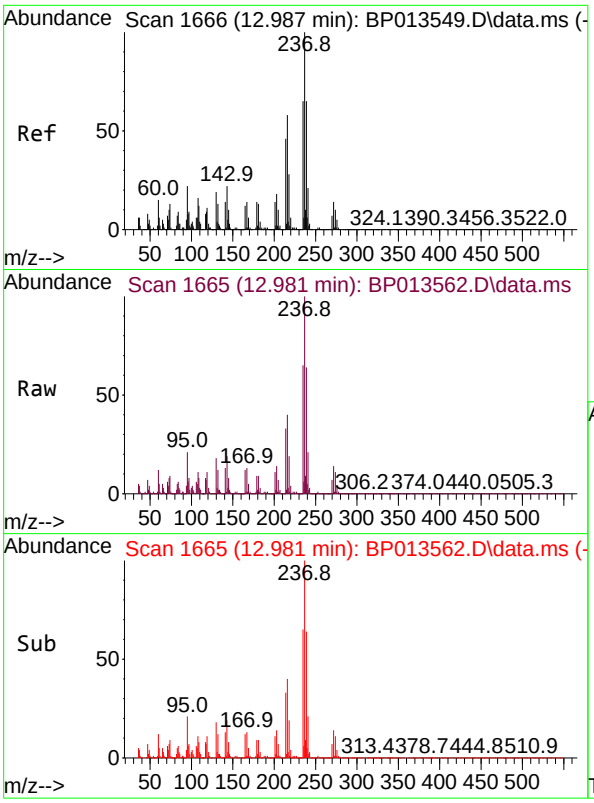


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.444 ng
RT: 12.999 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:216 Resp: 950151

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.9	94.3
179	20.7	16.6	24.8
108	18.5	15.3	22.9





#41
Hexachlorocyclopentadiene
Concen: 40.899 ng
RT: 12.981 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

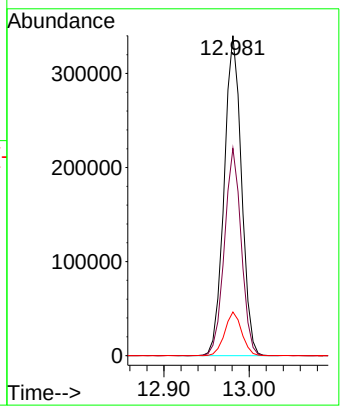
Tgt Ion:237 Resp: 47969

Ion	Ratio	Lower	Upper
237	100		
235	64.8	44.6	84.6
272	13.6	0.0	33.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

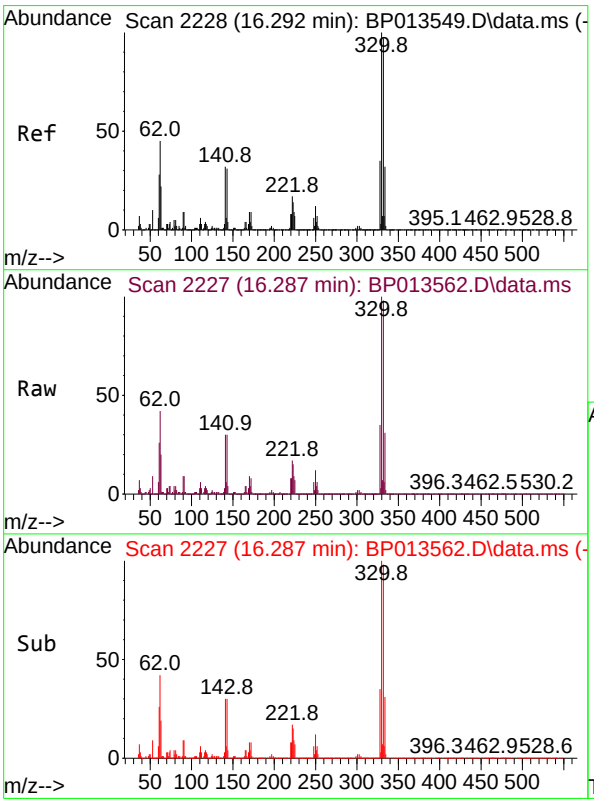
Manual Integrations APPROVED

Reviewed By :Christian Giraldo



01/25/2023
Supervised By :Jagrut Upadhyay

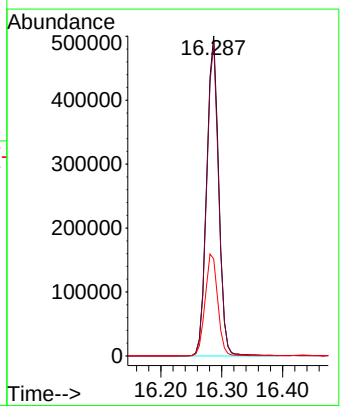
01/25/2023

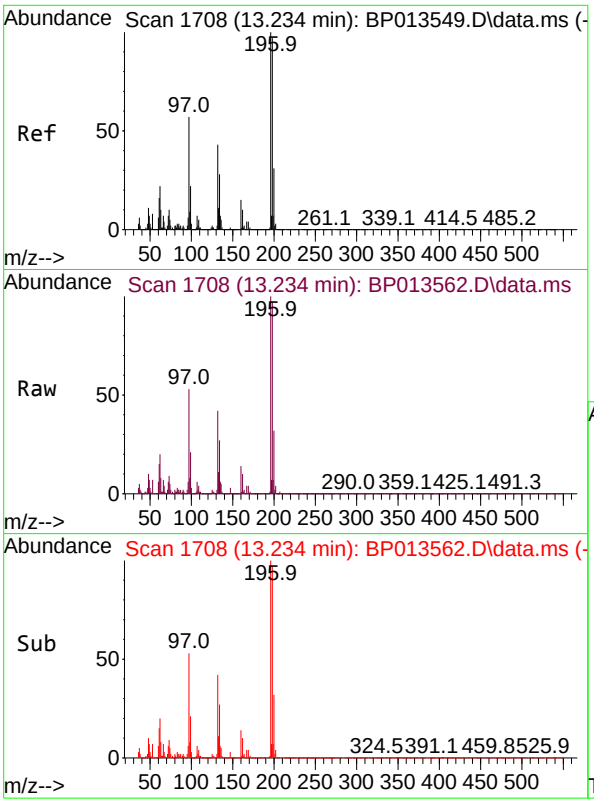


#42
2,4,6-Tribromophenol
Concen: 89.861 ng
RT: 16.287 min Scan# 2227
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:330 Resp: 687790

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.2
141	33.4	27.6	41.4

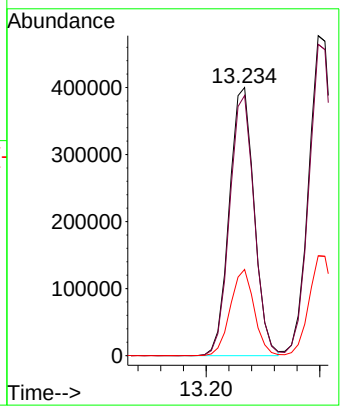




#43
2,4,6-Trichlorophenol
Concen: 44.162 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:196 Resp: 60720

Ion	Ratio	Lower	Upper
196	100		
198	97.1	77.3	115.9
200	32.1	24.6	36.8



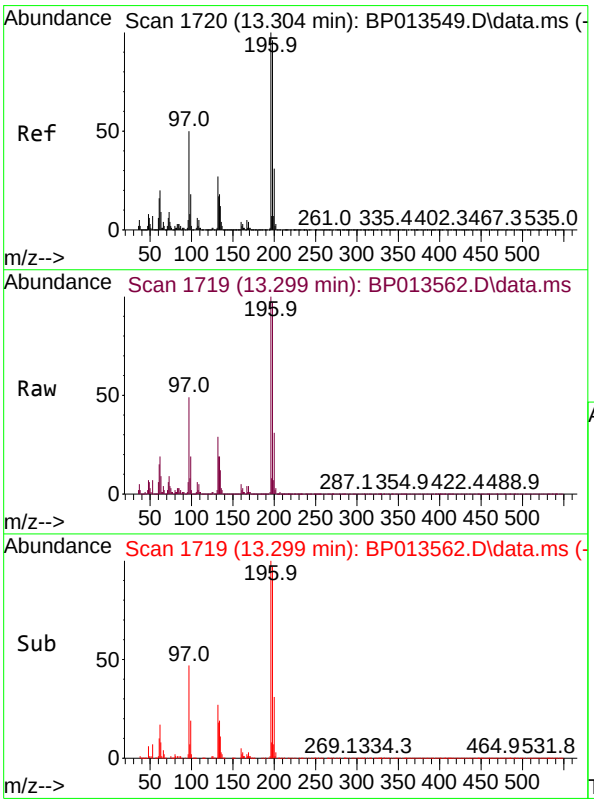
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

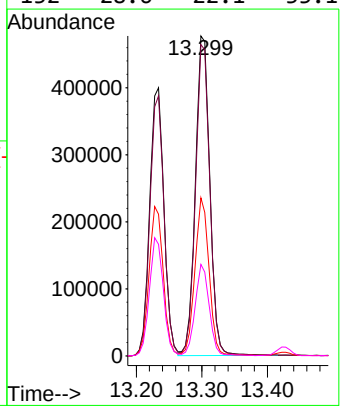
01/25/2023

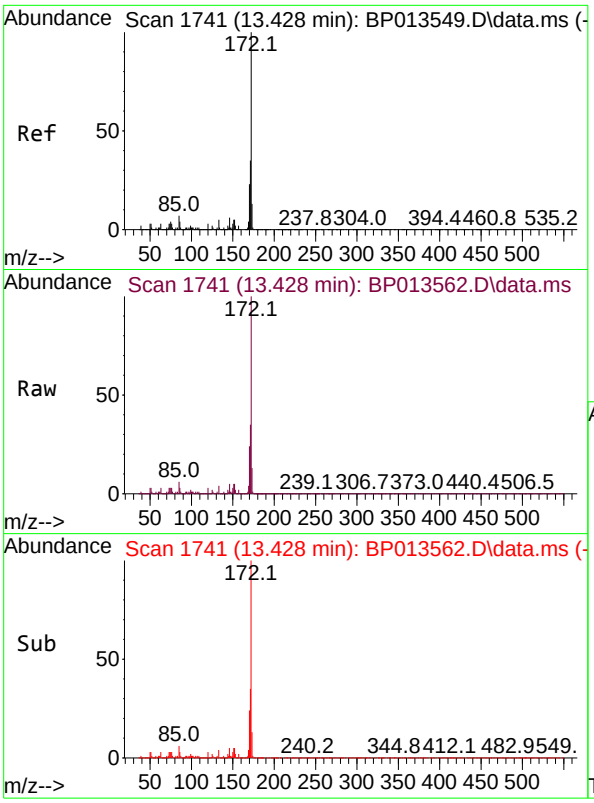


#44
2,4,5-Trichlorophenol
Concen: 44.957 ng
RT: 13.299 min Scan# 1719
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:196 Resp: 730440

Ion	Ratio	Lower	Upper
196	100		
198	97.3	76.7	115.1
97	49.4	40.0	60.0
132	28.6	22.1	33.1





#45
2-Fluorobiphenyl
Concen: 80.177 ng
RT: 13.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

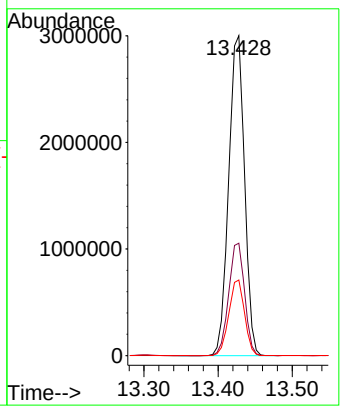
Tgt Ion:172 Resp: 445711

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.8
170	23.6	18.6	27.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

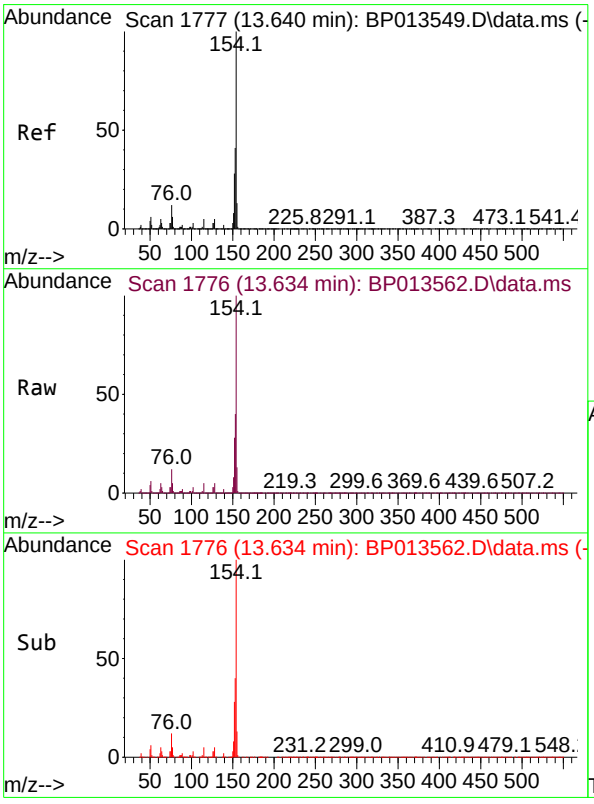
Manual Integrations APPROVED

Reviewed By :Christian Giraldo



01/25/2023
Supervised By :Jagrut Upadhyay

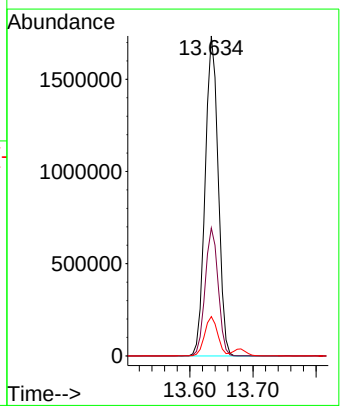
01/25/2023

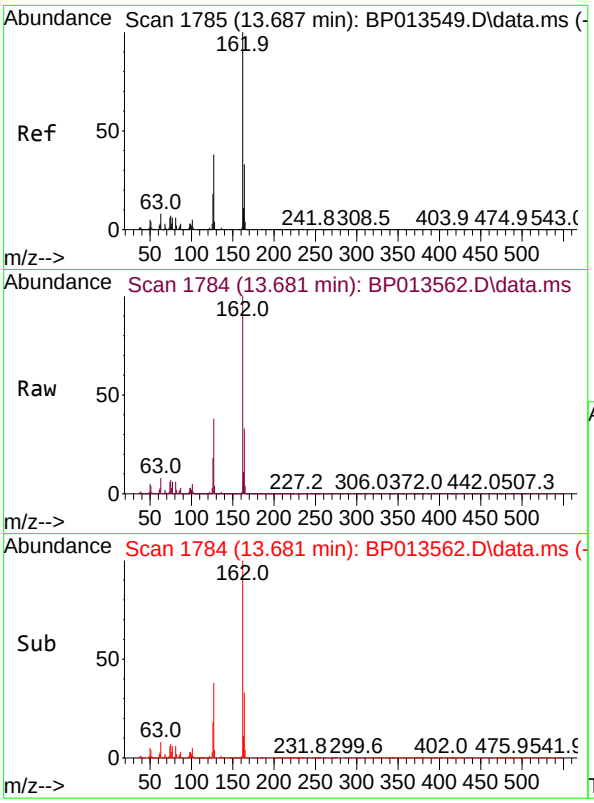


#46
1,1'-Biphenyl
Concen: 40.378 ng
RT: 13.634 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:154 Resp: 2474476

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.5	60.5
76	12.3	0.0	32.1

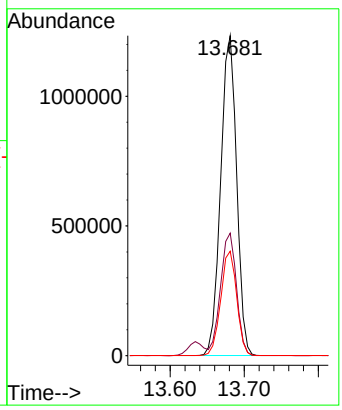




#47
2-Chloronaphthalene
Concen: 40.160 ng
RT: 13.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:162 Resp: 184381

Ion	Ratio	Lower	Upper
162	100		
127	38.3	30.8	46.2
164	32.6	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

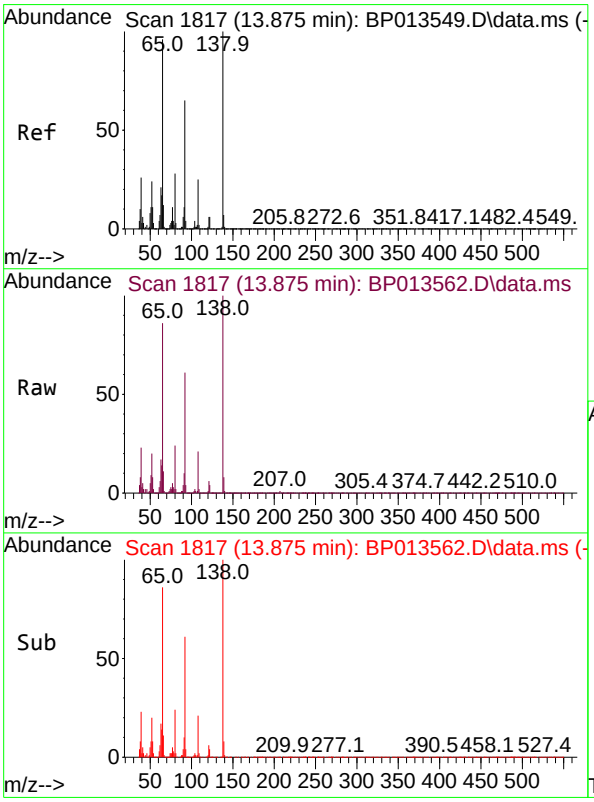
Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023

Supervised By :Jagrut Upadhyay

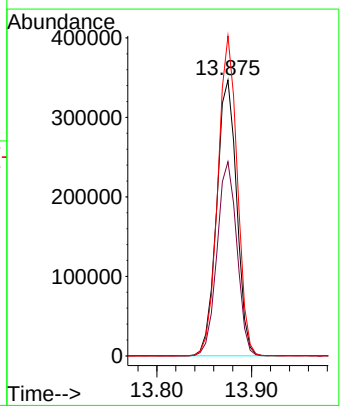
01/25/2023

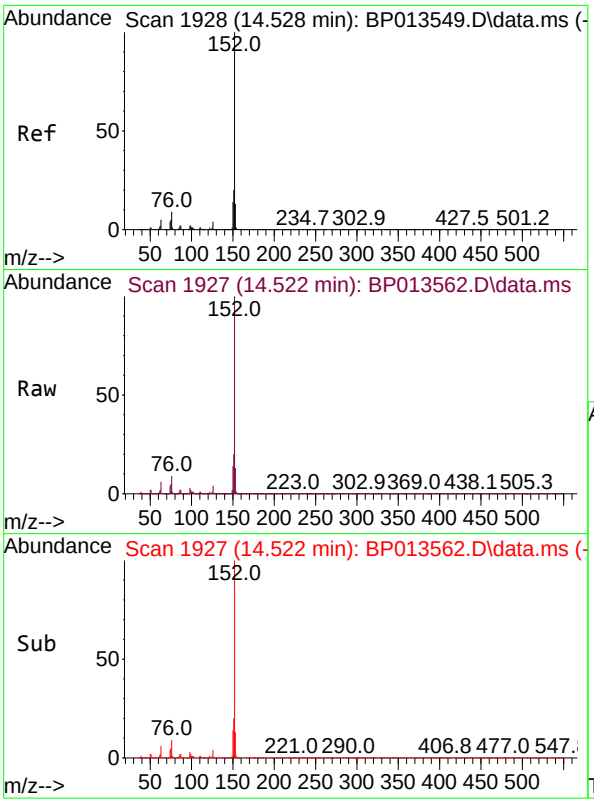


#48
2-Nitroaniline
Concen: 44.804 ng
RT: 13.875 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 65 Resp: 508934

Ion	Ratio	Lower	Upper
65	100		
92	70.4	54.1	81.1
138	116.0	83.6	125.4

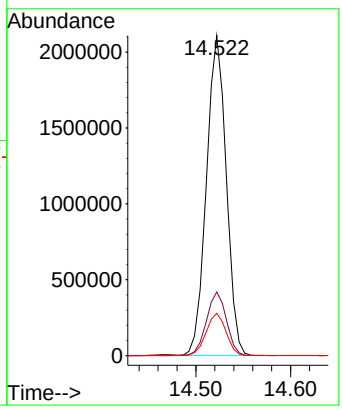




#49
Acenaphthylene
Concen: 40.880 ng
RT: 14.522 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:152 Resp: 306940

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.1	24.1
153	13.2	10.1	15.1



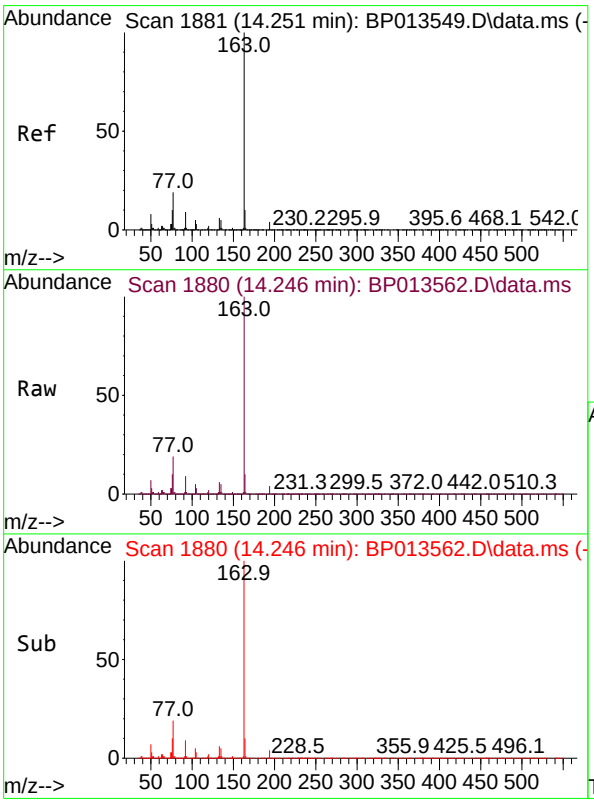
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

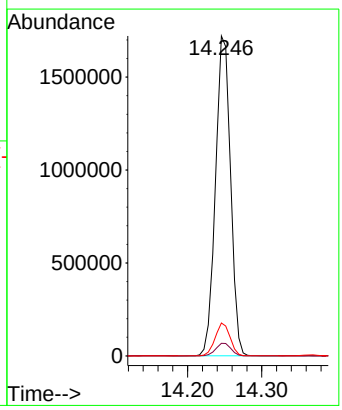
01/25/2023

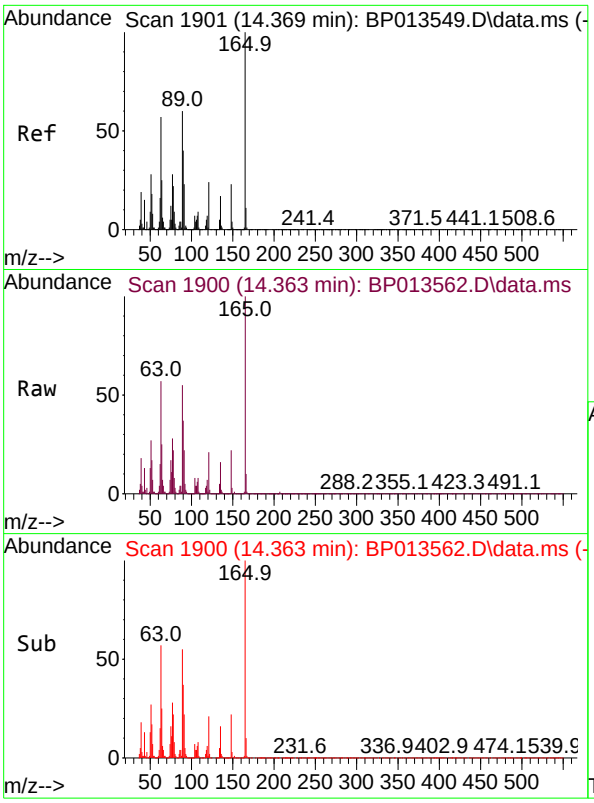


#50
Dimethylphthalate
Concen: 42.802 ng
RT: 14.246 min Scan# 1880
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:163 Resp: 2427864

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.3	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 44.974 ng
RT: 14.363 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:165 Resp: 494414

Ion	Ratio	Lower	Upper
165	100		
63	56.6	47.2	70.8
89	55.4	47.8	71.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

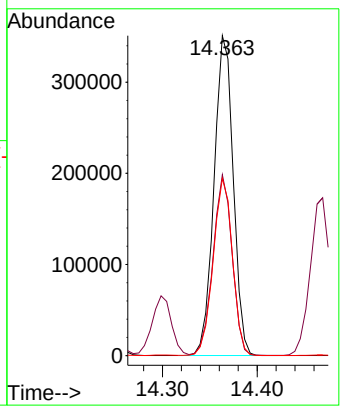
Manual Integrations APPROVED

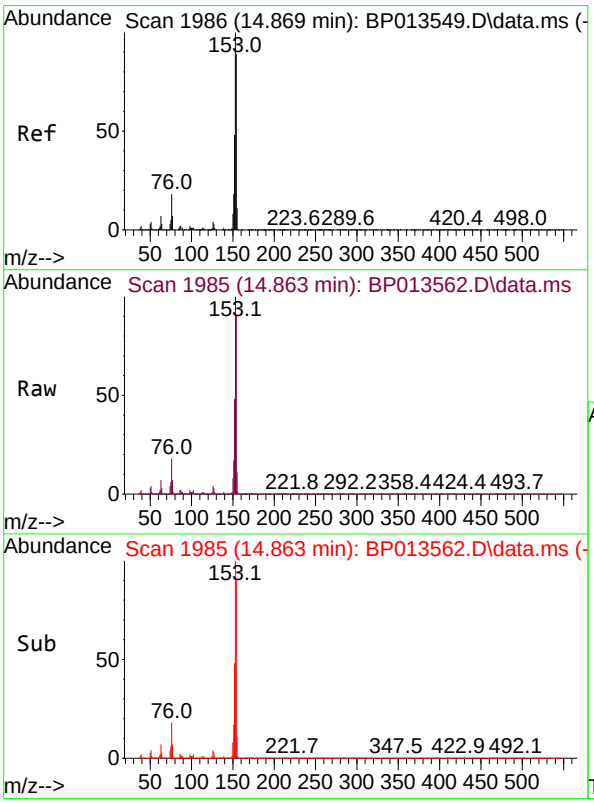
Reviewed By :Christian Giraldo

01/25/2023

Supervised By :Jagrut Upadhyay

01/25/2023

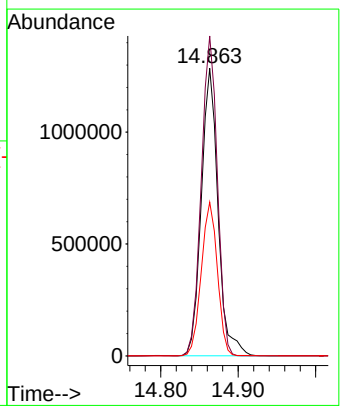


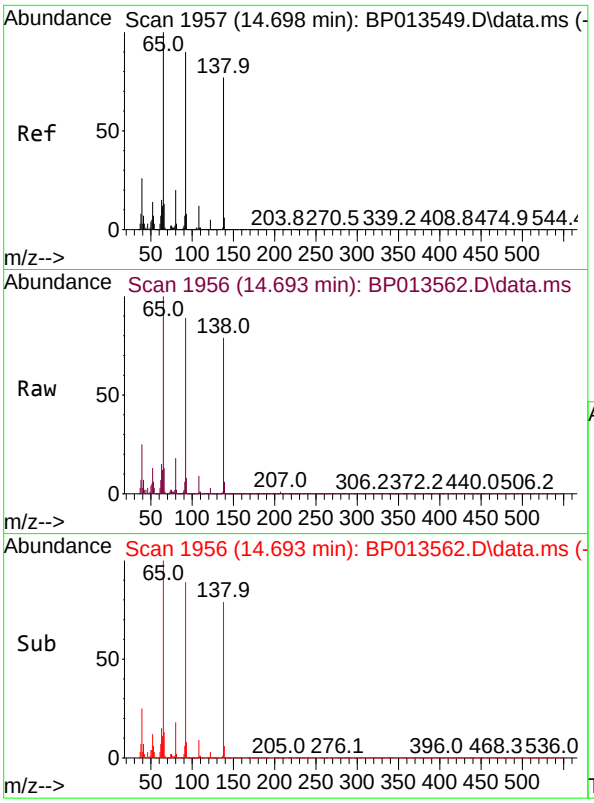


#52
Acenaphthene
Concen: 41.586 ng
RT: 14.863 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:154 Resp: 1928759

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.4	134.0
152	53.5	42.7	64.1





#53
3-Nitroaniline
Concen: 44.406 ng
RT: 14.693 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:138 Resp: 55727

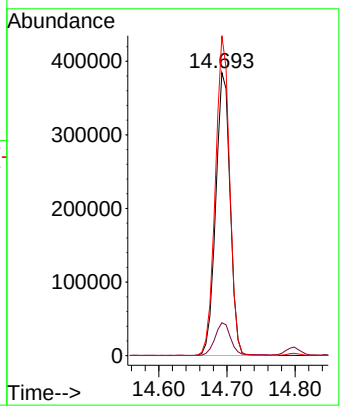
Ion	Ratio	Lower	Upper
138	100		
108	11.6	12.8	19.2#
92	113.1	93.3	139.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

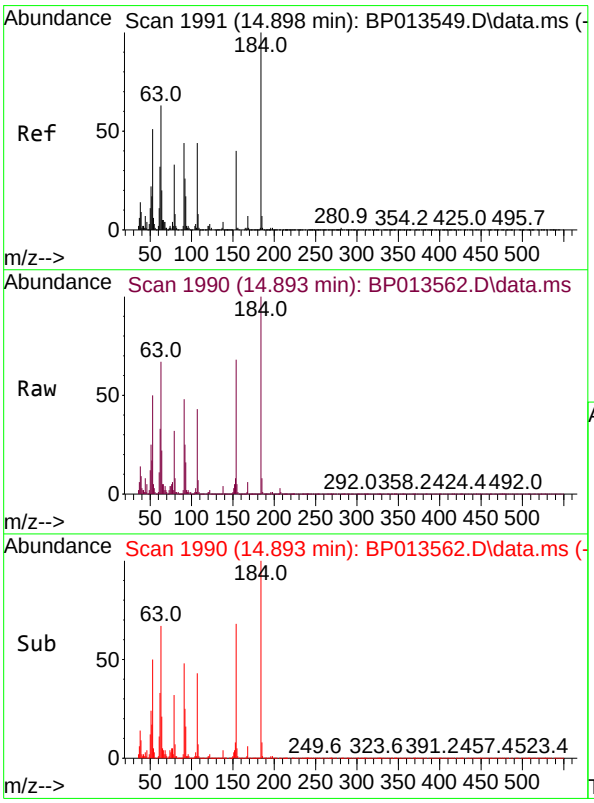
Reviewed By :Christian Giraldo

01/25/2023



Supervised By :Jagrut Upadhyay

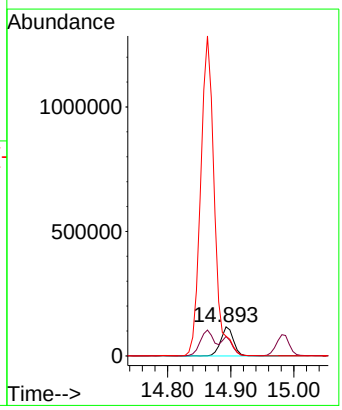
01/25/2023

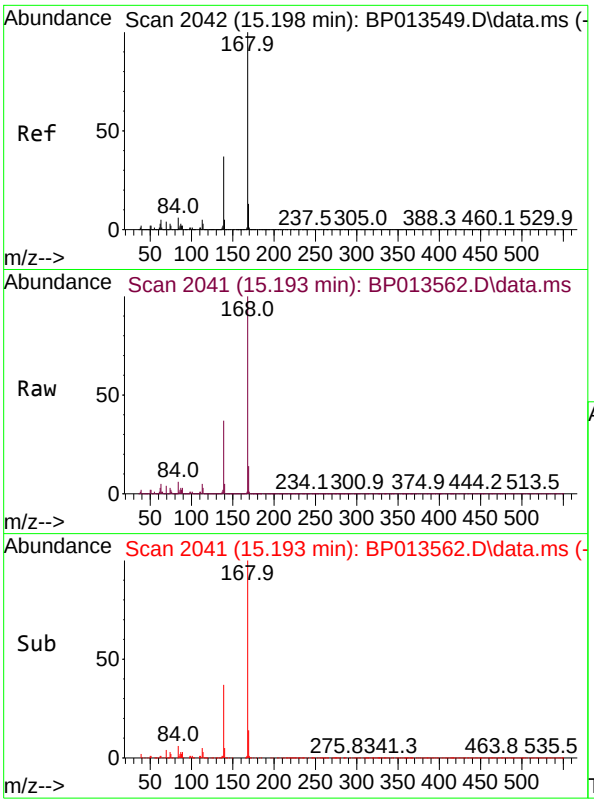


#54
2,4-Dinitrophenol
Concen: 52.878 ng
RT: 14.893 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:184 Resp: 161312

Ion	Ratio	Lower	Upper
184	100		
63	67.0	53.2	79.8
154	67.9	54.4	81.6

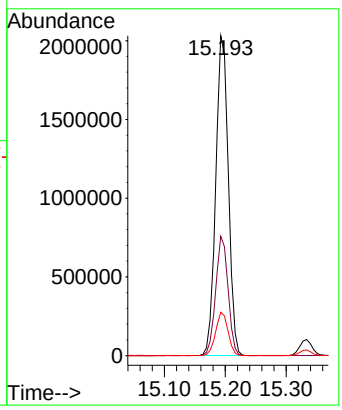




#55
Dibenzofuran
Concen: 41.001 ng
RT: 15.193 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:168 Resp: 291599

Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.9	44.9
169	13.6	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

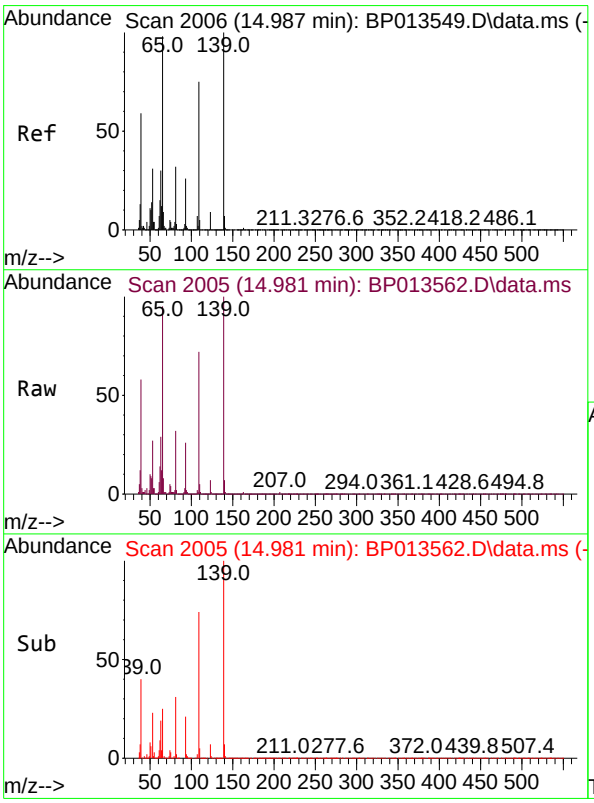
Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023

Supervised By :Jagrut Upadhyay

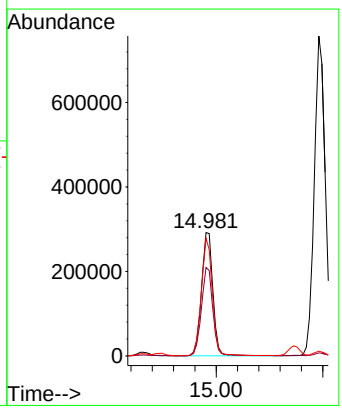
01/25/2023

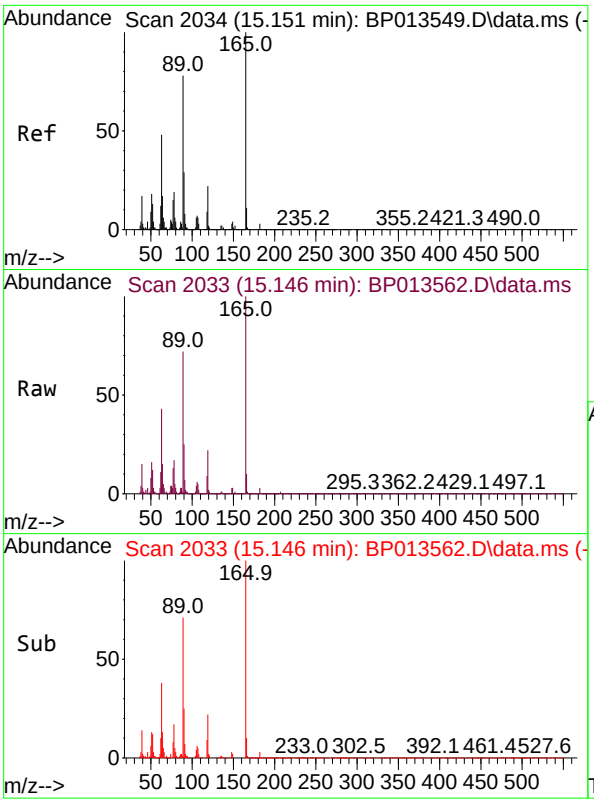


#56
4-Nitrophenol
Concen: 47.158 ng
RT: 14.981 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:139 Resp: 431191

Ion	Ratio	Lower	Upper
139	100		
109	71.7	55.0	95.0
65	95.4	77.7	117.7

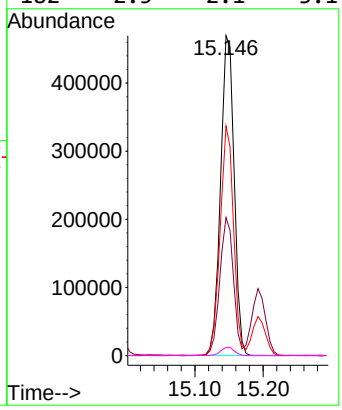




#57
2,4-Dinitrotoluene
Concen: 48.979 ng
RT: 15.146 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:165 Resp: 64552

Ion	Ratio	Lower	Upper
165	100		
63	43.1	38.3	57.5
89	71.7	62.1	93.1
182	2.5	2.1	3.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

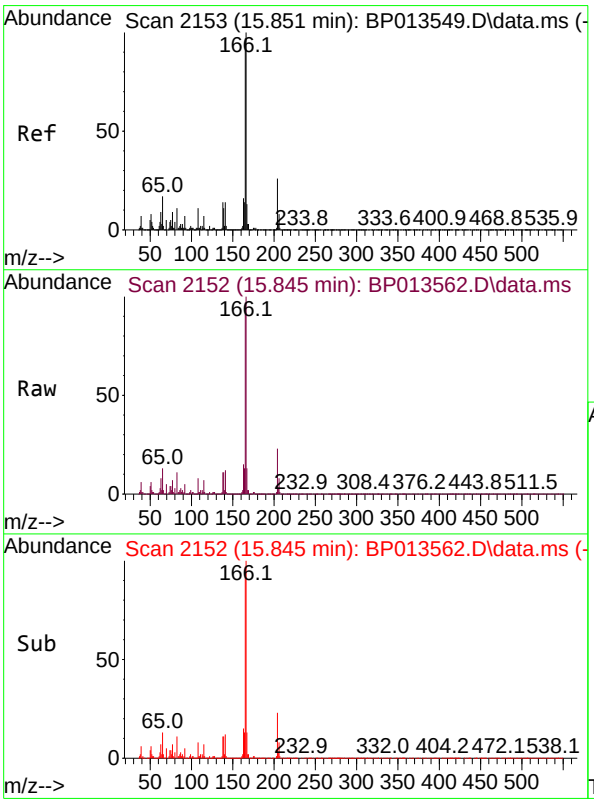
Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023

Supervised By :Jagrut Upadhyay

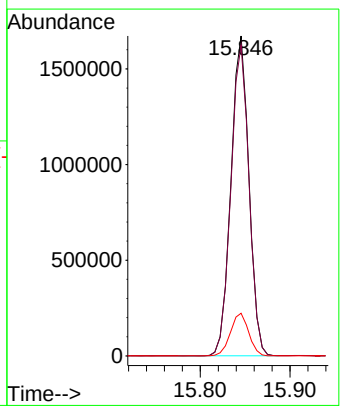
01/25/2023

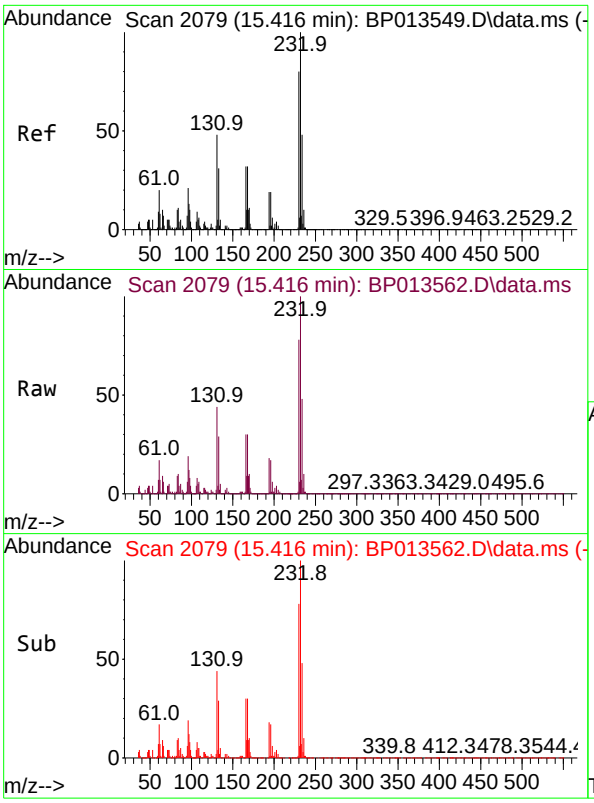


#58
Fluorene
Concen: 41.400 ng
RT: 15.845 min Scan# 2152
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:166 Resp: 2340217

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.8	116.8
167	13.3	10.7	16.1

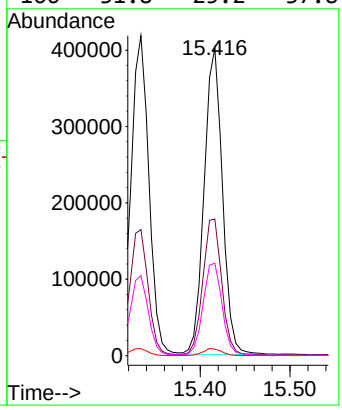




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.875 ng
RT: 15.416 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:232 Resp: 57231

Ion	Ratio	Lower	Upper
232	100		
131	46.1	37.1	55.7
130	2.4	1.9	2.9
166	31.8	25.2	37.8



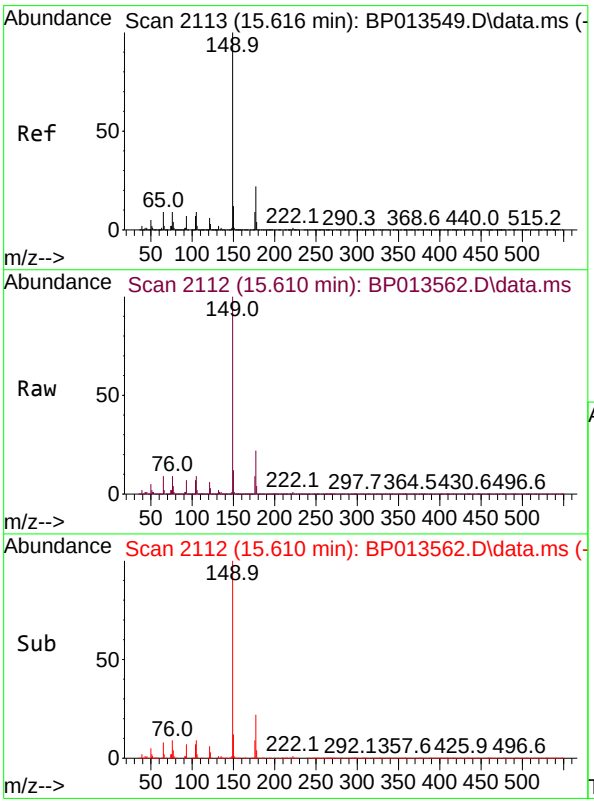
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

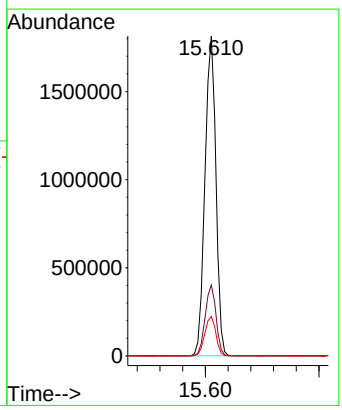
01/25/2023

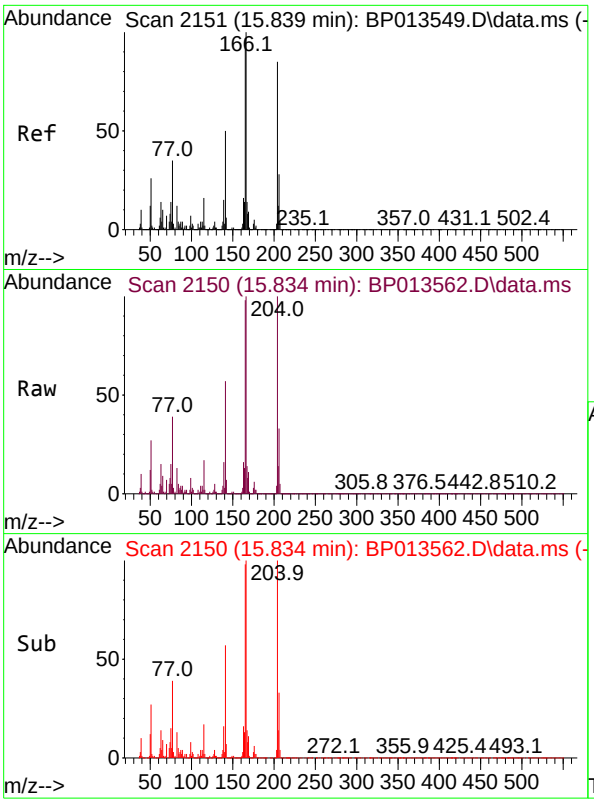


#60
Diethylphthalate
Concen: 43.807 ng
RT: 15.610 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:149 Resp: 2426932

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.6
150	12.3	9.8	14.6





#61
4-Chlorophenyl-phenylether
Concen: 41.688 ng
RT: 15.834 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:204 Resp: 115872

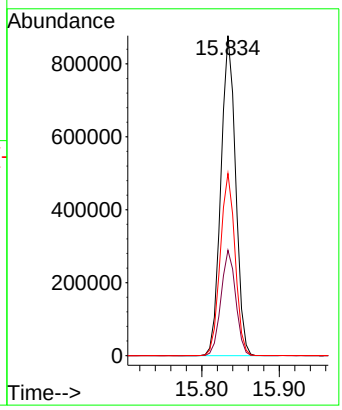
Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.6	39.8
141	56.9	47.0	70.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

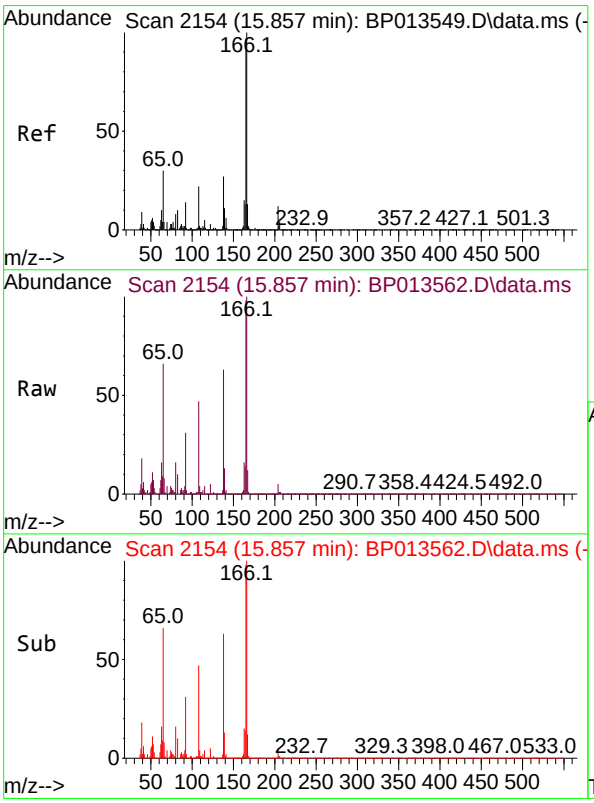
Reviewed By :Christian Giraldo

01/25/2023



Supervised By :Jagrut Upadhyay

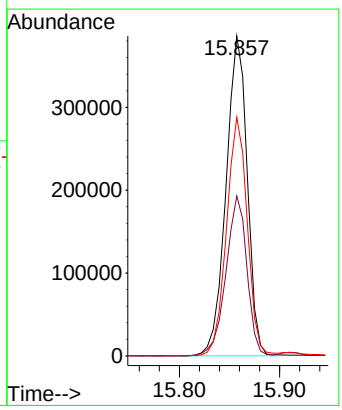
01/25/2023

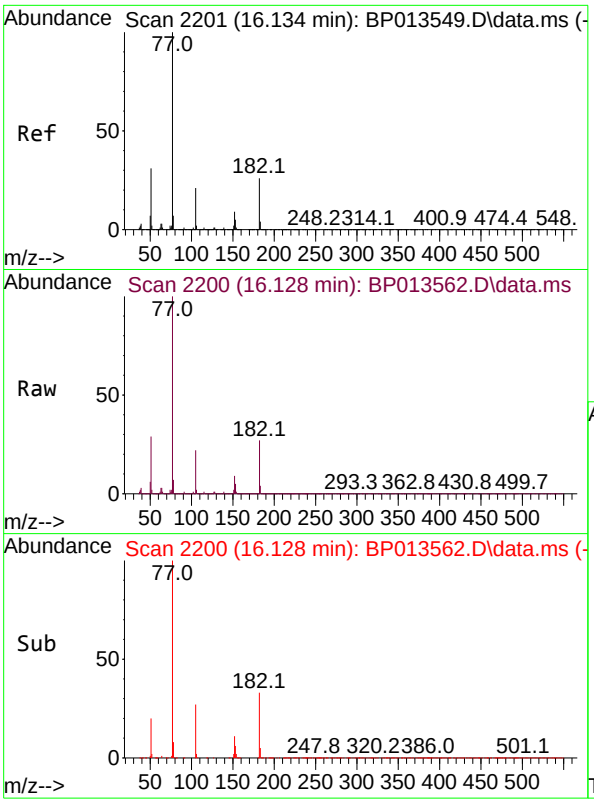


#62
4-Nitroaniline
Concen: 46.953 ng
RT: 15.857 min Scan# 2154
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:138 Resp: 568138

Ion	Ratio	Lower	Upper
138	100		
92	50.0	32.3	72.3
108	74.5	59.2	99.2

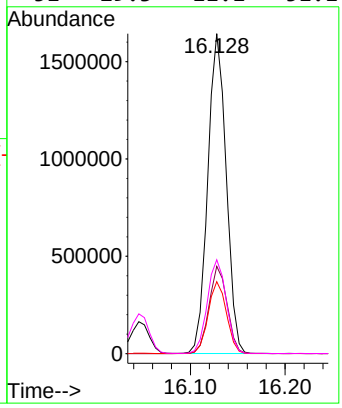




#63
Azobenzene
Concen: 41.224 ng
RT: 16.128 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion: 77 Resp: 221923

Ion	Ratio	Lower	Upper
77	100		
182	27.3	5.5	45.5
105	22.5	1.4	41.4
51	29.3	11.1	51.1



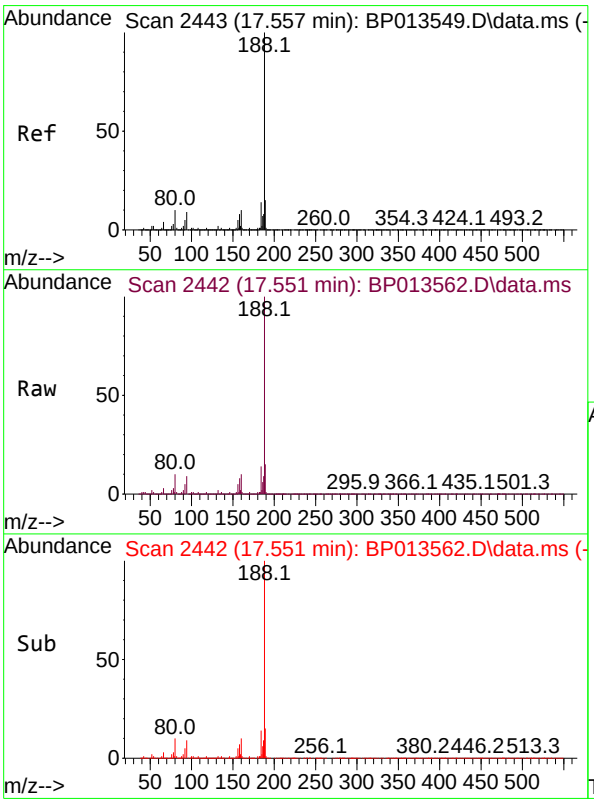
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

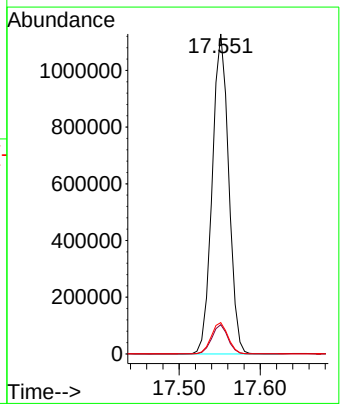
01/25/2023

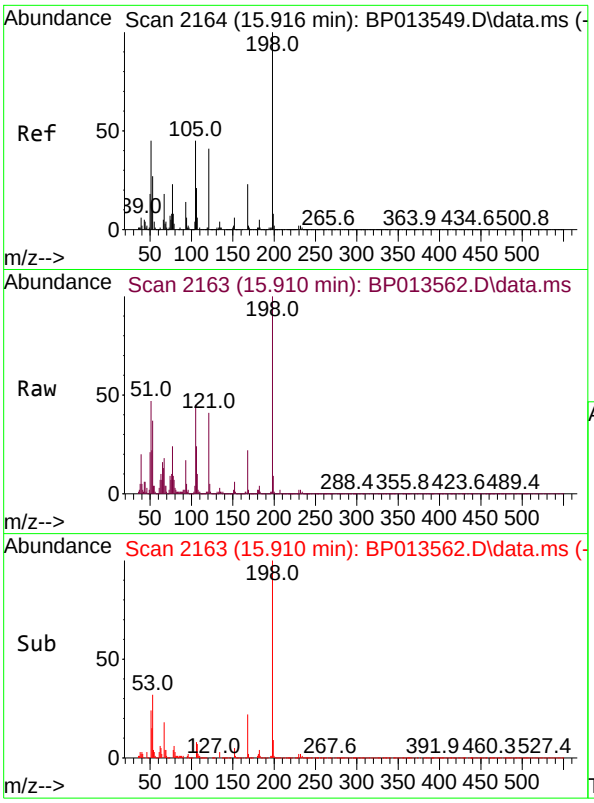


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.551 min Scan# 2442
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:188 Resp: 1590584

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	9.8	8.2	12.2

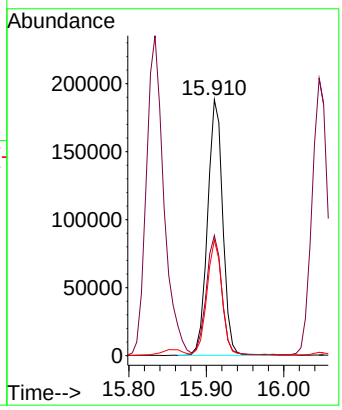




#65
4,6-Dinitro-2-methylphenol
Concen: 50.163 ng
RT: 15.910 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:198 Resp: 254999

Ion	Ratio	Lower	Upper
198	100		
51	46.9	30.4	70.4
105	45.3	26.4	66.4



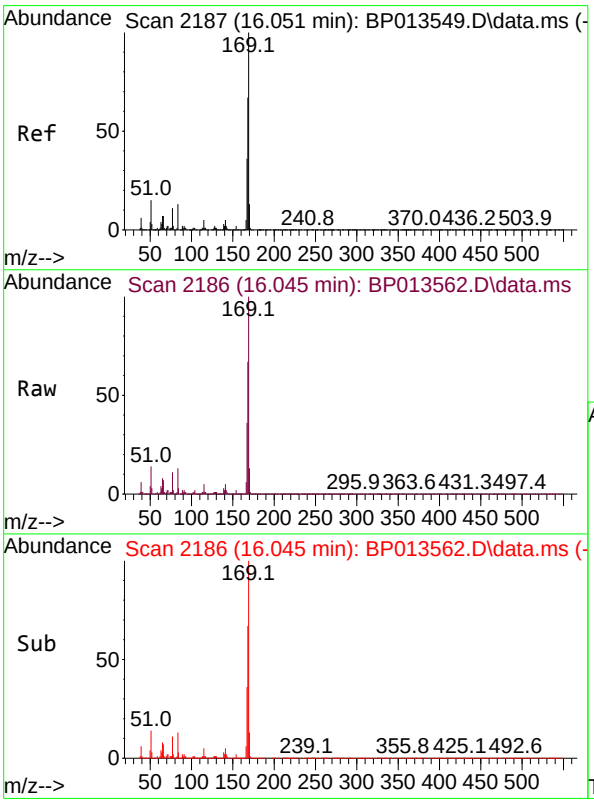
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

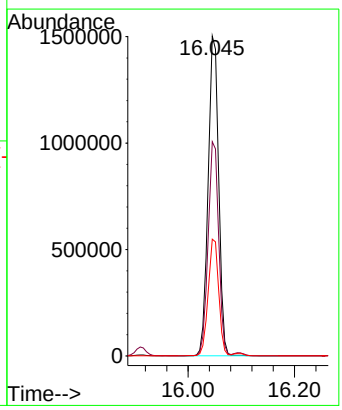
01/25/2023

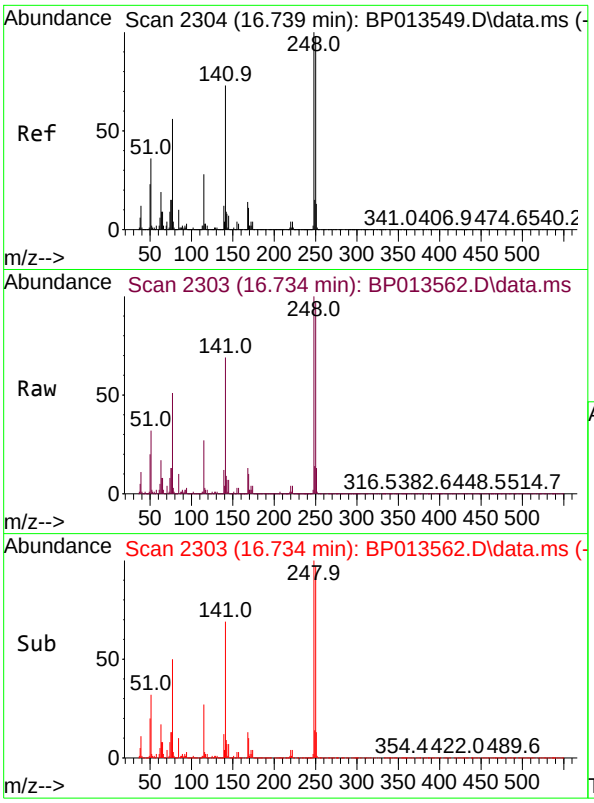


#66
n-Nitrosodiphenylamine
Concen: 39.850 ng
RT: 16.045 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:169 Resp: 2067029

Ion	Ratio	Lower	Upper
169	100		
168	67.0	54.0	81.0
167	36.5	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 37.315 ng
RT: 16.734 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:248 Resp: 65745

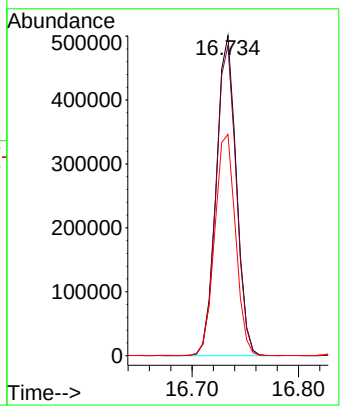
Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.1	117.1
141	69.1	58.1	87.1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

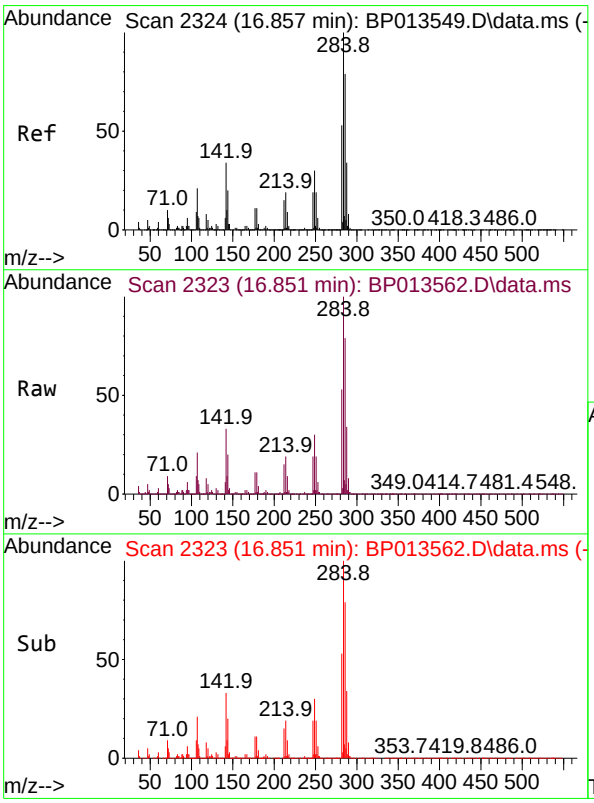
Reviewed By :Christian Giraldo

01/25/2023



Supervised By :Jagrut Upadhyay

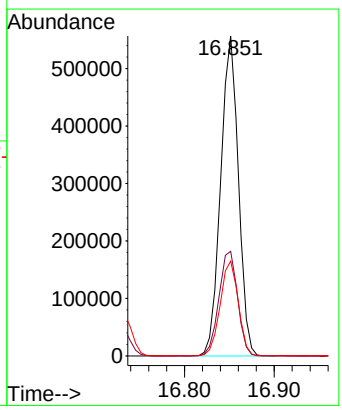
01/25/2023

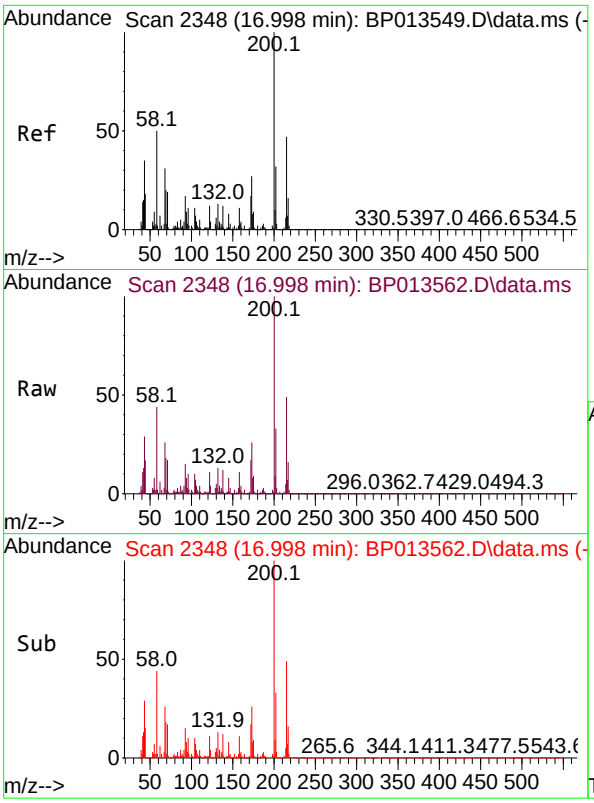


#68
Hexachlorobenzene
Concen: 40.302 ng
RT: 16.851 min Scan# 2323
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:284 Resp: 767004

Ion	Ratio	Lower	Upper
284	100		
142	32.7	27.3	40.9
249	29.6	24.0	36.0

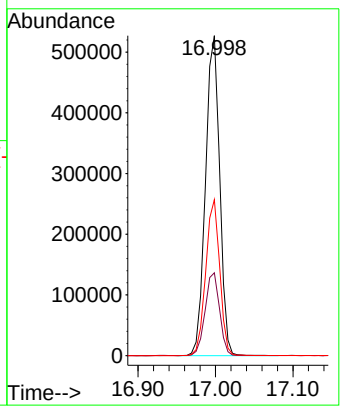




#69
Atrazine
Concen: 45.203 ng
RT: 16.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:200 Resp: 67087

Ion	Ratio	Lower	Upper
200	100		
173	25.9	7.2	47.2
215	48.7	27.3	67.3



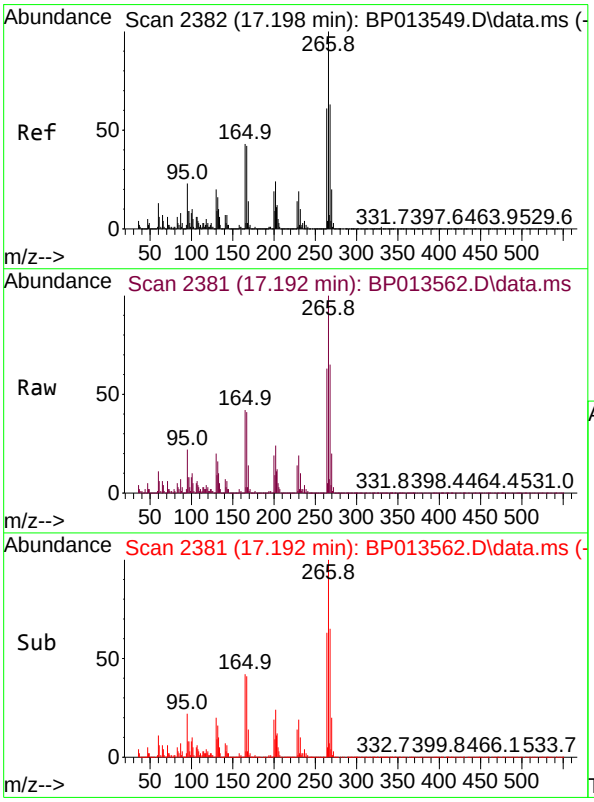
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

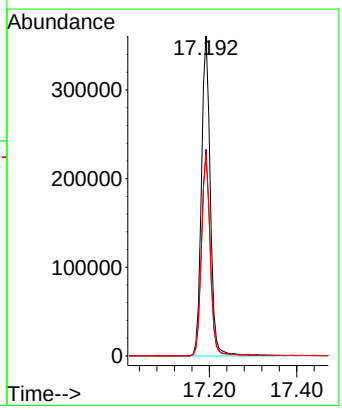
01/25/2023

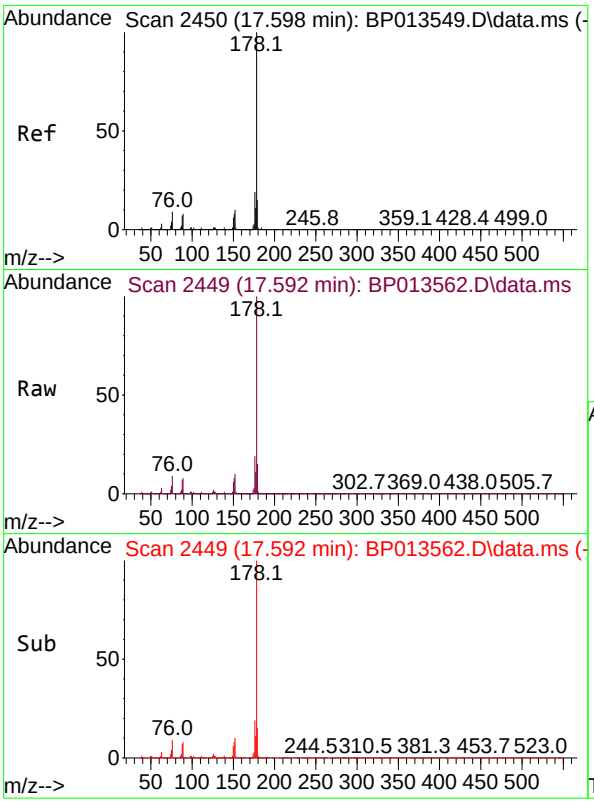


#70
Pentachlorophenol
Concen: 42.356 ng
RT: 17.192 min Scan# 2381
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:266 Resp: 503876

Ion	Ratio	Lower	Upper
266	100		
268	64.6	50.7	76.1
264	62.7	48.9	73.3

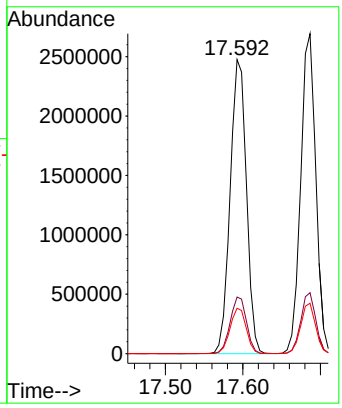




#71
Phenanthrene
Concen: 40.899 ng
RT: 17.592 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:178 Resp: 361947

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.4	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

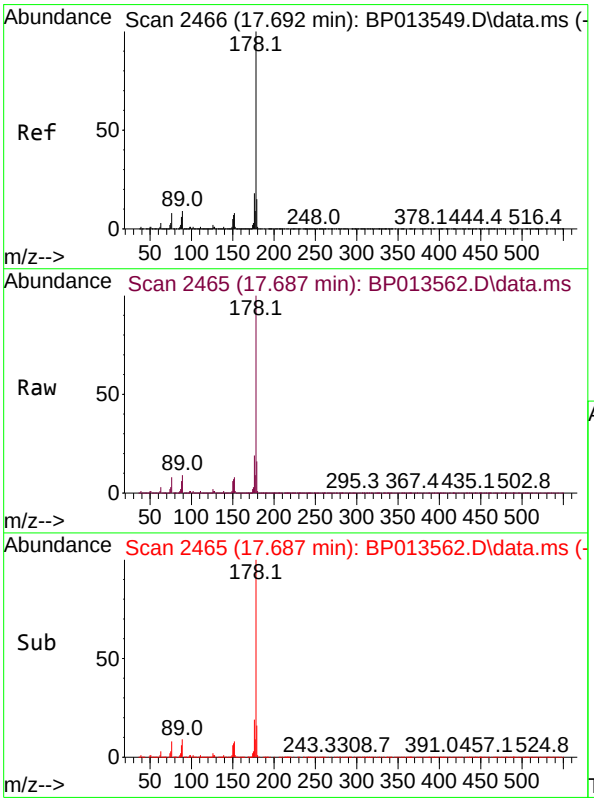
Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023

Supervised By :Jagrut Upadhyay

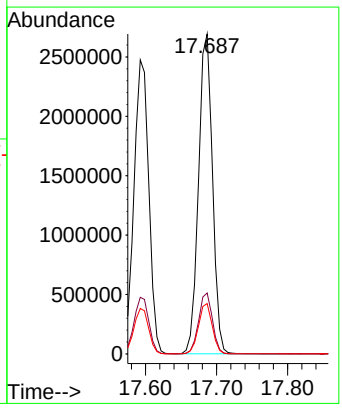
01/25/2023

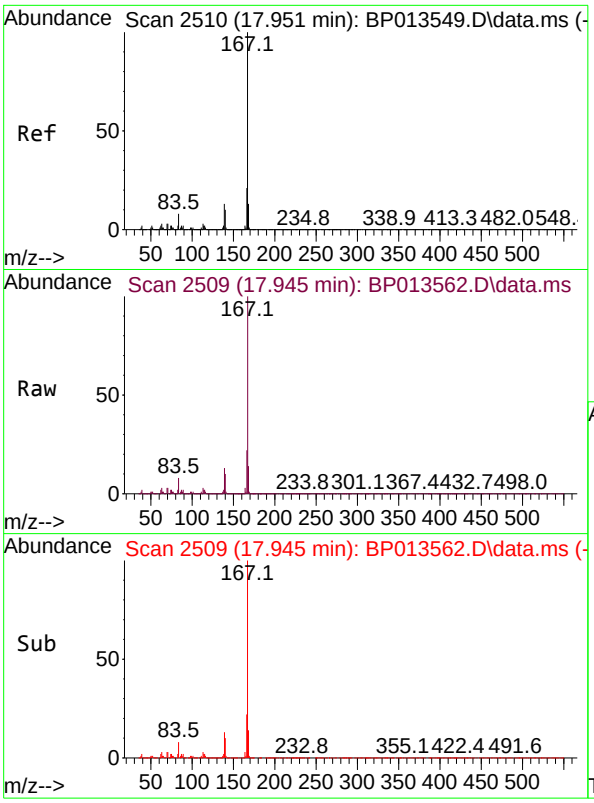


#72
Anthracene
Concen: 40.668 ng
RT: 17.687 min Scan# 2465
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:178 Resp: 3652834

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	22.0
179	15.7	12.3	18.5

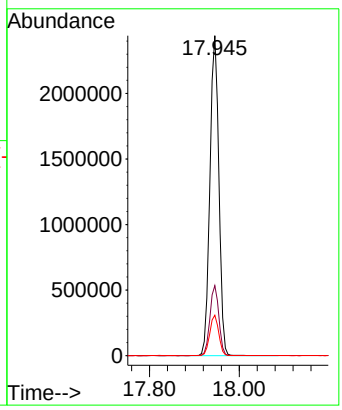




#73
Carbazole
Concen: 41.793 ng
RT: 17.945 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:167 Resp: 337353

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.2	25.8
139	12.6	10.3	15.5



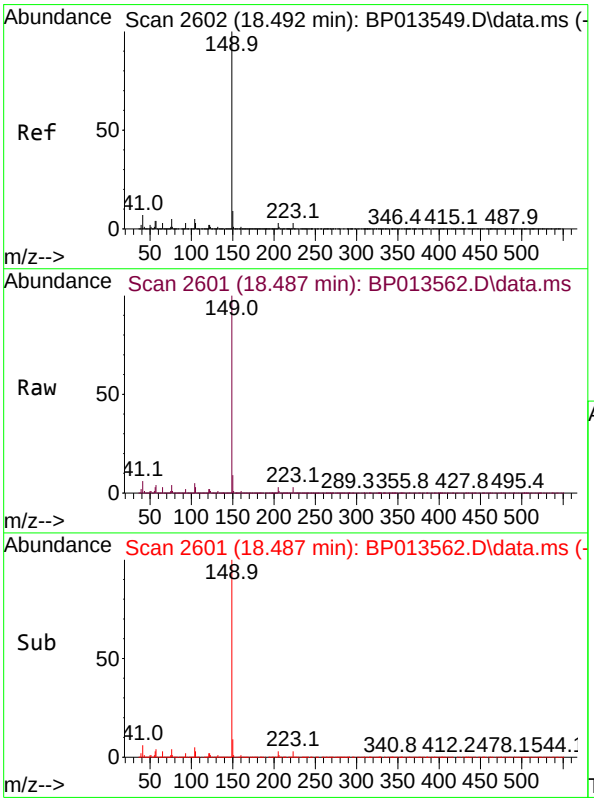
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

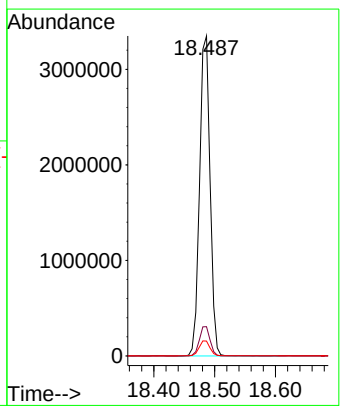
01/25/2023

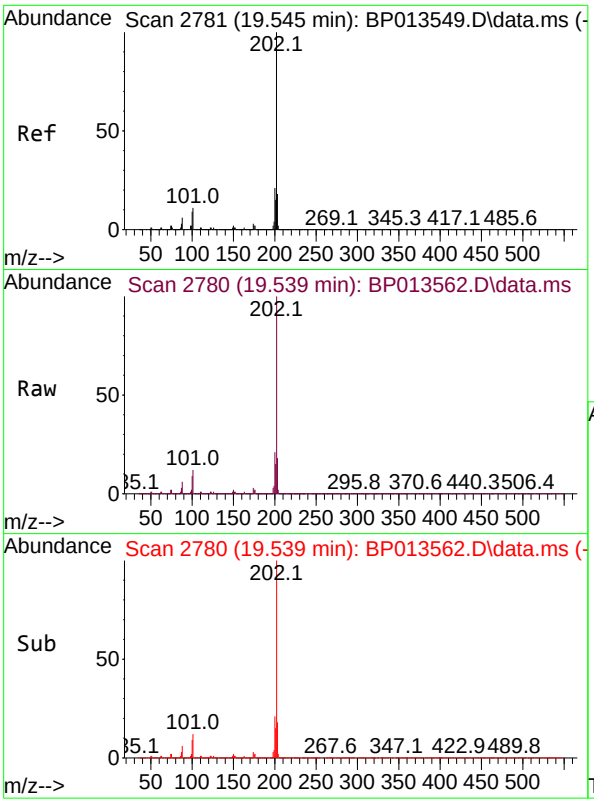


#74
Di-n-butylphthalate
Concen: 44.385 ng
RT: 18.487 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:149 Resp: 3987445

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.6	3.9	5.9





#75
Fluoranthene
Concen: 42.518 ng
RT: 19.539 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:202 Resp: 400137

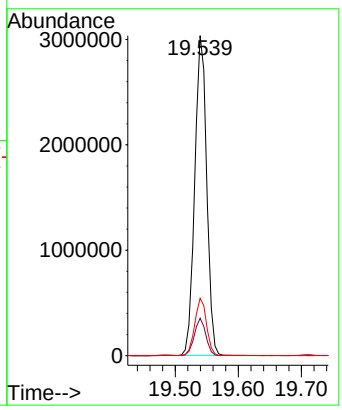
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.4
203	17.9	0.0	37.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

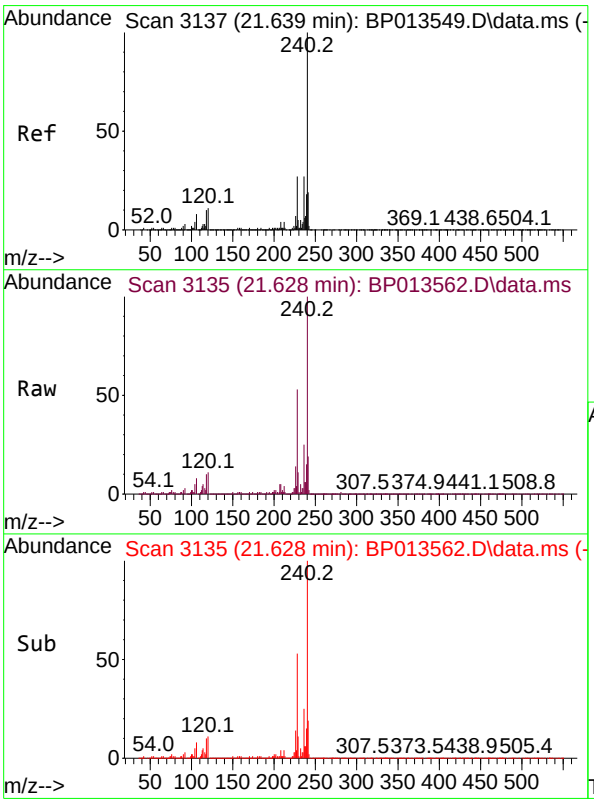
Reviewed By :Christian Giraldo

01/25/2023



Supervised By :Jagrut Upadhyay

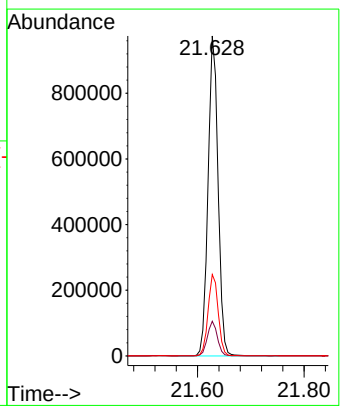
01/25/2023

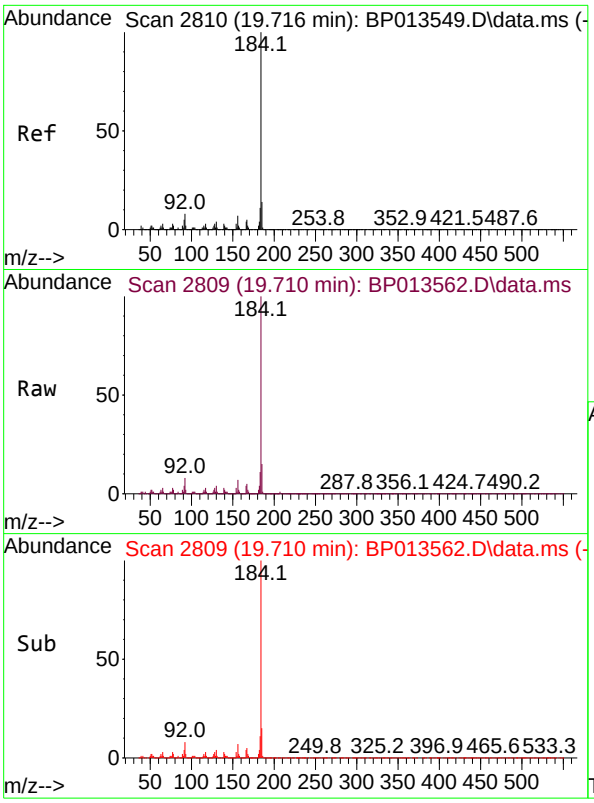


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.628 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:240 Resp: 1270422

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	25.4	21.3	31.9

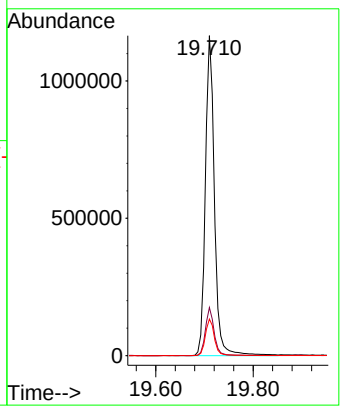




#77
Benzidine
Concen: 47.293 ng
RT: 19.710 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:184 Resp: 151109

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.5	17.3
183	11.4	9.0	13.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

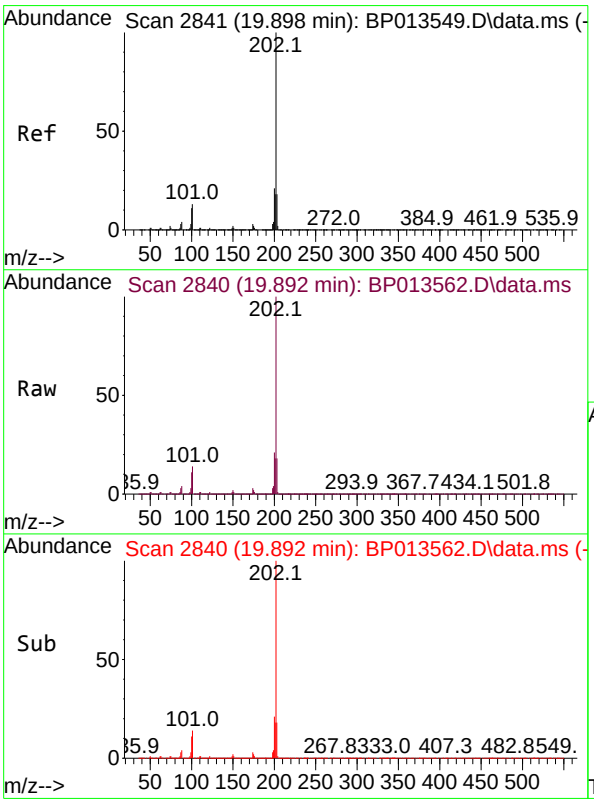
Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023

Supervised By :Jagrut Upadhyay

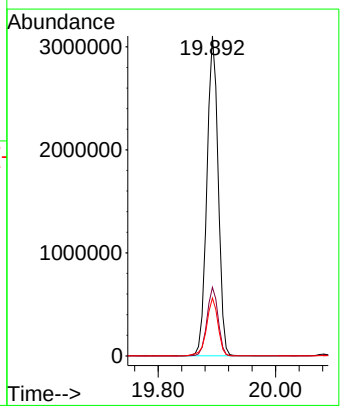
01/25/2023

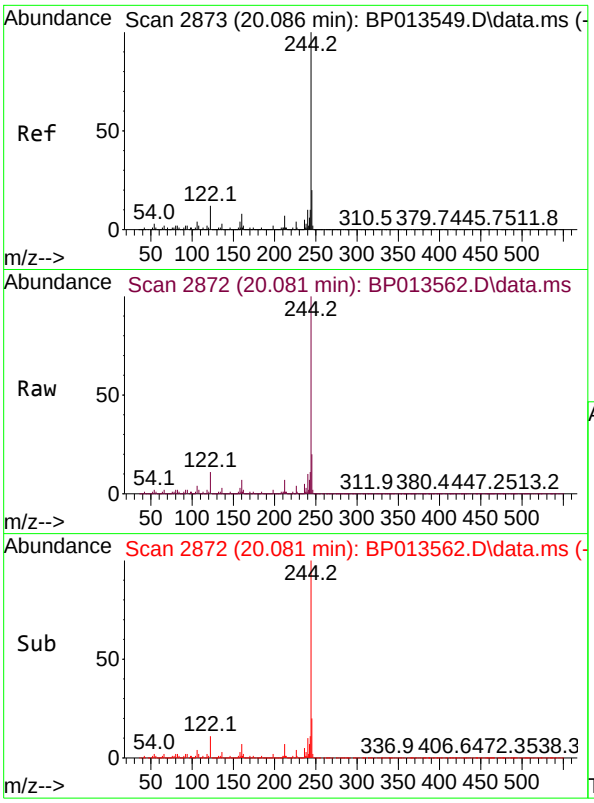


#78
Pyrene
Concen: 42.550 ng
RT: 19.892 min Scan# 2840
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:202 Resp: 4133339

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.6
203	18.1	14.2	21.2





#79
Terphenyl-d14
Concen: 86.712 ng
RT: 20.081 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:244 Resp: 612345

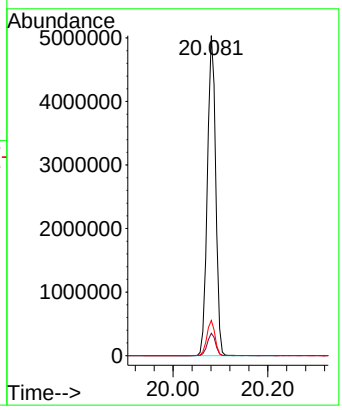
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.0	9.2	13.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

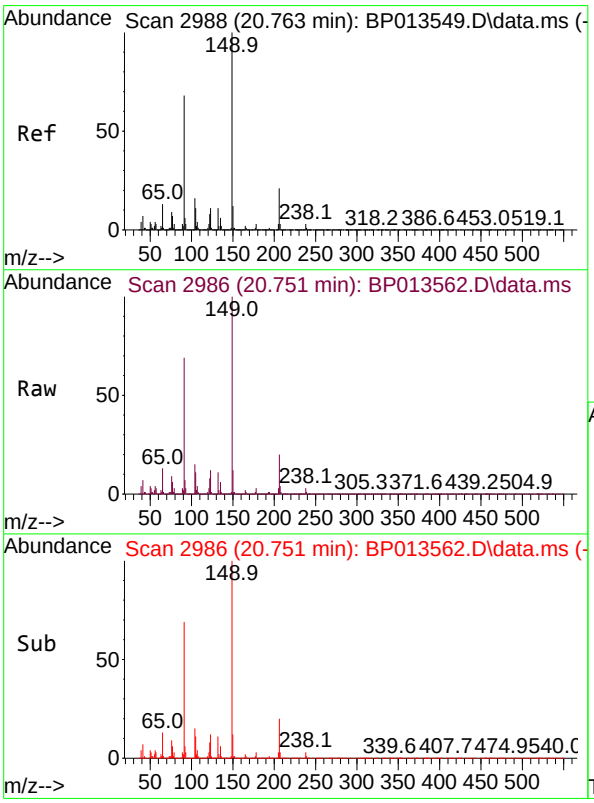
Reviewed By :Christian Giraldo

01/25/2023



Supervised By :Jagrut Upadhyay

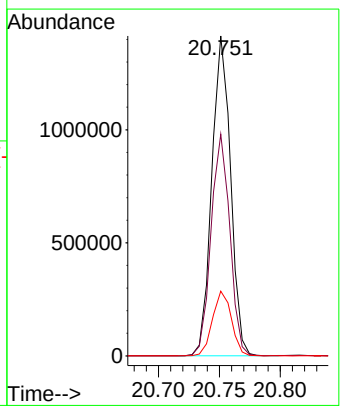
01/25/2023

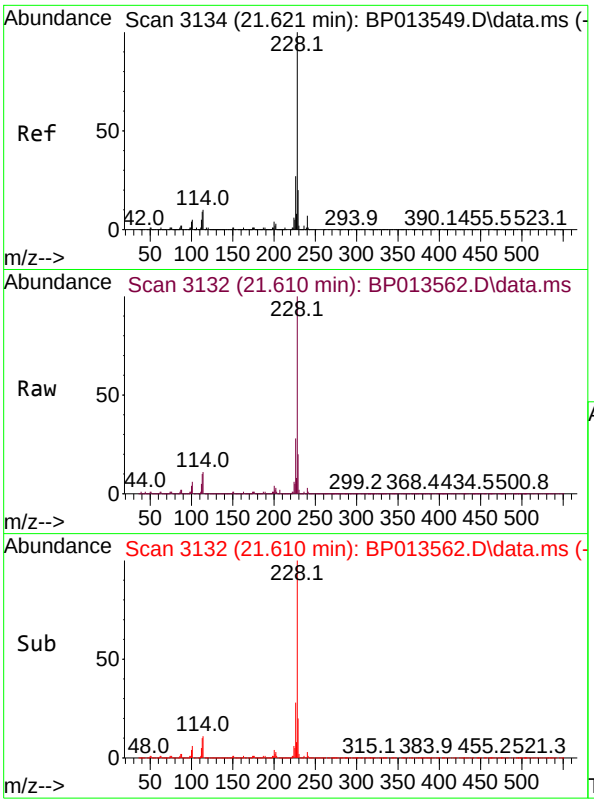


#80
Butylbenzylphthalate
Concen: 48.963 ng
RT: 20.751 min Scan# 2986
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:149 Resp: 1514362

Ion	Ratio	Lower	Upper
149	100		
91	69.3	54.6	81.8
206	20.2	16.7	25.1

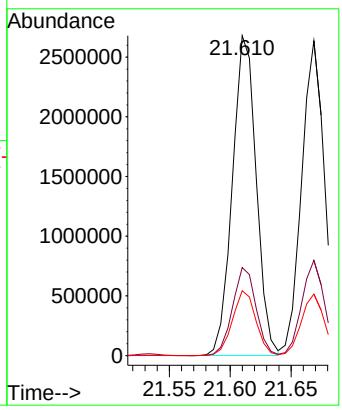




#81
Benzo(a)anthracene
Concen: 41.218 ng
RT: 21.610 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:228 Resp: 364800

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.8	32.8
229	20.3	15.8	23.6



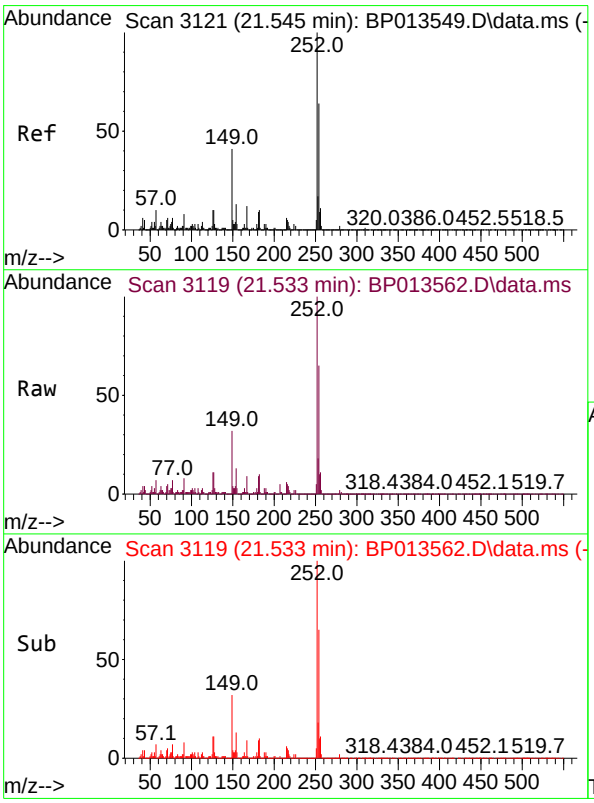
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

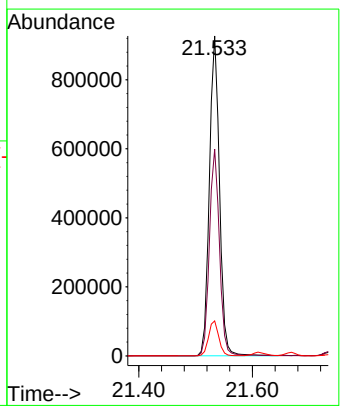
01/25/2023

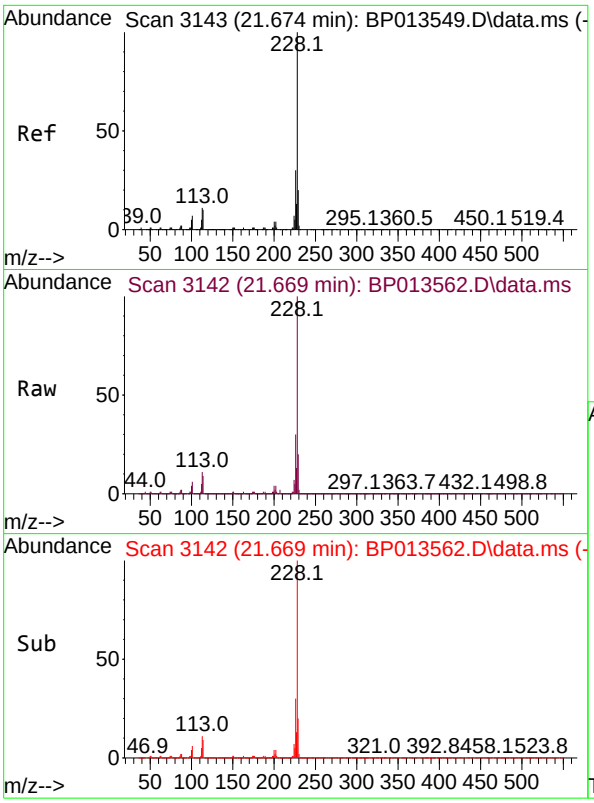


#82
3,3'-Dichlorobenzidine
Concen: 40.384 ng
RT: 21.533 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:252 Resp: 1151624

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.4	77.0
126	10.9	8.3	12.5





#83
Chrysene
Concen: 40.627 ng
RT: 21.669 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:228 Resp: 343911

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	19.6	16.2	24.2

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

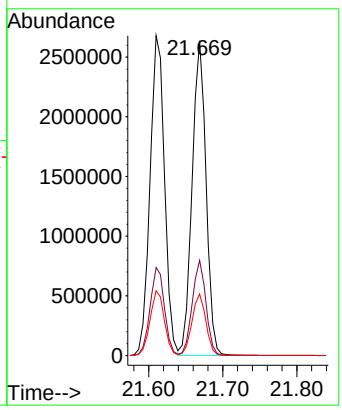
Manual Integrations APPROVED

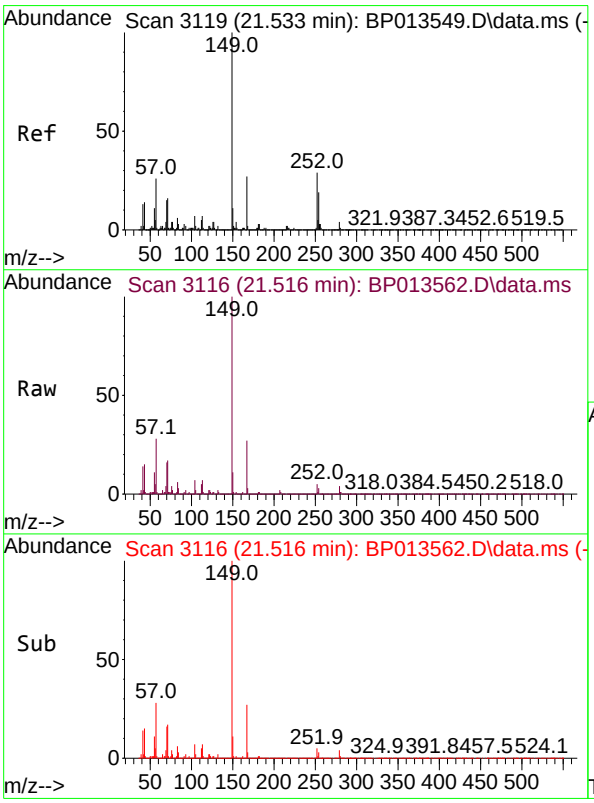
Reviewed By :Christian Giraldo

01/25/2023

Supervised By :Jagrut Upadhyay

01/25/2023

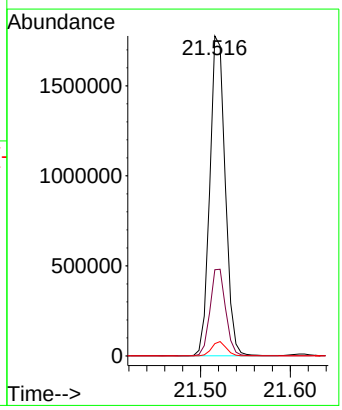


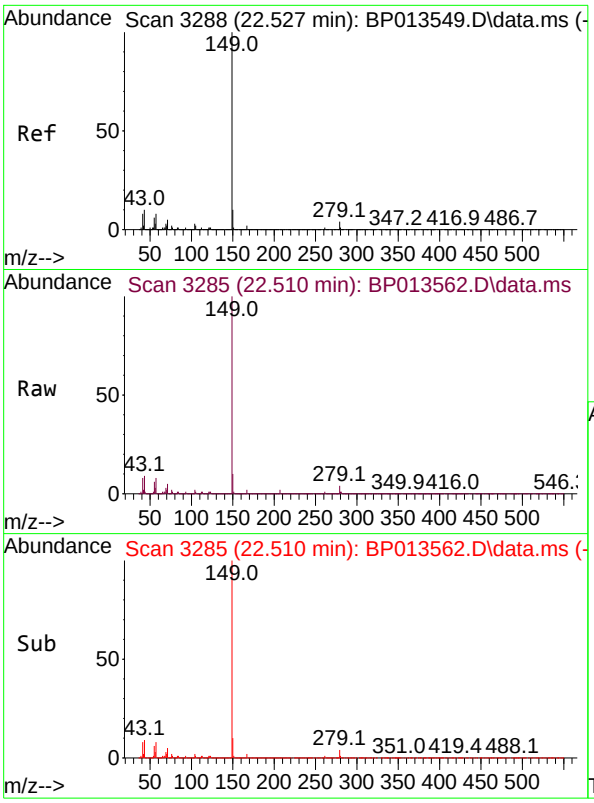


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.831 ng
RT: 21.516 min Scan# 3116
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:149 Resp: 2120050

Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.0	33.0
279	3.8	3.5	5.3





#85
Di-n-octyl phthalate
Concen: 39.295 ng
RT: 22.510 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:149 Resp: 313586

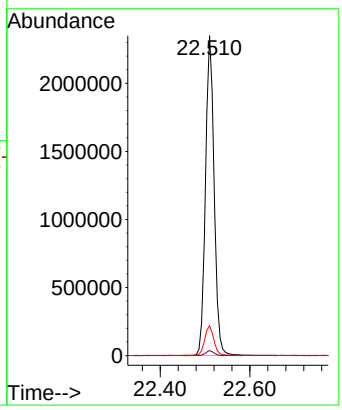
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.7	8.2	12.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

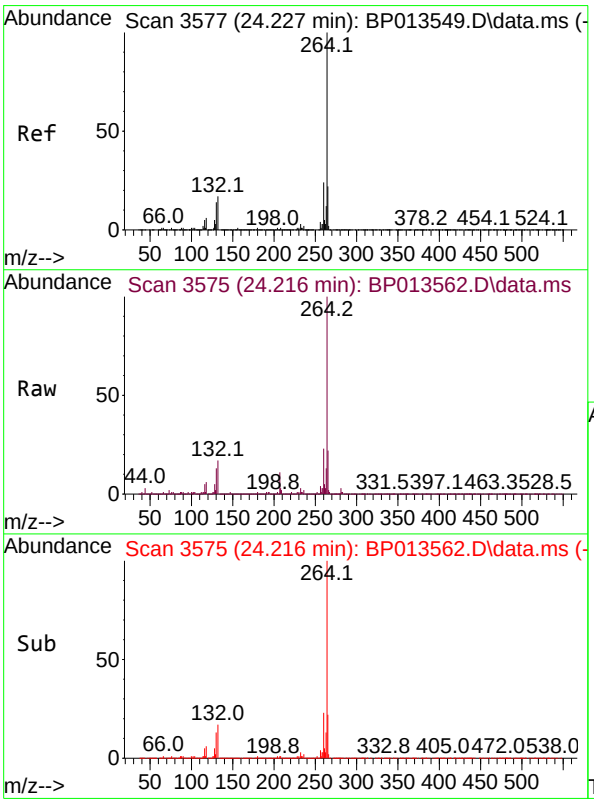
Reviewed By :Christian Giraldo

01/25/2023



Supervised By :Jagrut Upadhyay

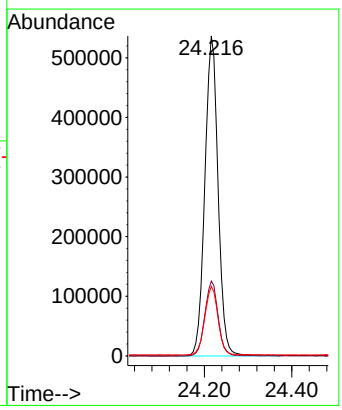
01/25/2023

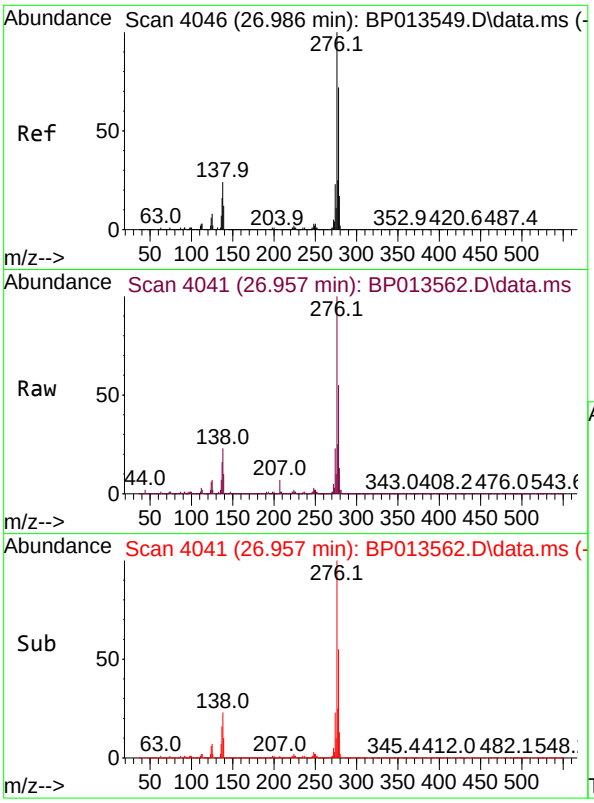


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.216 min Scan# 3575
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:264 Resp: 1120193

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.7	17.4	26.2

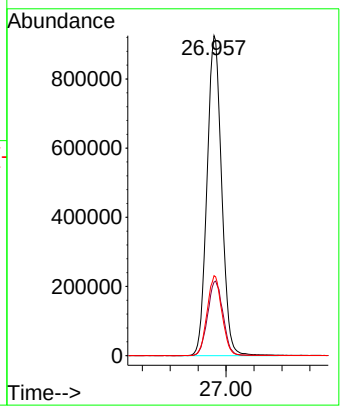




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.650 ng
RT: 26.957 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:276 Resp: 335405

Ion	Ratio	Lower	Upper
276	100		
138	24.5	19.8	29.6
277	25.3	20.2	30.4



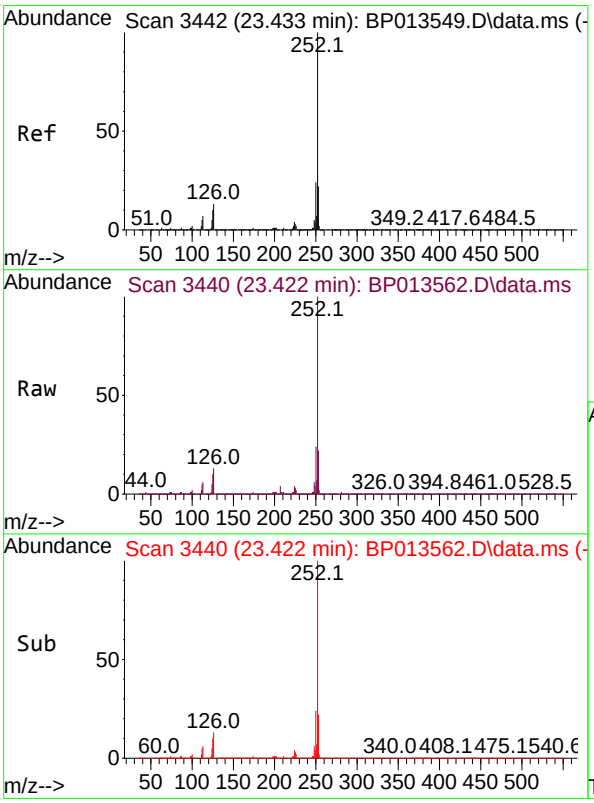
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

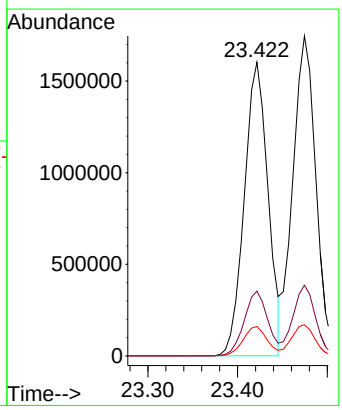
01/25/2023

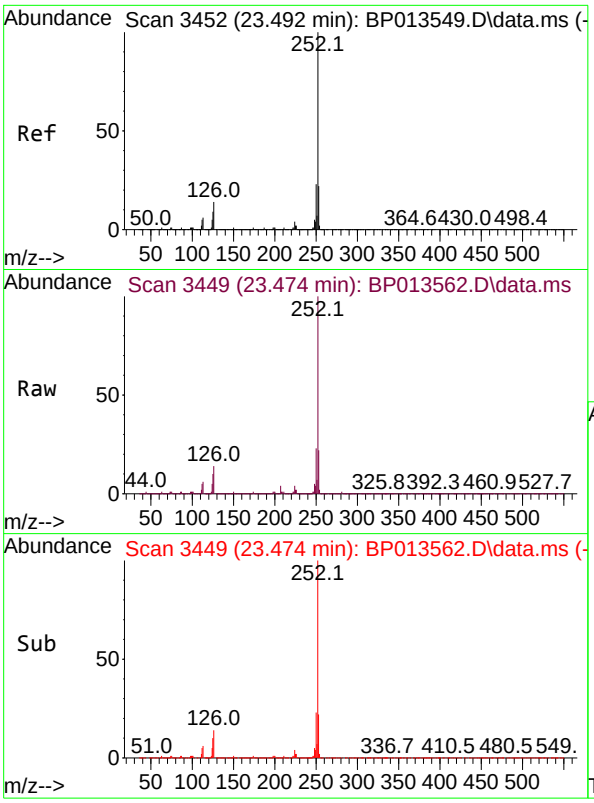


#88
Benzo(b)fluoranthene
Concen: 42.644 ng
RT: 23.422 min Scan# 3440
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:252 Resp: 2938625

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.0	8.0	12.0

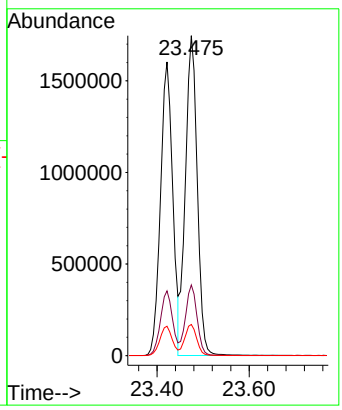




#89
Benzo(k)fluoranthene
Concen: 44.586 ng
RT: 23.474 min Scan# 34
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:252 Resp: 313378

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.7	7.5	11.3



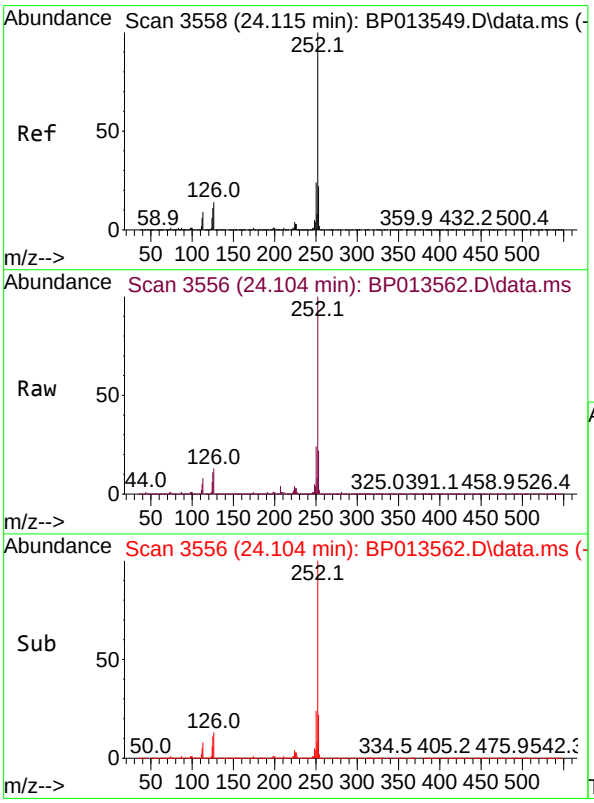
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

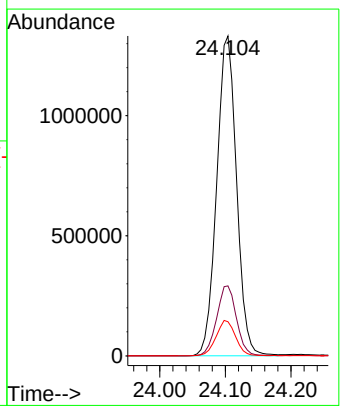
01/25/2023

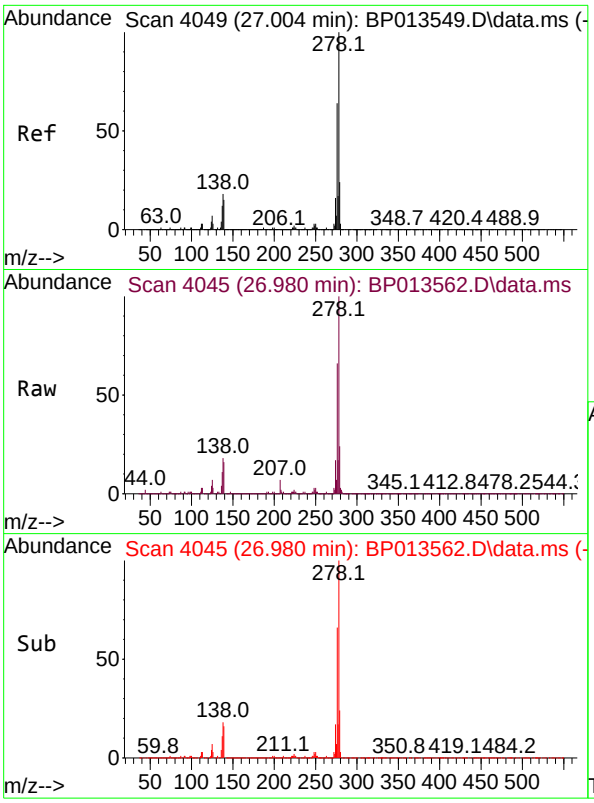


#90
Benzo(a)pyrene
Concen: 41.946 ng
RT: 24.104 min Scan# 3556
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:252 Resp: 2803978

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.7	8.9	13.3

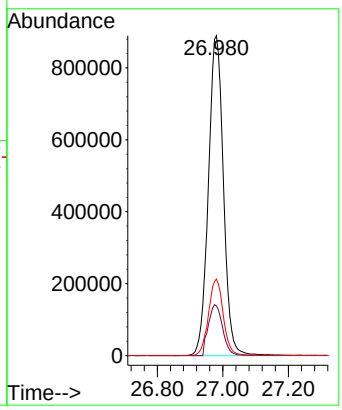




#91
Dibenzo(a,h)anthracene
Concen: 41.051 ng
RT: 26.980 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:278 Resp: 284112

Ion	Ratio	Lower	Upper
278	100		
139	15.5	12.3	18.5
279	23.9	19.0	28.6



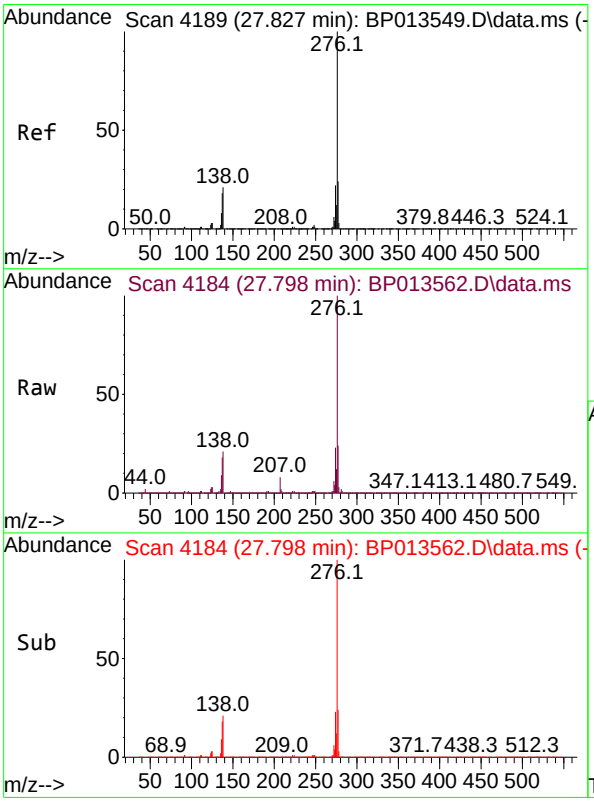
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Christian Giraldo

01/25/2023
Supervised By :Jagrut Upadhyay

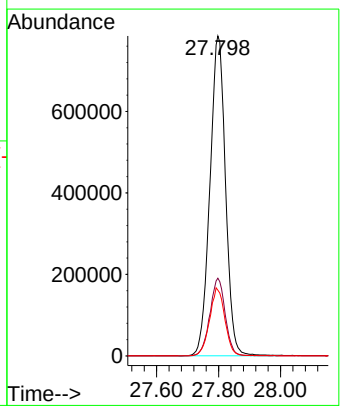
01/25/2023



#92
Benzo(g,h,i)perylene
Concen: 40.611 ng
RT: 27.798 min Scan# 4184
Delta R.T. 0.000 min
Lab File: BP013562.D
Acq: 24 Jan 2023 09:53

Tgt Ion:276 Resp: 2743548

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.6
138	20.5	16.6	25.0



Sample Results: **BP013562.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013562.D
Acq On : 24 Jan 2023 09:53
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 03:45:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	115	0.00
2		1,4-Dioxane	0.471	0.491	-4.2	114	0.00
3		Pyridine	1.397	1.462	-4.7	114	0.00
4		n-Nitrosodimethylamine	0.632	0.631	0.2	110	0.00
5	S	2-Fluorophenol	1.167	1.219	-4.5	114	0.00
6		Aniline	2.110	2.172	-2.9	115	0.00
7	S	Phenol-d6	1.571	1.646	-4.8	116	0.00
8		2-Chlorophenol	1.288	1.368	-6.2	118	0.00
9		Benzaldehyde	0.995	0.927	6.8	116	0.00
10	C	Phenol	1.628	1.701	-4.5	116	0.00
11		bis(2-Chloroethyl)ether	1.331	1.374	-3.2	116	0.00
12		1,3-Dichlorobenzene	1.424	1.471	-3.3	114	0.00
13	C	1,4-Dichlorobenzene	1.444	1.494	-3.5	115	0.00
14		1,2-Dichlorobenzene	1.399	1.436	-2.6	115	0.00
15		Benzyl Alcohol	1.122	1.174	-4.6	118	0.00
16		2,2'-oxybis(1-Chloropropane	1.822	1.854	-1.8	116	0.00
17		2-Methylphenol	1.182	1.237	-4.7	118	0.00
18		Hexachloroethane	0.483	0.515	-6.6	117	0.00
19	P	n-Nitroso-di-n-propylamine	1.012	1.069	-5.6	120	0.00
20		3+4-Methylphenols	1.556	1.667	-7.1	121	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	120	0.00
22		Acetophenone	0.513	0.525	-2.3	119	0.00
23	S	Nitrobenzene-d5	0.303	0.350	-15.5	128	0.00
24		Nitrobenzene	0.326	0.367	-12.6	126	0.00
25		Isophorone	0.719	0.734	-2.1	123	0.00
26	C	2-Nitrophenol	0.094	0.137	-45.7#	156#	0.00
27		2,4-Dimethylphenol	0.310	0.328	-5.8	123	0.00
28		bis(2-Chloroethoxy)methane	0.433	0.453	-4.6	124	0.00
29	C	2,4-Dichlorophenol	0.285	0.313	-9.8	127	0.00
30		1,2,4-Trichlorobenzene	0.326	0.336	-3.1	121	0.00
31		Naphthalene	1.075	1.106	-2.9	120	0.00
32		Benzoic acid	0.138	0.166	-20.3	153#	0.00
33		4-Chloroaniline	0.476	0.496	-4.2	124	0.00
34	C	Hexachlorobutadiene	0.189	0.195	-3.2	119	0.00
35		Caprolactam	0.093	0.108	-16.1	143	0.00
36	C	4-Chloro-3-methylphenol	0.311	0.343	-10.3	132	0.00
37		2-Methylnaphthalene	0.764	0.801	-4.8	125	0.00
38		1-Methylnaphthalene	0.718	0.752	-4.7	126	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	132	0.00
40		1,2,4,5-Tetrachlorobenzene	0.616	0.623	-1.1	126	0.00
41	P	Hexachlorocyclopentadiene	0.290	0.314	-8.3	138	0.00
42	S	2,4,6-Tribromophenol	0.201	0.225	-11.9	140	0.00
43	C	2,4,6-Trichlorophenol	0.360	0.398	-10.6	138	0.00
44		2,4,5-Trichlorophenol	0.426	0.479	-12.4	140	0.00
45	S	2-Fluorobiphenyl	1.457	1.460	-0.2	126	0.00
46		1,1'-Biphenyl	1.606	1.621	-0.9	128	0.00
47		2-Chloronaphthalene	1.203	1.208	-0.4	128	0.00

Sample Results: **BP013562.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013562.D
Acq On : 24 Jan 2023 09:53
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 03:45:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.241	0.333	-38.2#	168#	0.00
49		Acenaphthylene	1.968	2.011	-2.2	131	0.00
50		Dimethylphthalate	1.487	1.591	-7.0	141	0.00
51		2,6-Dinitrotoluene	0.240	0.324	-35.0#	162#	0.00
52	C	Acenaphthene	1.216	1.264	-3.9	134	0.00
53		3-Nitroaniline	0.275	0.365	-32.7#	160#	0.00
54	P	2,4-Dinitrophenol	0.058	0.106	-82.8#	217#	0.00
55		Dibenzofuran	1.864	1.911	-2.5	133	0.00
56	P	4-Nitrophenol	0.212	0.283	-33.5#	163#	0.00
57		2,4-Dinitrotoluene	0.266	0.423	-59.0#	179#	0.00
58		Fluorene	1.482	1.533	-3.4	135	0.00
59		2,3,4,6-Tetrachlorophenol	0.327	0.375	-14.7	147	0.00
60		Diethylphthalate	1.452	1.590	-9.5	145	0.00
61		4-Chlorophenyl-phenylether	0.729	0.759	-4.1	137	0.00
62		4-Nitroaniline	0.265	0.372	-40.4#	159#	0.00
63		Azobenzene	1.411	1.454	-3.0	136	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	145	0.00
65		4,6-Dinitro-2-methylphenol	0.058	0.080	-37.9#	218#	0.00
66	c	n-Nitrosodiphenylamine	0.652	0.650	0.3	139	0.00
67		4-Bromophenyl-phenylether	0.222	0.207	6.8	132	0.00
68		Hexachlorobenzene	0.239	0.241	-0.8	144	0.00
69		Atrazine	0.187	0.211	-12.8	153#	0.00
70	C	Pentachlorophenol	0.139	0.158	-13.7	160#	0.00
71		Phenanthrene	1.113	1.138	-2.2	143	0.00
72		Anthracene	1.129	1.148	-1.7	141	0.00
73		Carbazole	1.015	1.060	-4.4	144	0.00
74		Di-n-butylphthalate	1.130	1.253	-10.9	153#	0.00
75	C	Fluoranthene	1.183	1.258	-6.3	145	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	131	0.00
77		Benzidine	0.503	0.595	-18.3	147	0.00
78		Pyrene	1.529	1.627	-6.4	144	0.00
79	S	Terphenyl-d14	1.112	1.205	-8.4	142	0.00
80		Butylbenzylphthalate	0.487	0.596	-22.4	148	0.00
81		Benzo(a)anthracene	1.393	1.436	-3.1	131	0.00
82		3,3'-Dichlorobenzidine	0.449	0.453	-0.9	123	0.00
83		Chrysene	1.333	1.354	-1.6	129	0.00
84		Bis(2-ethylhexyl)phthalate	0.779	0.834	-7.1	134	0.00
85	c	Di-n-octyl phthalate	1.256	1.234	1.8	119	0.00
86	I	Perylene-d12	1.000	1.000	0.0	102	0.00
87		Indeno(1,2,3-cd)pyrene	1.473	1.497	-1.6	96	0.00
88		Benzo(b)fluoranthene	1.230	1.312	-6.7	105	0.00
89		Benzo(k)fluoranthene	1.255	1.399	-11.5	113	0.00
90	C	Benzo(a)pyrene	1.194	1.252	-4.9	103	0.00
91		Dibenzo(a,h)anthracene	1.236	1.268	-2.6	97	0.00
92		Benzo(g,h,i)perylene	1.206	1.225	-1.6	96	0.00

Sample Results: **BP013562.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013562.D
Acq On : 24 Jan 2023 09:53
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 03:45:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BP013562.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013562.D
Acq On : 24 Jan 2023 09:53
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 03:45:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	115	0.00
2		1,4-Dioxane	40.000	41.714	-4.3	114	0.00
3		Pyridine	40.000	41.872	-4.7	114	0.00
4		n-Nitrosodimethylamine	40.000	39.936	0.2	110	0.00
5	S	2-Fluorophenol	80.000	83.522	-4.4	114	0.00
6		Aniline	40.000	41.171	-2.9	115	0.00
7	S	Phenol-d6	80.000	83.809	-4.8	116	0.00
8		2-Chlorophenol	40.000	42.487	-6.2	118	0.00
9		Benzaldehyde	40.000	37.262	6.8	116	0.00
10	C	Phenol	40.000	41.792	-4.5	116	0.00
11		bis(2-Chloroethyl)ether	40.000	41.289	-3.2	116	0.00
12		1,3-Dichlorobenzene	40.000	41.305	-3.3	114	0.00
13	C	1,4-Dichlorobenzene	40.000	41.386	-3.5	115	0.00
14		1,2-Dichlorobenzene	40.000	41.063	-2.7	115	0.00
15		Benzyl Alcohol	40.000	41.827	-4.6	118	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.694	-1.7	116	0.00
17		2-Methylphenol	40.000	41.869	-4.7	118	0.00
18		Hexachloroethane	40.000	42.711	-6.8	117	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	42.256	-5.6	120	0.00
20		3+4-Methylphenols	40.000	42.847	-7.1	121	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	120	0.00
22		Acetophenone	40.000	40.931	-2.3	119	0.00
23	S	Nitrobenzene-d5	80.000	92.387	-15.5	128	0.00
24		Nitrobenzene	40.000	45.050	-12.6	126	0.00
25		Isophorone	40.000	40.844	-2.1	123	0.00
26	C	2-Nitrophenol	40.000	47.056	-17.6	156	0.00
27		2,4-Dimethylphenol	40.000	42.337	-5.8	123	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.850	-4.6	124	0.00
29	C	2,4-Dichlorophenol	40.000	43.931	-9.8	127	0.00
30		1,2,4-Trichlorobenzene	40.000	41.318	-3.3	121	0.00
31		Naphthalene	40.000	41.131	-2.8	120	0.00
32		Benzoic acid	40.000	45.975	-14.9	153	0.00
33		4-Chloroaniline	40.000	41.713	-4.3	124	0.00
34	C	Hexachlorobutadiene	40.000	41.191	-3.0	119	0.00
35		Caprolactam	40.000	46.549	-16.4	143	0.00
36	C	4-Chloro-3-methylphenol	40.000	44.172	-10.4	132	0.00
37		2-Methylnaphthalene	40.000	41.931	-4.8	125	0.00
38		1-Methylnaphthalene	40.000	41.873	-4.7	126	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	132	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.444	-1.1	126	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.899	-2.2	138	0.00
42	S	2,4,6-Tribromophenol	80.000	89.861	-12.3	140	0.00
43	C	2,4,6-Trichlorophenol	40.000	44.162	-10.4	138	0.00
44		2,4,5-Trichlorophenol	40.000	44.957	-12.4	140	0.00
45	S	2-Fluorobiphenyl	80.000	80.177	-0.2	126	0.00
46		1,1'-Biphenyl	40.000	40.378	-0.9	128	0.00
47		2-Chloronaphthalene	40.000	40.160	-0.4	128	0.00

Sample Results: **BP013562.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013562.D
Acq On : 24 Jan 2023 09:53
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 03:45:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	44.804	-12.0	168	0.00
49		Acenaphthylene	40.000	40.880	-2.2	131	0.00
50		Dimethylphthalate	40.000	42.802	-7.0	141	0.00
51		2,6-Dinitrotoluene	40.000	44.974	-12.4	162	0.00
52	C	Acenaphthene	40.000	41.586	-4.0	134	0.00
53		3-Nitroaniline	40.000	44.406	-11.0	160	0.00
54	P	2,4-Dinitrophenol	40.000	52.878	-32.2#	217	0.00
55		Dibenzofuran	40.000	41.001	-2.5	133	0.00
56	P	4-Nitrophenol	40.000	47.158	-17.9	163	0.00
57		2,4-Dinitrotoluene	40.000	48.979	-22.4	179	0.00
58		Fluorene	40.000	41.400	-3.5	135	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	45.875	-14.7	147	0.00
60		Diethylphthalate	40.000	43.807	-9.5	145	0.00
61		4-Chlorophenyl-phenylether	40.000	41.688	-4.2	137	0.00
62		4-Nitroaniline	40.000	46.953	-17.4	159	0.00
63		Azobenzene	40.000	41.224	-3.1	136	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	145	0.00
65		4,6-Dinitro-2-methylphenol	40.000	50.163	-25.4#	218	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.850	0.4	139	0.00
67		4-Bromophenyl-phenylether	40.000	37.315	6.7	132	0.00
68		Hexachlorobenzene	40.000	40.302	-0.8	144	0.00
69		Atrazine	40.000	45.203	-13.0	153	0.00
70	C	Pentachlorophenol	40.000	42.356	-5.9	160	0.00
71		Phenanthrene	40.000	40.899	-2.2	143	0.00
72		Anthracene	40.000	40.668	-1.7	141	0.00
73		Carbazole	40.000	41.793	-4.5	144	0.00
74		Di-n-butylphthalate	40.000	44.385	-11.0	153	0.00
75	C	Fluoranthene	40.000	42.518	-6.3	145	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	131	0.00
77		Benzidine	40.000	47.293	-18.2	147	0.00
78		Pyrene	40.000	42.550	-6.4	144	0.00
79	S	Terphenyl-d14	80.000	86.712	-8.4	142	0.00
80		Butylbenzylphthalate	40.000	48.963	-22.4	148	0.00
81		Benzo(a)anthracene	40.000	41.218	-3.0	131	0.00
82		3,3'-Dichlorobenzidine	40.000	40.384	-1.0	123	0.00
83		Chrysene	40.000	40.627	-1.6	129	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.831	-7.1	134	0.00
85	c	Di-n-octyl phthalate	40.000	39.295	1.8	119	0.00
86	I	Perylene-d12	20.000	20.000	0.0	102	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.650	-1.6	96	0.00
88		Benzo(b)fluoranthene	40.000	42.644	-6.6	105	0.00
89		Benzo(k)fluoranthene	40.000	44.586	-11.5	113	0.00
90	C	Benzo(a)pyrene	40.000	41.946	-4.9	103	0.00
91		Dibenzo(a,h)anthracene	40.000	41.051	-2.6	97	0.00
92		Benzo(g,h,i)perylene	40.000	40.611	-1.5	96	0.00

Sample Results: **BP013562.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013562.D
Acq On : 24 Jan 2023 09:53
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 03:45:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_P Calibration Date/Time: 01/24/2023 15:13

Lab File ID: BP013571.D Init. Calib. Date(s): 01/23/2023 01/23/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:25 16:01

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.167	1.147		-1.7	
Benzaldehyde	0.995	0.888		-10.8	
Phenol-d6	1.571	1.597		1.7	
Phenol	1.628	1.651		1.4	20.0
bis(2-Chloroethyl)ether	1.331	1.329		-0.2	
2-Chlorophenol	1.288	1.323		2.7	
2-Methylphenol	1.182	1.208		2.2	
2,2-oxybis(1-Chloropropane)	1.822	1.794		-1.5	
Acetophenone	0.513	0.490		-4.5	
3+4-Methylphenols	1.556	1.656		6.4	
n-Nitroso-di-n-propylamine	1.012	1.063	0.050	5.0	
Nitrobenzene-d5	0.303	0.333		9.9	
Hexachloroethane	0.483	0.491		1.7	
Nitrobenzene	0.326	0.344		5.5	
Isophorone	0.719	0.697		-3.1	
2-Nitrophenol	0.094	0.142		51.1	20.0
2,4-Dimethylphenol	0.310	0.311		0.3	
bis(2-Chloroethoxy)methane	0.433	0.428		-1.2	
2,4-Dichlorophenol	0.285	0.299		4.9	20.0
Naphthalene	1.075	1.033		-3.9	
4-Chloroaniline	0.476	0.475		-0.2	
Hexachlorobutadiene	0.189	0.179		-5.3	20.0
Caprolactam	0.093	0.109		17.2	
4-Chloro-3-methylphenol	0.311	0.339		9.0	20.0
2-Methylnaphthalene	0.764	0.764		0.0	
Hexachlorocyclopentadiene	0.290	0.295	0.050	1.7	
2,4,6-Trichlorophenol	0.360	0.382		6.1	20.0
2-Fluorobiphenyl	1.457	1.331		-8.6	
2,4,5-Trichlorophenol	0.426	0.453		6.3	
1,1-Biphenyl	1.606	1.480		-7.8	
2-Chloronaphthalene	1.203	1.104		-8.2	
2-Nitroaniline	0.241	0.326		35.3	
Dimethylphthalate	1.487	1.504		1.1	
Acenaphthylene	1.968	1.875		-4.7	
2,6-Dinitrotoluene	0.240	0.313		30.4	
3-Nitroaniline	0.275	0.361		31.3	
Acenaphthene	1.216	1.183		-2.7	20.0
2,4-Dinitrophenol	0.058	0.118	0.050	103.4	
4-Nitrophenol	0.212	0.288	0.050	35.8	
Dibenzofuran	1.864	1.797		-3.6	
2,4-Dinitrotoluene	0.266	0.421		58.3	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_P Calibration Date/Time: 01/24/2023 15:13

Lab File ID: BP013571.D Init. Calib. Date(s): 01/23/2023 01/23/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:25 16:01

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.452	1.521		4.8	
4-Chlorophenyl-phenylether	0.729	0.712		-2.3	
Fluorene	1.482	1.443		-2.6	
4-Nitroaniline	0.265	0.376		41.9	
4,6-Dinitro-2-methylphenol	0.058	0.084		44.8	
n-Nitrosodiphenylamine	0.652	0.591		-9.4	20.0
2,4,6-Tribromophenol	0.201	0.241		19.9	
4-Bromophenyl-phenylether	0.222	0.200		-9.9	
Hexachlorobenzene	0.239	0.222		-7.1	
Atrazine	0.187	0.197		5.3	
Pentachlorophenol	0.139	0.160		15.1	20.0
Phenanthrene	1.113	1.061		-4.7	
Anthracene	1.129	1.078		-4.5	
Carbazole	1.015	1.015		0.0	
Di-n-butylphthalate	1.130	1.228		8.7	
Fluoranthene	1.183	1.251		5.7	20.0
Pyrene	1.529	1.345		-12.0	
Terphenyl-d14	1.112	1.000		-10.1	
Butylbenzylphthalate	0.487	0.567		16.4	
3,3-Dichlorobenzidine	0.449	0.464		3.3	
Benzo(a)anthracene	1.393	1.340		-3.8	
Chrysene	1.333	1.268		-4.9	
Bis(2-ethylhexyl)phthalate	0.779	0.839		7.7	
Di-n-octyl phthalate	1.256	1.423		13.3	20.0
Benzo(b)fluoranthene	1.230	1.204		-2.1	
Benzo(k)fluoranthene	1.255	1.230		-2.0	
Benzo(a)pyrene	1.194	1.155		-3.3	20.0
Indeno(1,2,3-cd)pyrene	1.473	1.333		-9.5	
Dibenzo(a,h)anthracene	1.236	1.129		-8.7	
Benzo(g,h,i)perylene	1.206	1.048		-13.1	
1,2,4,5-Tetrachlorobenzene	0.616	0.561		-8.9	
1,4-Dioxane	0.471	0.449		-4.7	20.0
2,3,4,6-Tetrachlorophenol	0.327	0.373		14.1	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013571.D
Acq On : 24 Jan 2023 15:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Jan 25 03:48:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.163	152	306718	20.000	ng		0.00
21) Naphthalene-d8	10.993	136	1319960	20.000	ng		0.00
39) Acenaphthene-d10	14.798	164	845480	20.000	ng		0.00
64) Phenanthrene-d10	17.551	188	1830854	20.000	ng		0.00
76) Chrysene-d12	21.627	240	1775326	20.000	ng		0.00
86) Perylene-d12	24.215	264	1903851	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.687	112	1407570	78.628	ng		0.00
7) Phenol-d6	7.305	99	1958985	81.309	ng		0.00
23) Nitrobenzene-d5	9.334	82	1757278	87.889	ng		0.00
42) 2,4,6-Tribromophenol	16.281	330	813922	95.975	ng		0.00
45) 2-Fluorobiphenyl	13.422	172	4501608	73.084	ng		0.00
79) Terphenyl-d14	20.080	244	7103236	71.980	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.528	88	275280	38.145	ng		97
3) Pyridine	3.940	79	840847	39.249	ng		98
4) n-Nitrosodimethylamine	3.852	42	357648	36.923	ng		94
6) Aniline	7.475	93	1303907	40.287	ng		100
8) 2-Chlorophenol	7.716	128	811337	41.073	ng		98
9) Benzaldehyde	7.287	77	544547	35.691	ng		99
10) Phenol	7.328	94	1012575	40.565	ng		99
11) bis(2-Chloroethyl)ether	7.575	93	814987	39.929	ng		97
12) 1,3-Dichlorobenzene	8.052	146	851100	38.961	ng		97
13) 1,4-Dichlorobenzene	8.199	146	866381	39.114	ng		99
14) 1,2-Dichlorobenzene	8.522	146	838546	39.097	ng		98
15) Benzyl Alcohol	8.399	79	711826	41.352	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.699	45	1100796	39.385	ng		99
17) 2-Methylphenol	8.599	107	740935	40.871	ng		98
18) Hexachloroethane	9.257	117	300986	40.653	ng		98
19) n-Nitroso-di-n-propyla...	8.975	70	651844	42.005	ng		98
20) 3+4-Methylphenols	8.928	107	1015829	42.571	ng		98
22) Acetophenone	8.993	105	1292838	38.180	ng	#	99
24) Nitrobenzene	9.375	77	908102	42.241	ng		98
25) Isophorone	9.904	82	1841008	38.819	ng		98
26) 2-Nitrophenol	10.093	139	374036	48.199	ng		97
27) 2,4-Dimethylphenol	10.146	122	821831	40.144	ng		98
28) bis(2-Chloroethoxy)met...	10.387	93	1129229	39.512	ng		99
29) 2,4-Dichlorophenol	10.628	162	789841	41.944	ng		99
30) 1,2,4-Trichlorobenzene	10.851	180	824483	38.366	ng		98
31) Naphthalene	11.046	128	2727667	38.438	ng		99
32) Benzoic acid	10.269	122	488696	49.345	ng		98
33) 4-Chloroaniline	11.146	127	1252849	39.901	ng		99
34) Hexachlorobutadiene	11.328	225	473578	37.868	ng		99
35) Caprolactam	11.928	113	289017	47.340	ng		93
36) 4-Chloro-3-methylphenol	12.251	107	894439	43.614	ng		97
37) 2-Methylnaphthalene	12.640	142	2016496	39.978	ng		99
38) 1-Methylnaphthalene	12.857	142	1891404	39.906	ng		99
40) 1,2,4,5-Tetrachloroben...	12.998	216	948623	36.444	ng		100
41) Hexachlorocyclopentadiene	12.981	237	498883	38.629	ng		98
43) 2,4,6-Trichlorophenol	13.228	196	645258	42.355	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013571.D
Acq On : 24 Jan 2023 15:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Jan 25 03:48:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

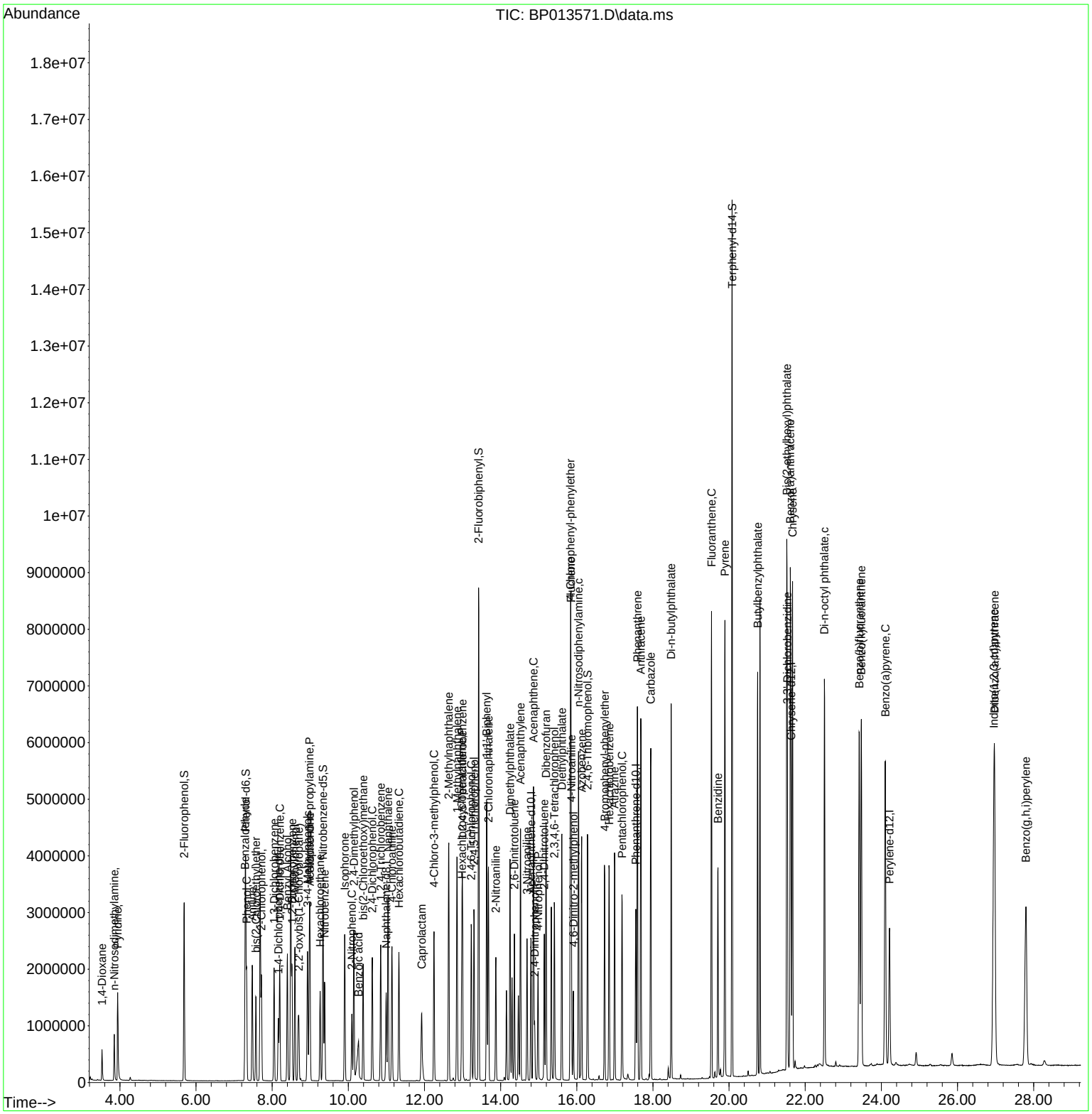
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.298	196	765637	42.530	ng		99
46) 1,1'-Biphenyl	13.634	154	2502661	36.857	ng		100
47) 2-Chloronaphthalene	13.681	162	1866810	36.698	ng		99
48) 2-Nitroaniline	13.875	65	550826	43.909	ng		92
49) Acenaphthylene	14.522	152	3169706	38.102	ng		99
50) Dimethylphthalate	14.245	163	2543784	40.475	ng		100
51) 2,6-Dinitrotoluene	14.363	165	529259	43.626	ng		92
52) Acenaphthene	14.863	154	2000093	38.921	ng		98
53) 3-Nitroaniline	14.692	138	610818	43.986	ng	#	95
54) 2,4-Dinitrophenol	14.892	184	198862	56.351	ng		97
55) Dibenzofuran	15.192	168	3039348	38.570	ng		100
56) 4-Nitrophenol	14.987	139	487069	47.976	ng		92
57) 2,4-Dinitrotoluene	15.145	165	711855	48.771	ng		90
58) Fluorene	15.845	166	2439929	38.957	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.410	232	630666	45.624	ng		98
60) Diethylphthalate	15.610	149	2571209	41.887	ng		99
61) 4-Chlorophenyl-phenyle...	15.834	204	1204164	39.100	ng		98
62) 4-Nitroaniline	15.857	138	636072	47.406	ng		94
63) Azobenzene	16.128	77	2310852	38.742	ng		96
65) 4,6-Dinitro-2-methylph...	15.910	198	308703	51.694	ng		94
66) n-Nitrosodiphenylamine	16.045	169	2165027	36.261	ng		100
67) 4-Bromophenyl-phenylether	16.734	248	734142	36.200	ng		96
68) Hexachlorobenzene	16.851	284	811990	37.067	ng		98
69) Atrazine	16.992	200	719707	42.129	ng		99
70) Pentachlorophenol	17.192	266	586444	42.768	ng		97
71) Phenanthrene	17.592	178	3886176	38.150	ng		99
72) Anthracene	17.681	178	3948781	38.194	ng		99
73) Carbazole	17.945	167	3717879	40.015	ng		99
74) Di-n-butylphthalate	18.480	149	4497957	43.497	ng		100
75) Fluoranthene	19.539	202	4579389	42.274	ng		99
77) Benzidine	19.710	184	2044660	45.793	ng		100
78) Pyrene	19.892	202	4776103	35.184	ng		100
80) Butylbenzylphthalate	20.751	149	2011565	46.542	ng		98
81) Benzo(a)anthracene	21.610	228	4759168	38.480	ng		100
82) 3,3'-Dichlorobenzidine	21.533	252	1647068	41.332	ng		99
83) Chrysene	21.669	228	4502114	38.058	ng		99
84) Bis(2-ethylhexyl)phtha...	21.516	149	2979383	43.073	ng		100
85) Di-n-octyl phthalate	22.504	149	5051658	45.299	ng		97
87) Indeno(1,2,3-cd)pyrene	26.957	276	5075238	36.191	ng		100
88) Benzo(b)fluoranthene	23.421	252	4583063	39.131	ng		99
89) Benzo(k)fluoranthene	23.474	252	4682960	39.202	ng		99
90) Benzo(a)pyrene	24.104	252	4398834	38.718	ng		100
91) Dibenzo(a,h)anthracene	26.974	278	4300120	36.557	ng		99
92) Benzo(g,h,i)perylene	27.798	276	3988636	34.739	ng		100

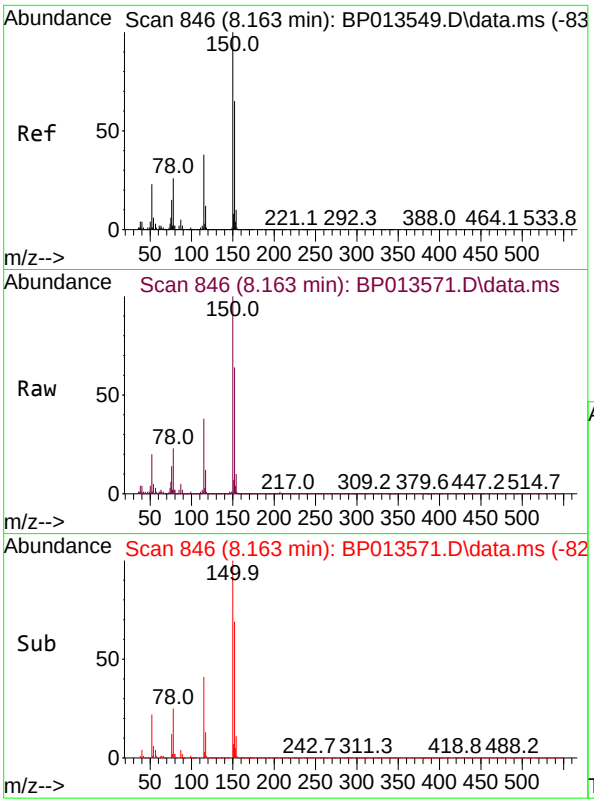
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013571.D
Acq On : 24 Jan 2023 15:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Jan 25 03:48:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration



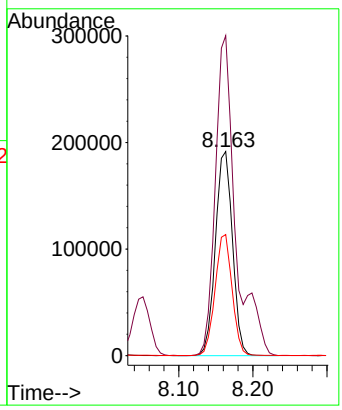


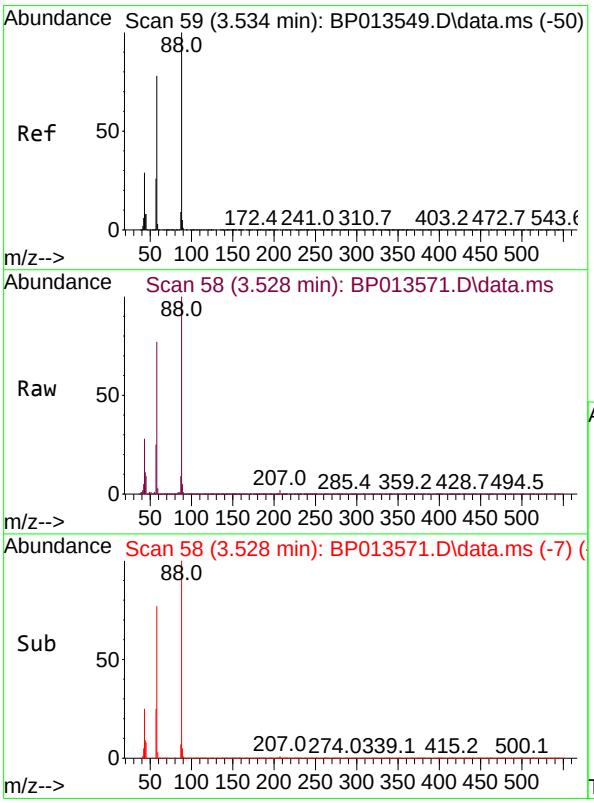
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.163 min Scan# 84
Delta R.T. -0.001 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 306718

Ion	Ratio	Lower	Upper
152	100		
150	156.9	122.4	183.6
115	59.3	46.1	69.1

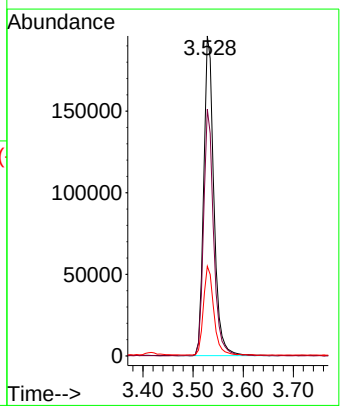


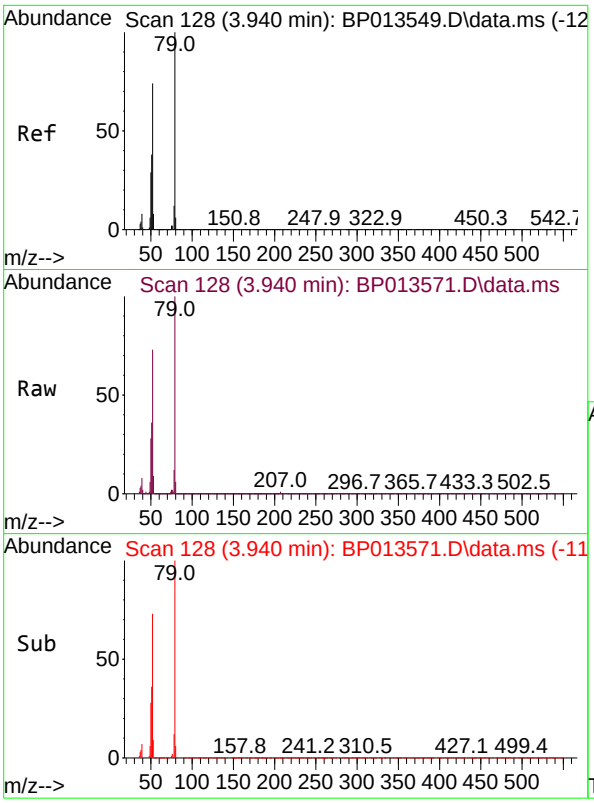


#2
1,4-Dioxane
Concen: 38.145 ng
RT: 3.528 min Scan# 58
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion: 88 Resp: 275280

Ion	Ratio	Lower	Upper
88	100		
58	76.2	63.6	95.4
43	28.8	24.2	36.2



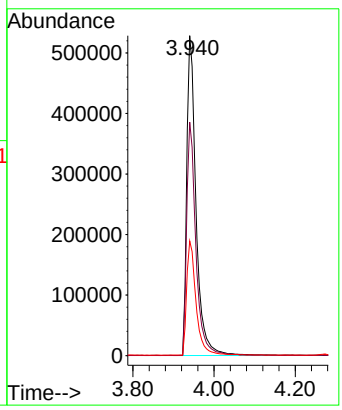


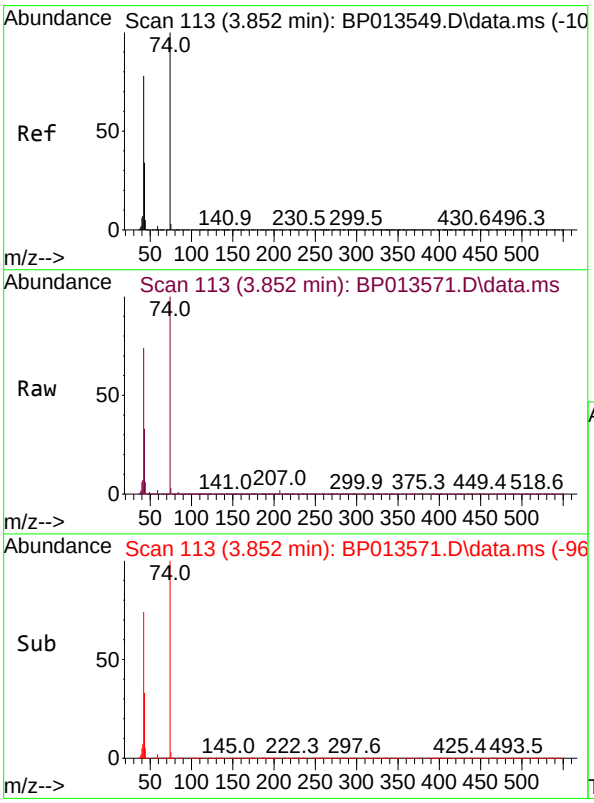
#3
Pyridine
Concen: 39.249 ng
RT: 3.940 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 840847

Ion	Ratio	Lower	Upper
79	100		
52	73.0	59.4	89.2
51	35.8	30.6	45.8

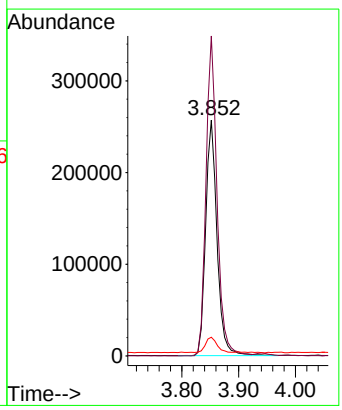


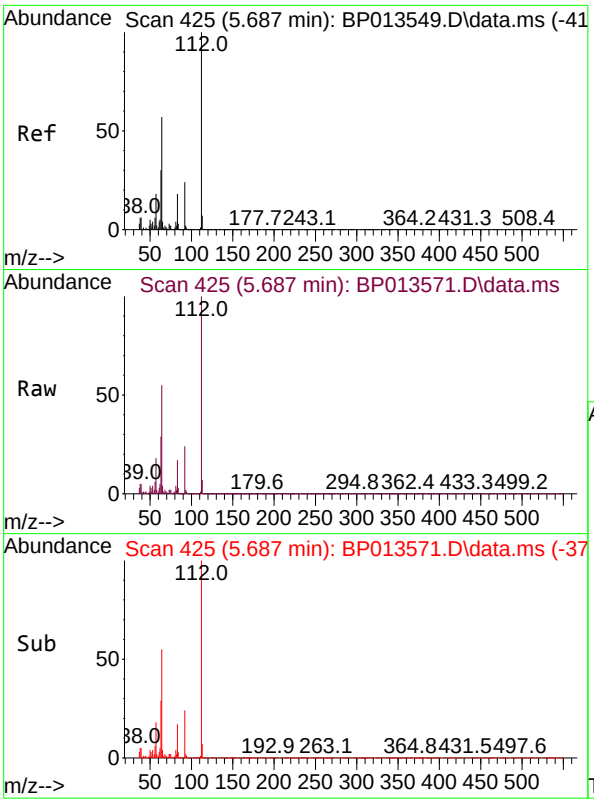


#4
n-Nitrosodimethylamine
Concen: 36.923 ng
RT: 3.852 min Scan# 113
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion: 42 Resp: 357648

Ion	Ratio	Lower	Upper
42	100		
74	135.7	102.3	153.5
44	7.9	6.2	9.2



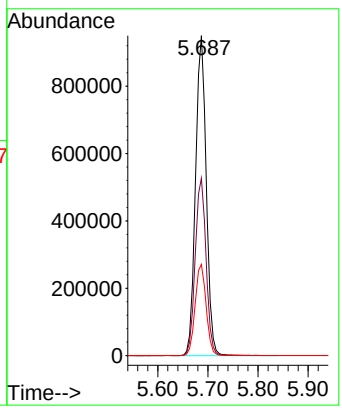


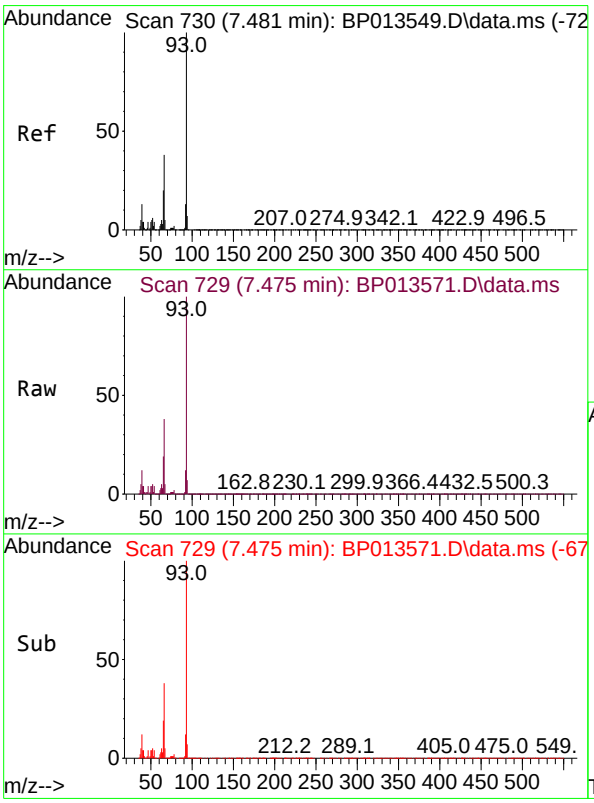
#5
2-Fluorophenol
Concen: 78.628 ng
RT: 5.687 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1407570

Ion	Ratio	Lower	Upper
112	100		
64	55.4	45.4	68.0
63	28.5	24.1	36.1

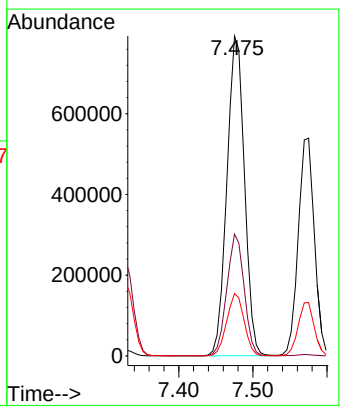


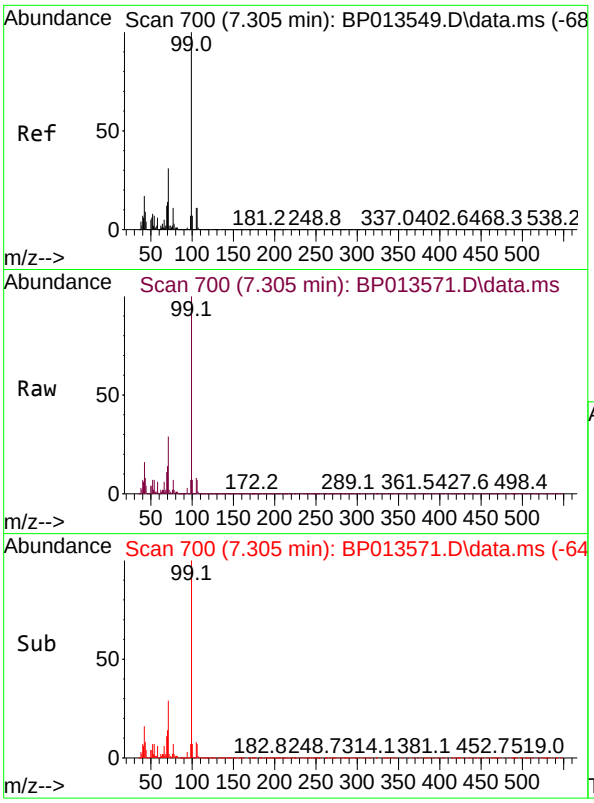


#6
Aniline
Concen: 40.287 ng
RT: 7.475 min Scan# 729
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion: 93 Resp: 1303907

Ion	Ratio	Lower	Upper
93	100		
66	38.1	30.3	45.5
65	19.5	15.9	23.9



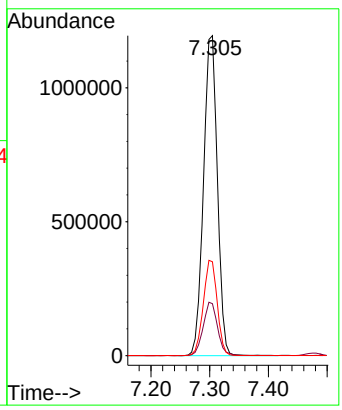


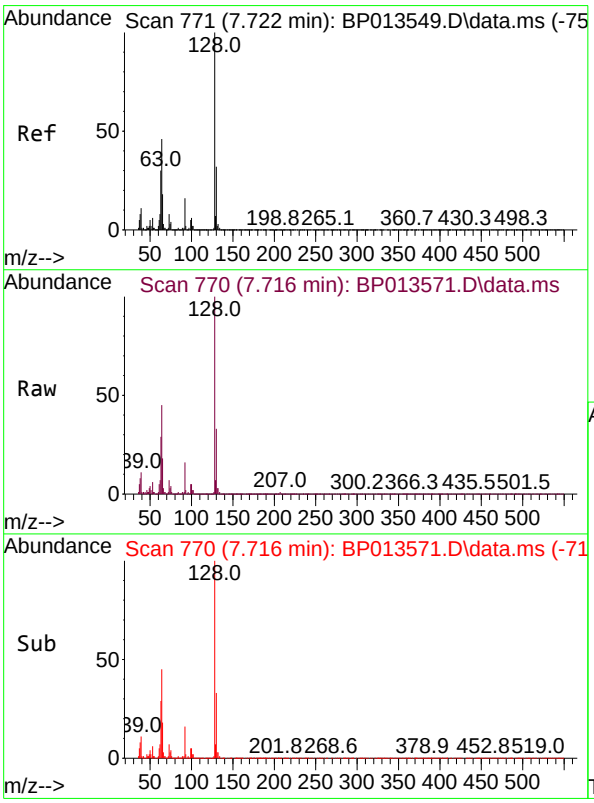
#7
Phenol-d6
Concen: 81.309 ng
RT: 7.305 min Scan# 70
Delta R.T. 0.006 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1958985

Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.0	21.0
71	29.3	24.7	37.1

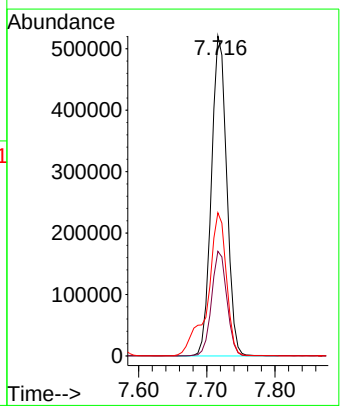


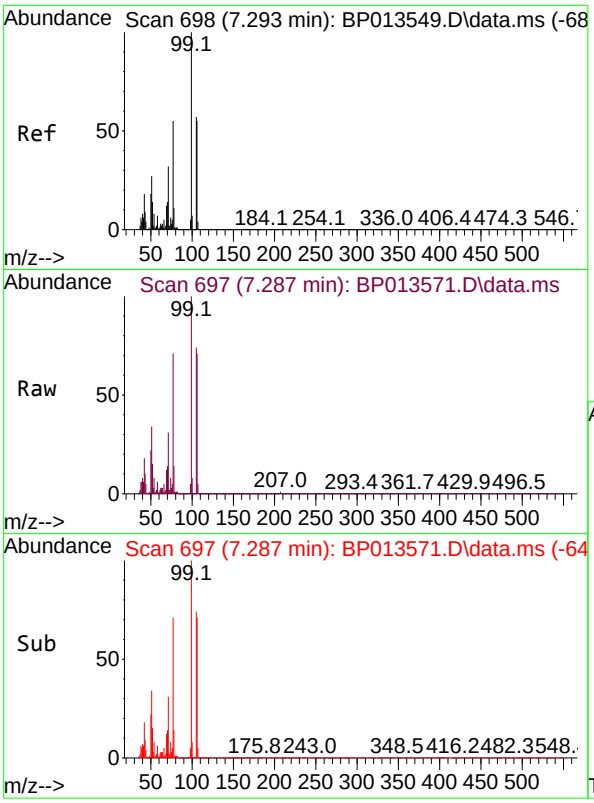


#8
2-Chlorophenol
Concen: 41.073 ng
RT: 7.716 min Scan# 770
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:128 Resp: 811337

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.4	52.4
64	44.7	26.2	66.2



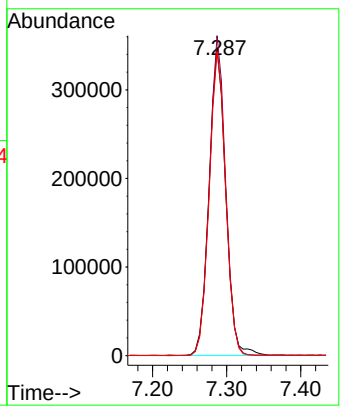


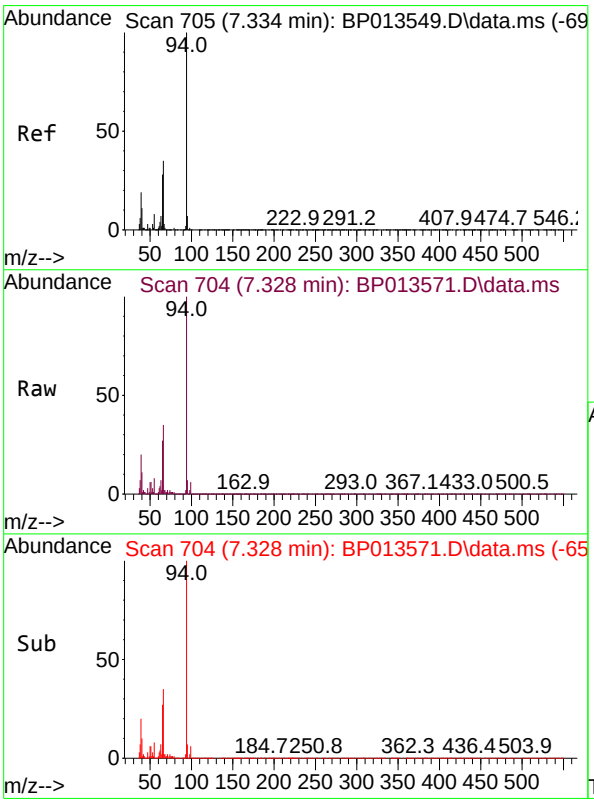
#9
Benzaldehyde
Concen: 35.691 ng
RT: 7.287 min Scan# 69
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 544547

Ion	Ratio	Lower	Upper
77	100		
105	103.9	82.6	122.6
106	98.8	78.9	118.9

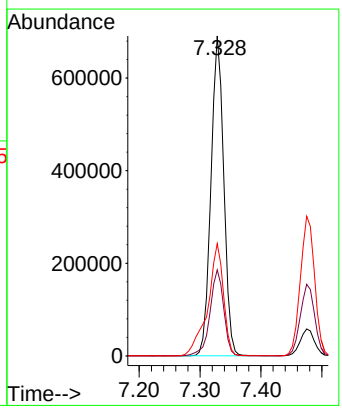


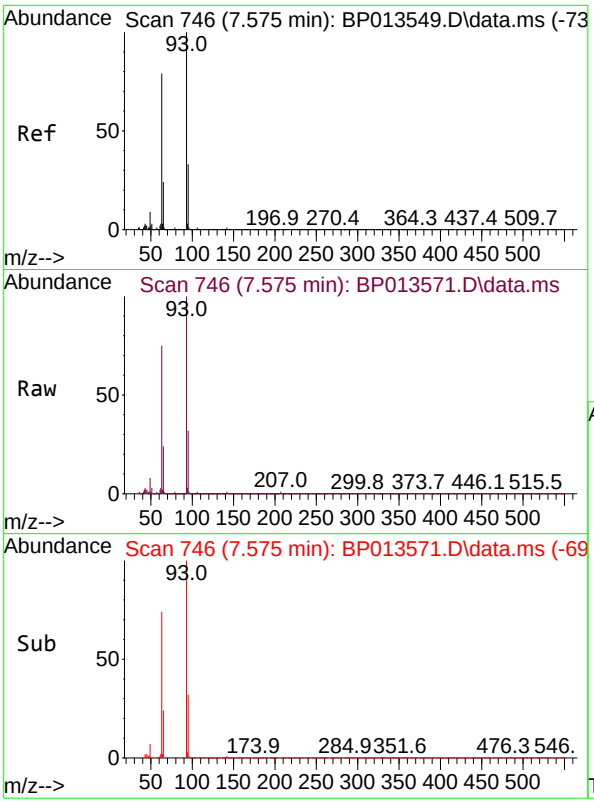


#10
Phenol
Concen: 40.565 ng
RT: 7.328 min Scan# 704
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion: 94 Resp: 1012575

Ion	Ratio	Lower	Upper
94	100		
65	26.9	7.8	47.8
66	35.1	15.5	55.5



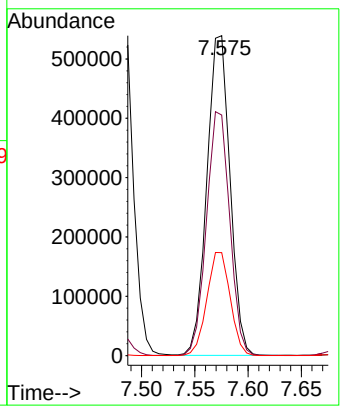


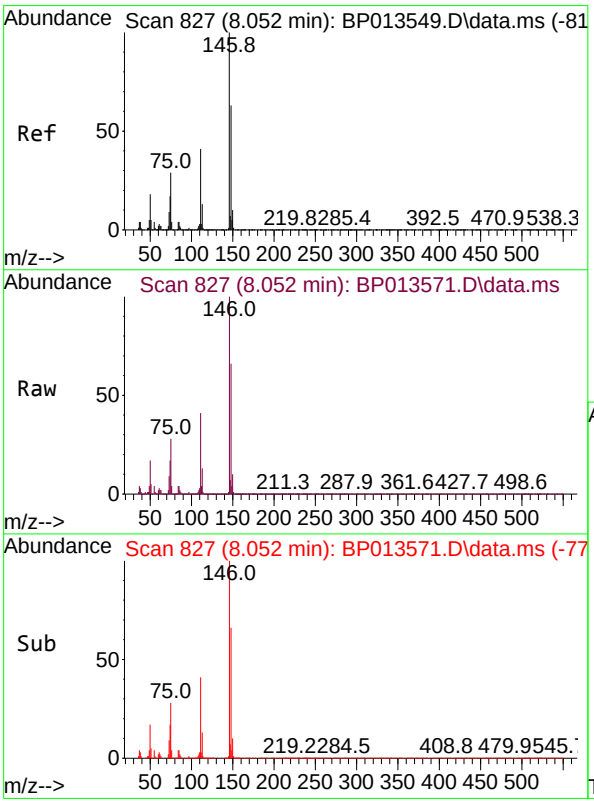
#11
bis(2-Chloroethyl)ether
Concen: 39.929 ng
RT: 7.575 min Scan# 74
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 814987

Ion	Ratio	Lower	Upper
93	100		
63	75.2	58.7	98.7
95	32.2	12.8	52.8

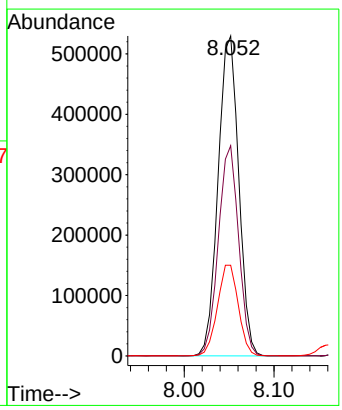


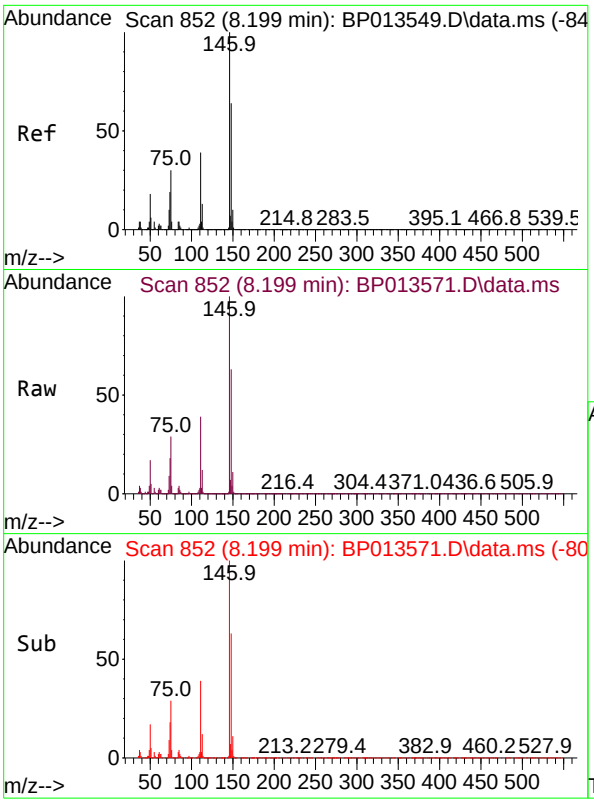


#12
1,3-Dichlorobenzene
Concen: 38.961 ng
RT: 8.052 min Scan# 827
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:146 Resp: 851100

Ion	Ratio	Lower	Upper
146	100		
148	65.7	50.7	76.1
75	28.3	23.4	35.2



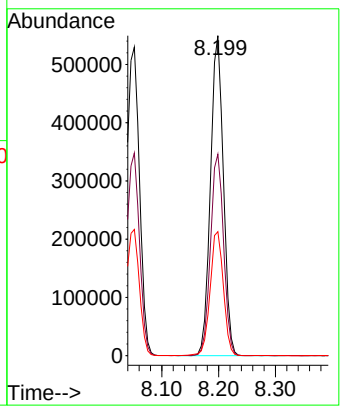


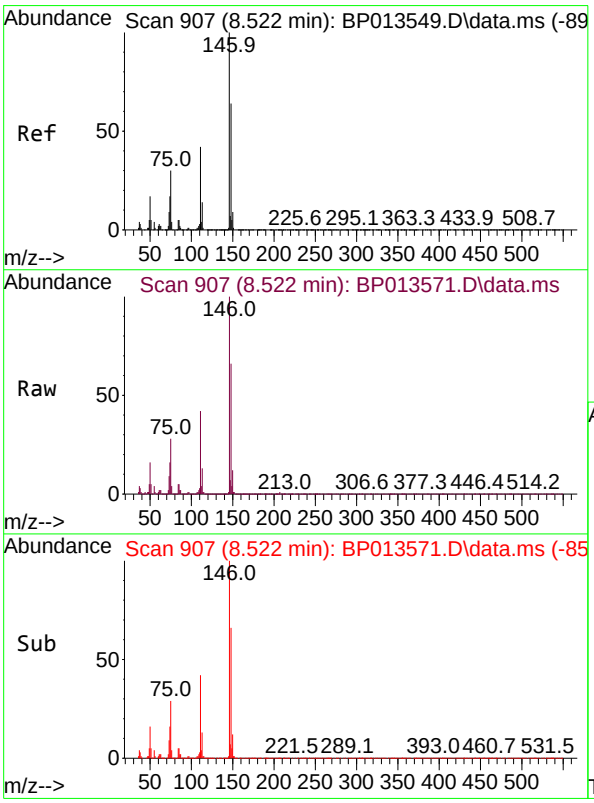
#13
1,4-Dichlorobenzene
Concen: 39.114 ng
RT: 8.199 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 866381

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.4	77.0
111	38.7	31.4	47.2

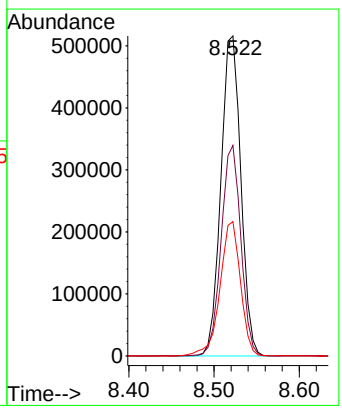


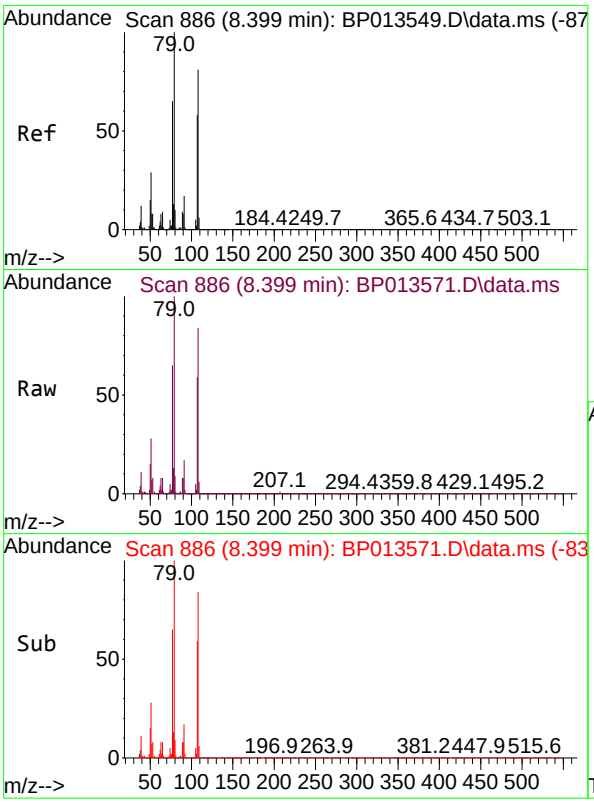


#14
1,2-Dichlorobenzene
Concen: 39.097 ng
RT: 8.522 min Scan# 907
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:146 Resp: 838546

Ion	Ratio	Lower	Upper
146	100		
148	65.8	50.8	76.2
111	42.0	33.4	50.2



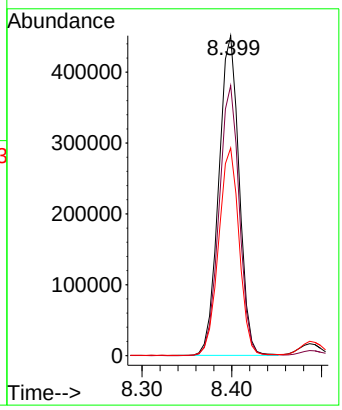


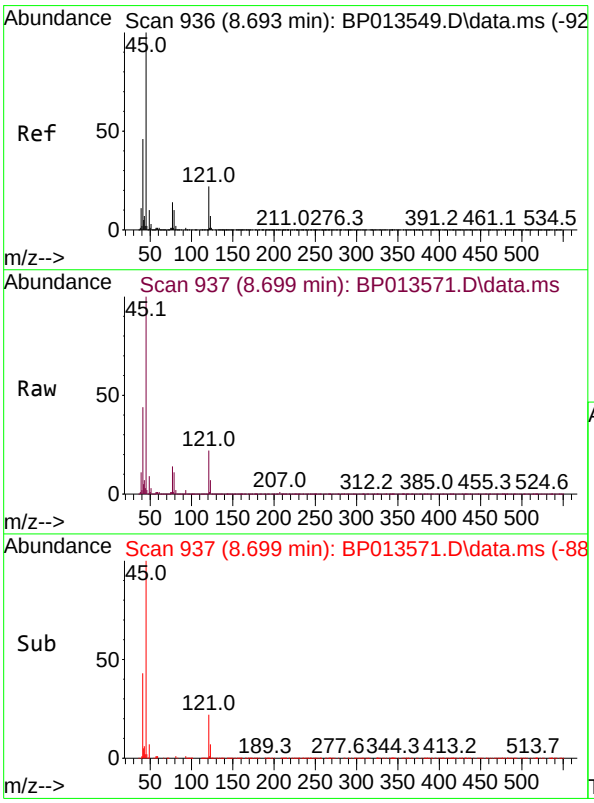
#15
Benzyl Alcohol
Concen: 41.352 ng
RT: 8.399 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 711826

Ion	Ratio	Lower	Upper
79	100		
108	84.4	65.2	97.8
77	64.9	52.3	78.5

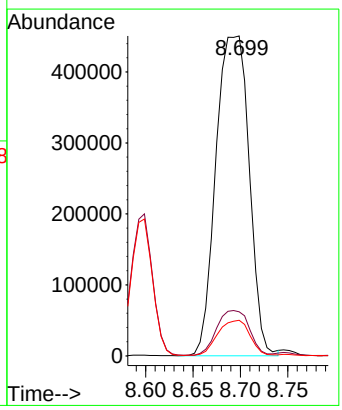


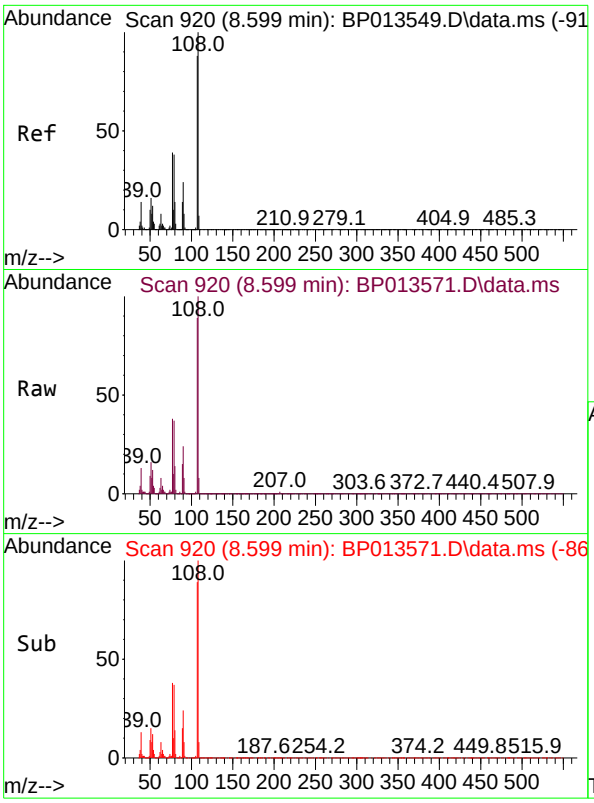


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.385 ng
RT: 8.699 min Scan# 937
Delta R.T. 0.006 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion: 45 Resp: 1100796

Ion	Ratio	Lower	Upper
45	100		
77	13.8	0.0	34.2
79	11.1	0.0	30.4



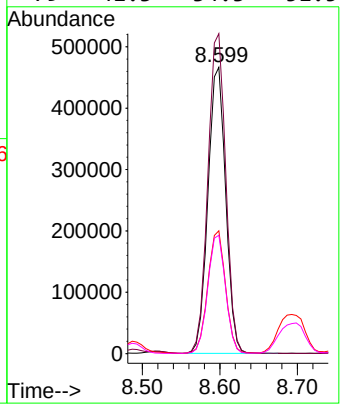


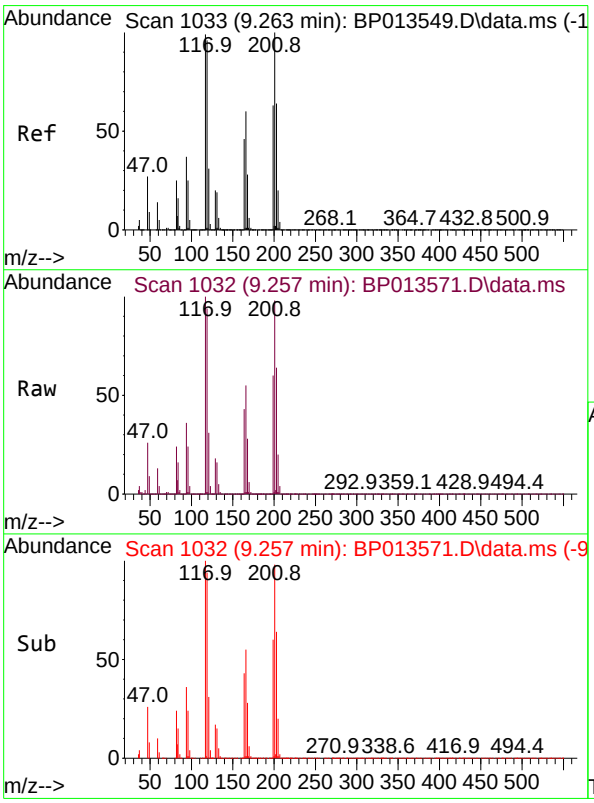
#17
2-Methylphenol
Concen: 40.871 ng
RT: 8.599 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 740935

Ion	Ratio	Lower	Upper
107	100		
108	111.8	90.5	135.7
77	42.9	35.4	53.2
79	41.3	34.3	51.5

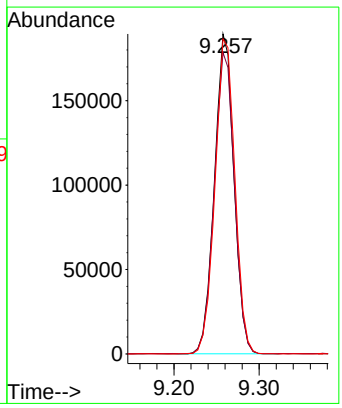


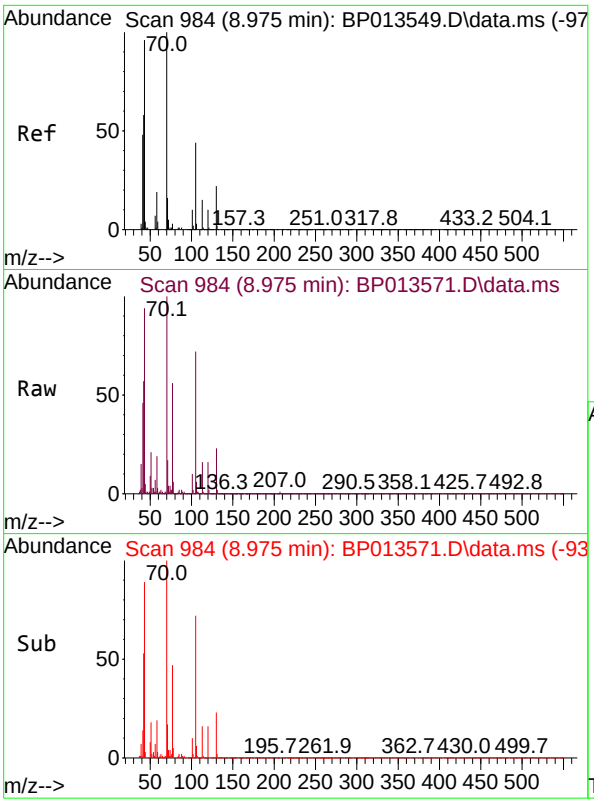


#18
Hexachloroethane
Concen: 40.653 ng
RT: 9.257 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:117 Resp: 300986

Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.0	115.6
201	98.4	80.6	120.8



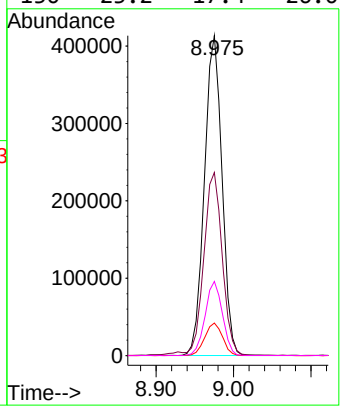


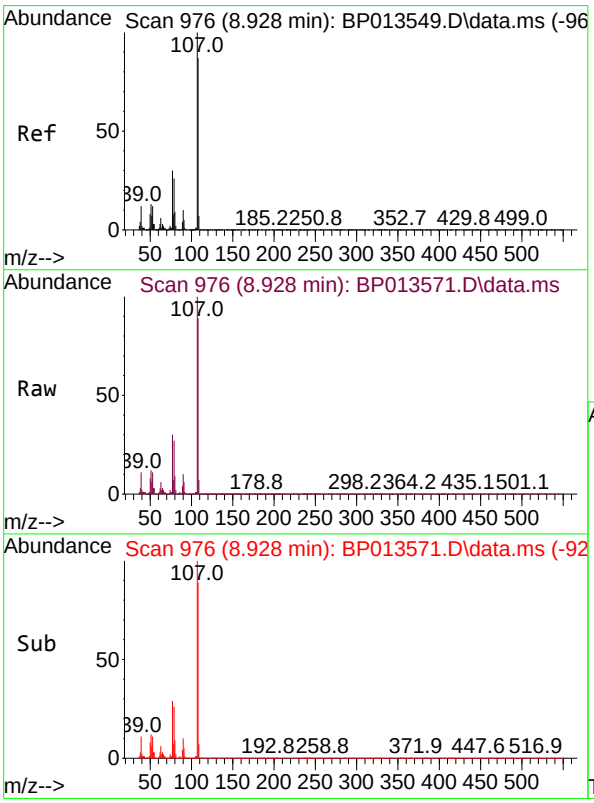
#19
n-Nitroso-di-n-propylamine
Concen: 42.005 ng
RT: 8.975 min Scan# 98
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 651844

Ion	Ratio	Lower	Upper
70	100		
42	57.2	47.2	70.8
101	10.2	8.0	12.0
130	23.2	17.4	26.0

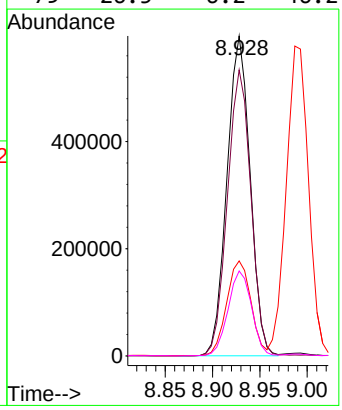


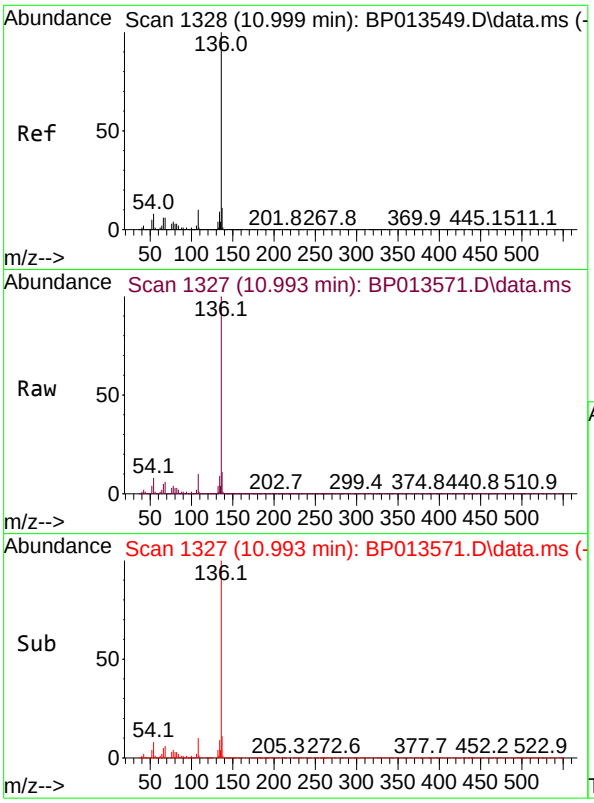


#20
3+4-Methylphenols
Concen: 42.571 ng
RT: 8.928 min Scan# 976
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:107 Resp: 1015829

Ion	Ratio	Lower	Upper
107	100		
108	89.4	67.5	107.5
77	29.7	10.5	50.5
79	26.5	6.2	46.2



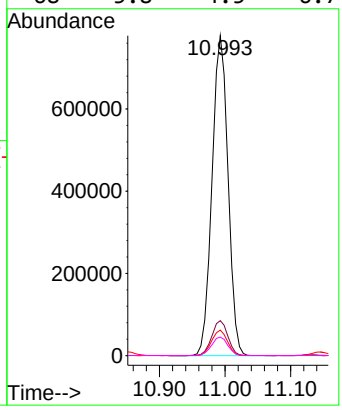


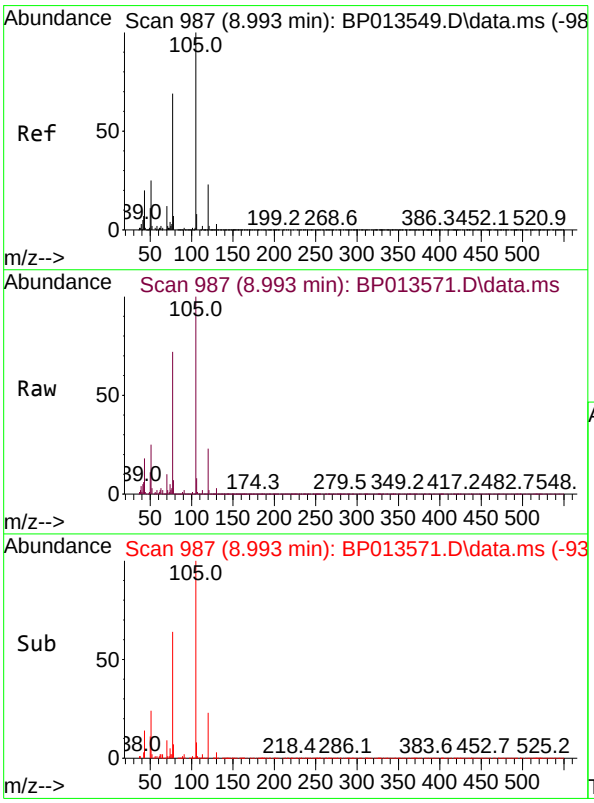
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1319960

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	8.0	6.6	9.8
68	5.8	4.5	6.7

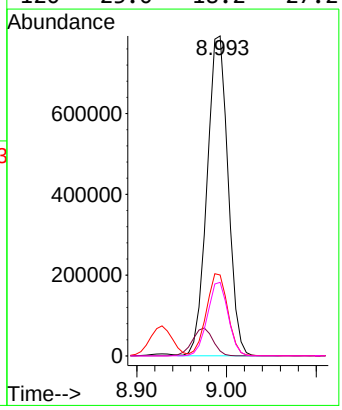


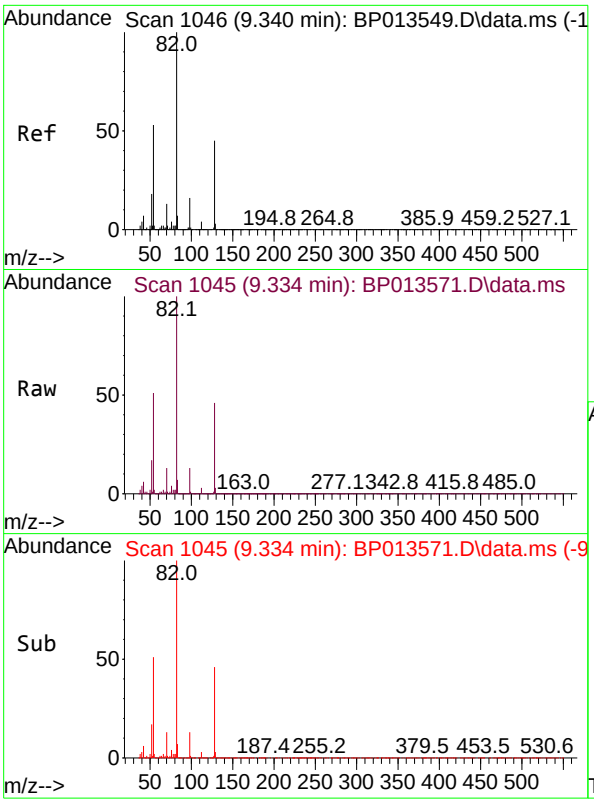


#22
Acetophenone
Concen: 38.180 ng
RT: 8.993 min Scan# 987
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:105 Resp: 1292838

Ion	Ratio	Lower	Upper
105	100		
71	1.5	1.8	2.8#
51	25.3	21.1	31.7
120	23.0	18.2	27.2



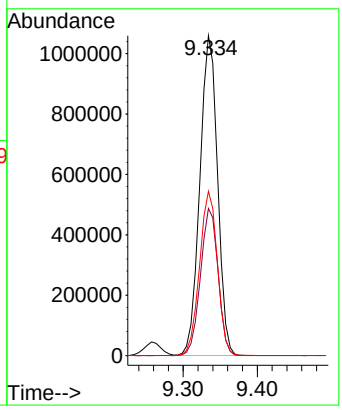


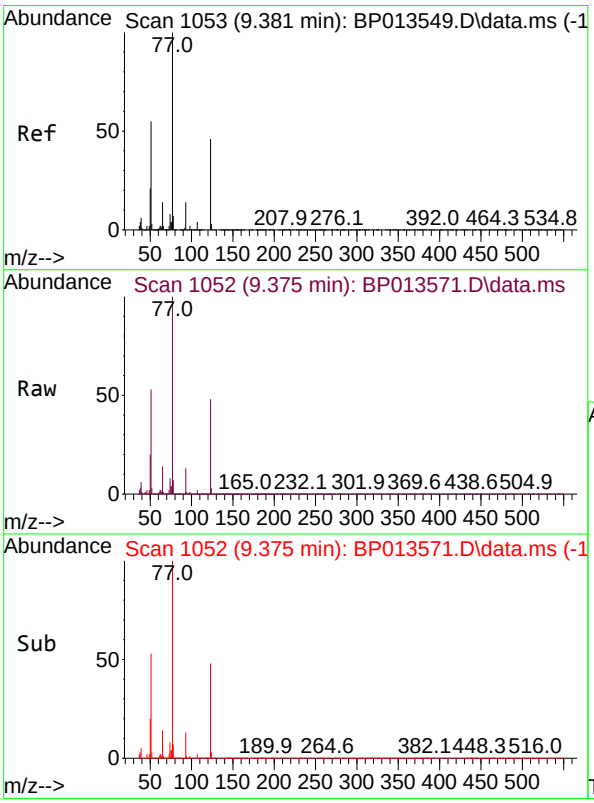
#23
Nitrobenzene-d5
Concen: 87.889 ng
RT: 9.334 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1757278

Ion	Ratio	Lower	Upper
82	100		
128	46.0	35.8	53.6
54	51.4	42.6	64.0

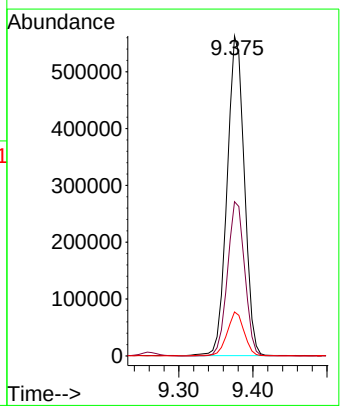


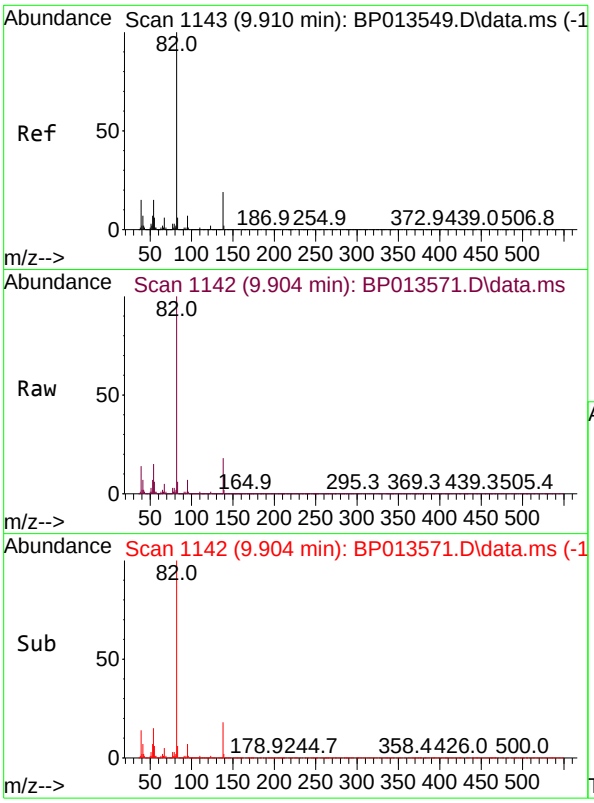


#24
Nitrobenzene
Concen: 42.241 ng
RT: 9.375 min Scan# 1052
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion: 77 Resp: 908102

Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.2	55.8
65	13.7	11.1	16.7



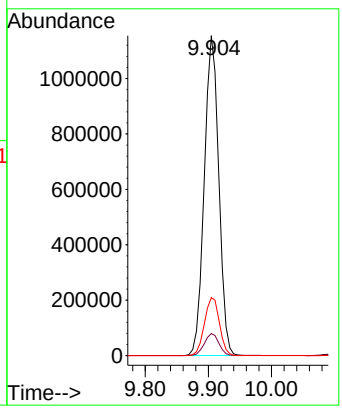


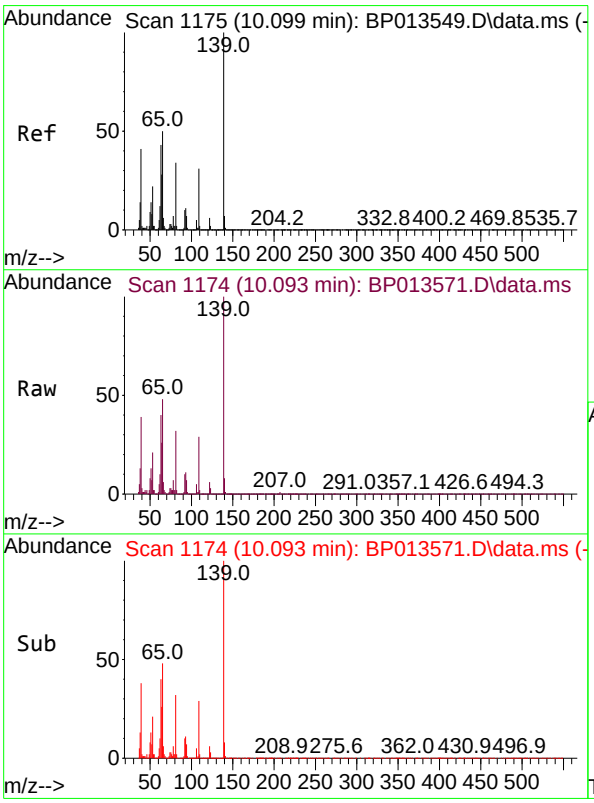
#25
Isophorone
Concen: 38.819 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1841008

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.8
138	18.1	15.1	22.7

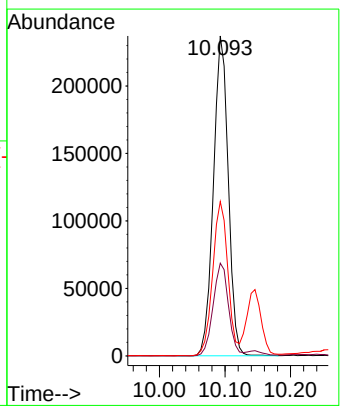


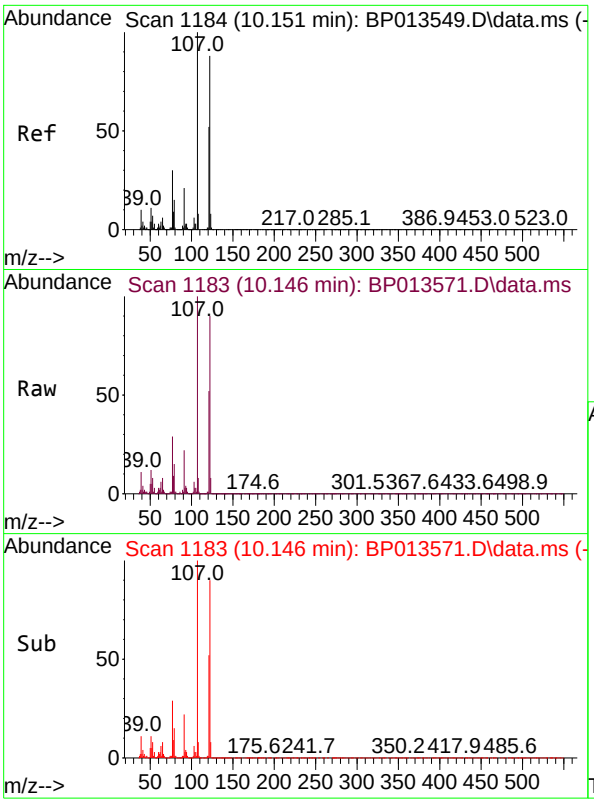


#26
2-Nitrophenol
Concen: 48.199 ng
RT: 10.093 min Scan# 1174
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:139 Resp: 374036

Ion	Ratio	Lower	Upper
139	100		
109	29.0	25.1	37.7
65	48.2	40.1	60.1



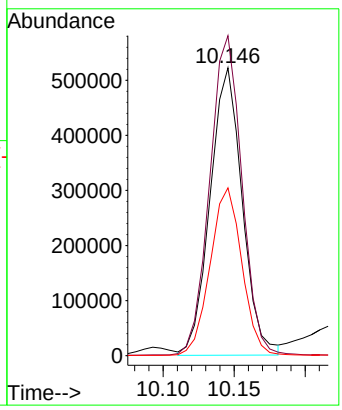


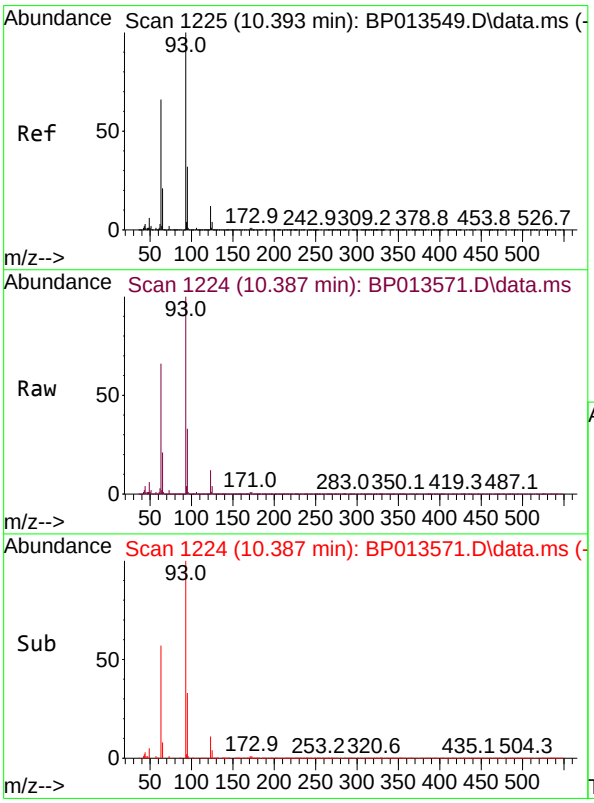
#27
2,4-Dimethylphenol
Concen: 40.144 ng
RT: 10.146 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 821831

Ion	Ratio	Lower	Upper
122	100		
107	111.2	90.7	136.1
121	58.3	47.0	70.4

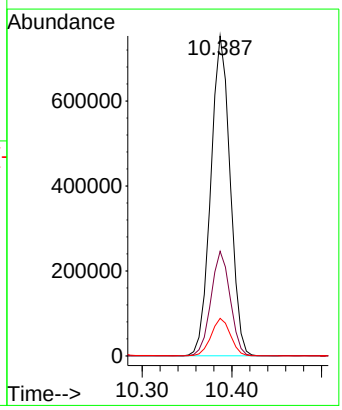


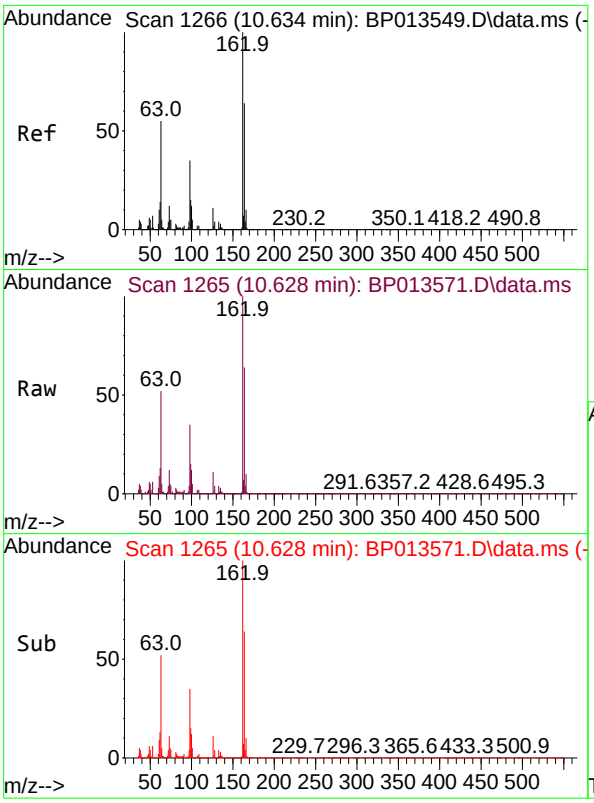


#28
bis(2-Chloroethoxy)methane
Concen: 39.512 ng
RT: 10.387 min Scan# 1224
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion: 93 Resp: 1129229

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.8
123	11.7	9.4	14.0



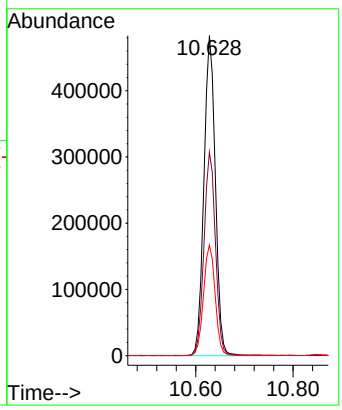


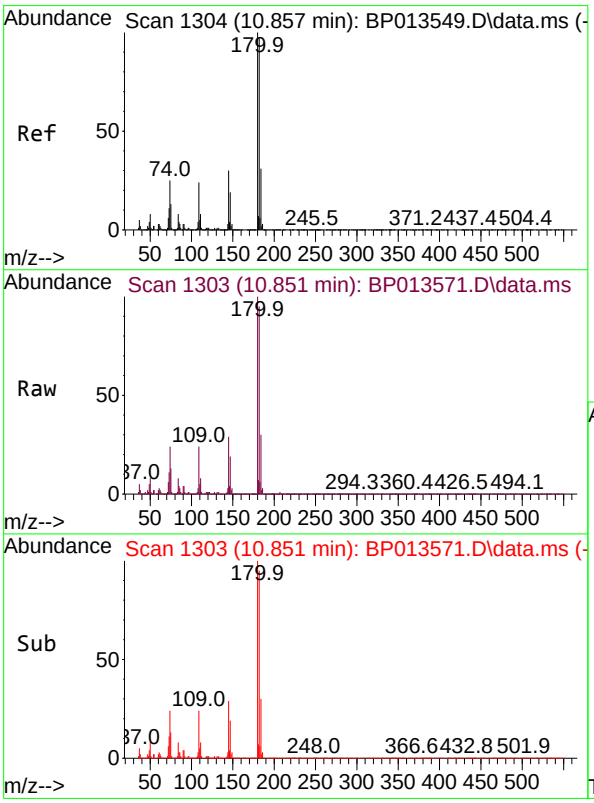
#29
2,4-Dichlorophenol
Concen: 41.944 ng
RT: 10.628 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 789841

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.3	84.3
98	34.5	15.3	55.3

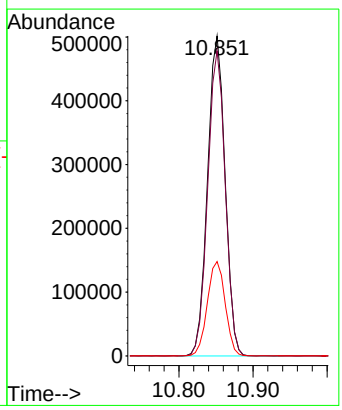


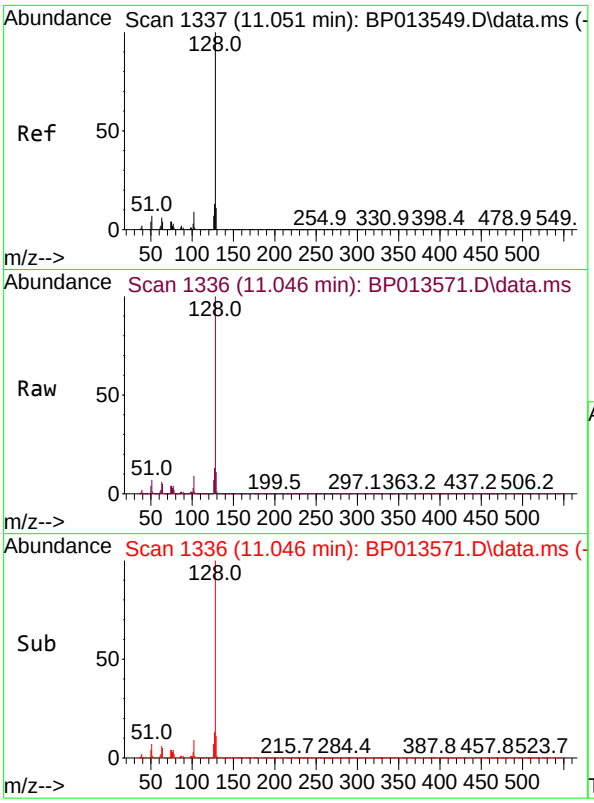


#30
1,2,4-Trichlorobenzene
Concen: 38.366 ng
RT: 10.851 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:180 Resp: 824483

Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.9	116.9
145	29.5	24.0	36.0



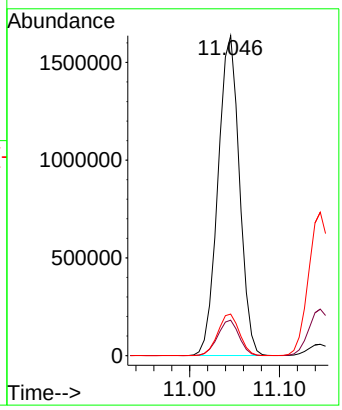


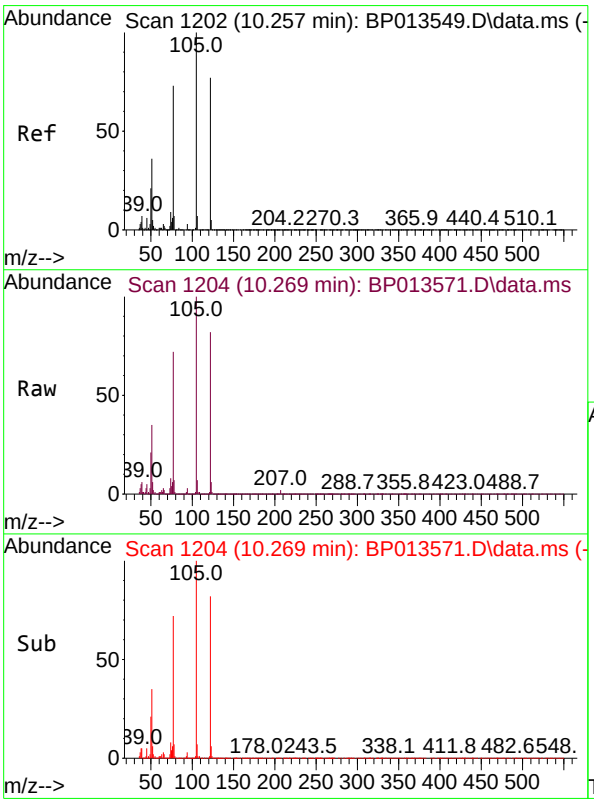
#31
Naphthalene
Concen: 38.438 ng
RT: 11.046 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2727667

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.5	12.7
127	13.0	10.6	16.0

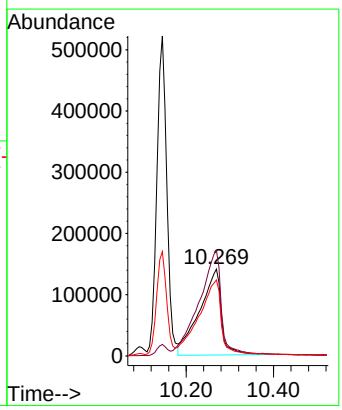


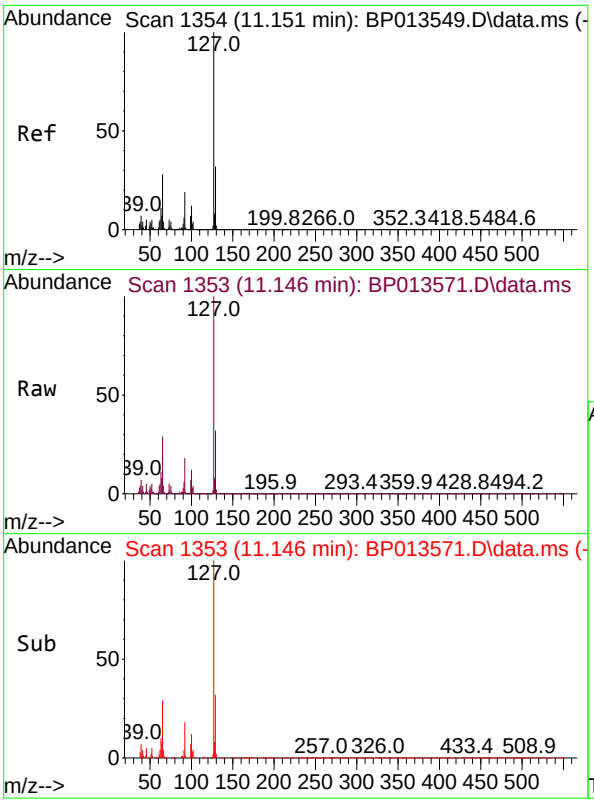


#32
Benzoic acid
Concen: 49.345 ng
RT: 10.269 min Scan# 1204
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:122 Resp: 488696

Ion	Ratio	Lower	Upper
122	100		
105	121.5	100.5	140.5
77	87.6	70.9	110.9



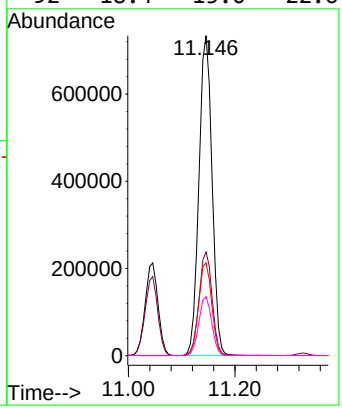


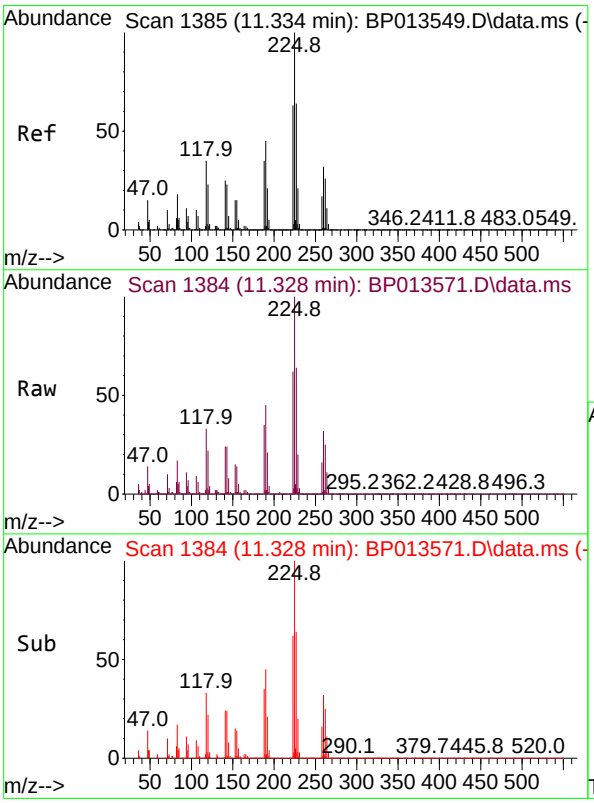
#33
4-Chloroaniline
Concen: 39.901 ng
RT: 11.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 1252849

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.7	38.5
65	29.0	22.7	34.1
92	18.4	15.0	22.6

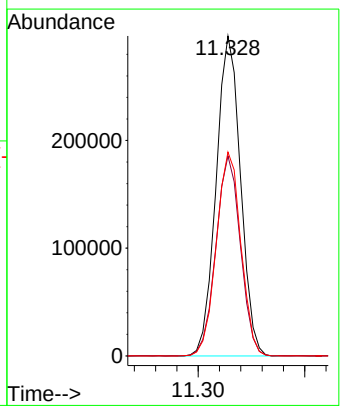


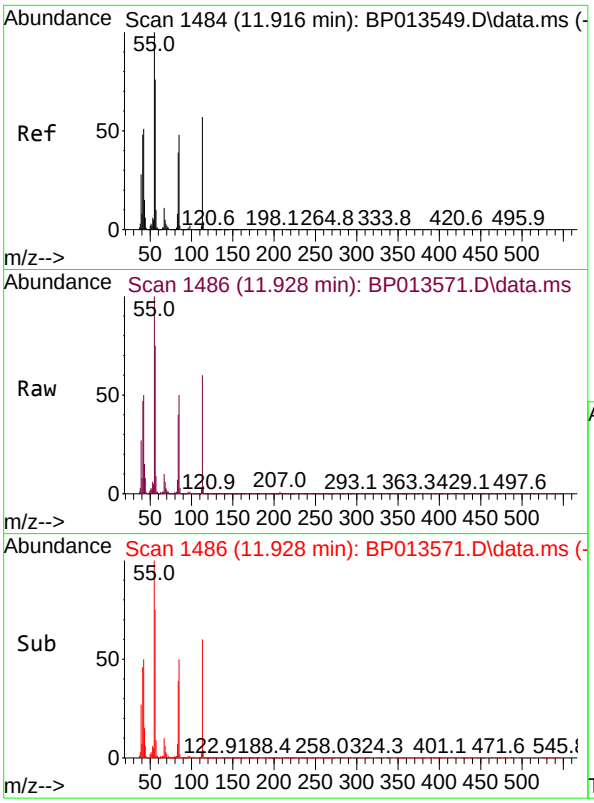


#34
Hexachlorobutadiene
Concen: 37.868 ng
RT: 11.328 min Scan# 1384
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:225 Resp: 473578

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.2	75.2
227	63.7	51.4	77.2



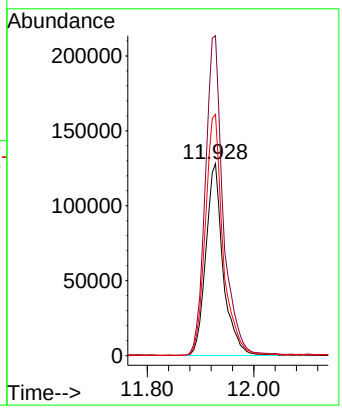


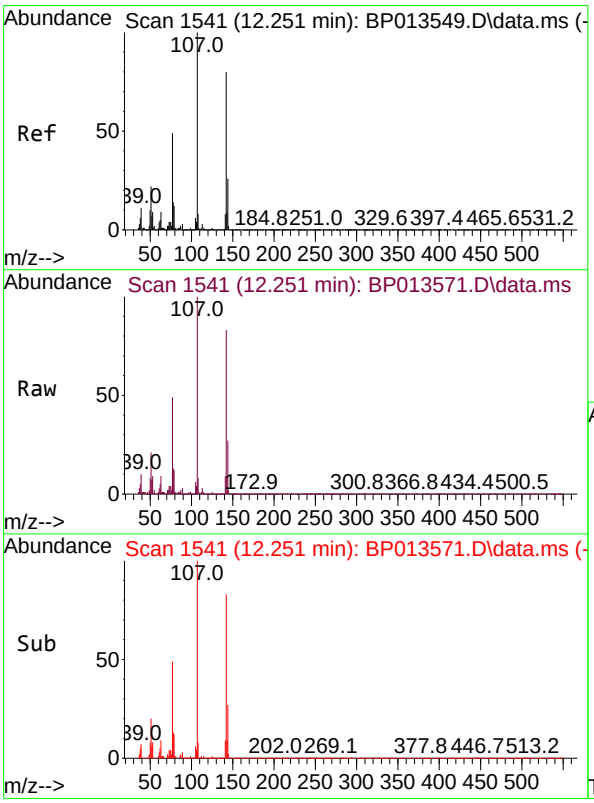
#35
Caprolactam
Concen: 47.340 ng
RT: 11.928 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 289017

Ion	Ratio	Lower	Upper
113	100		
55	166.6	156.5	196.5
56	125.6	113.5	153.5

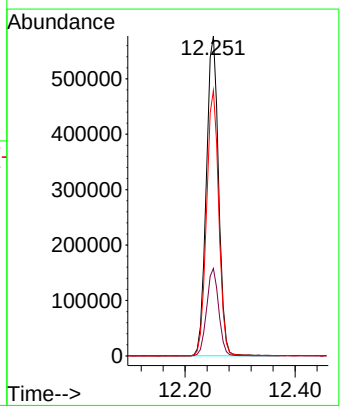


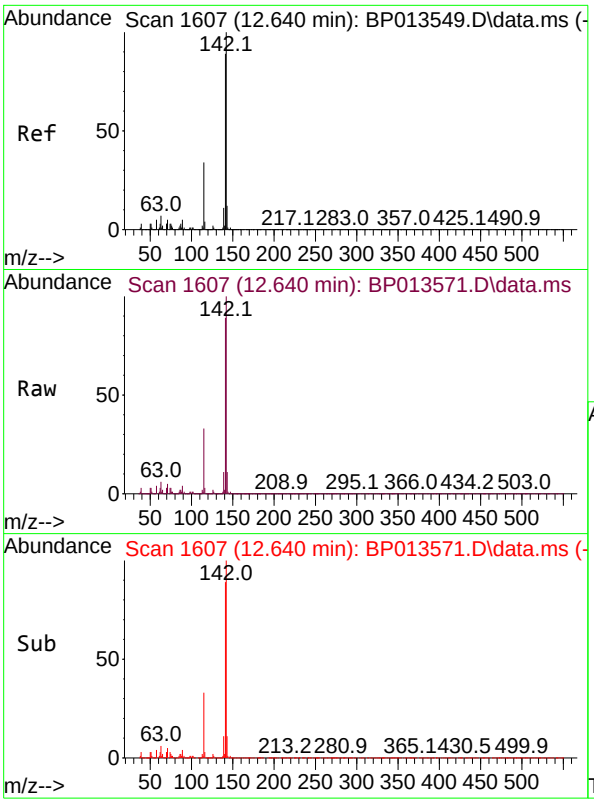


#36
4-Chloro-3-methylphenol
Concen: 43.614 ng
RT: 12.251 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:107 Resp: 894439

Ion	Ratio	Lower	Upper
107	100		
144	27.3	21.1	31.7
142	82.9	64.0	96.0



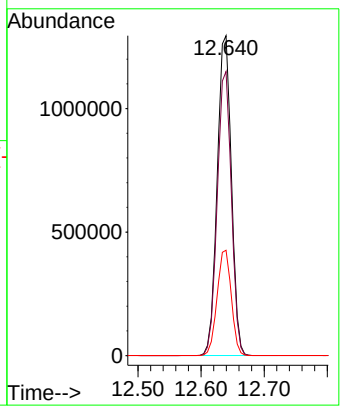


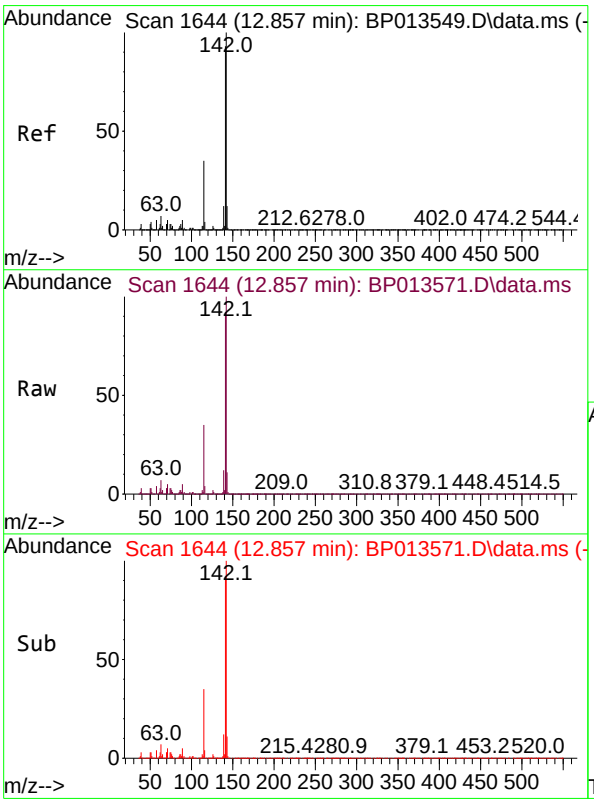
#37
2-Methylnaphthalene
Concen: 39.978 ng
RT: 12.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 2016496

Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.4	107.2
115	32.9	27.4	41.2

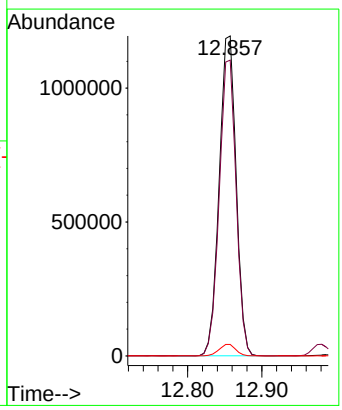


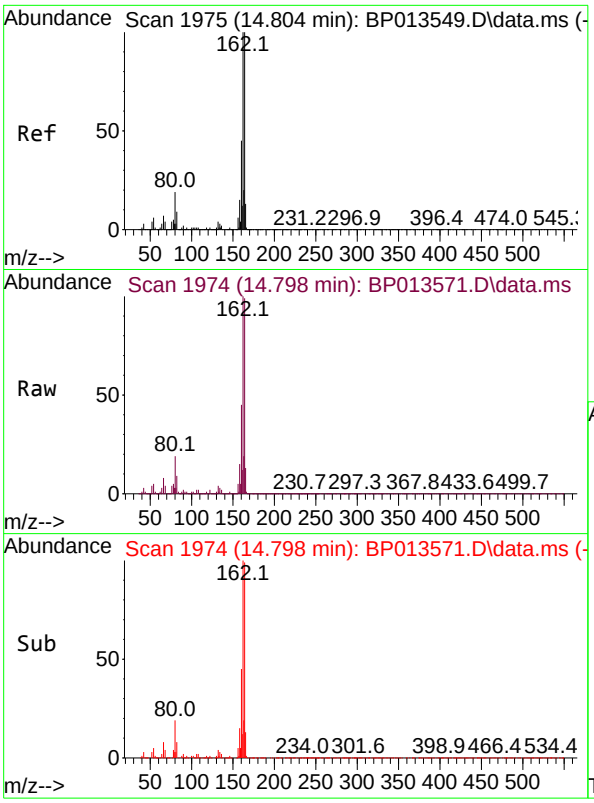


#38
1-Methylnaphthalene
Concen: 39.906 ng
RT: 12.857 min Scan# 1644
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:142 Resp: 1891404

Ion	Ratio	Lower	Upper
142	100		
141	92.4	74.3	111.5
116	3.6	3.0	4.6



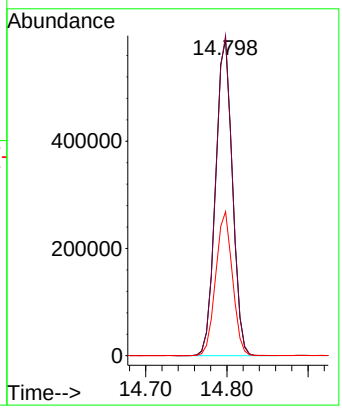


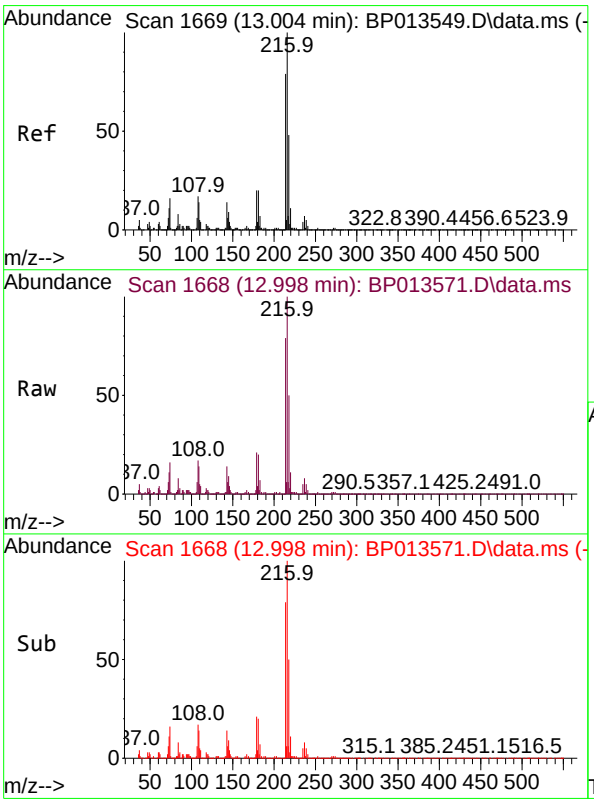
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.798 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 845480

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.1	120.1
160	45.6	35.9	53.9

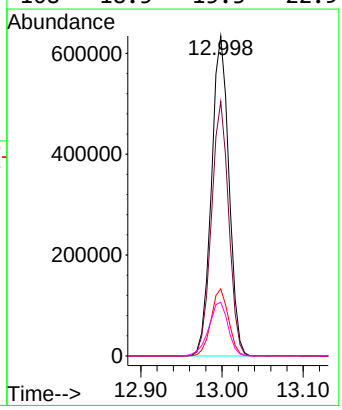


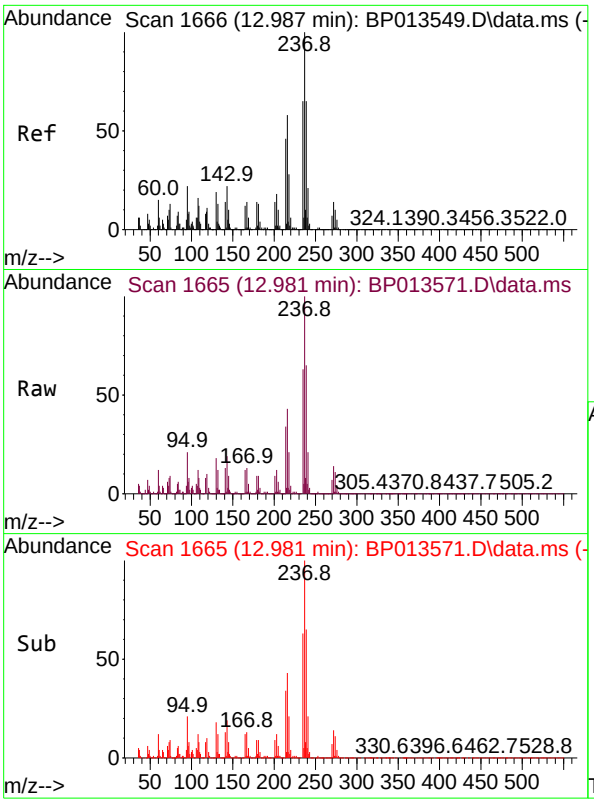


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.444 ng
RT: 12.998 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:216 Resp: 948623

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.9	94.3
179	20.8	16.6	24.8
108	18.5	15.3	22.9



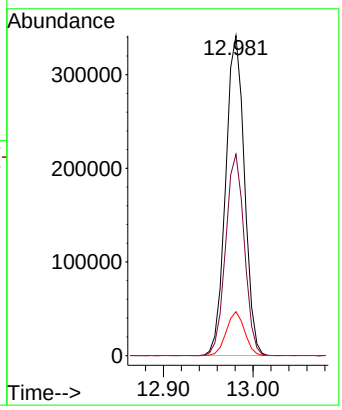


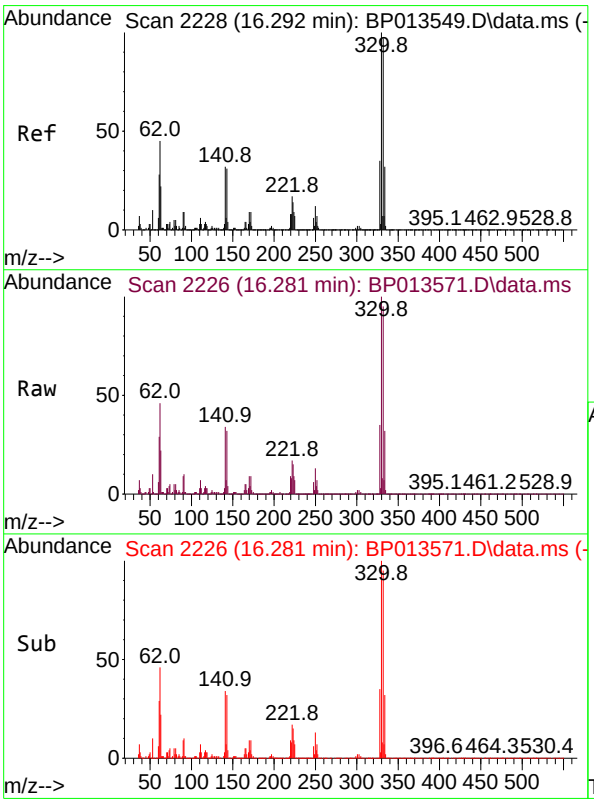
#41
Hexachlorocyclopentadiene
Concen: 38.629 ng
RT: 12.981 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 498883

Ion	Ratio	Lower	Upper
237	100		
235	62.9	44.6	84.6
272	13.7	0.0	33.9

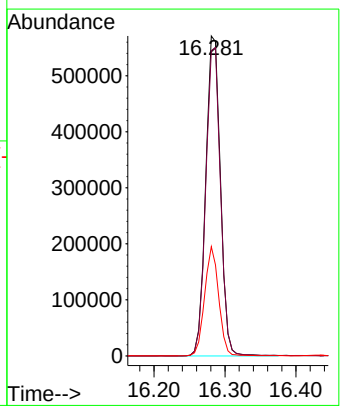


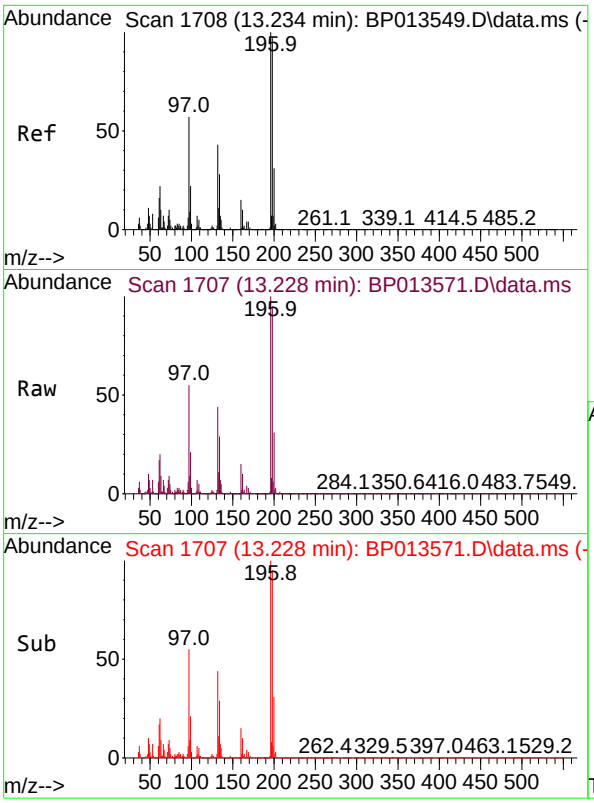


#42
2,4,6-Tribromophenol
Concen: 95.975 ng
RT: 16.281 min Scan# 2226
Delta R.T. -0.006 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:330 Resp: 813922

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.2
141	32.7	27.6	41.4



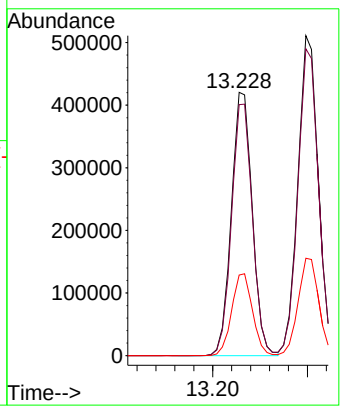


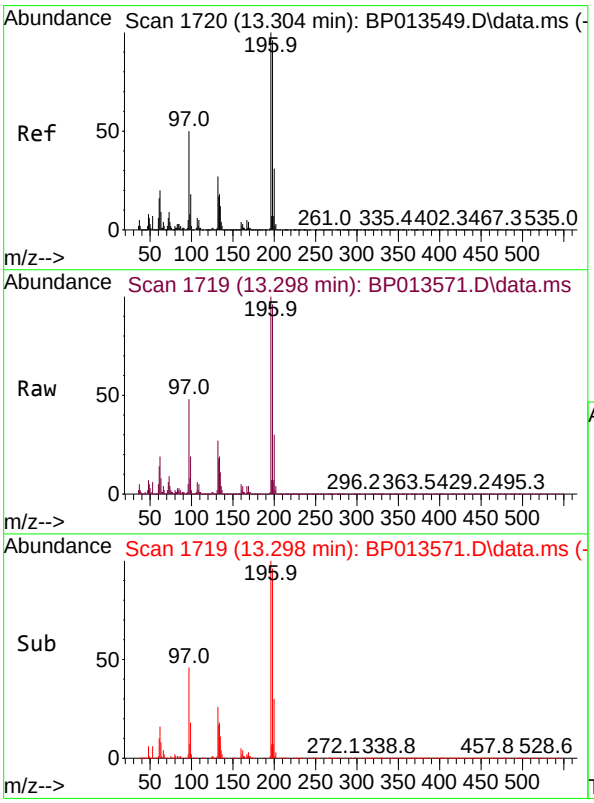
#43
2,4,6-Trichlorophenol
Concen: 42.355 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 645258

Ion	Ratio	Lower	Upper
196	100		
198	95.3	77.3	115.9
200	30.6	24.6	36.8

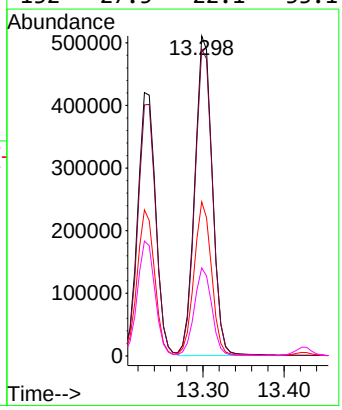


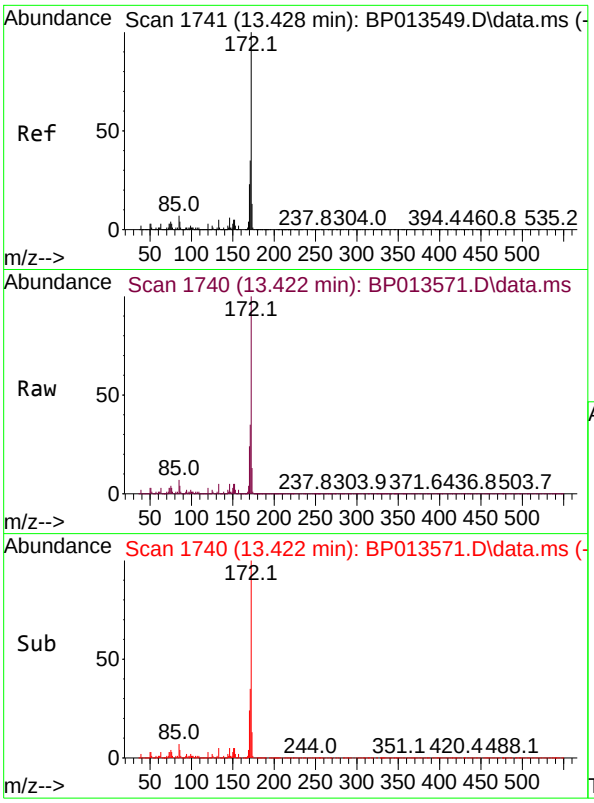


#44
2,4,5-Trichlorophenol
Concen: 42.530 ng
RT: 13.298 min Scan# 1719
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:196 Resp: 765637

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.7	115.1
97	48.1	40.0	60.0
132	27.5	22.1	33.1



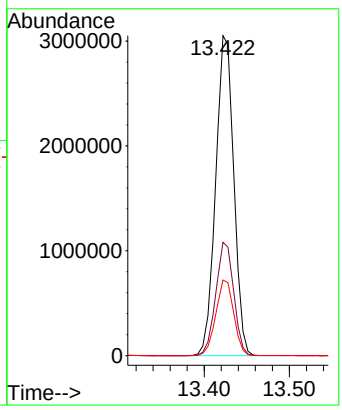


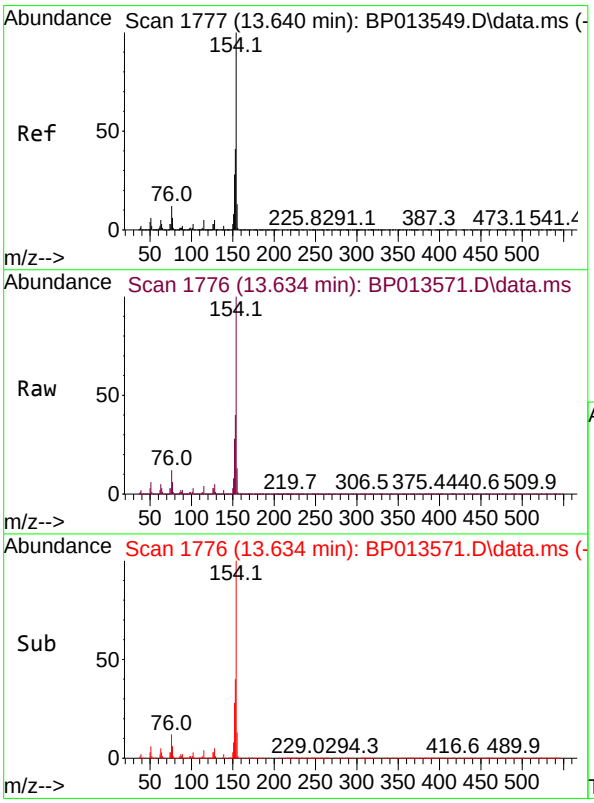
#45
2-Fluorobiphenyl
Concen: 73.084 ng
RT: 13.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 4501608

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.8	41.8
170	23.6	18.6	27.8

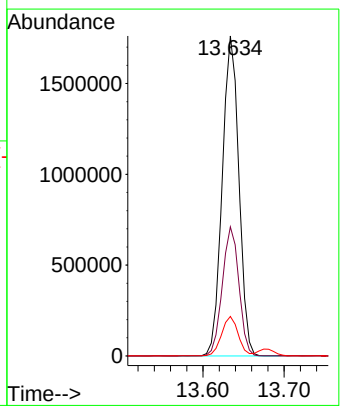


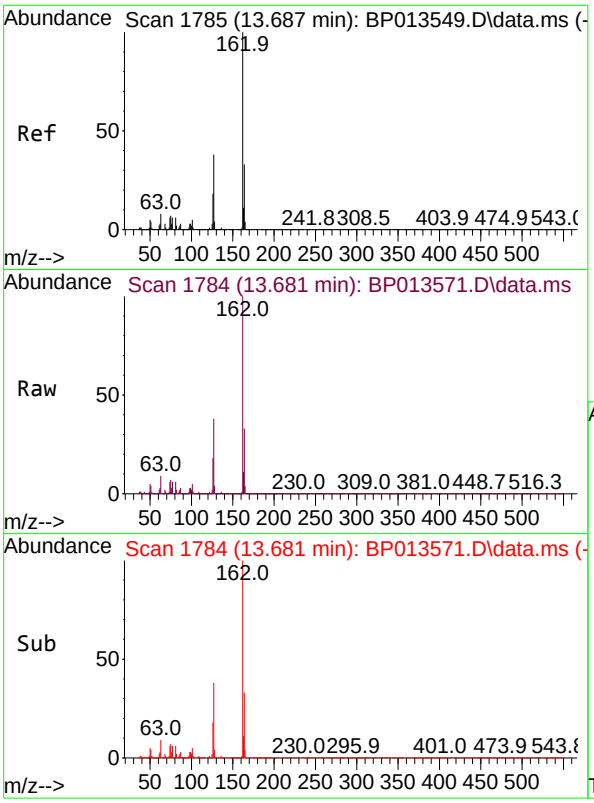


#46
1,1'-Biphenyl
Concen: 36.857 ng
RT: 13.634 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:154 Resp: 2502661

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.5	60.5
76	12.3	0.0	32.1



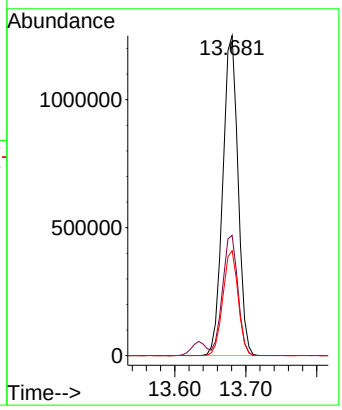


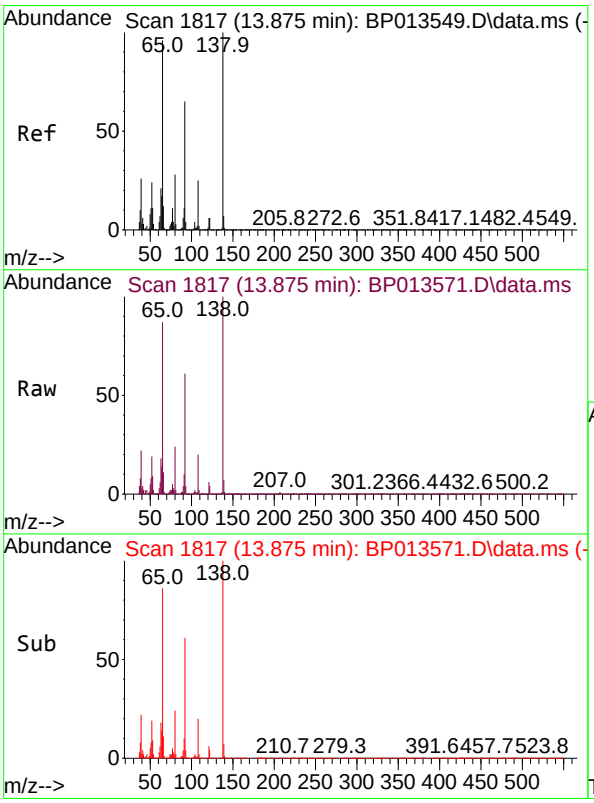
#47
2-Chloronaphthalene
Concen: 36.698 ng
RT: 13.681 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1866810

Ion	Ratio	Lower	Upper
162	100		
127	37.6	30.8	46.2
164	32.8	26.2	39.2

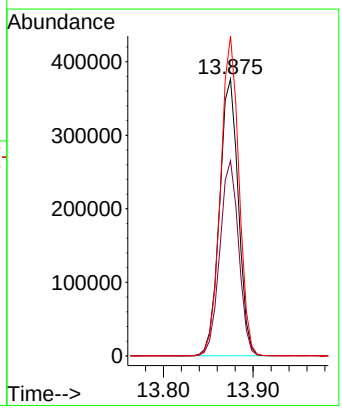


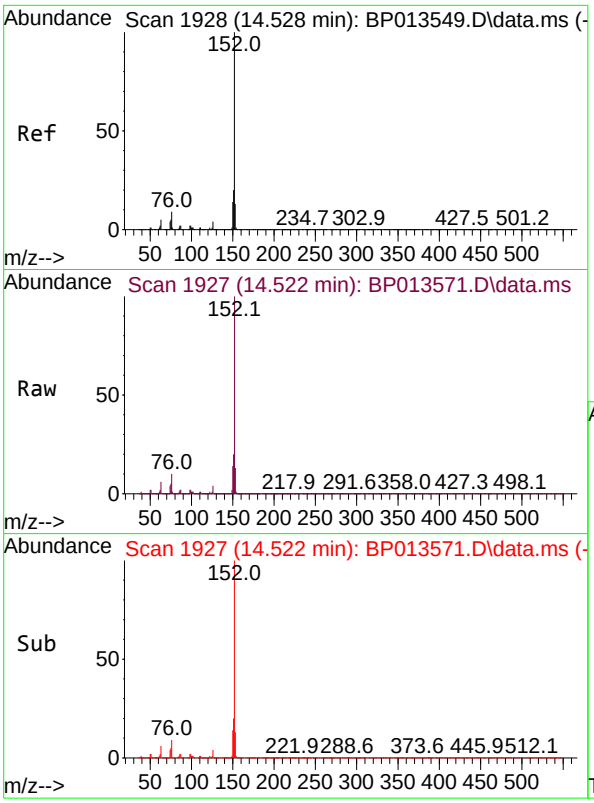


#48
2-Nitroaniline
Concen: 43.909 ng
RT: 13.875 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion: 65 Resp: 550826

Ion	Ratio	Lower	Upper
65	100		
92	70.4	54.1	81.1
138	115.6	83.6	125.4



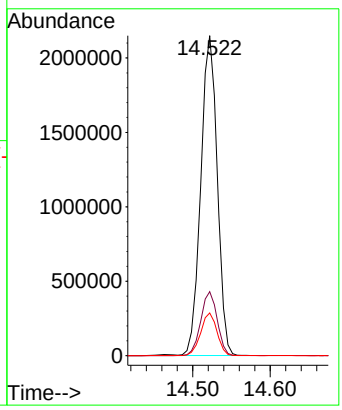


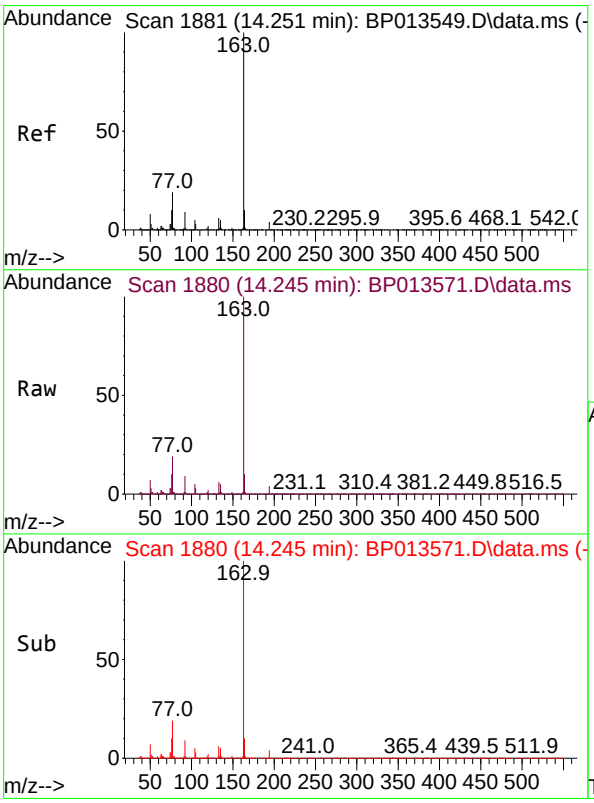
#49
Acenaphthylene
Concen: 38.102 ng
RT: 14.522 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 3169706

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.1	24.1
153	13.3	10.1	15.1

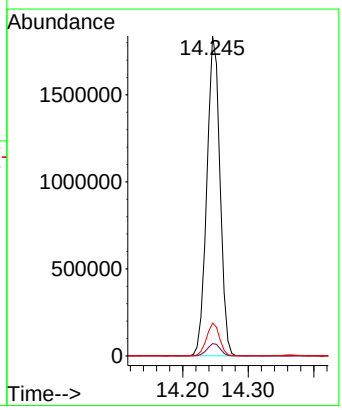


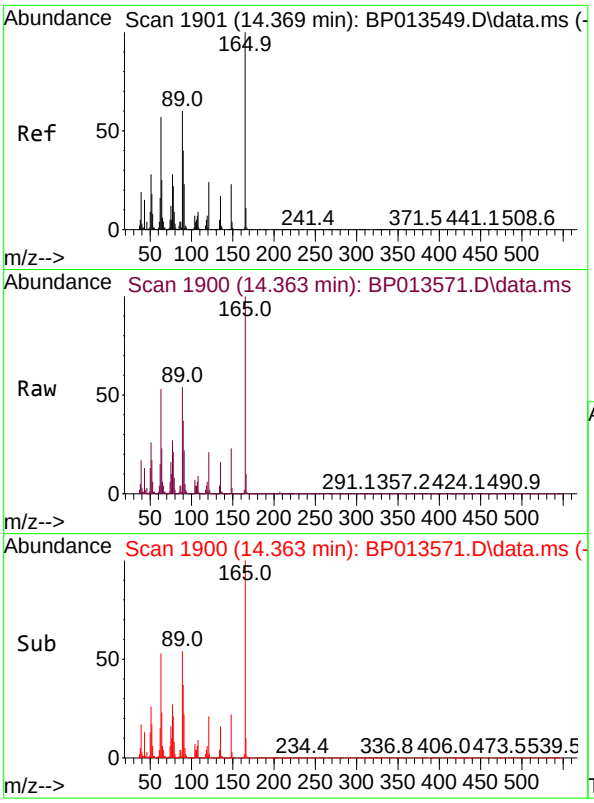


#50
Dimethylphthalate
Concen: 40.475 ng
RT: 14.245 min Scan# 1880
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:163 Resp: 2543784

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	10.2	8.1	12.1



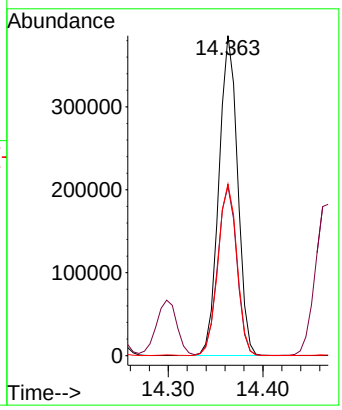


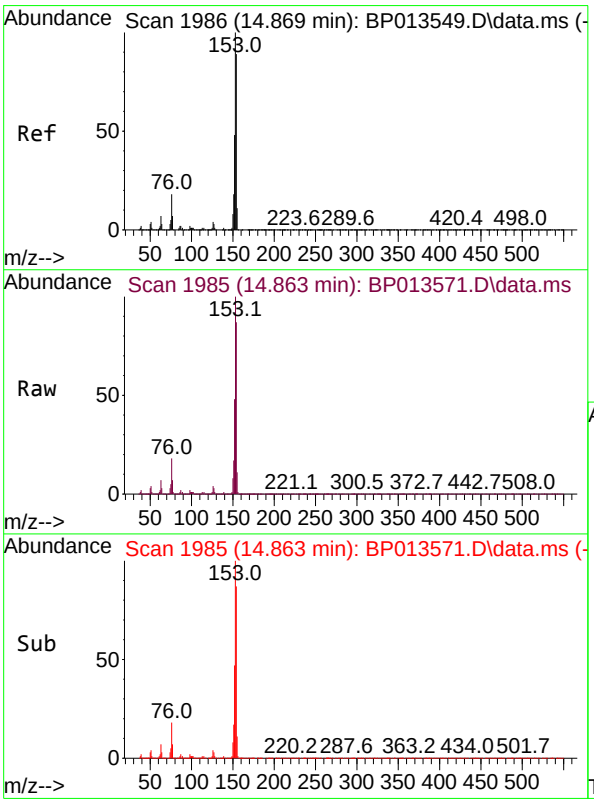
#51
2,6-Dinitrotoluene
Concen: 43.626 ng
RT: 14.363 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 529259

Ion	Ratio	Lower	Upper
165	100		
63	52.9	47.2	70.8
89	53.6	47.8	71.6

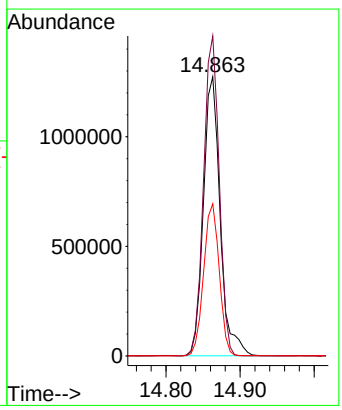


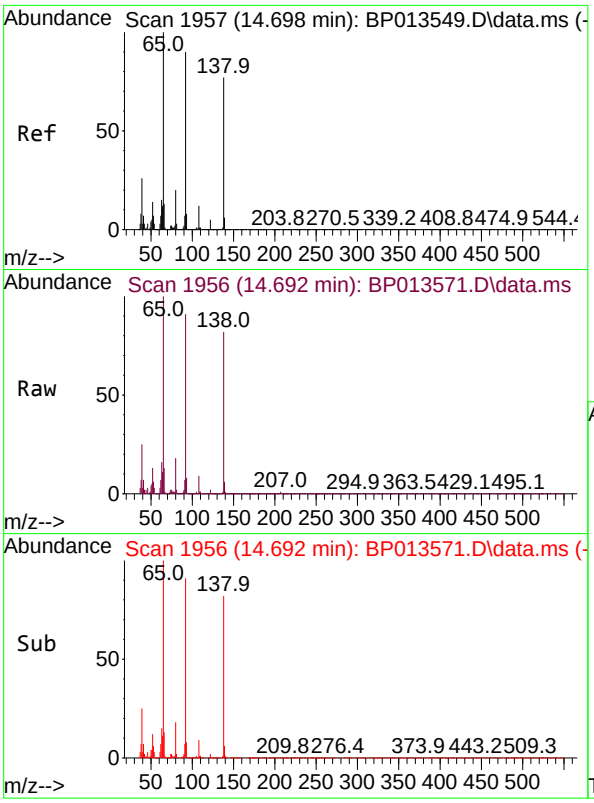


#52
Acenaphthene
Concen: 38.921 ng
RT: 14.863 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:154 Resp: 2000093

Ion	Ratio	Lower	Upper
154	100		
153	114.6	89.4	134.0
152	54.5	42.7	64.1



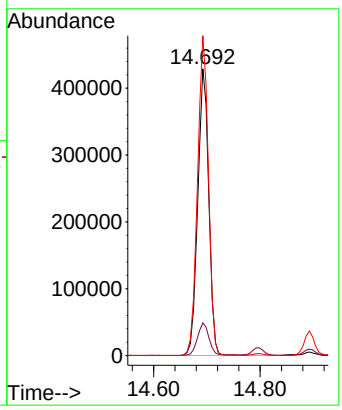


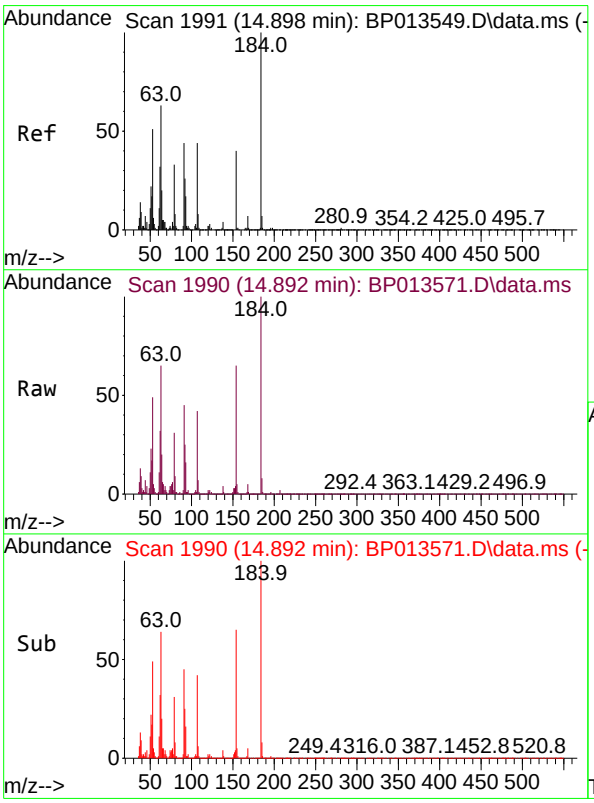
#53
3-Nitroaniline
Concen: 43.986 ng
RT: 14.692 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 610818

Ion	Ratio	Lower	Upper
138	100		
108	11.4	12.8	19.2#
92	111.6	93.3	139.9

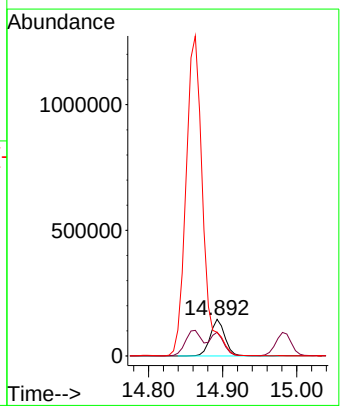


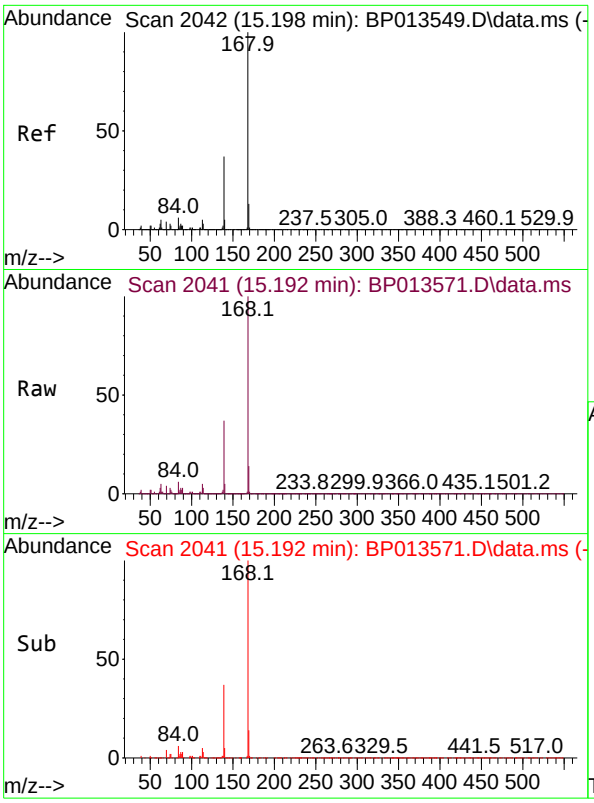


#54
2,4-Dinitrophenol
Concen: 56.351 ng
RT: 14.892 min Scan# 1990
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:184 Resp: 198862

Ion	Ratio	Lower	Upper
184	100		
63	64.7	53.2	79.8
154	64.8	54.4	81.6



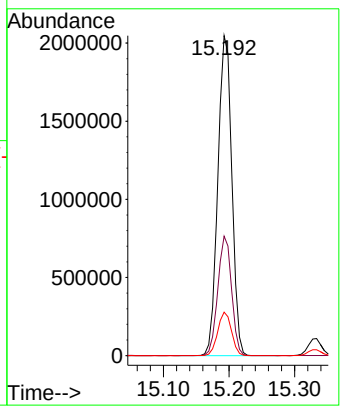


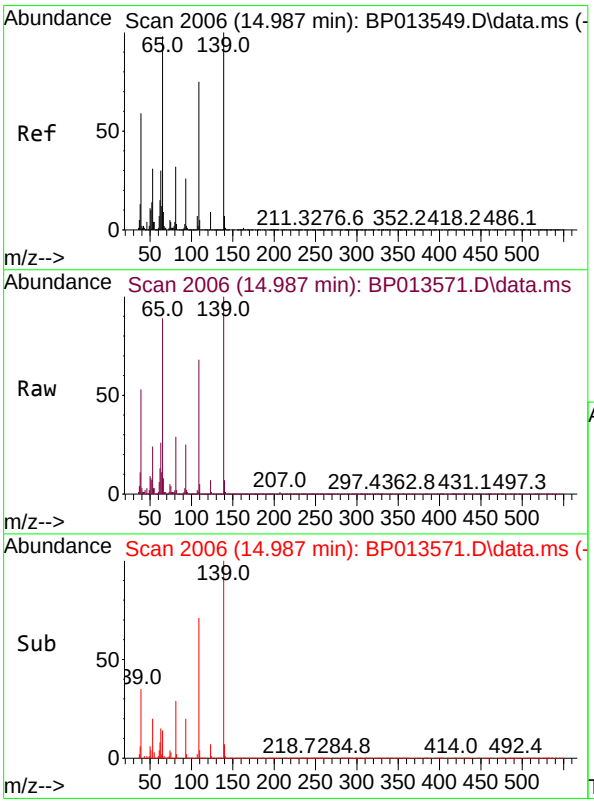
#55
Dibenzofuran
Concen: 38.570 ng
RT: 15.192 min Scan# 20
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 3039348

Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.9	44.9
169	13.6	10.7	16.1

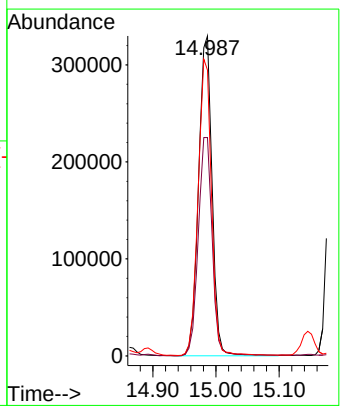


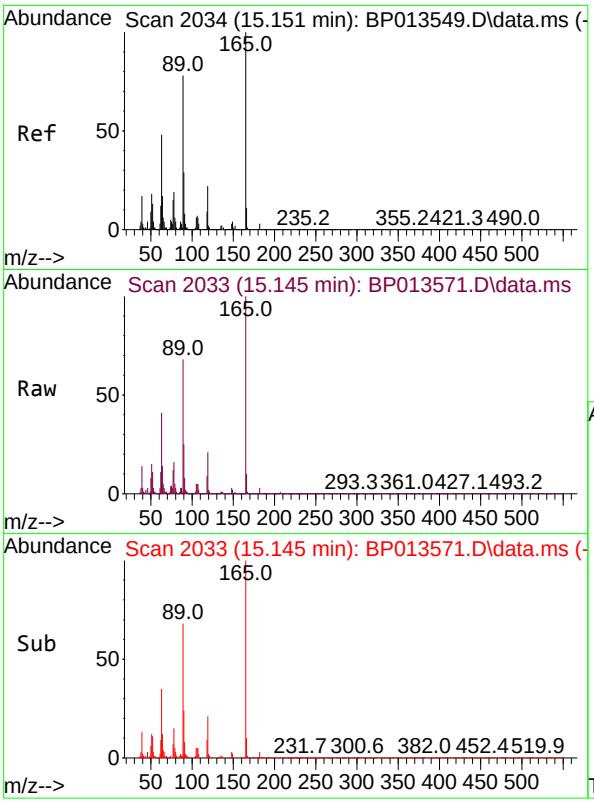


#56
4-Nitrophenol
Concen: 47.976 ng
RT: 14.987 min Scan# 2006
Delta R.T. 0.006 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:139 Resp: 487069

Ion	Ratio	Lower	Upper
139	100		
109	68.2	55.0	95.0
65	89.3	77.7	117.7



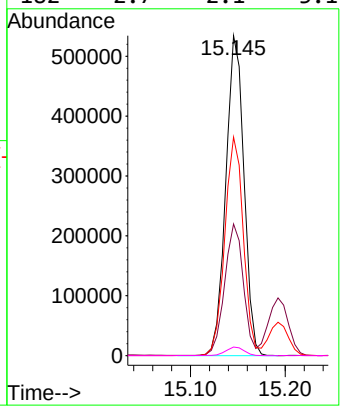


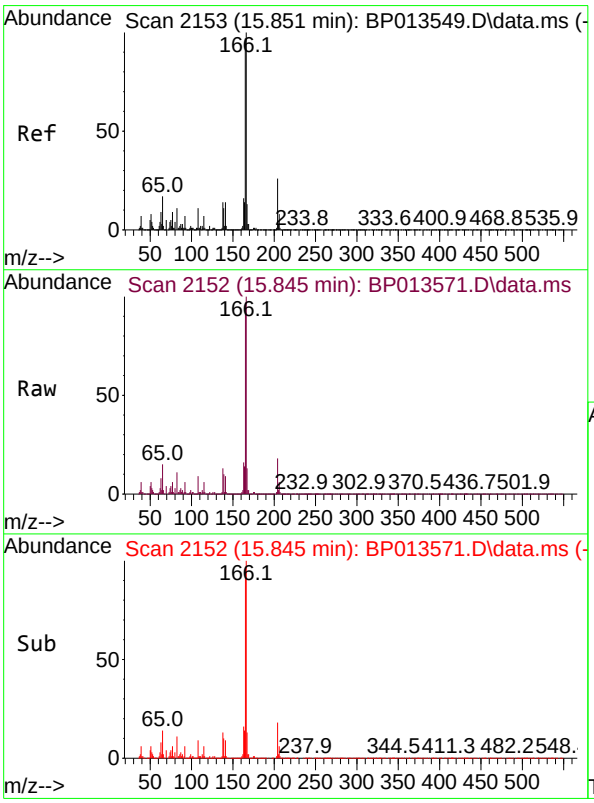
#57
2,4-Dinitrotoluene
Concen: 48.771 ng
RT: 15.145 min Scan# 20
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 711855

Ion	Ratio	Lower	Upper
165	100		
63	41.1	38.3	57.5
89	68.3	62.1	93.1
182	2.7	2.1	3.1

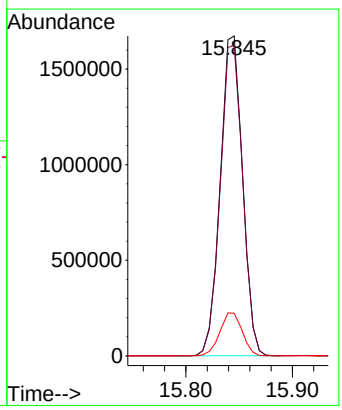


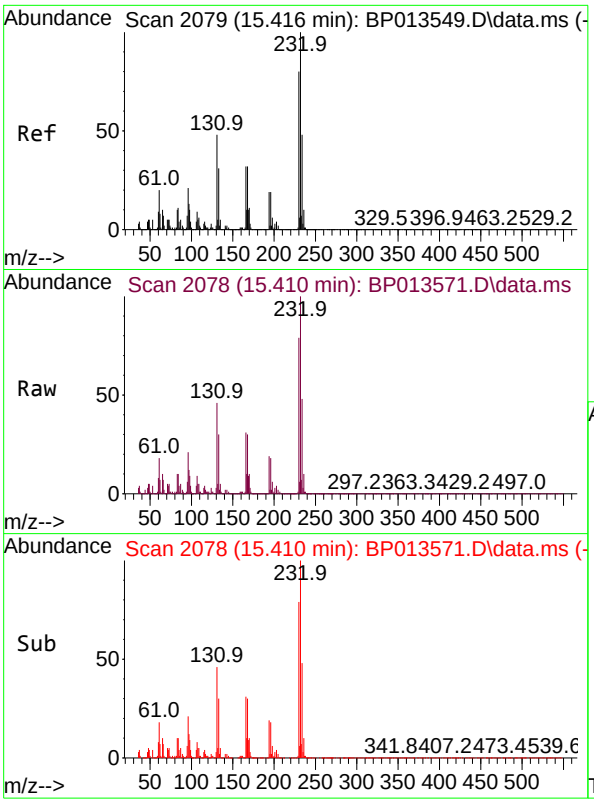


#58
Fluorene
Concen: 38.957 ng
RT: 15.845 min Scan# 2152
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:166 Resp: 2439929

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.8	116.8
167	13.3	10.7	16.1



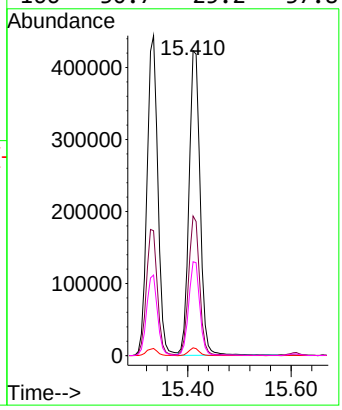


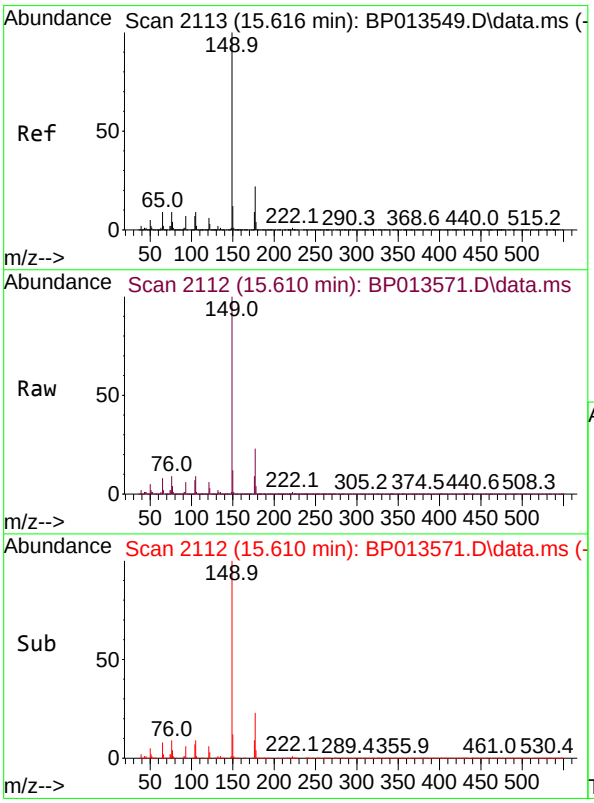
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.624 ng
RT: 15.410 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 630666

Ion	Ratio	Lower	Upper
232	100		
131	45.3	37.1	55.7
130	2.4	1.9	2.9
166	30.7	25.2	37.8

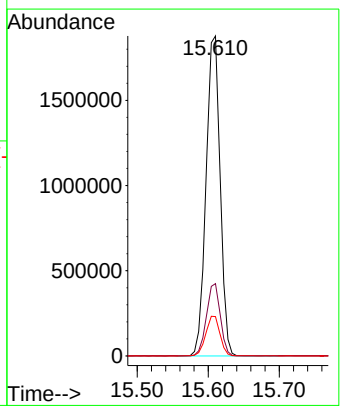


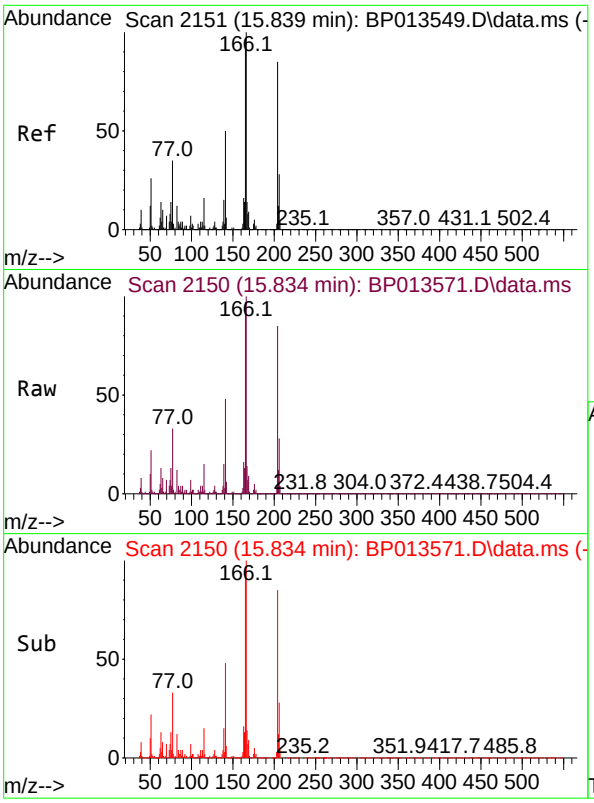


#60
Diethylphthalate
Concen: 41.887 ng
RT: 15.610 min Scan# 2112
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:149 Resp: 2571209

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.8	26.6
150	12.3	9.8	14.6



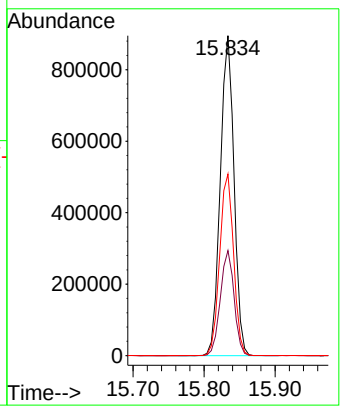


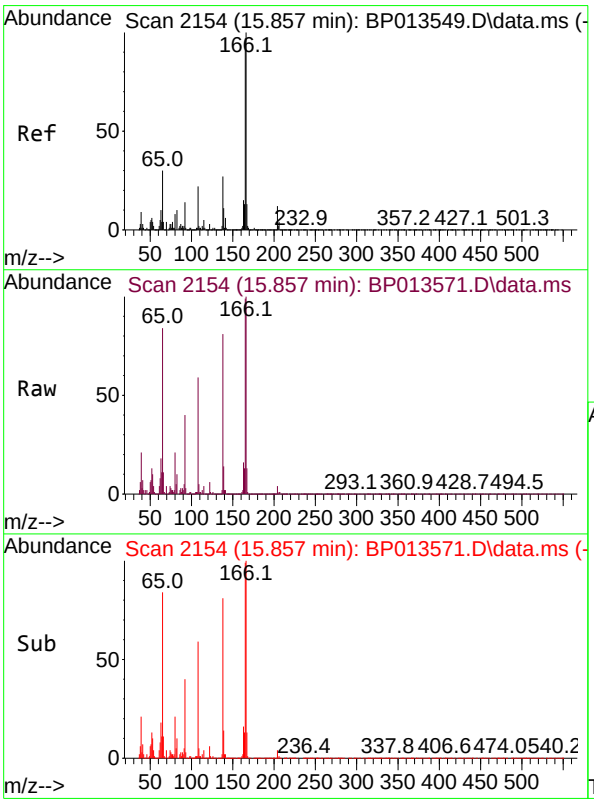
#61
4-Chlorophenyl-phenylether
Concen: 39.100 ng
RT: 15.834 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 1204164

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.6	39.8
141	56.7	47.0	70.4

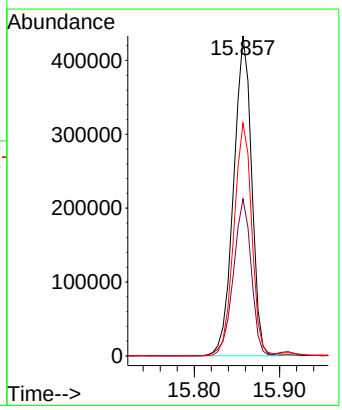


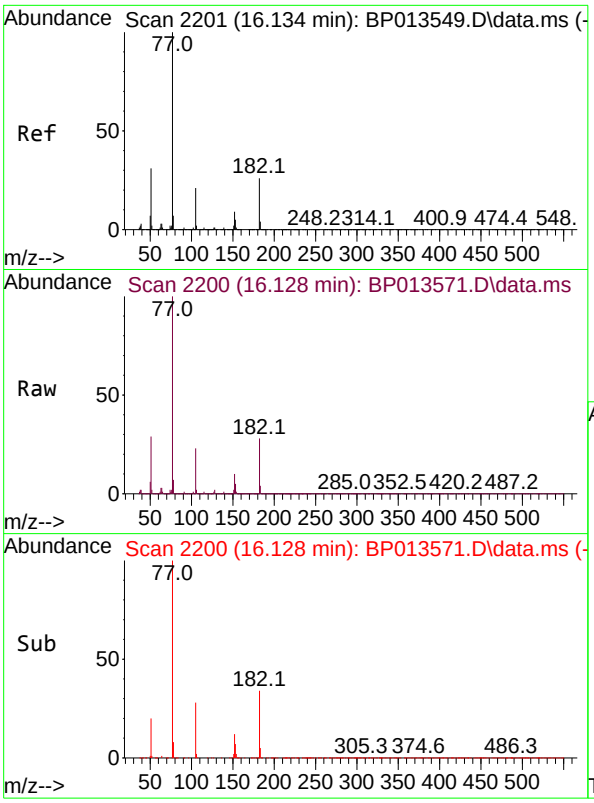


#62
4-Nitroaniline
Concen: 47.406 ng
RT: 15.857 min Scan# 2154
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:138 Resp: 636072

Ion	Ratio	Lower	Upper
138	100		
92	49.0	32.3	72.3
108	72.7	59.2	99.2



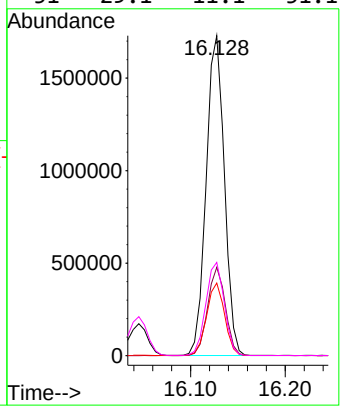


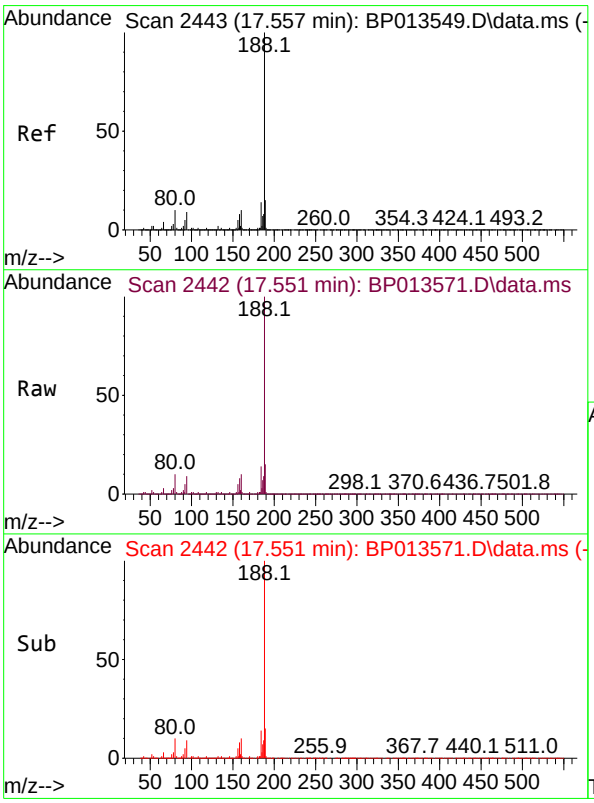
#63
Azobenzene
Concen: 38.742 ng
RT: 16.128 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 2310852

Ion	Ratio	Lower	Upper
77	100		
182	27.6	5.5	45.5
105	22.7	1.4	41.4
51	29.1	11.1	51.1

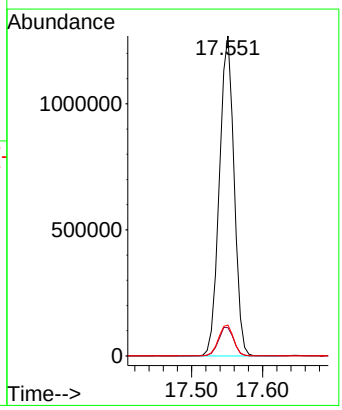


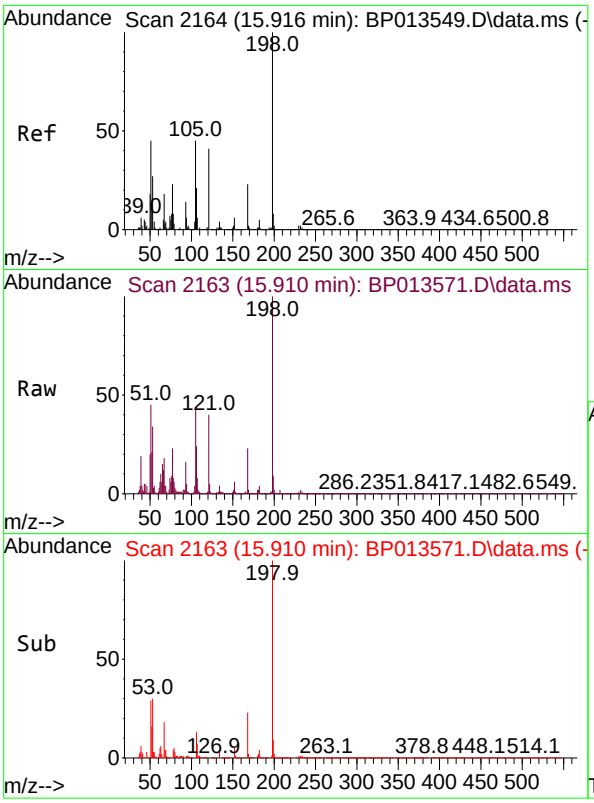


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.551 min Scan# 2442
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:188 Resp: 1830854

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.2	10.8
80	9.6	8.2	12.2



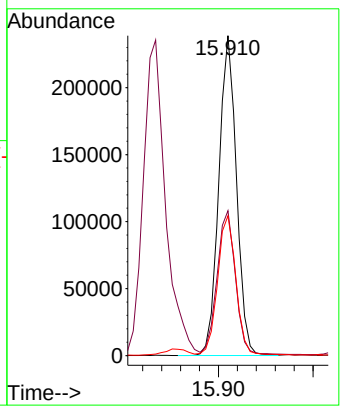


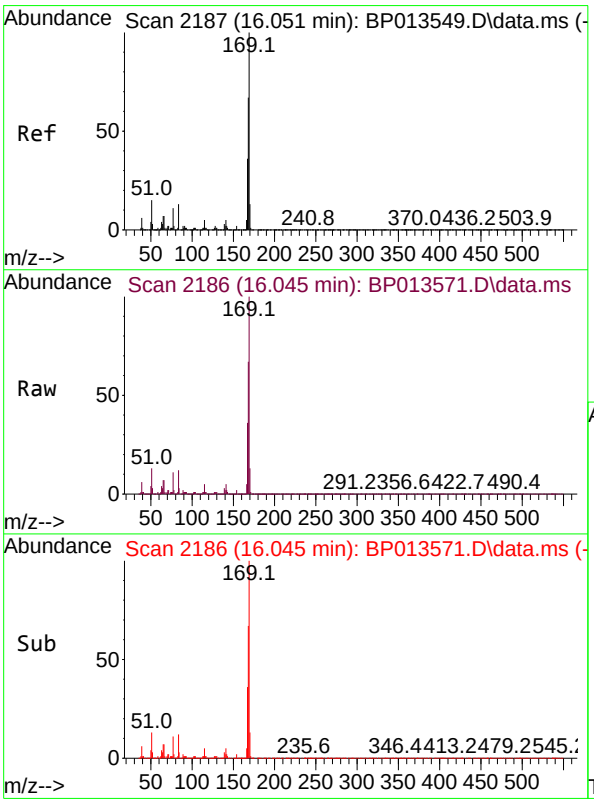
#65
4,6-Dinitro-2-methylphenol
Concen: 51.694 ng
RT: 15.910 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 308703

Ion	Ratio	Lower	Upper
198	100		
51	45.3	30.4	70.4
105	43.7	26.4	66.4

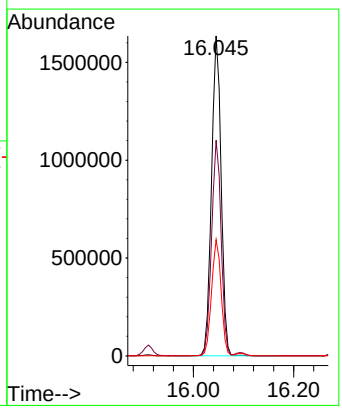


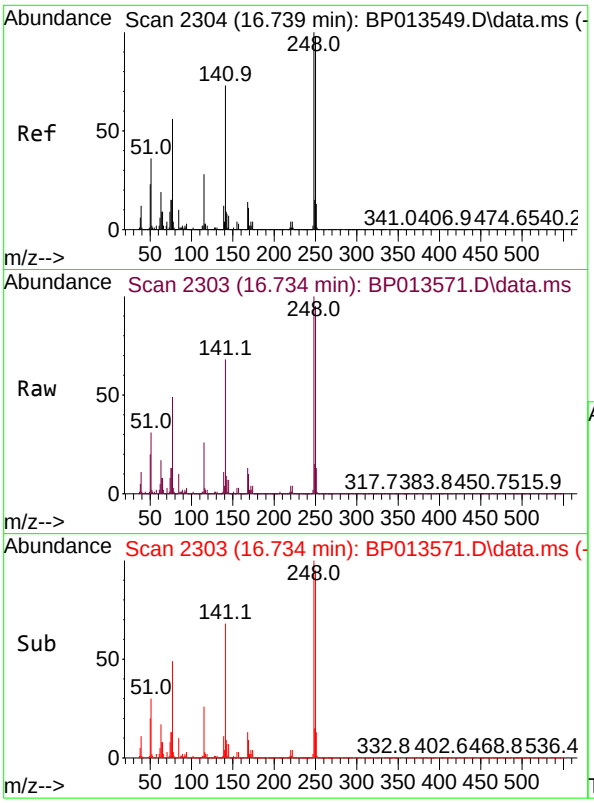


#66
n-Nitrosodiphenylamine
Concen: 36.261 ng
RT: 16.045 min Scan# 2186
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:169 Resp: 2165027

Ion	Ratio	Lower	Upper
169	100		
168	67.4	54.0	81.0
167	36.3	29.0	43.6



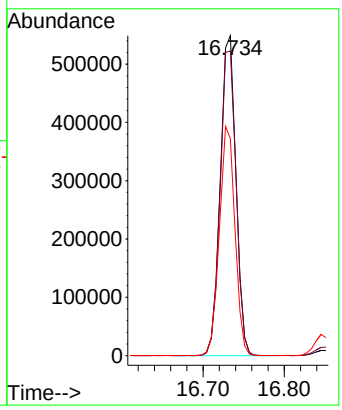


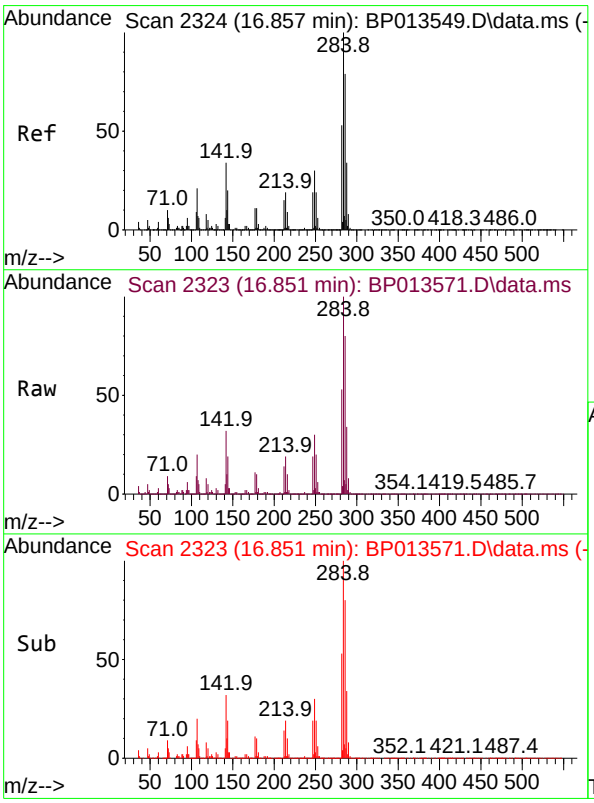
#67
4-Bromophenyl-phenylether
Concen: 36.200 ng
RT: 16.734 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 734142

Ion	Ratio	Lower	Upper
248	100		
250	95.2	78.1	117.1
141	67.8	58.1	87.1

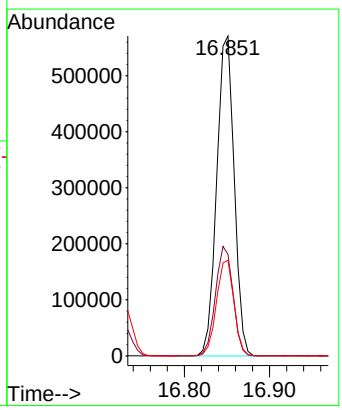


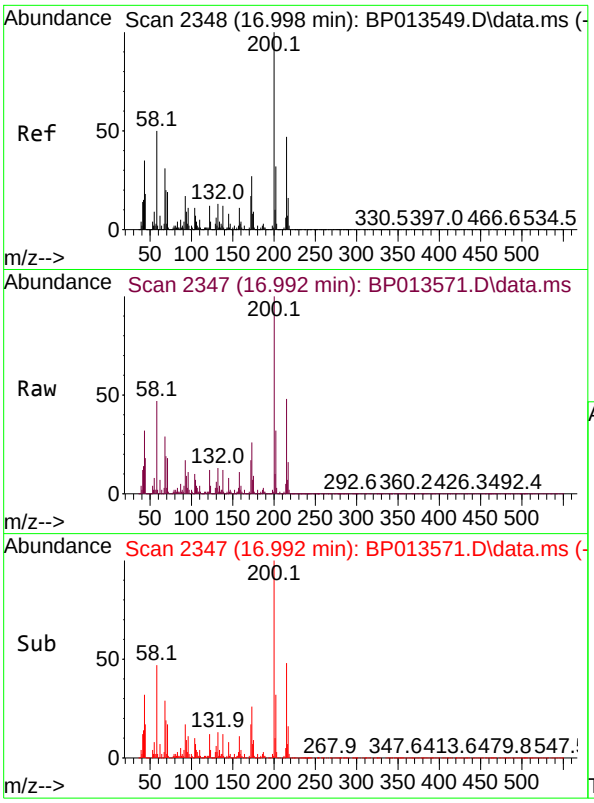


#68
Hexachlorobenzene
Concen: 37.067 ng
RT: 16.851 min Scan# 2323
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:284 Resp: 811990

Ion	Ratio	Lower	Upper
284	100		
142	31.7	27.3	40.9
249	29.9	24.0	36.0



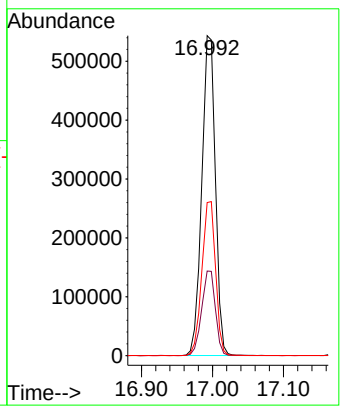


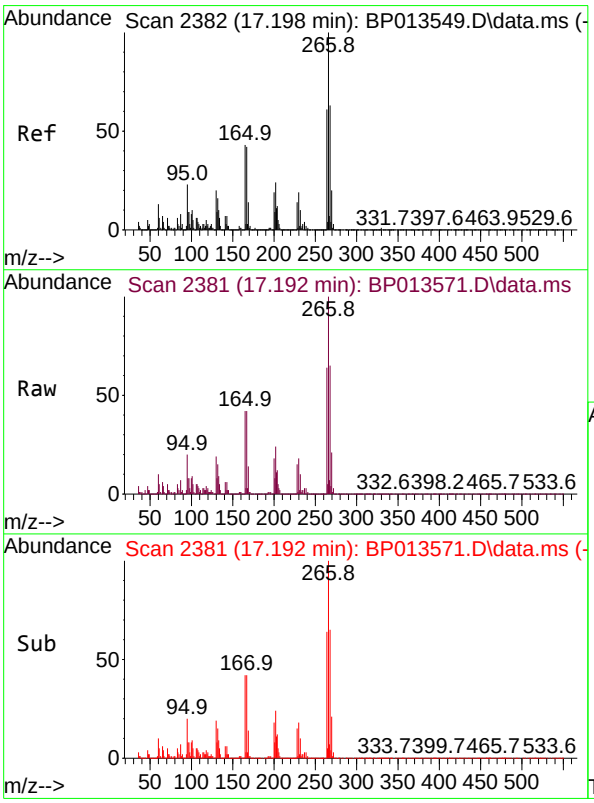
#69
Atrazine
Concen: 42.129 ng
RT: 16.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 719707

Ion	Ratio	Lower	Upper
200	100		
173	26.5	7.2	47.2
215	47.8	27.3	67.3

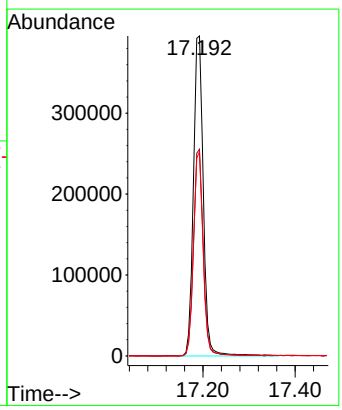


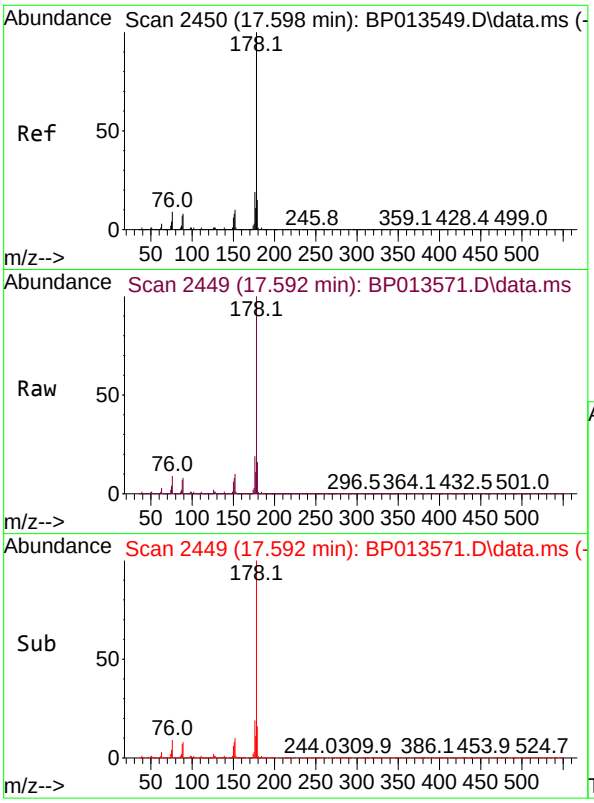


#70
Pentachlorophenol
Concen: 42.768 ng
RT: 17.192 min Scan# 2381
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:266 Resp: 586444

Ion	Ratio	Lower	Upper
266	100		
268	64.6	50.7	76.1
264	63.8	48.9	73.3



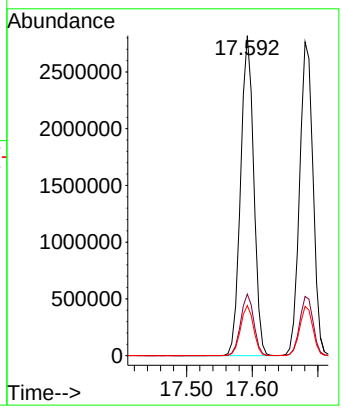


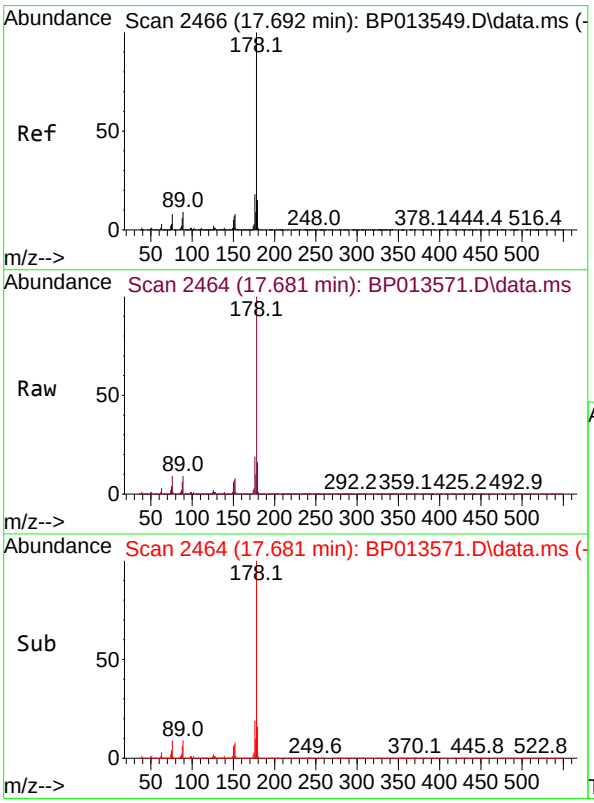
#71
Phenanthrene
Concen: 38.150 ng
RT: 17.592 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 3886176

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.6	12.2	18.4

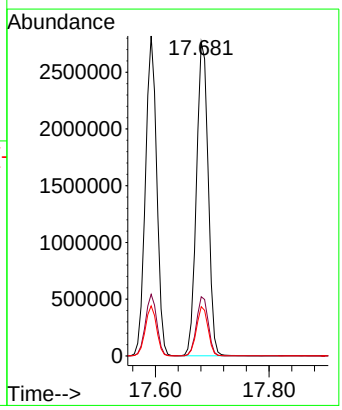


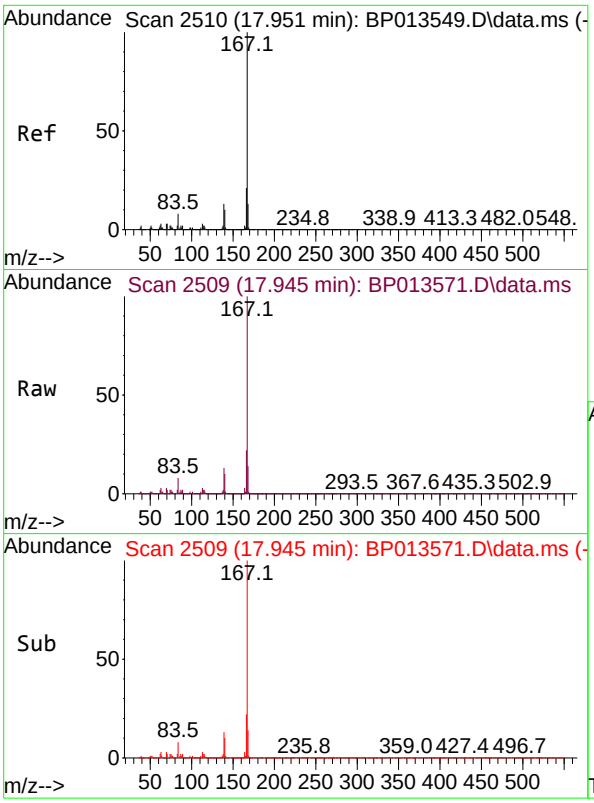


#72
Anthracene
Concen: 38.194 ng
RT: 17.681 min Scan# 2464
Delta R.T. -0.006 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:178 Resp: 3948781

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	22.0
179	15.7	12.3	18.5



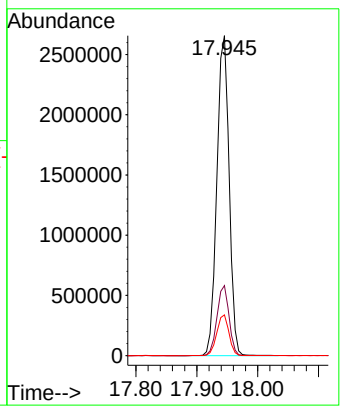


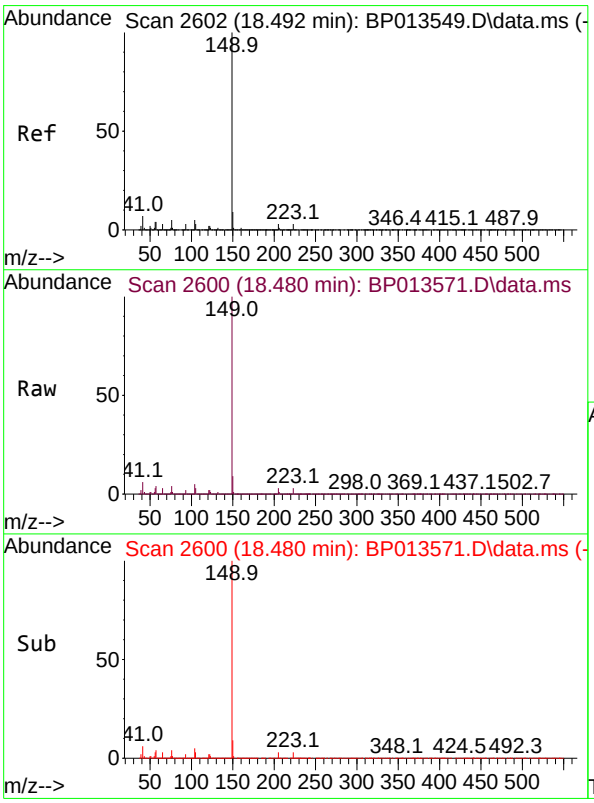
#73
Carbazole
Concen: 40.015 ng
RT: 17.945 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 3717879

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.2	25.8
139	12.7	10.3	15.5

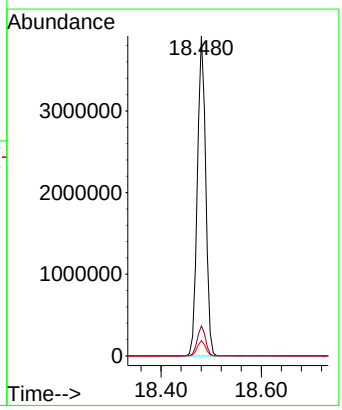


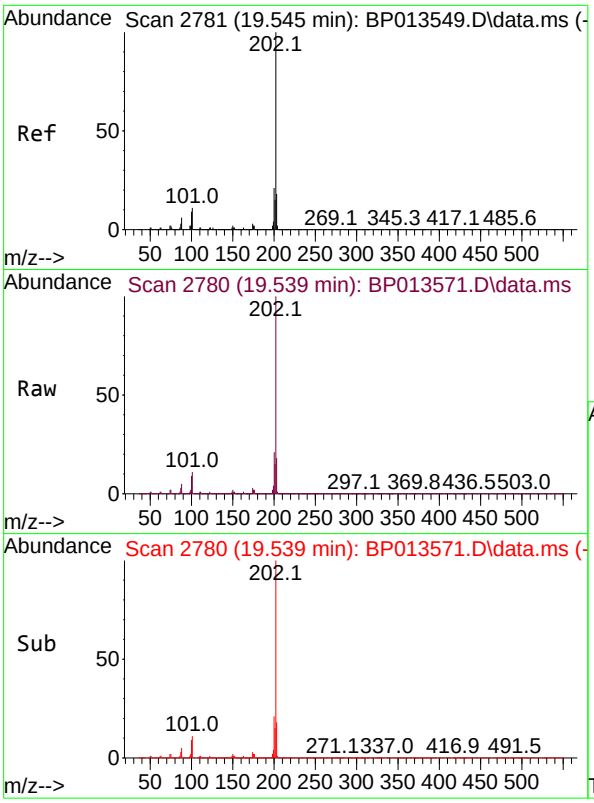


#74
Di-n-butylphthalate
Concen: 43.497 ng
RT: 18.480 min Scan# 2600
Delta R.T. -0.006 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:149 Resp: 4497957

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	4.8	3.9	5.9



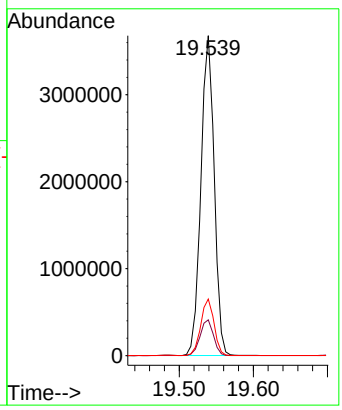


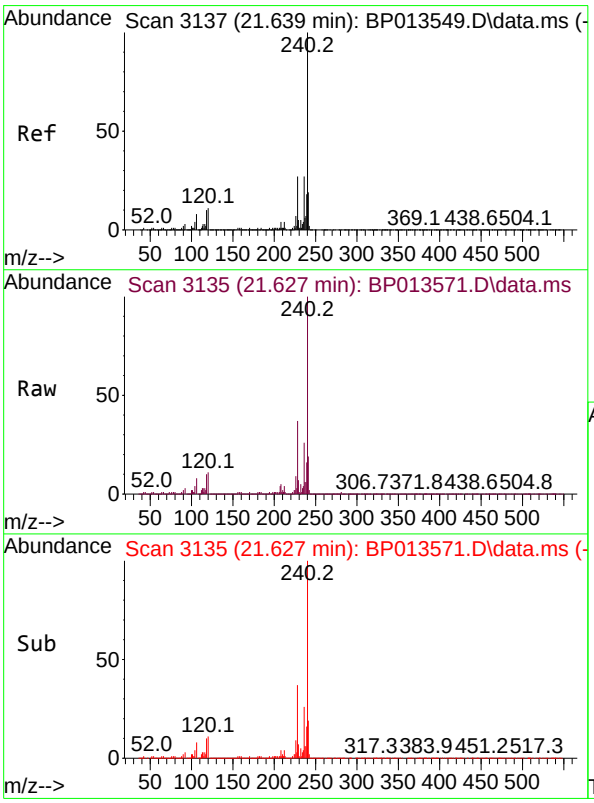
#75
Fluoranthene
Concen: 42.274 ng
RT: 19.539 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 4579389

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.4
203	17.7	0.0	37.9

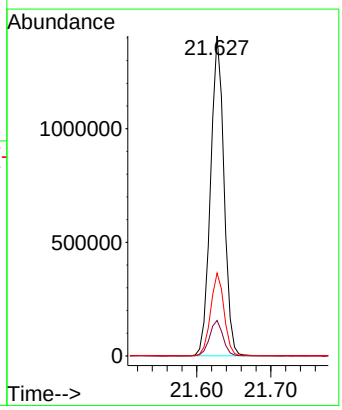


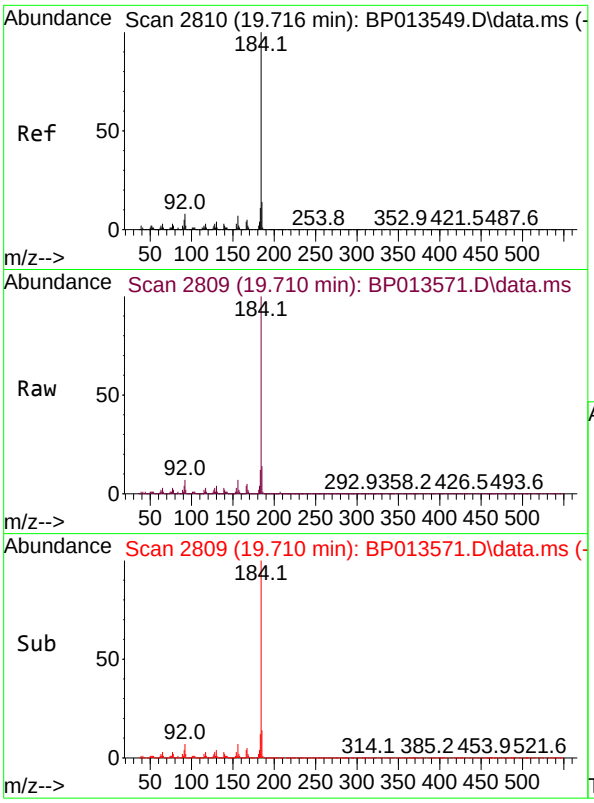


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 3135
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:240 Resp: 1775326

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.6	13.0
236	25.9	21.3	31.9



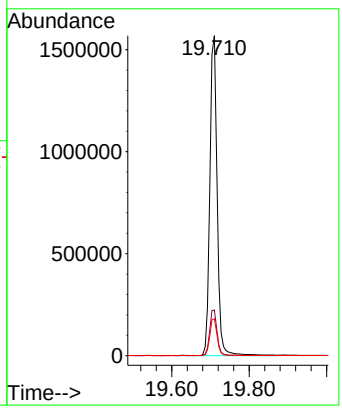


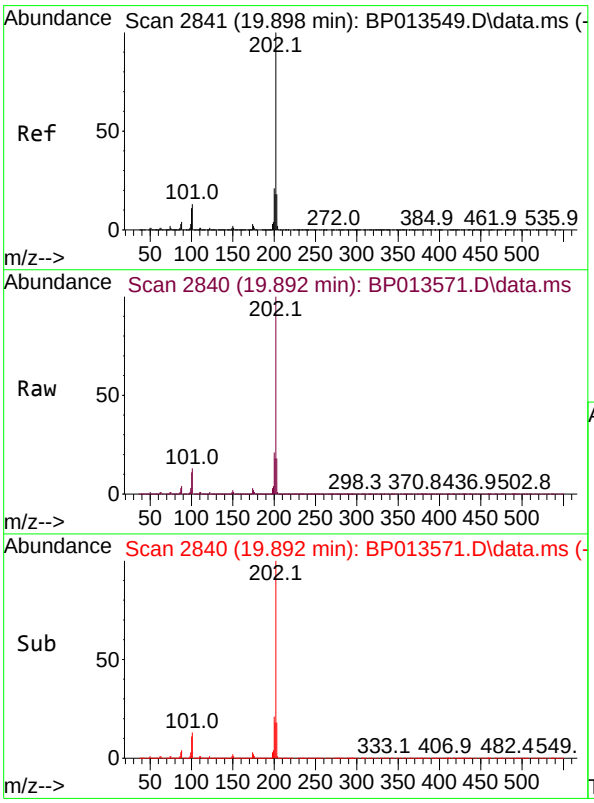
#77
Benzidine
Concen: 45.793 ng
RT: 19.710 min Scan# 28
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 2044660

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.5	17.3
183	11.5	9.0	13.6

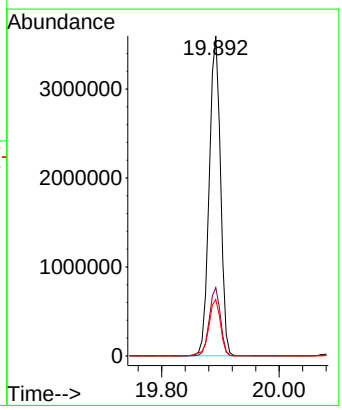


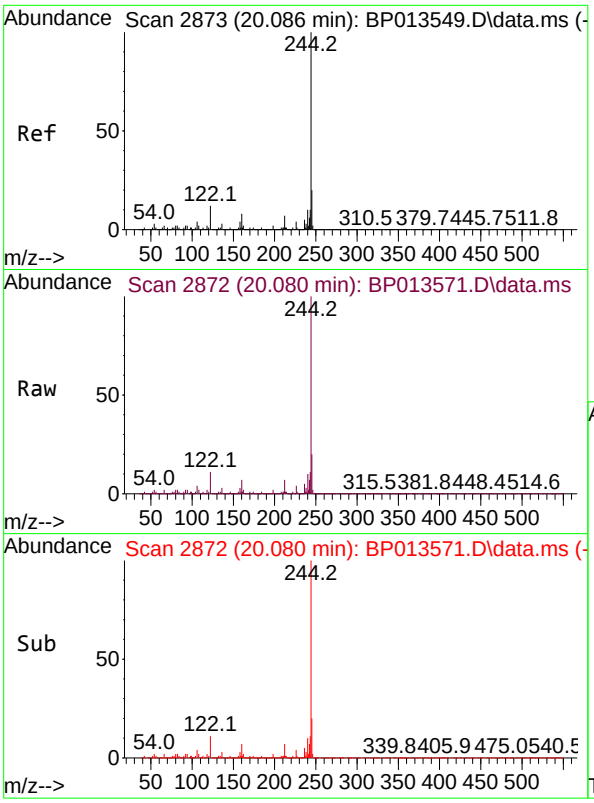


#78
Pyrene
Concen: 35.184 ng
RT: 19.892 min Scan# 2840
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:202 Resp: 4776103

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.7	14.2	21.2



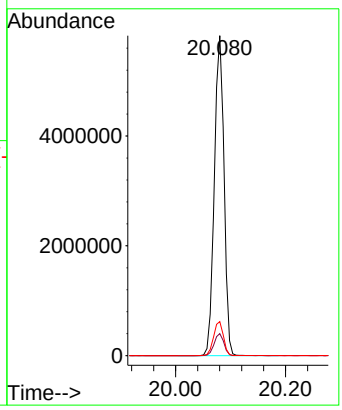


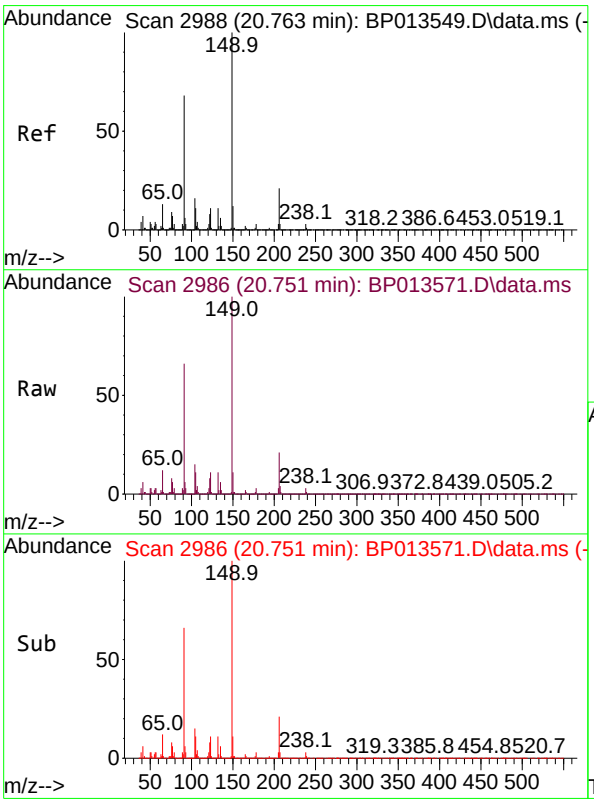
#79
Terphenyl-d14
Concen: 71.980 ng
RT: 20.080 min Scan# 28
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 7103236

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	10.6	9.2	13.8

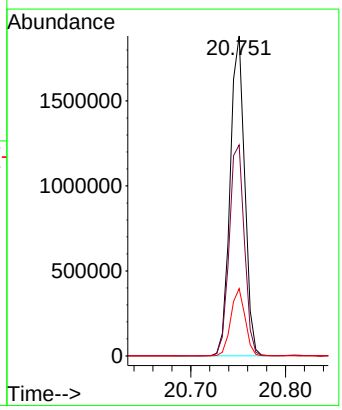


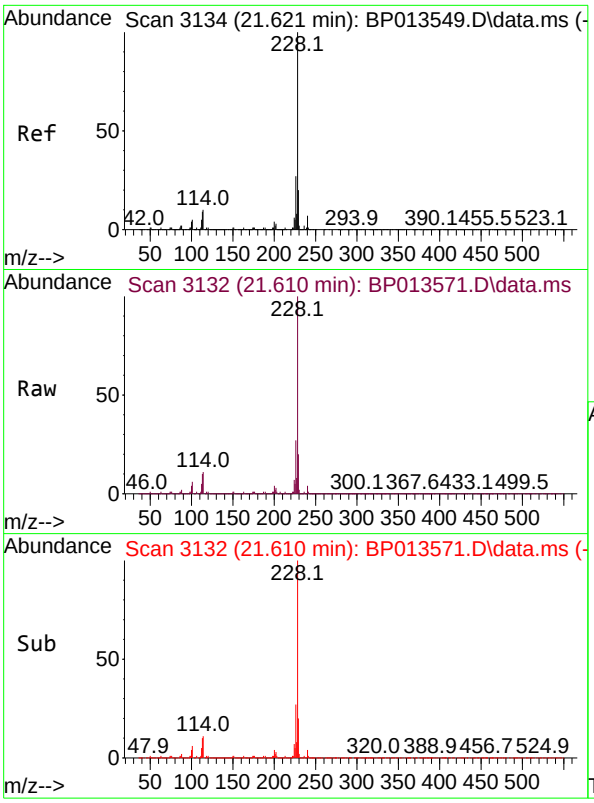


#80
Butylbenzylphthalate
Concen: 46.542 ng
RT: 20.751 min Scan# 2986
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:149 Resp: 2011565

Ion	Ratio	Lower	Upper
149	100		
91	65.9	54.6	81.8
206	21.0	16.7	25.1



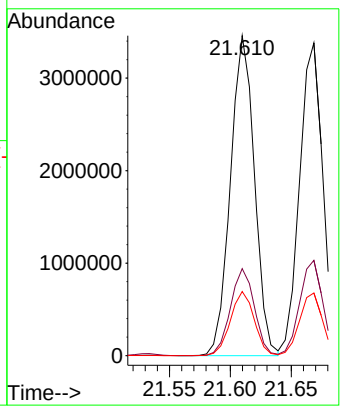


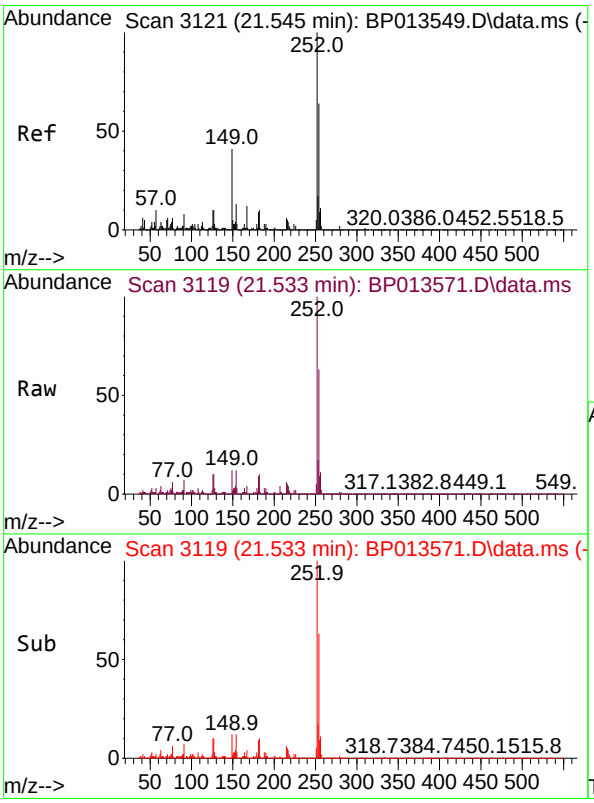
#81
Benzo(a)anthracene
Concen: 38.480 ng
RT: 21.610 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 4759168

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	20.0	15.8	23.6

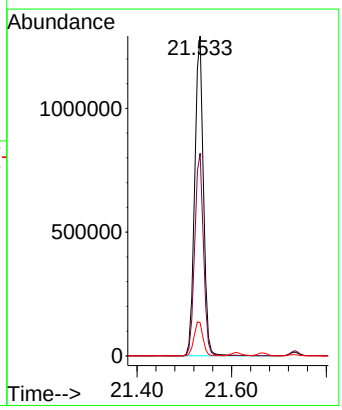


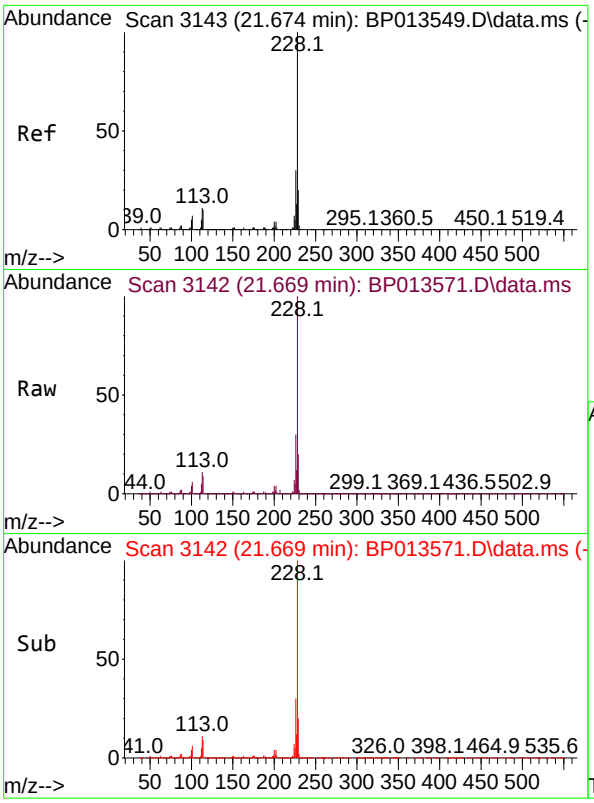


#82
3,3'-Dichlorobenzidine
Concen: 41.332 ng
RT: 21.533 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:252 Resp: 1647068

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.4	77.0
126	10.4	8.3	12.5



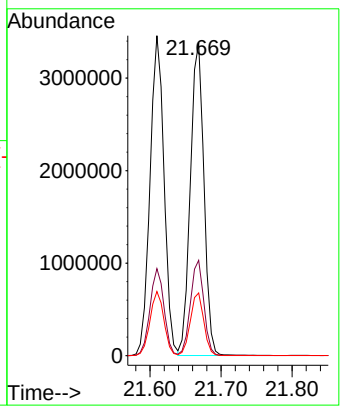


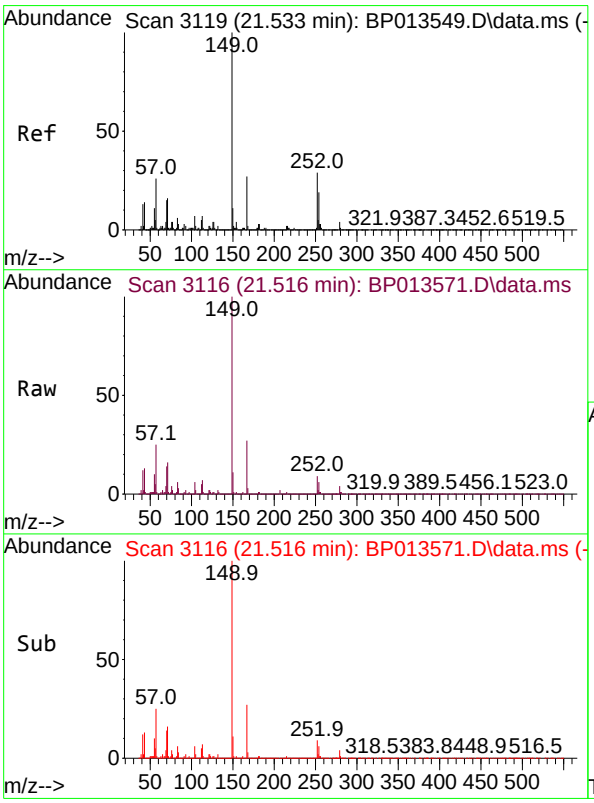
#83
Chrysene
Concen: 38.058 ng
RT: 21.669 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 4502114

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	20.0	16.2	24.2

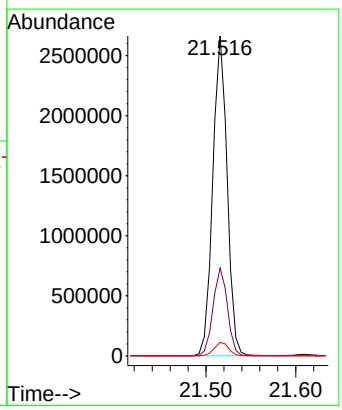


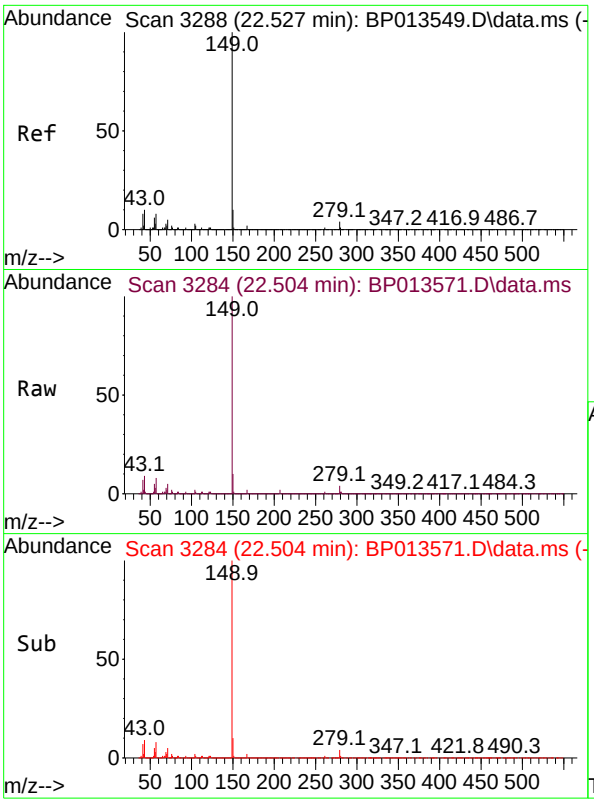


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.073 ng
RT: 21.516 min Scan# 3116
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:149 Resp: 2979383

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.0	33.0
279	4.3	3.5	5.3



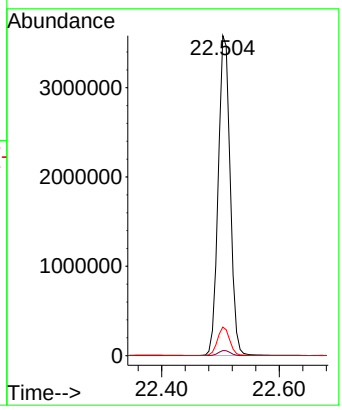


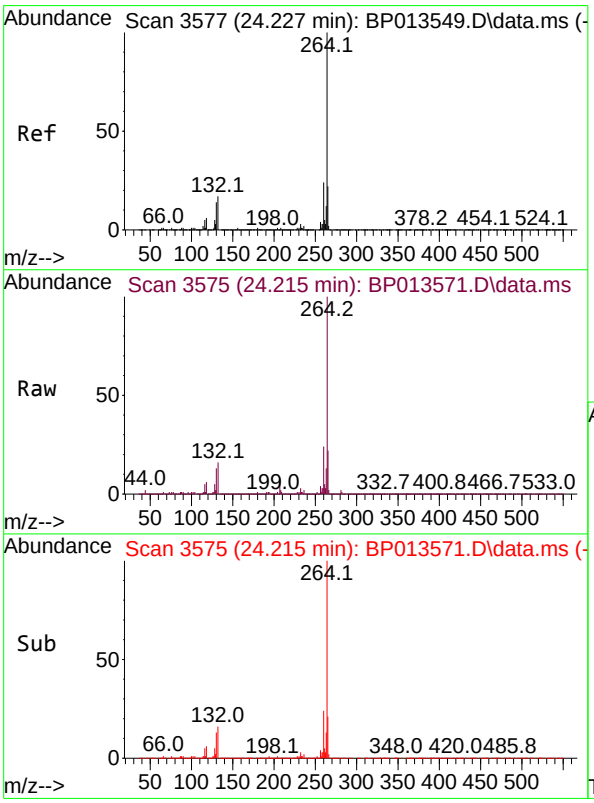
#85
Di-n-octyl phthalate
Concen: 45.299 ng
RT: 22.504 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 5051658

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.0	8.2	12.4

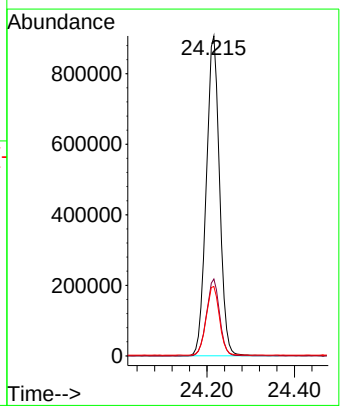


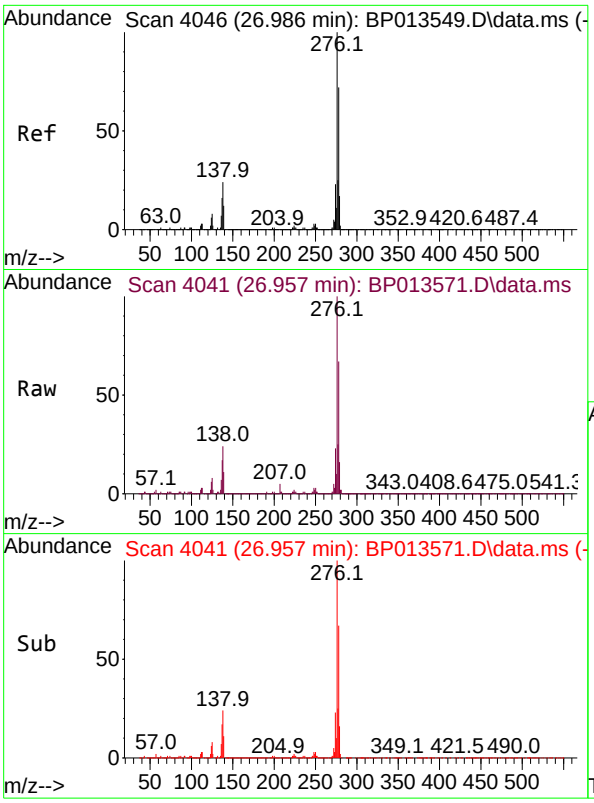


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.215 min Scan# 3575
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:264 Resp: 1903851

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.7	17.4	26.2



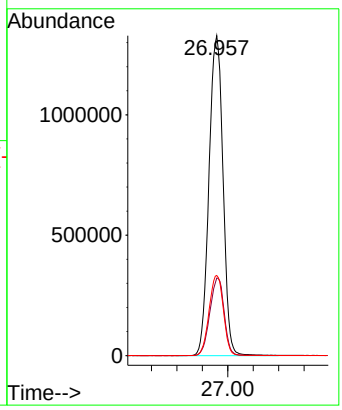


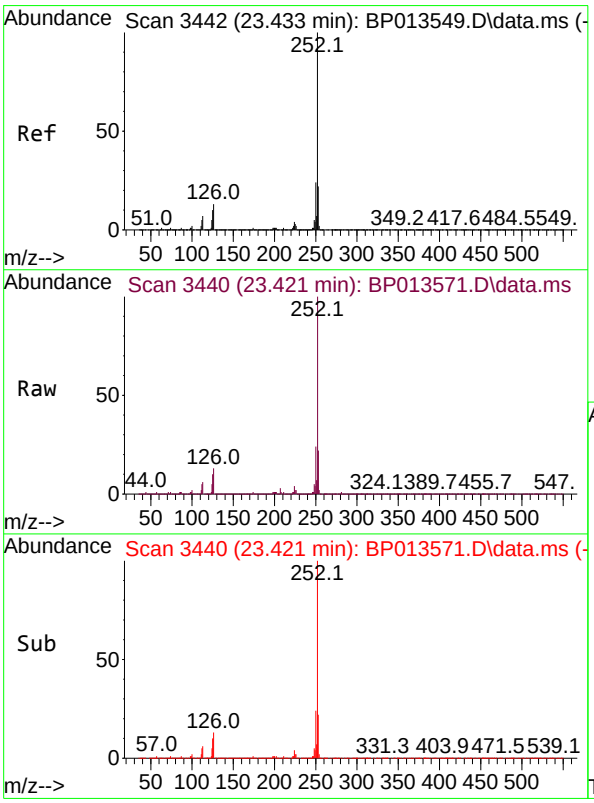
#87
Indeno(1,2,3-cd)pyrene
Concen: 36.191 ng
RT: 26.957 min Scan# 40
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 5075238

Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.8	29.6
277	25.5	20.2	30.4

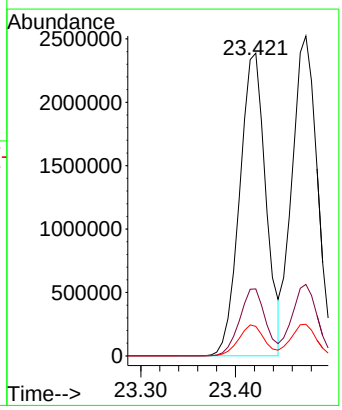


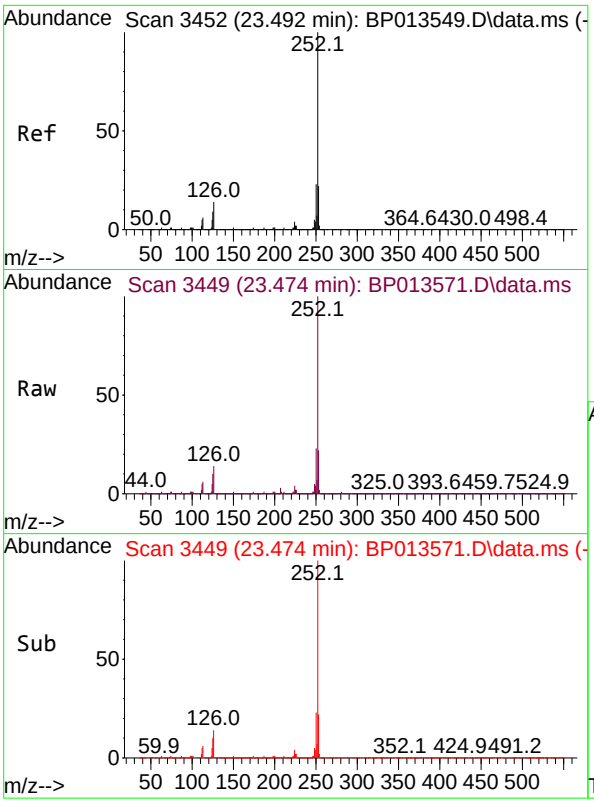


#88
Benzo(b)fluoranthene
Concen: 39.131 ng
RT: 23.421 min Scan# 3440
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:252 Resp: 4583063

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.7	8.0	12.0



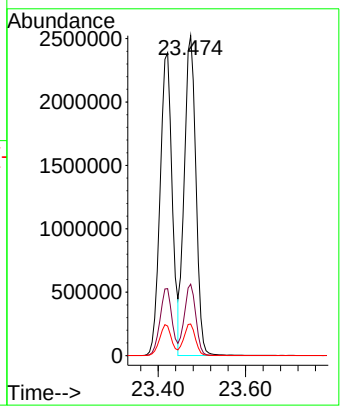


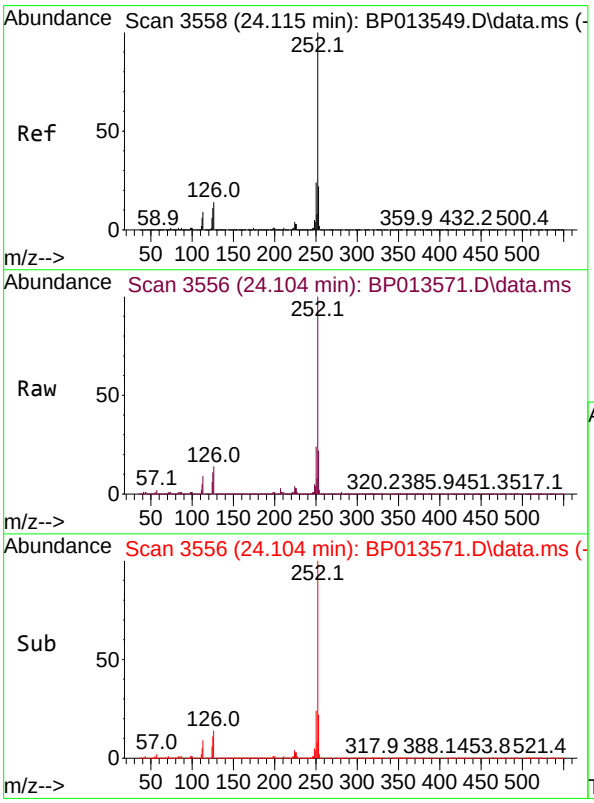
#89
Benzo(k)fluoranthene
Concen: 39.202 ng
RT: 23.474 min Scan# 34
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 4682960

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	9.9	7.5	11.3

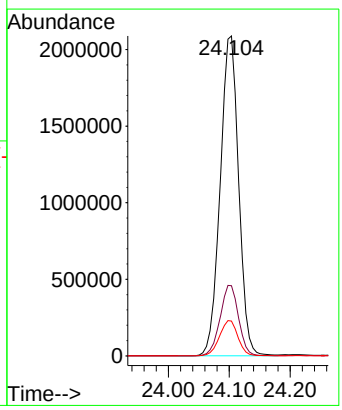


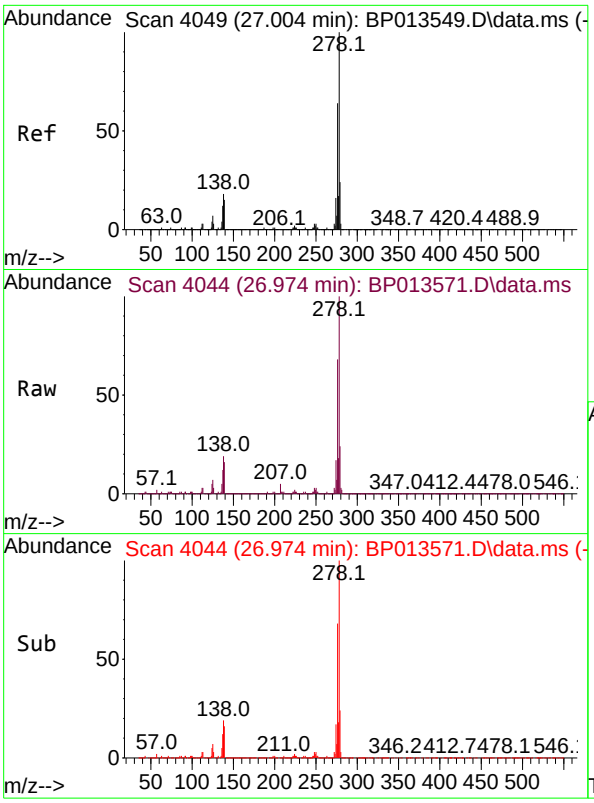


#90
Benzo(a)pyrene
Concen: 38.718 ng
RT: 24.104 min Scan# 3556
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:252 Resp: 4398834

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.9	8.9	13.3



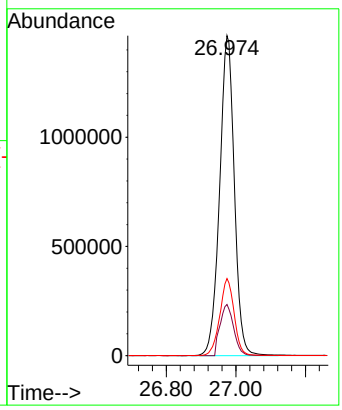


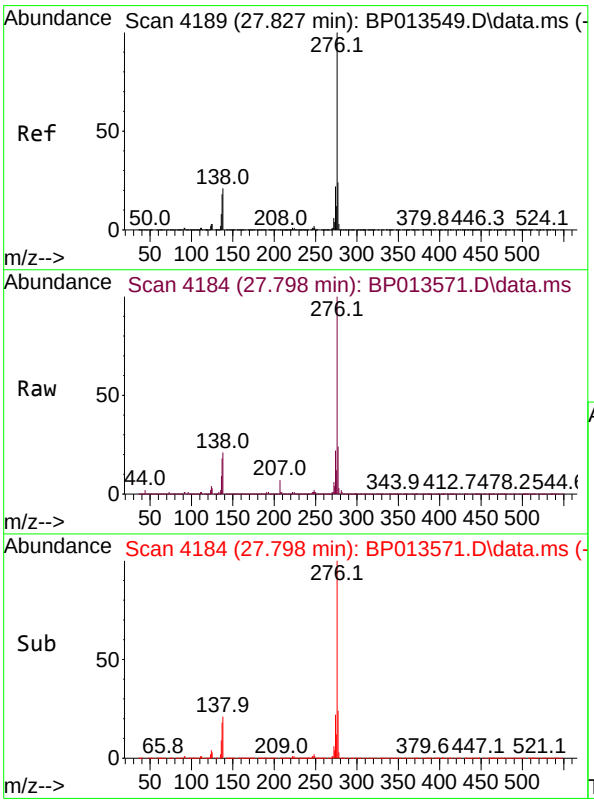
#91
Dibenzo(a,h)anthracene
Concen: 36.557 ng
RT: 26.974 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 4300120

Ion	Ratio	Lower	Upper
278	100		
139	16.0	12.3	18.5
279	24.1	19.0	28.6

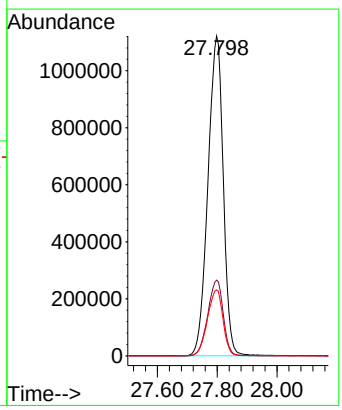




#92
Benzo(g,h,i)perylene
Concen: 34.739 ng
RT: 27.798 min Scan# 4184
Delta R.T. -0.000 min
Lab File: BP013571.D
Acq: 24 Jan 2023 15:13

Tgt Ion:276 Resp: 3988636

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	20.6	16.6	25.0



Sample Results: **BP013571.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013571.D
Acq On : 24 Jan 2023 15:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 03:48:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	115	0.00
2		1,4-Dioxane	0.471	0.449	4.7	104	0.00
3		Pyridine	1.397	1.371	1.9	106	0.00
4		n-Nitrosodimethylamine	0.632	0.583	7.8	101	0.00
5	S	2-Fluorophenol	1.167	1.147	1.7	107	0.00
6		Aniline	2.110	2.126	-0.8	113	0.00
7	S	Phenol-d6	1.571	1.597	-1.7	113	0.00
8		2-Chlorophenol	1.288	1.323	-2.7	114	0.00
9		Benzaldehyde	0.995	0.888	10.8	111	0.00
10	C	Phenol	1.628	1.651	-1.4	113	0.00
11		bis(2-Chloroethyl)ether	1.331	1.329	0.2	112	0.00
12		1,3-Dichlorobenzene	1.424	1.387	2.6	108	0.00
13	C	1,4-Dichlorobenzene	1.444	1.412	2.2	108	0.00
14		1,2-Dichlorobenzene	1.399	1.367	2.3	109	0.00
15		Benzyl Alcohol	1.122	1.160	-3.4	117	0.00
16		2,2'-oxybis(1-Chloropropane	1.822	1.794	1.5	112	0.00
17		2-Methylphenol	1.182	1.208	-2.2	115	0.00
18		Hexachloroethane	0.483	0.491	-1.7	111	0.00
19	P	n-Nitroso-di-n-propylamine	1.012	1.063	-5.0	119	0.00
20		3+4-Methylphenols	1.556	1.656	-6.4	120	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	127	0.00
22		Acetophenone	0.513	0.490	4.5	117	0.00
23	S	Nitrobenzene-d5	0.303	0.333	-9.9	128	0.00
24		Nitrobenzene	0.326	0.344	-5.5	124	0.00
25		Isophorone	0.719	0.697	3.1	123	0.00
26	C	2-Nitrophenol	0.094	0.142	-51.1#	170#	0.00
27		2,4-Dimethylphenol	0.310	0.311	-0.3	123	0.00
28		bis(2-Chloroethoxy)methane	0.433	0.428	1.2	124	0.00
29	C	2,4-Dichlorophenol	0.285	0.299	-4.9	127	0.00
30		1,2,4-Trichlorobenzene	0.326	0.312	4.3	118	0.00
31		Naphthalene	1.075	1.033	3.9	118	0.00
32		Benzoic acid	0.138	0.185	-34.1#	180#	0.00
33		4-Chloroaniline	0.476	0.475	0.2	125	0.00
34	C	Hexachlorobutadiene	0.189	0.179	5.3	115	0.00
35		Caprolactam	0.093	0.109	-17.2	153#	0.00
36	C	4-Chloro-3-methylphenol	0.311	0.339	-9.0	137	0.00
37		2-Methylnaphthalene	0.764	0.764	0.0	126	0.00
38		1-Methylnaphthalene	0.718	0.716	0.3	127	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	147	0.00
40		1,2,4,5-Tetrachlorobenzene	0.616	0.561	8.9	126	0.00
41	P	Hexachlorocyclopentadiene	0.290	0.295	-1.7	144	0.00
42	S	2,4,6-Tribromophenol	0.201	0.241	-19.9	165#	0.00
43	C	2,4,6-Trichlorophenol	0.360	0.382	-6.1	147	0.00
44		2,4,5-Trichlorophenol	0.426	0.453	-6.3	147	0.00
45	S	2-Fluorobiphenyl	1.457	1.331	8.6	128	0.00
46		1,1'-Biphenyl	1.606	1.480	7.8	129	0.00
47		2-Chloronaphthalene	1.203	1.104	8.2	129	0.00

Sample Results: **BP013571.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013571.D
Acq On : 24 Jan 2023 15:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 03:48:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.241	0.326	-35.3#	181#	0.00
49		Acenaphthylene	1.968	1.875	4.7	135	0.00
50		Dimethylphthalate	1.487	1.504	-1.1	147	0.00
51		2,6-Dinitrotoluene	0.240	0.313	-30.4#	174#	0.00
52	C	Acenaphthene	1.216	1.183	2.7	139	0.00
53		3-Nitroaniline	0.275	0.361	-31.3#	176#	0.00
54	P	2,4-Dinitrophenol	0.058	0.118	-103.4#	267#	0.00
55		Dibenzofuran	1.864	1.797	3.6	139	0.00
56	P	4-Nitrophenol	0.212	0.288	-35.8#	185#	0.00
57		2,4-Dinitrotoluene	0.266	0.421	-58.3#	197#	0.00
58		Fluorene	1.482	1.443	2.6	140	0.00
59		2,3,4,6-Tetrachlorophenol	0.327	0.373	-14.1	162#	0.00
60		Diethylphthalate	1.452	1.521	-4.8	154#	0.00
61		4-Chlorophenyl-phenylether	0.729	0.712	2.3	142	0.00
62		4-Nitroaniline	0.265	0.376	-41.9#	178#	0.00
63		Azobenzene	1.411	1.367	3.1	141	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	166#	0.00
65		4,6-Dinitro-2-methylphenol	0.058	0.084	-44.8#	264#	0.00
66	c	n-Nitrosodiphenylamine	0.652	0.591	9.4	146	0.00
67		4-Bromophenyl-phenylether	0.222	0.200	9.9	147	0.00
68		Hexachlorobenzene	0.239	0.222	7.1	152#	0.00
69		Atrazine	0.187	0.197	-5.3	165#	0.00
70	C	Pentachlorophenol	0.139	0.160	-15.1	187#	0.00
71		Phenanthrene	1.113	1.061	4.7	154#	0.00
72		Anthracene	1.129	1.078	4.5	152#	0.00
73		Carbazole	1.015	1.015	0.0	159#	0.00
74		Di-n-butylphthalate	1.130	1.228	-8.7	172#	0.00
75	C	Fluoranthene	1.183	1.251	-5.7	166#	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	183#	0.00
77		Benzidine	0.503	0.576	-14.5	200#	0.00
78		Pyrene	1.529	1.345	12.0	166#	0.00
79	S	Terphenyl-d14	1.112	1.000	10.1	165#	0.00
80		Butylbenzylphthalate	0.487	0.567	-16.4	197#	0.00
81		Benzo(a)anthracene	1.393	1.340	3.8	171#	0.00
82		3,3'-Dichlorobenzidine	0.449	0.464	-3.3	176#	0.00
83		Chrysene	1.333	1.268	4.9	169#	0.00
84		Bis(2-ethylhexyl)phthalate	0.779	0.839	-7.7	189#	0.00
85	c	Di-n-octyl phthalate	1.256	1.423	-13.3	191#	0.00
86	I	Perylene-d12	1.000	1.000	0.0	173#	0.00
87		Indeno(1,2,3-cd)pyrene	1.473	1.333	9.5	145	0.00
88		Benzo(b)fluoranthene	1.230	1.204	2.1	164#	0.00
89		Benzo(k)fluoranthene	1.255	1.230	2.0	168#	0.00
90	C	Benzo(a)pyrene	1.194	1.155	3.3	161#	0.00
91		Dibenzo(a,h)anthracene	1.236	1.129	8.7	147	0.00
92		Benzo(g,h,i)perylene	1.206	1.048	13.1	140	0.00

Sample Results: **BP013571.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013571.D
Acq On : 24 Jan 2023 15:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 03:48:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BP013571.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013571.D
Acq On : 24 Jan 2023 15:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 03:48:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	115	0.00
2		1,4-Dioxane	40.000	38.145	4.6	104	0.00
3		Pyridine	40.000	39.249	1.9	106	0.00
4		n-Nitrosodimethylamine	40.000	36.923	7.7	101	0.00
5	S	2-Fluorophenol	80.000	78.628	1.7	107	0.00
6		Aniline	40.000	40.287	-0.7	113	0.00
7	S	Phenol-d6	80.000	81.309	-1.6	113	0.00
8		2-Chlorophenol	40.000	41.073	-2.7	114	0.00
9		Benzaldehyde	40.000	35.691	10.8	111	0.00
10	C	Phenol	40.000	40.565	-1.4	113	0.00
11		bis(2-Chloroethyl)ether	40.000	39.929	0.2	112	0.00
12		1,3-Dichlorobenzene	40.000	38.961	2.6	108	0.00
13	C	1,4-Dichlorobenzene	40.000	39.114	2.2	108	0.00
14		1,2-Dichlorobenzene	40.000	39.097	2.3	109	0.00
15		Benzyl Alcohol	40.000	41.352	-3.4	117	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.385	1.5	112	0.00
17		2-Methylphenol	40.000	40.871	-2.2	115	0.00
18		Hexachloroethane	40.000	40.653	-1.6	111	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	42.005	-5.0	119	0.00
20		3+4-Methylphenols	40.000	42.571	-6.4	120	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	127	0.00
22		Acetophenone	40.000	38.180	4.6	117	0.00
23	S	Nitrobenzene-d5	80.000	87.889	-9.9	128	0.00
24		Nitrobenzene	40.000	42.241	-5.6	124	0.00
25		Isophorone	40.000	38.819	3.0	123	0.00
26	C	2-Nitrophenol	40.000	48.199	-20.5#	170	0.00
27		2,4-Dimethylphenol	40.000	40.144	-0.4	123	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.512	1.2	124	0.00
29	C	2,4-Dichlorophenol	40.000	41.944	-4.9	127	0.00
30		1,2,4-Trichlorobenzene	40.000	38.366	4.1	118	0.00
31		Naphthalene	40.000	38.438	3.9	118	0.00
32		Benzoic acid	40.000	49.345	-23.4	180	0.00
33		4-Chloroaniline	40.000	39.901	0.2	125	0.00
34	C	Hexachlorobutadiene	40.000	37.868	5.3	115	0.00
35		Caprolactam	40.000	47.340	-18.4	153	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.614	-9.0	137	0.00
37		2-Methylnaphthalene	40.000	39.978	0.1	126	0.00
38		1-Methylnaphthalene	40.000	39.906	0.2	127	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	147	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	36.444	8.9	126	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.629	3.4	144	0.00
42	S	2,4,6-Tribromophenol	80.000	95.975	-20.0	165	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.355	-5.9	147	0.00
44		2,4,5-Trichlorophenol	40.000	42.530	-6.3	147	0.00
45	S	2-Fluorobiphenyl	80.000	73.084	8.6	128	0.00
46		1,1'-Biphenyl	40.000	36.857	7.9	129	0.00
47		2-Chloronaphthalene	40.000	36.698	8.3	129	0.00

Sample Results: **BP013571.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013571.D
Acq On : 24 Jan 2023 15:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 03:48:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	43.909	-9.8	181	0.00
49		Acenaphthylene	40.000	38.102	4.7	135	0.00
50		Dimethylphthalate	40.000	40.475	-1.2	147	0.00
51		2,6-Dinitrotoluene	40.000	43.626	-9.1	174	0.00
52	C	Acenaphthene	40.000	38.921	2.7	139	0.00
53		3-Nitroaniline	40.000	43.986	-10.0	176	0.00
54	P	2,4-Dinitrophenol	40.000	56.351	-40.9#	267	0.00
55		Dibenzofuran	40.000	38.570	3.6	139	0.00
56	P	4-Nitrophenol	40.000	47.976	-19.9	185	0.00
57		2,4-Dinitrotoluene	40.000	48.771	-21.9	197	0.00
58		Fluorene	40.000	38.957	2.6	140	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	45.624	-14.1	162	0.00
60		Diethylphthalate	40.000	41.887	-4.7	154	0.00
61		4-Chlorophenyl-phenylether	40.000	39.100	2.2	142	0.00
62		4-Nitroaniline	40.000	47.406	-18.5	178	0.00
63		Azobenzene	40.000	38.742	3.1	141	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	166	0.00
65		4,6-Dinitro-2-methylphenol	40.000	51.694	-29.2#	264	0.00
66	c	n-Nitrosodiphenylamine	40.000	36.261	9.3	146	0.00
67		4-Bromophenyl-phenylether	40.000	36.200	9.5	147	0.00
68		Hexachlorobenzene	40.000	37.067	7.3	152	0.00
69		Atrazine	40.000	42.129	-5.3	165	0.00
70	C	Pentachlorophenol	40.000	42.768	-6.9	187	0.00
71		Phenanthrene	40.000	38.150	4.6	154	0.00
72		Anthracene	40.000	38.194	4.5	152	0.00
73		Carbazole	40.000	40.015	-0.0	159	0.00
74		Di-n-butylphthalate	40.000	43.497	-8.7	172	0.00
75	C	Fluoranthene	40.000	42.274	-5.7	166	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	183	0.00
77		Benzidine	40.000	45.793	-14.5	200	0.00
78		Pyrene	40.000	35.184	12.0	166	0.00
79	S	Terphenyl-d14	80.000	71.980	10.0	165	0.00
80		Butylbenzylphthalate	40.000	46.542	-16.4	197	0.00
81		Benzo(a)anthracene	40.000	38.480	3.8	171	0.00
82		3,3'-Dichlorobenzidine	40.000	41.332	-3.3	176	0.00
83		Chrysene	40.000	38.058	4.9	169	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	43.073	-7.7	189	0.00
85	c	Di-n-octyl phthalate	40.000	45.299	-13.2	191	0.00
86	I	Perylene-d12	20.000	20.000	0.0	173	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.191	9.5	145	0.00
88		Benzo(b)fluoranthene	40.000	39.131	2.2	164	0.00
89		Benzo(k)fluoranthene	40.000	39.202	2.0	168	0.00
90	C	Benzo(a)pyrene	40.000	38.718	3.2	161	0.00
91		Dibenzo(a,h)anthracene	40.000	36.557	8.6	147	0.00
92		Benzo(g,h,i)perylene	40.000	34.739	13.2	140	0.00

Sample Results: **BP013571.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013571.D
Acq On : 24 Jan 2023 15:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jan 25 03:48:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

CHEMTECH

QC SAMPLE DATA

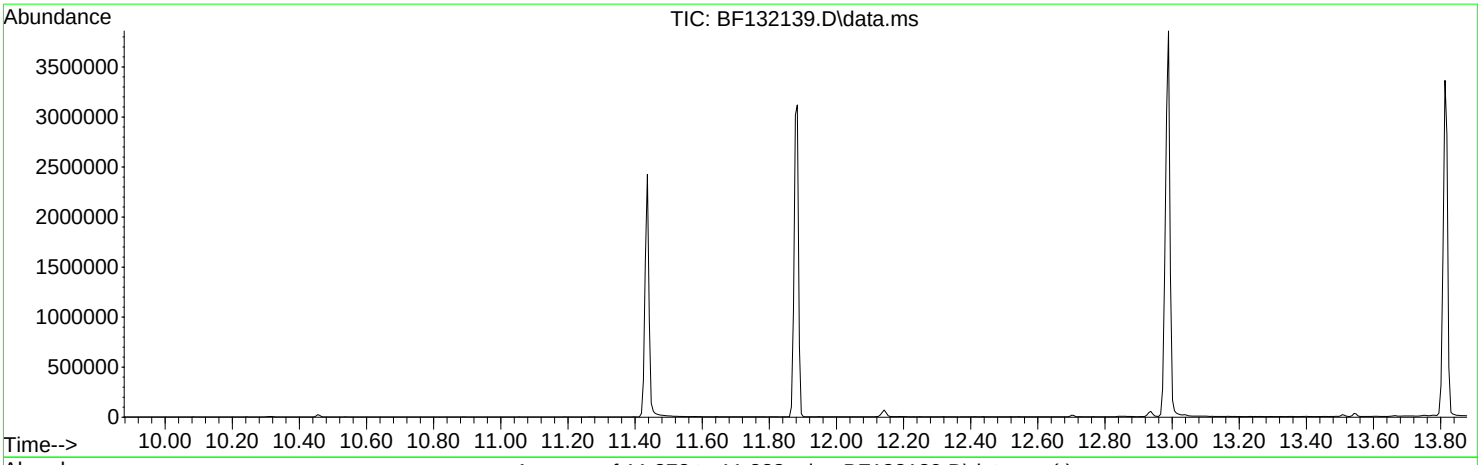
Sample Results: **BF132139.D**

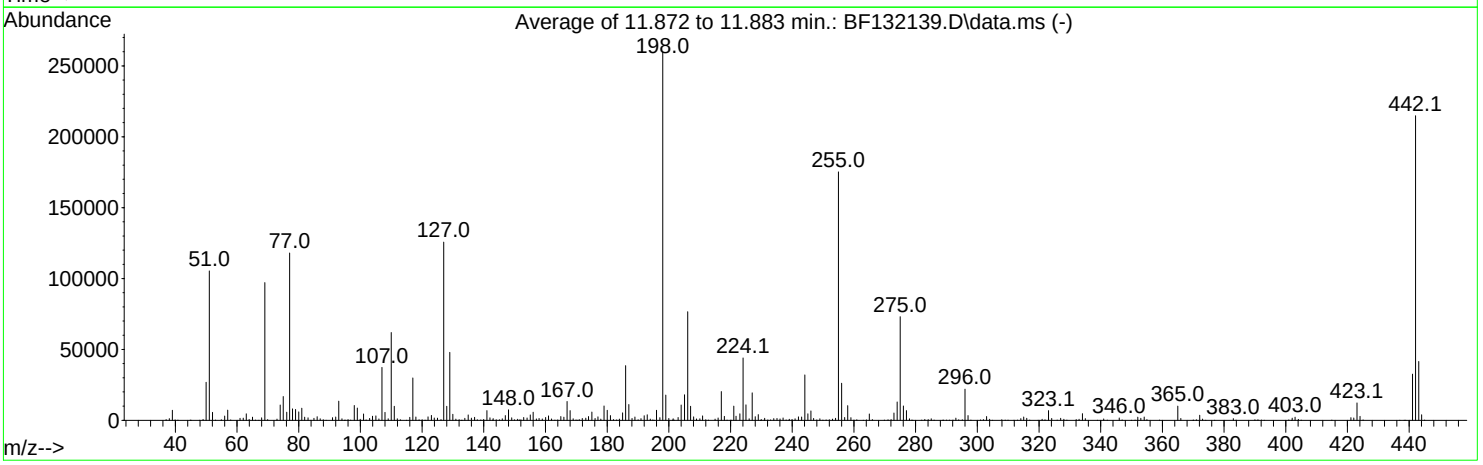
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132139.D
Acq On : 19 Jan 2023 10:46
Operator : CG\JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 20 00:50:42 2023





AutoFind: Scans 1536, 1537, 1538; Background Corrected with Scan 1531

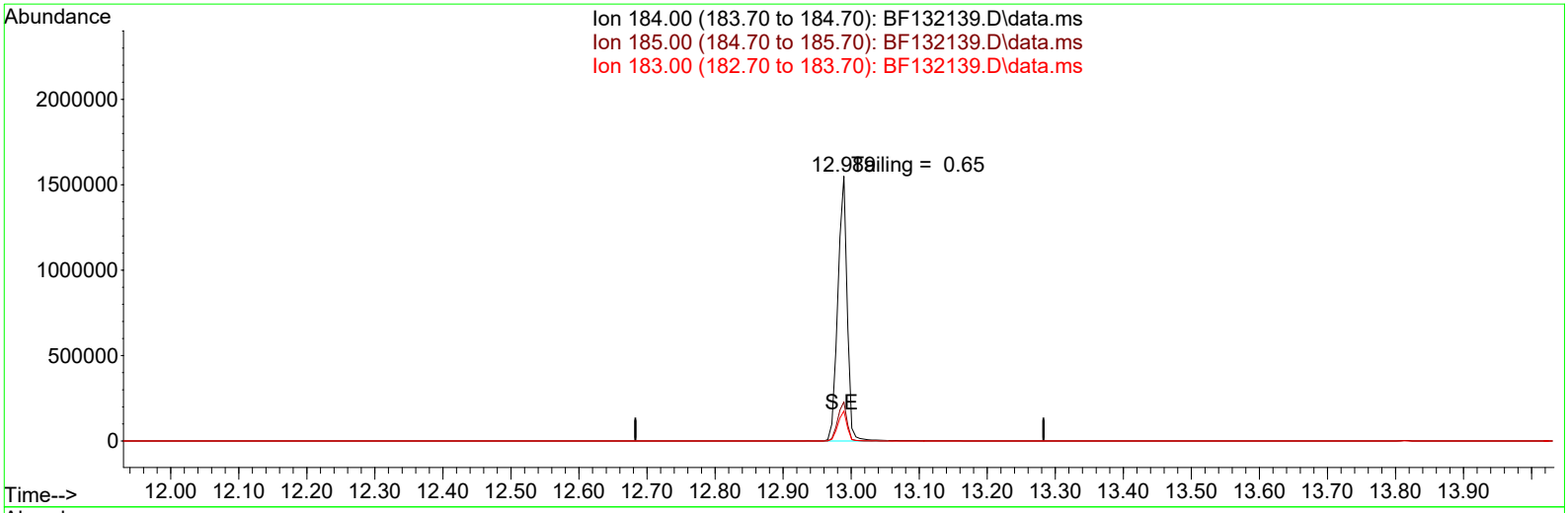
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.6	105352	PASS
68	69	0.00	2	1.8	1732	PASS
69	198	0.00	100	37.4	97160	PASS
70	69	0.00	2	0.5	531	PASS
127	198	10	80	48.4	125669	PASS
197	198	0.00	2	0.7	1878	PASS
198	198	100	100	100.0	259491	PASS
199	198	5	9	6.8	17763	PASS
275	198	10	60	28.2	73136	PASS
365	198	1	100	3.9	10047	PASS
441	198	0.01	100	12.5	32537	PASS
442	442	50	100	100.0	214824	PASS
443	442	15	24	19.3	41519	PASS

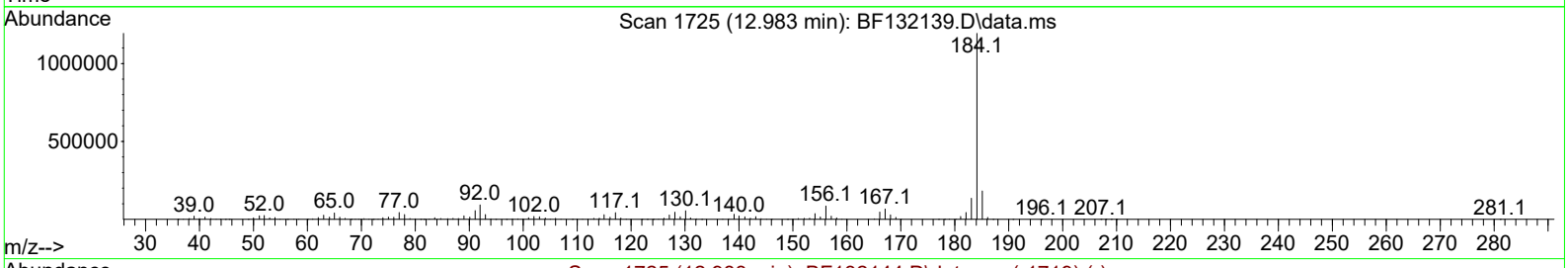
Sample Results: **BF132139.D**

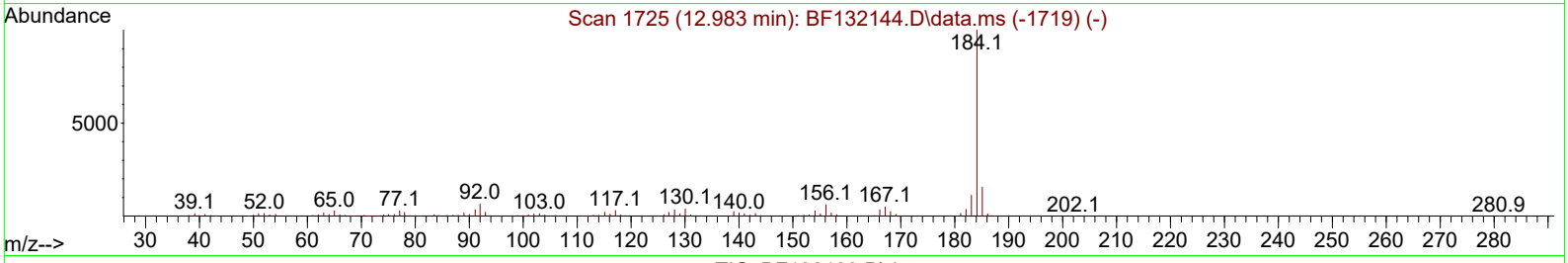
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132139.D
Acq On : 19 Jan 2023 10:46
Operator : CG\JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 20 05:07:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration







TIC: BF132139.D\data.ms

(77) Benzidine

12.983min (-12.983) 0.00 ng

response 0

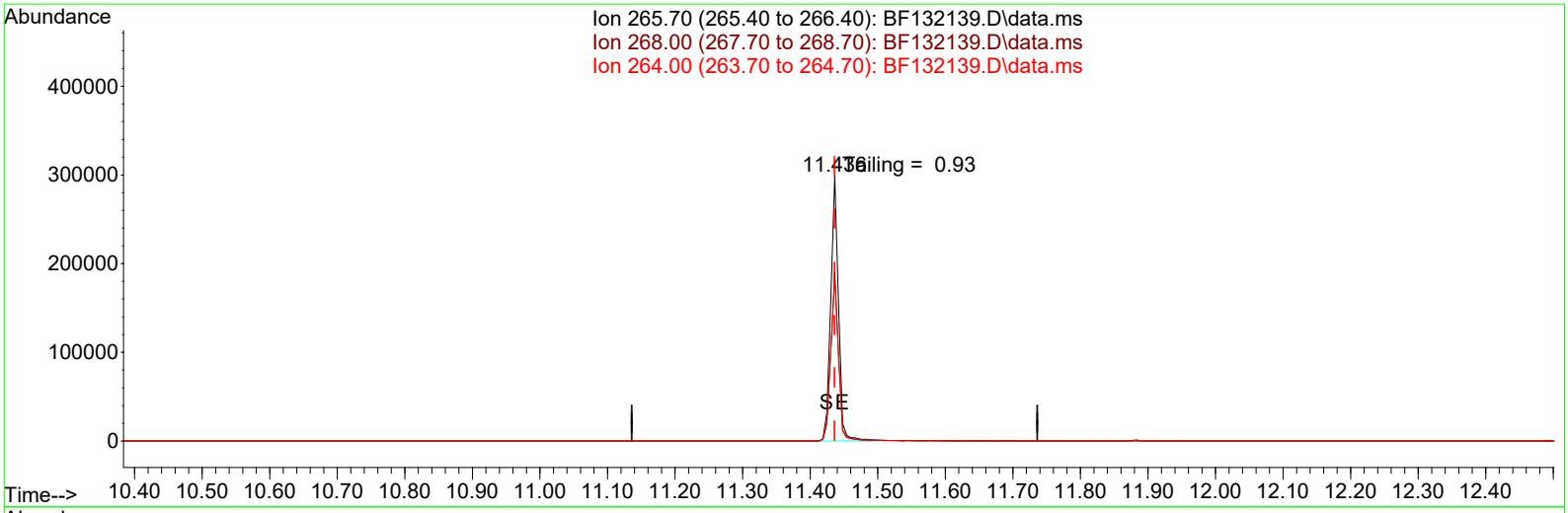
Ion	Exp%	Act%
184.00	100.00	0.00
185.00	15.60	0.00#
183.00	11.20	0.00#
0.00	0.00	0.00

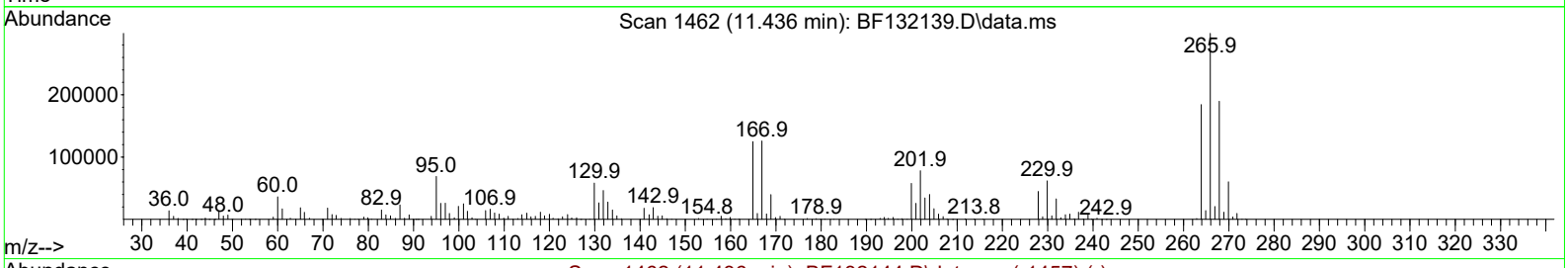
Sample Results: **BF132139.D**

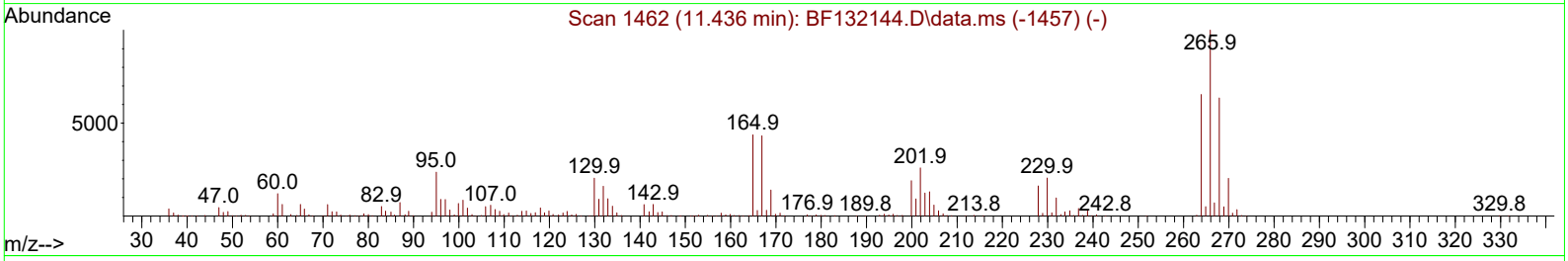
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011923\
Data File : BF132139.D
Acq On : 19 Jan 2023 10:46
Operator : CG\JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 20 05:07:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration







TIC: BF132139.D\data.ms

(70) Pentachlorophenol (C)

11.436min (+ 0.000) 469730.41 ng

response 241341

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.50	63.47
264.00	65.40	61.76
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/19/2023	BNA_F	BF132139.D
Compound Name	**Response**	**Retention Time**
DDT	531182	13.813
DDD	6943	13.542
DDE	353	13.172
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
7296	538478	1.35

Instrument :
BNA_F
ClientSampleId :
DFTPP

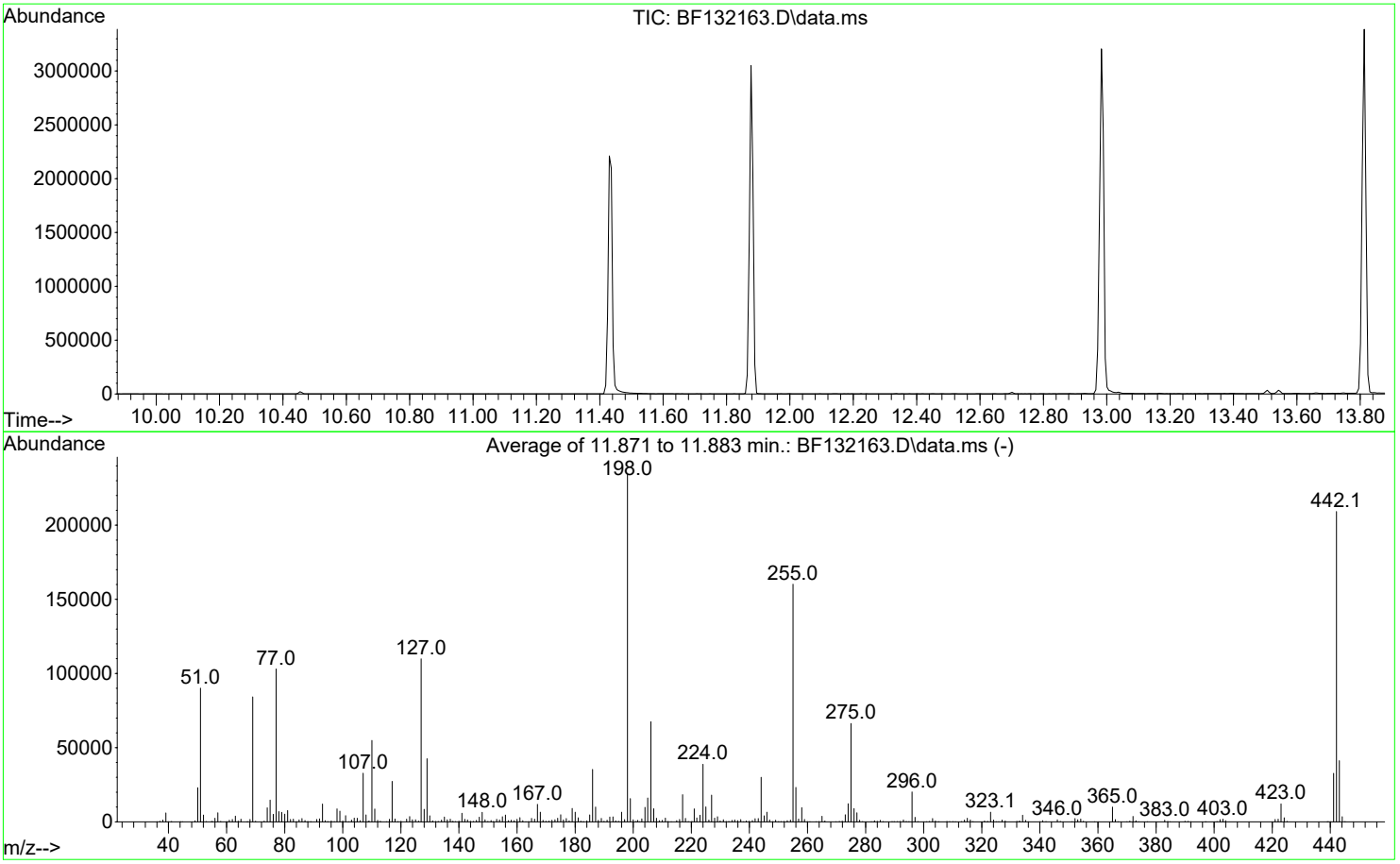
Sample Results: **BF132163.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132163.D
Acq On : 20 Jan 2023 16:08
Operator : CG\JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 20 00:50:42 2023



AutoFind: Scans 1536, 1537, 1538; Background Corrected with Scan 1531

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.5	90128	PASS
68	69	0.00	2	1.9	1614	PASS
69	198	0.00	100	36.0	84219	PASS
70	69	0.00	2	0.5	412	PASS
127	198	10	80	46.9	109877	PASS
197	198	0.00	2	0.7	1548	PASS
198	198	100	100	100.0	234176	PASS
199	198	5	9	6.7	15675	PASS
275	198	10	60	28.3	66331	PASS
365	198	1	100	4.3	9988	PASS
441	198	0.01	100	13.9	32650	PASS
442	442	50	100	100.0	209173	PASS
443	442	15	24	19.7	41258	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/20/2023	BNA_F	BF132163.D
Compound Name	**Response**	**Retention Time**
DDT	531722	13.813
DDD	9556	13.507
DDE	599	13.166
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
10155	541877	1.87

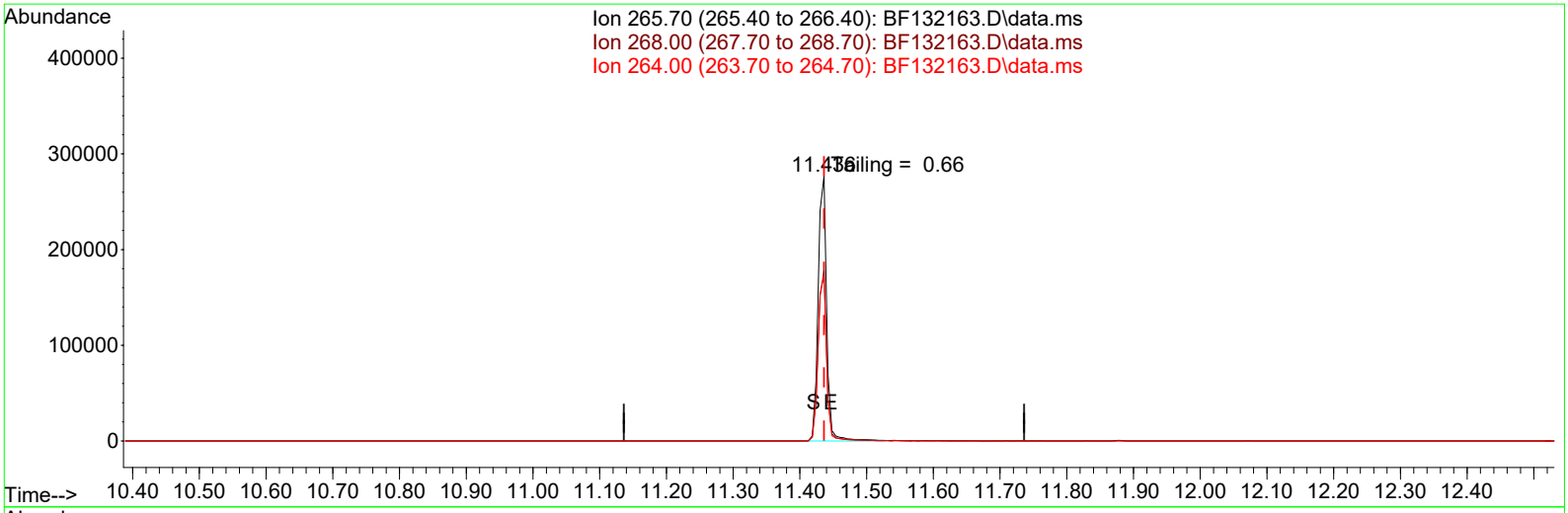
Instrument :
BNA_F
ClientSampleId :
DFTPP

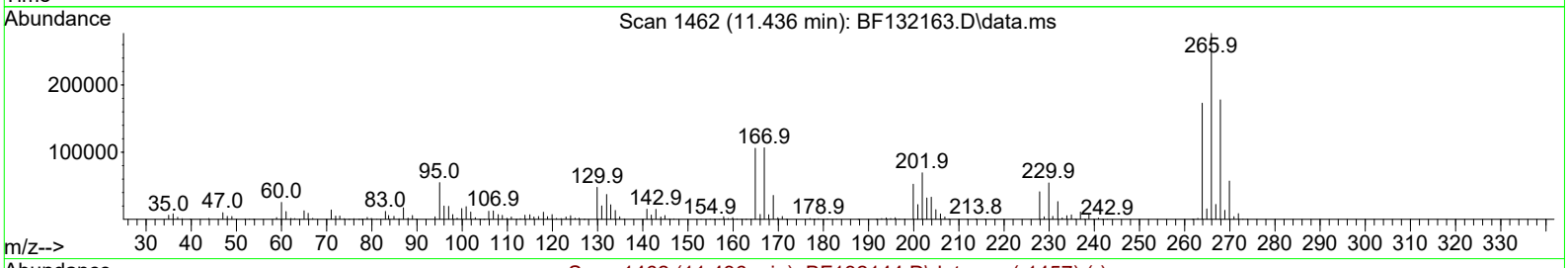
Sample Results: **BF132163.D**

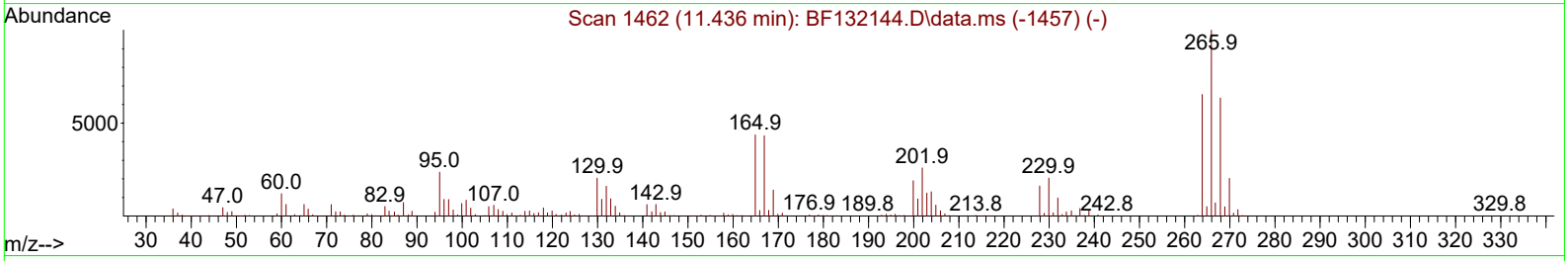
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132163.D
Acq On : 20 Jan 2023 16:08
Operator : CG\JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 21 05:32:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration







TIC: BF132163.D\data.ms

(70) Pentachlorophenol (C)

11.436min (-0.000) 583456.70 ng

response 245268

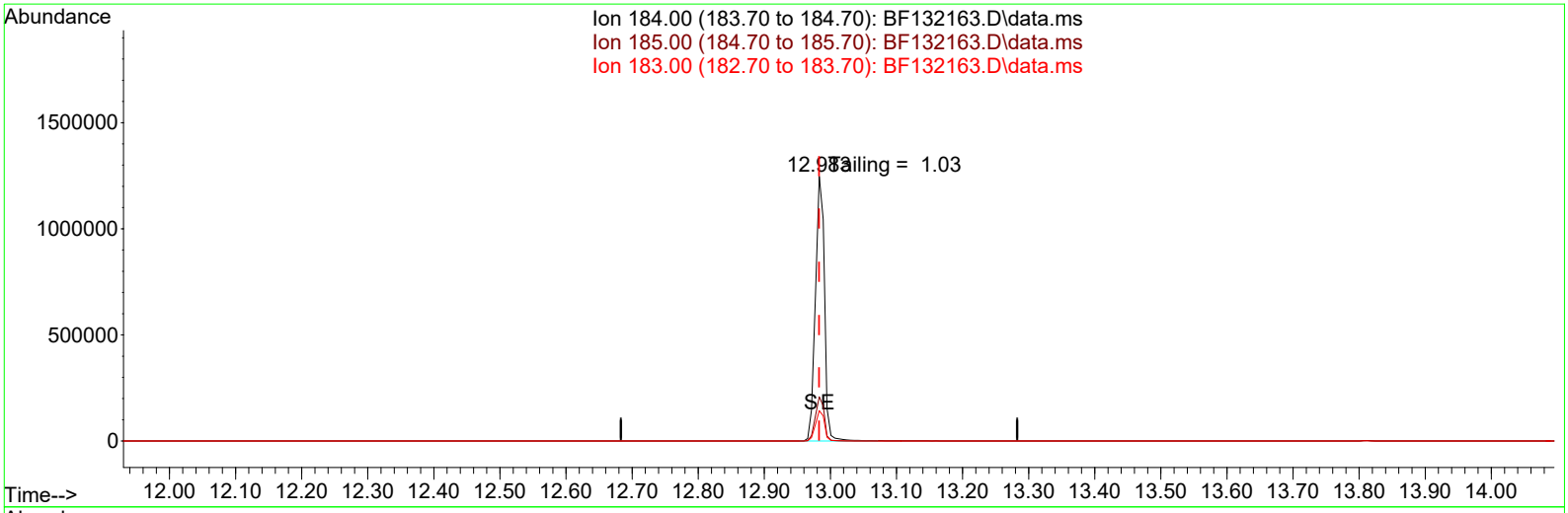
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.50	64.26
264.00	65.40	62.50
0.00	0.00	0.00

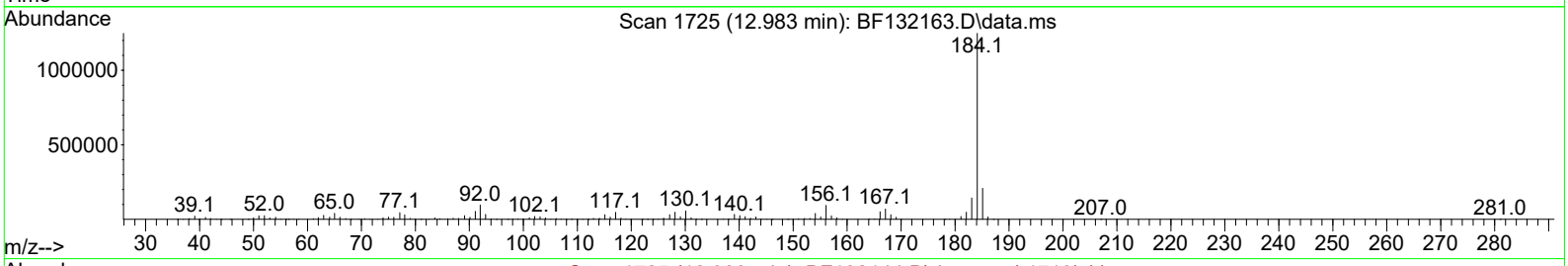
Sample Results: **BF132163.D**

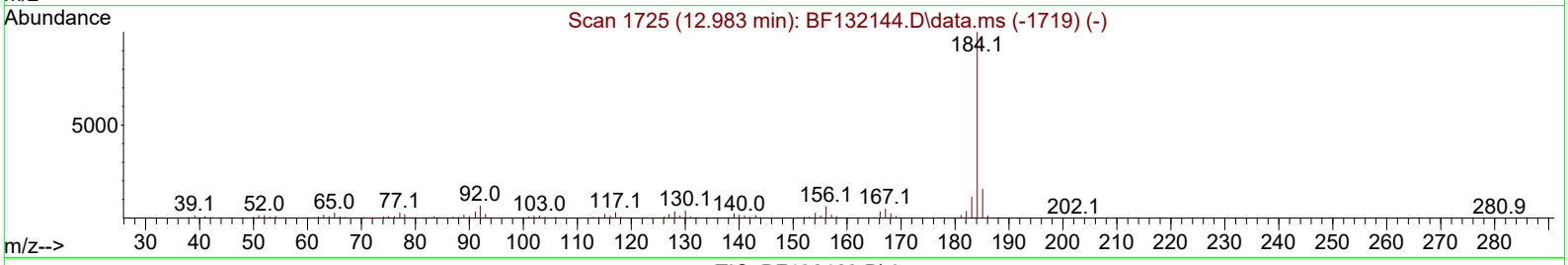
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132163.D
Acq On : 20 Jan 2023 16:08
Operator : CG\JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 21 05:32:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration







TIC: BF132163.D\data.ms

(77) Benzidine

12.983min (+ 0.000) 697715.54 ng

response 1194065

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.60	16.72
183.00	11.20	11.48
0.00	0.00	0.00

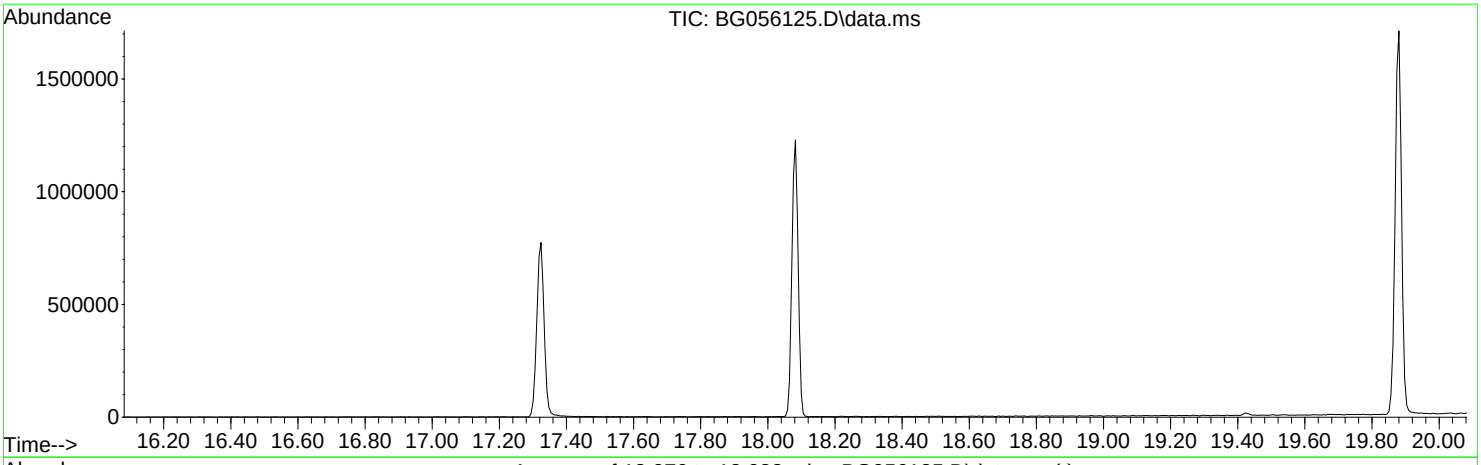
Sample Results: **BG056125.D**

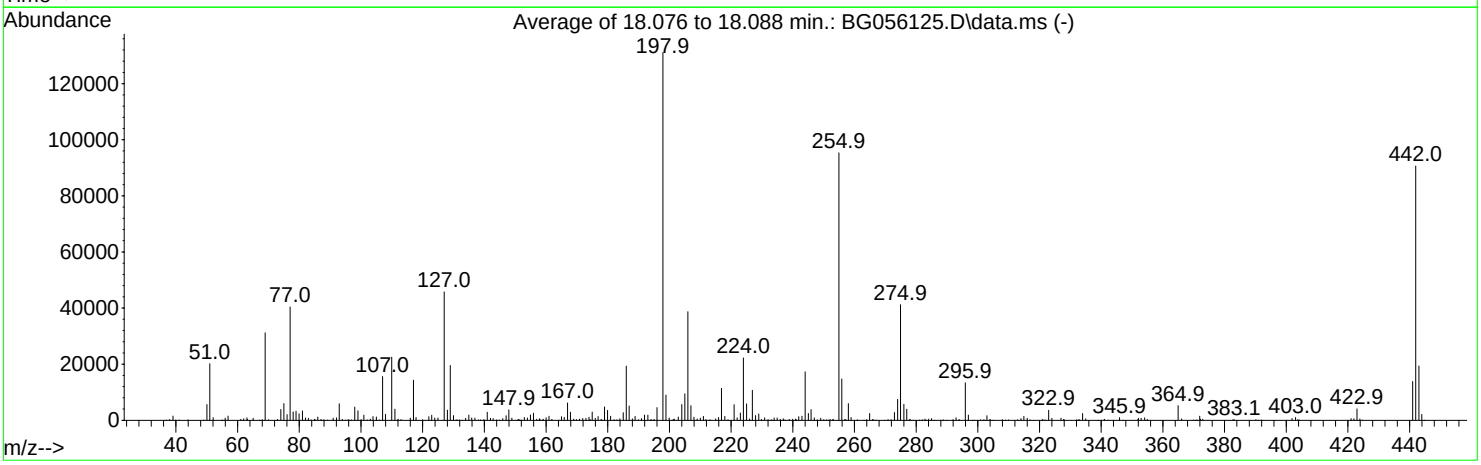
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056125.D
Acq On : 27 Dec 2022 14:13
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Dec 28 05:20:14 2022





AutoFind: Scans 2517, 2518, 2519; Background Corrected with Scan 2510

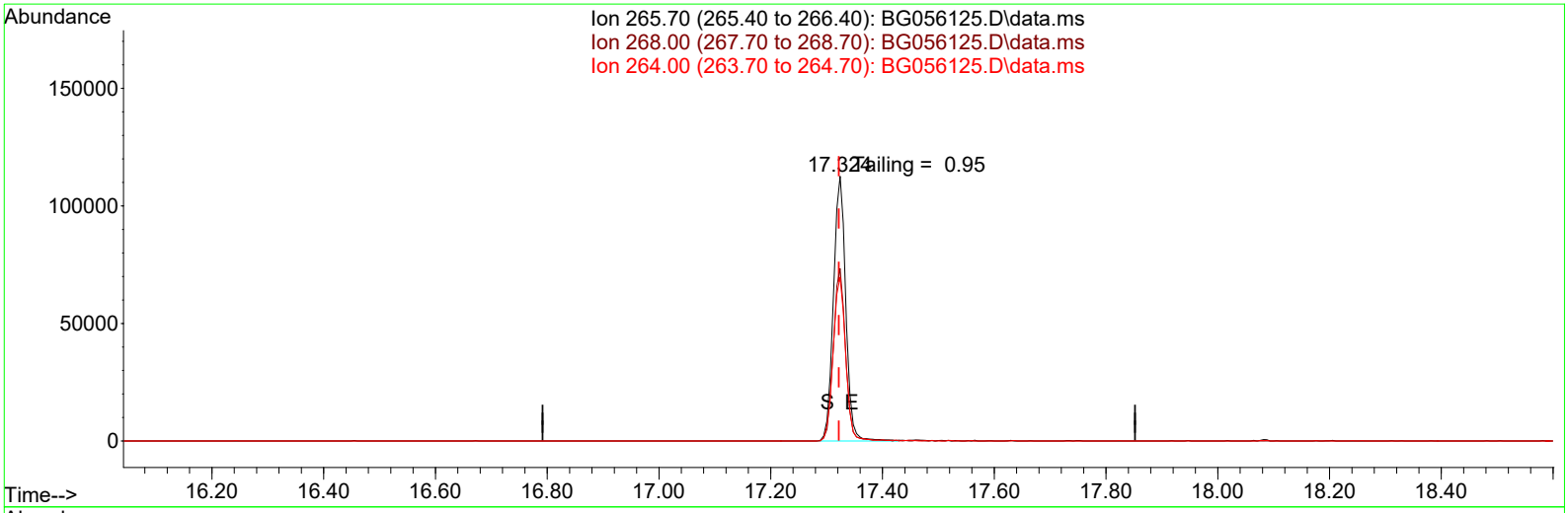
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	15.4	20160	PASS
68	69	0.00	2	0.7	205	PASS
69	198	0.00	100	23.8	31181	PASS
70	69	0.00	2	0.6	187	PASS
127	198	10	80	34.9	45787	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	131133	PASS
199	198	5	9	6.8	8962	PASS
275	198	10	60	31.4	41187	PASS
365	198	1	100	4.0	5228	PASS
441	198	0.01	100	10.6	13843	PASS
442	442	50	100	100.0	90691	PASS
443	442	15	24	21.4	19397	PASS

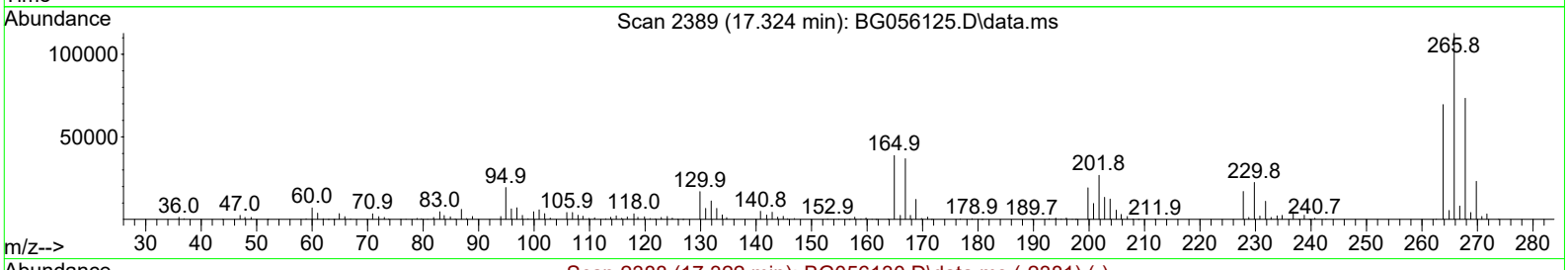
Sample Results: **BG056125.D**

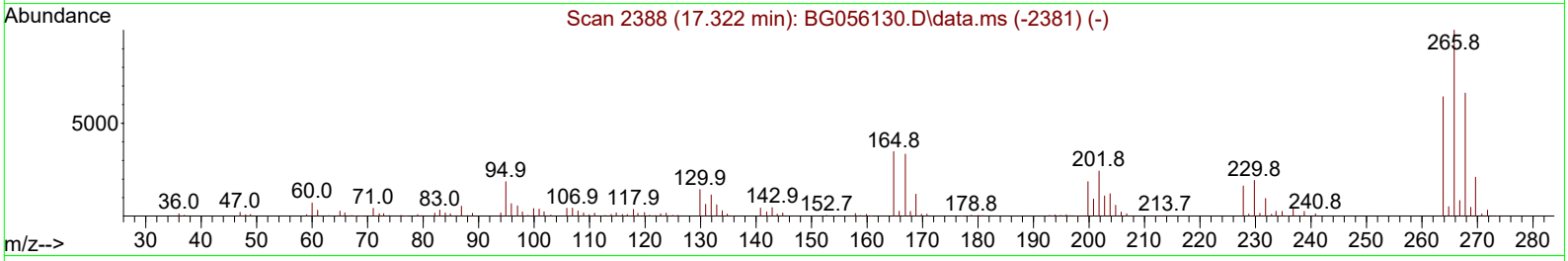
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056125.D
Acq On : 27 Dec 2022 14:13
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Dec 28 06:08:28 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 05:20:14 2022
Response via : Initial Calibration







TIC: BG056125.D\data.ms

(70) Pentachlorophenol (C)

17.324min (+ 0.002) 311339.09 ng

response 173323

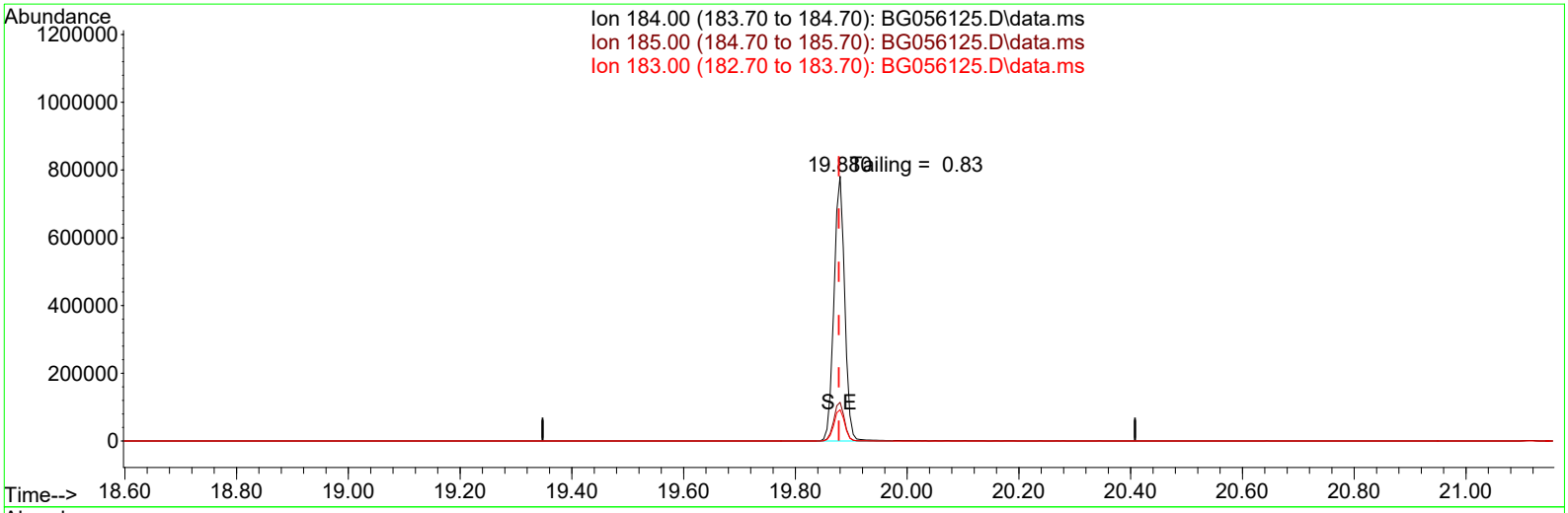
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.20	65.12
264.00	64.30	61.77
0.00	0.00	0.00

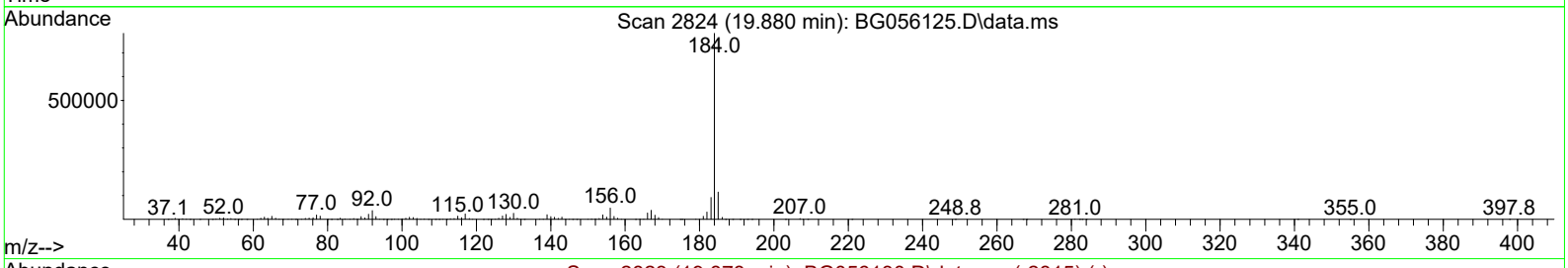
Sample Results: **BG056125.D**

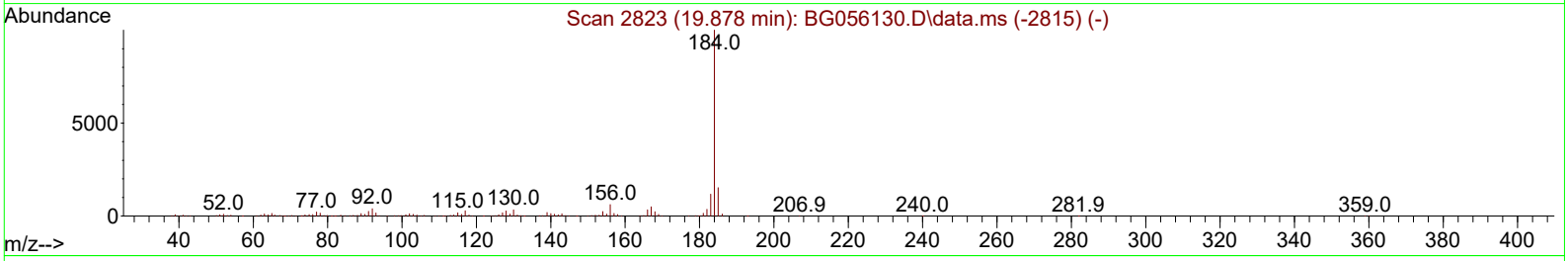
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122722\
Data File : BG056125.D
Acq On : 27 Dec 2022 14:13
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Dec 28 06:08:28 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 05:20:14 2022
Response via : Initial Calibration







TIC: BG056125.D\data.ms

(77) Benzidine

19.880min (+ 0.002) 489409.95 ng

response 1046213

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.20	14.63
183.00	11.70	11.80
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/27/2022	BNA_G	BG056125.D
Compound Name	**Response**	**Retention Time**
DDT	475579	21.114
DDD	6426	20.714
DDE	0	20.016
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6426	482005	1.33

Instrument :
BNA_G
ClientSampleId :
DFTPP

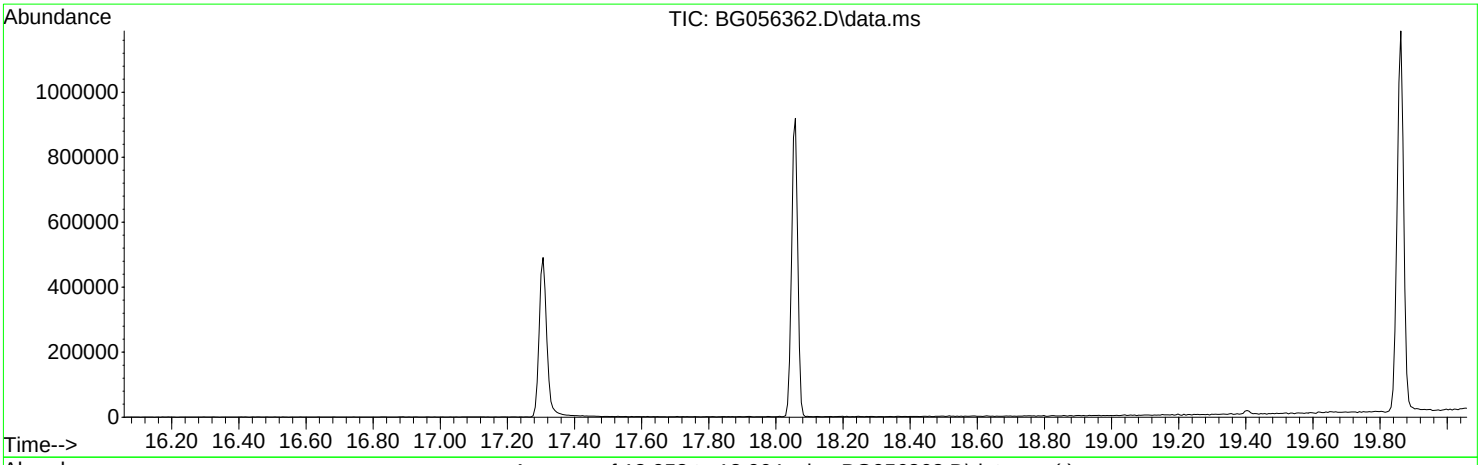
Sample Results: **BG056362.D**

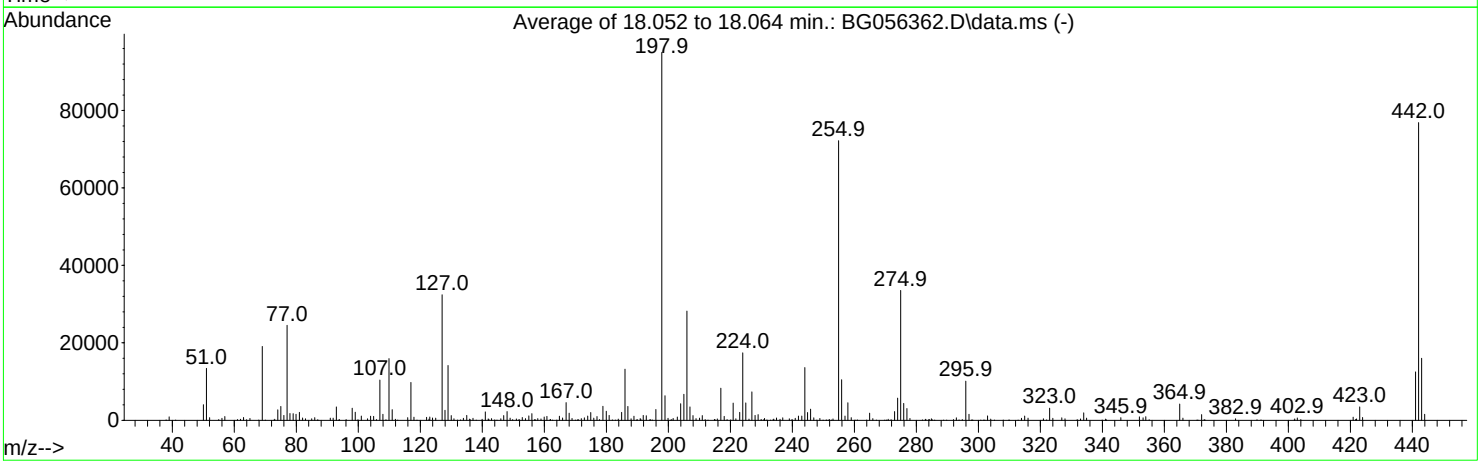
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056362.D
Acq On : 20 Jan 2023 11:01
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jan 19 00:31:30 2023





AutoFind: Scans 2513, 2514, 2515; Background Corrected with Scan 2506

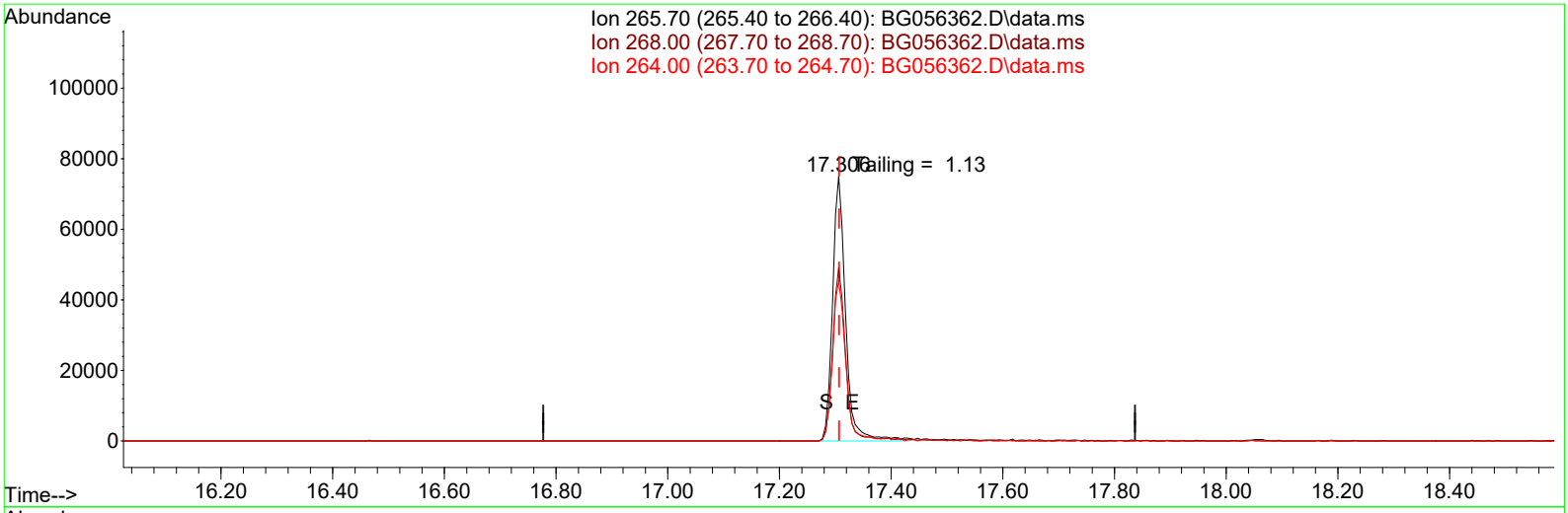
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	14.1	13408	PASS
68	69	0.00	2	0.4	67	PASS
69	198	0.00	100	20.1	19060	PASS
70	69	0.00	2	0.3	53	PASS
127	198	10	80	34.1	32427	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	94995	PASS
199	198	5	9	6.7	6325	PASS
275	198	10	60	35.3	33512	PASS
365	198	1	100	4.4	4190	PASS
441	198	0.01	100	13.1	12489	PASS
442	442	50	100	100.0	76885	PASS
443	442	15	24	20.8	16001	PASS

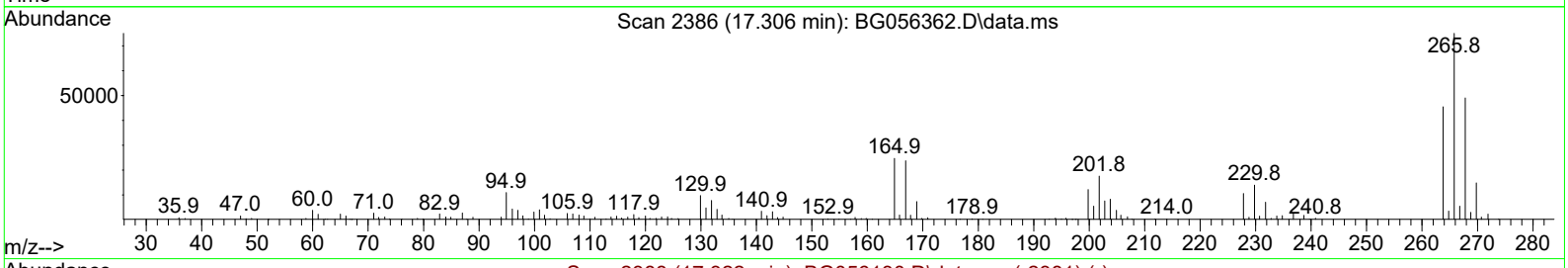
Sample Results: **BG056362.D**

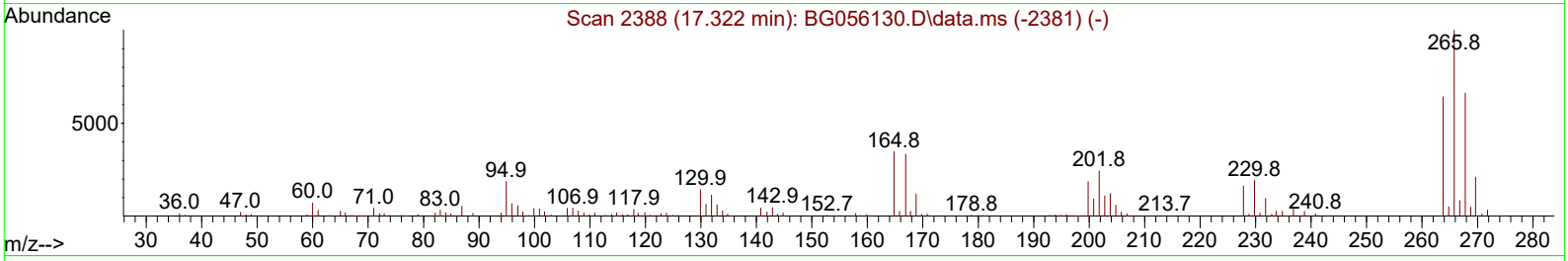
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056362.D
Acq On : 20 Jan 2023 11:01
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Jan 23 01:11:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration







TIC: BG056362.D\data.ms

(70) Pentachlorophenol (C)

17.306min (-0.001) 24675.65 ng

response 121606

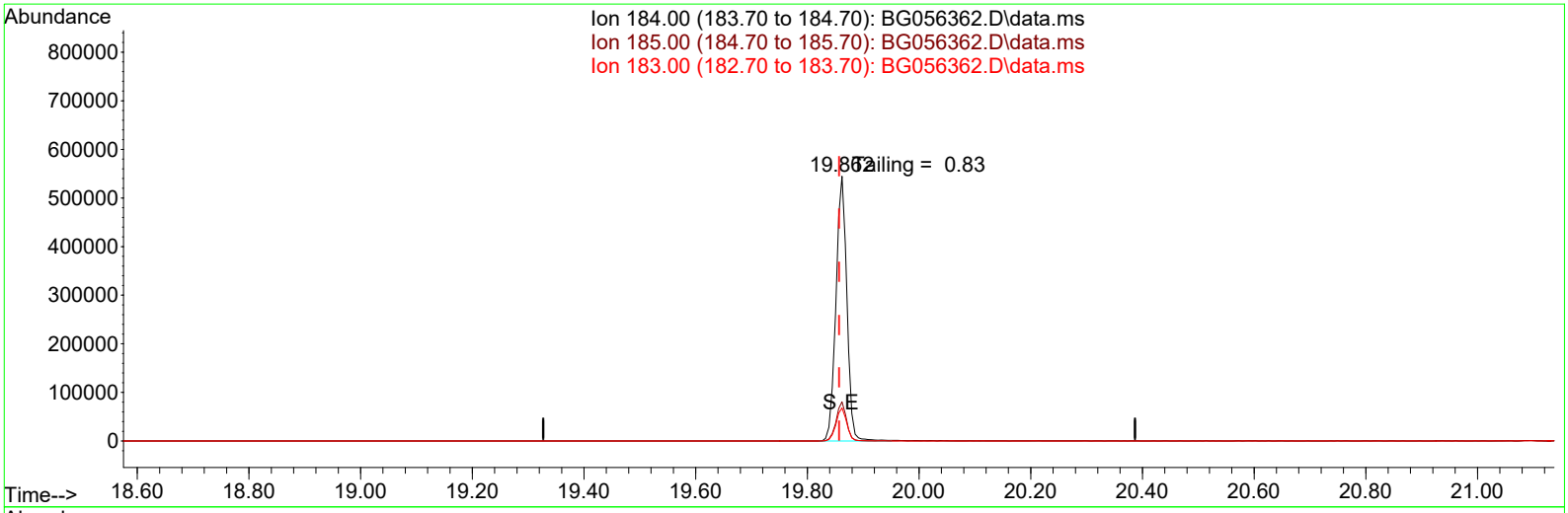
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.20	65.36
264.00	64.30	60.61
0.00	0.00	0.00

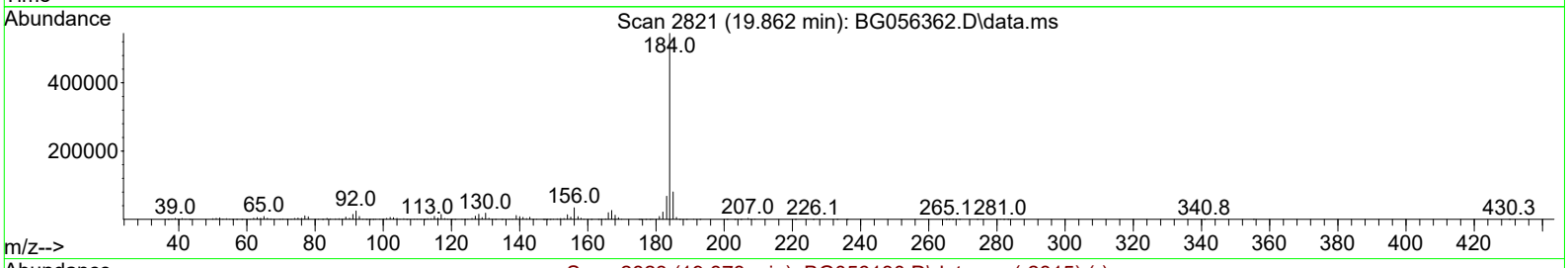
Sample Results: **BG056362.D**

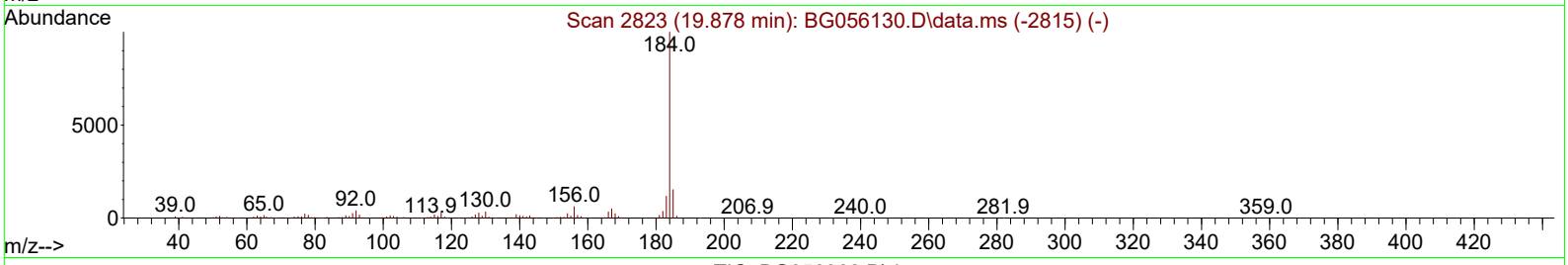
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056362.D
Acq On : 20 Jan 2023 11:01
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Jan 23 01:11:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration







TIC: BG056362.D\data.ms

(77) Benzidine

19.862min (+ 0.005) 375019.64 ng

response 735969

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.20	14.79
183.00	11.70	12.48
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/20/2023	BNA_G	BG056362.D
Compound Name	**Response**	**Retention Time**
DDT	336671	21.09
DDD	11056	20.638
DDE	1300	20.138
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
12356	349027	3.54

Instrument :
BNA_G
ClientSampleId :
DFTPP

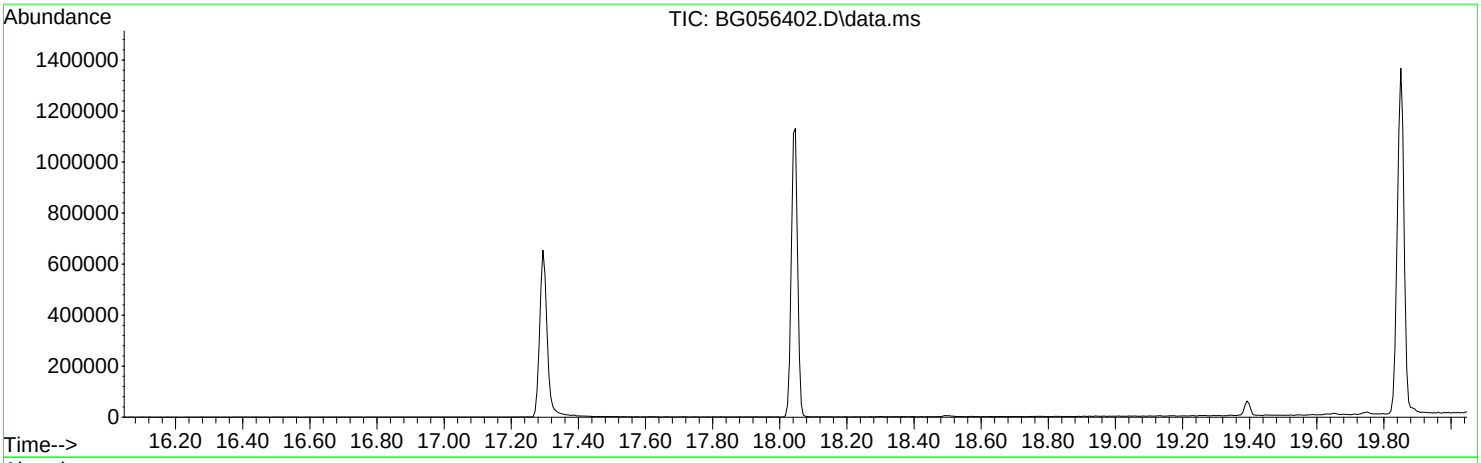
Sample Results: **BG056402.D**

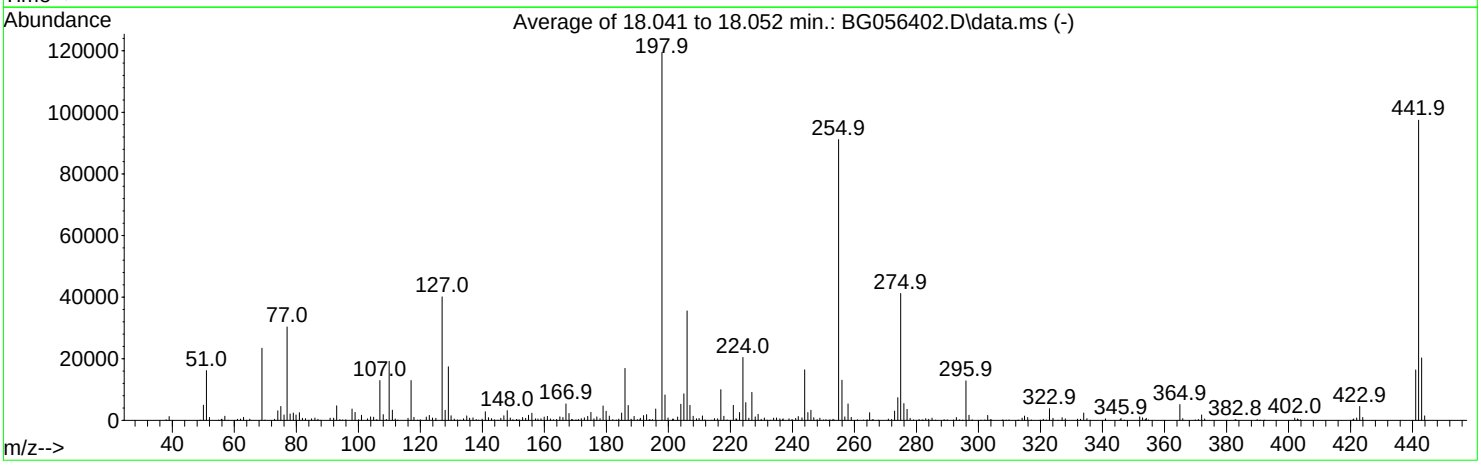
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056402.D
Acq On : 24 Jan 2023 14:15
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 25 04:54:56 2023





AutoFind: Scans 2511, 2512, 2513; Background Corrected with Scan 2504

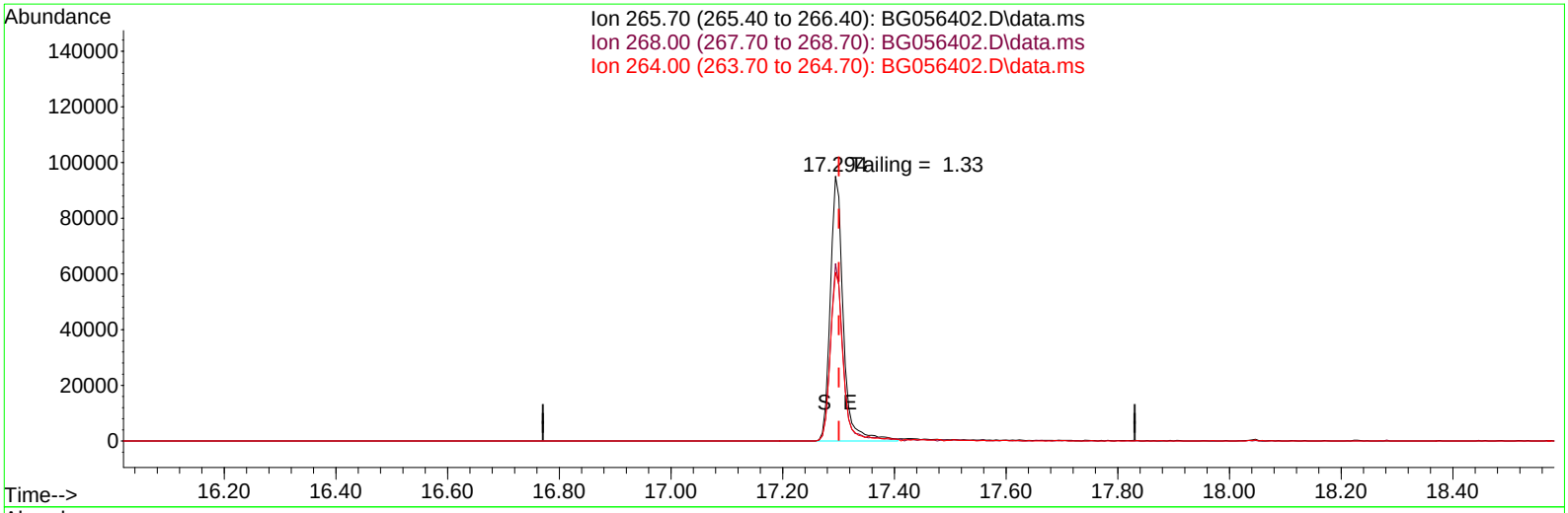
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	13.5	16130	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	19.6	23416	PASS
70	69	0.00	2	0.3	70	PASS
127	198	10	80	33.6	40109	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	119448	PASS
199	198	5	9	6.9	8243	PASS
275	198	10	60	34.5	41197	PASS
365	198	1	100	4.3	5125	PASS
441	198	0.01	100	13.7	16337	PASS
442	442	50	100	100.0	97448	PASS
443	442	15	24	20.8	20221	PASS

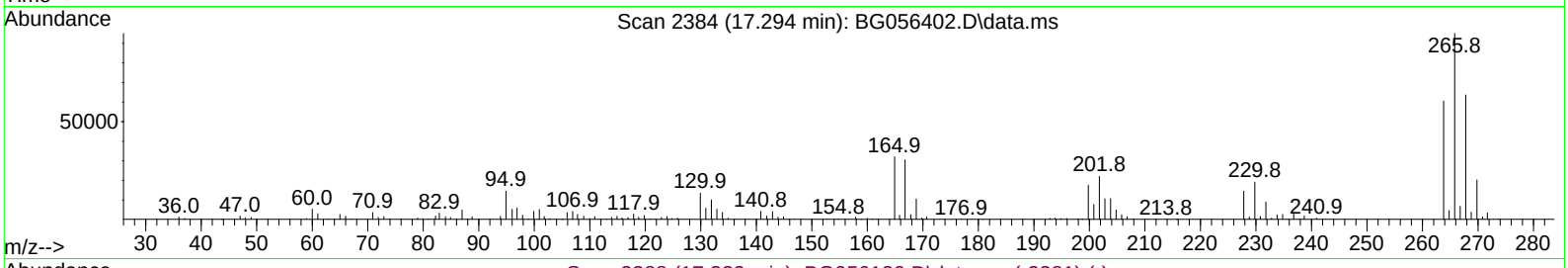
Sample Results: **BG056402.D**

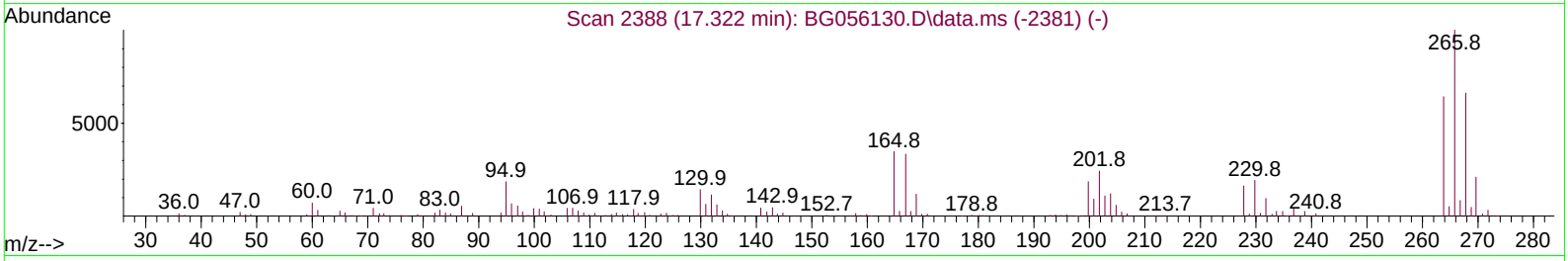
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056402.D
Acq On : 24 Jan 2023 14:15
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Jan 25 08:31:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 04:54:56 2023
Response via : Initial Calibration







TIC: BG056402.D\data.ms

(70) Pentachlorophenol (C)

17.294min (-0.006) 23265.80 ng

response 153939

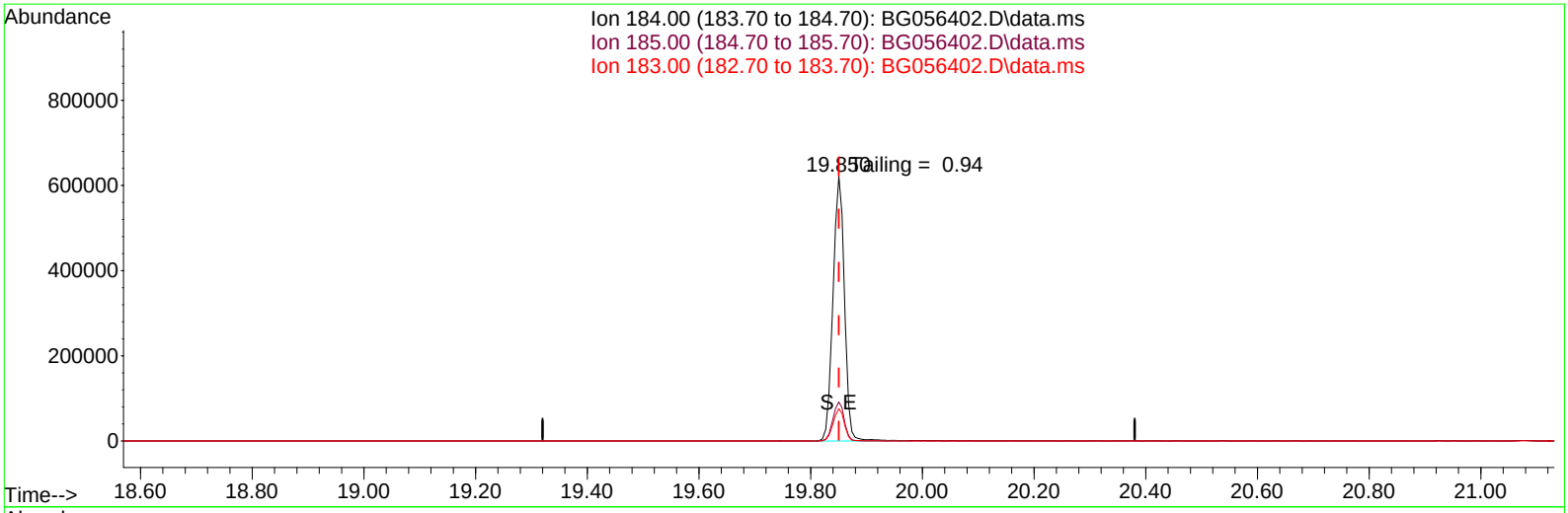
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.20	66.97
264.00	64.30	63.68
0.00	0.00	0.00

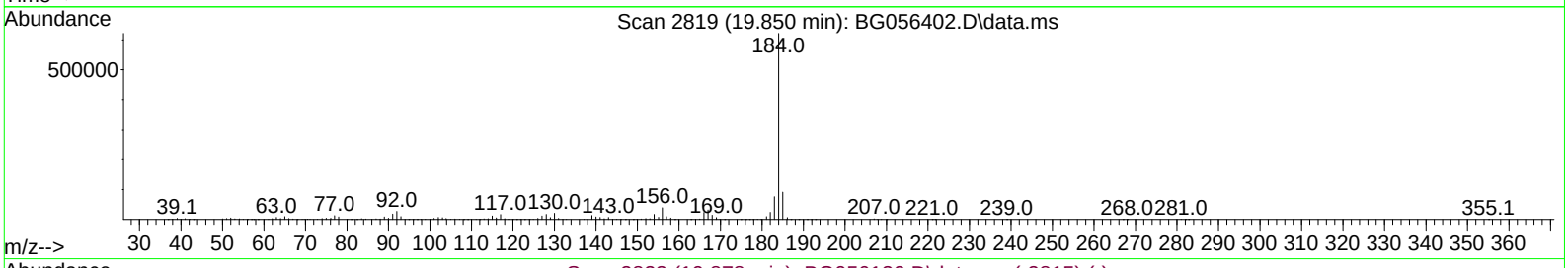
Sample Results: **BG056402.D**

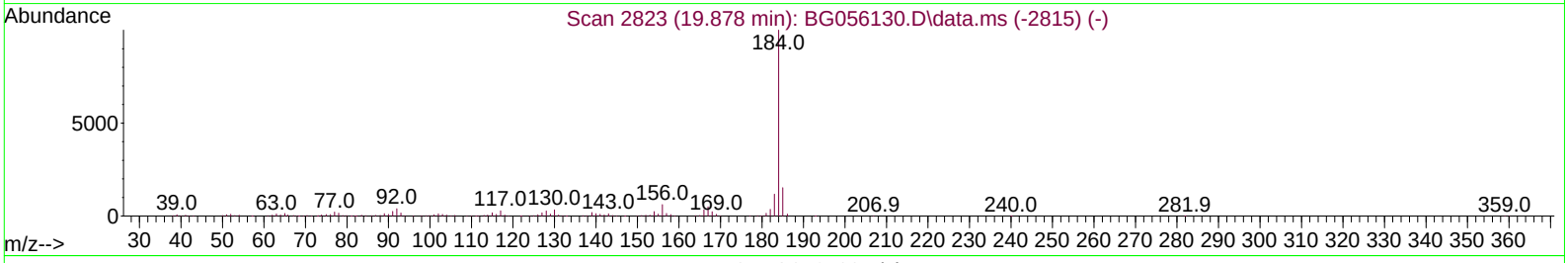
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056402.D
Acq On : 24 Jan 2023 14:15
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Jan 25 08:31:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 04:54:56 2023
Response via : Initial Calibration







TIC: BG056402.D\data.ms

(77) Benzidine

19.850min (+ 0.000) 416502.24 ng

response 890358

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.20	14.76
183.00	11.70	12.24
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/24/2023	BNA_G	BG056402.D
Compound Name	**Response**	**Retention Time**
DDT	431605	21.078
DDD	22595	20.626
DDE	1699	20.126
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
24294	455899	5.33

Instrument :
BNA_G
ClientSampleId :
DFTPP

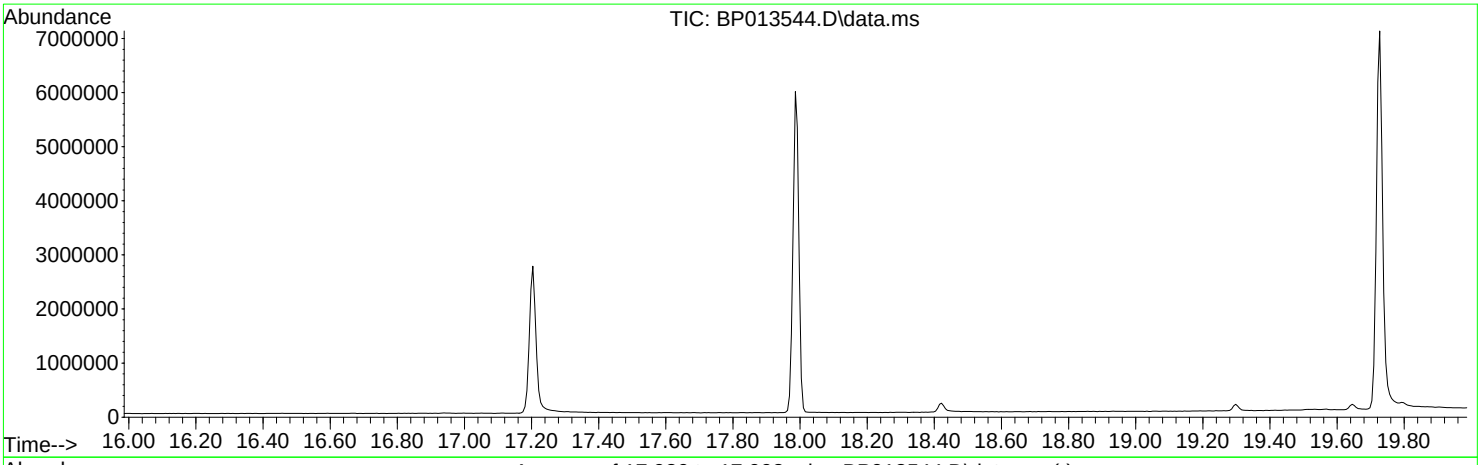
Sample Results: **BP013544.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013544.D
Acq On : 23 Jan 2023 10:51
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jan 24 04:44:15 2023



AutoFind: Scans 2515, 2516, 2517; Background Corrected with Scan 2505

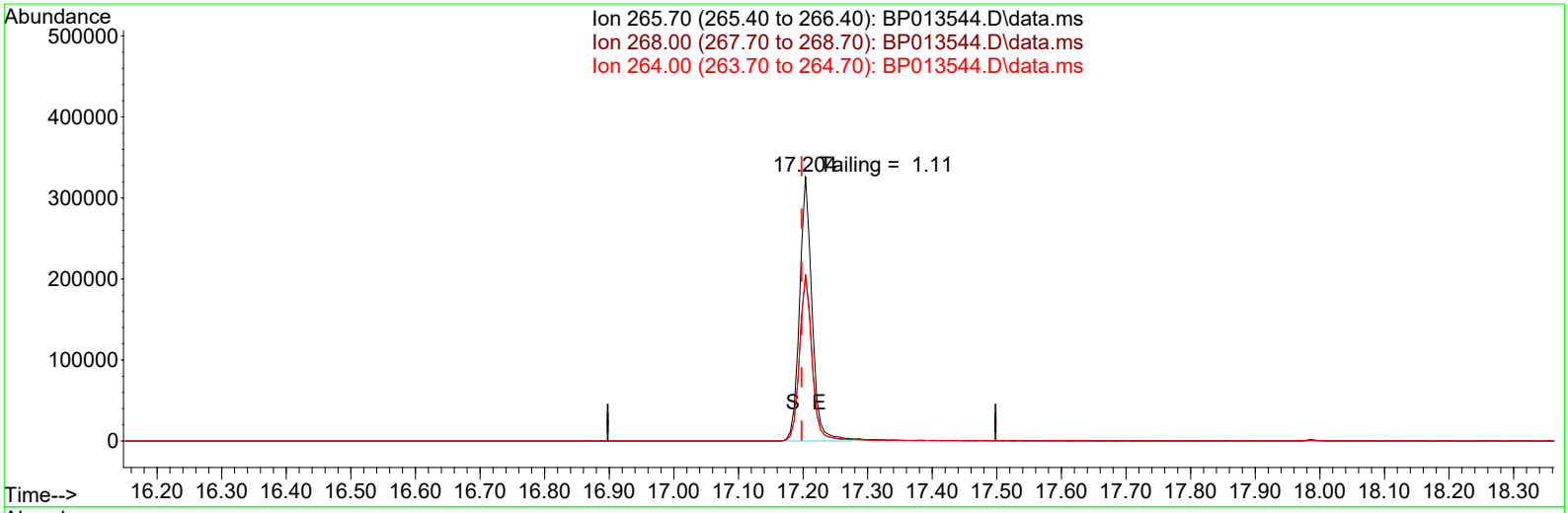
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.4	215161	PASS
68	69	0.00	2	1.7	3171	PASS
69	198	0.00	100	34.2	191778	PASS
70	69	0.00	2	0.6	1101	PASS
127	198	10	80	47.0	263314	PASS
197	198	0.00	2	0.6	3272	PASS
198	198	100	100	100.0	560212	PASS
199	198	5	9	6.8	37959	PASS
275	198	10	60	26.6	149212	PASS
365	198	1	100	3.4	19282	PASS
441	198	0.01	100	15.2	85136	PASS
442	442	100	100	100.0	562603	PASS
443	442	15	24	19.9	111780	PASS

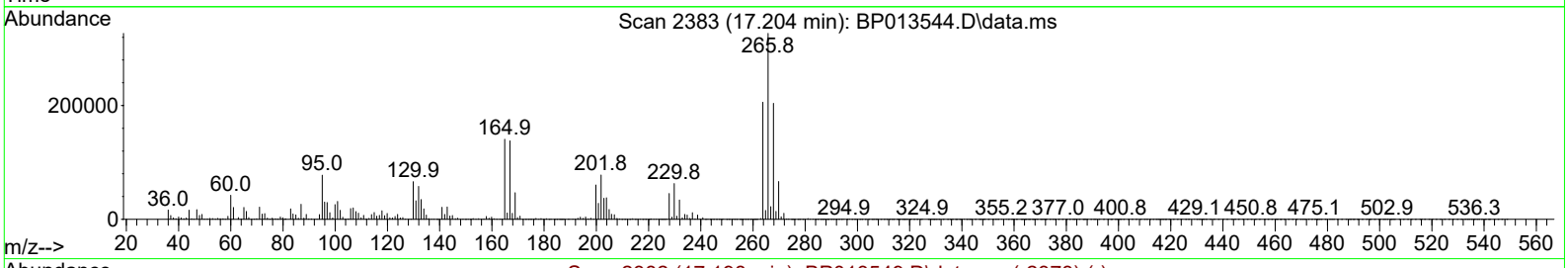
Sample Results: **BP013544.D**

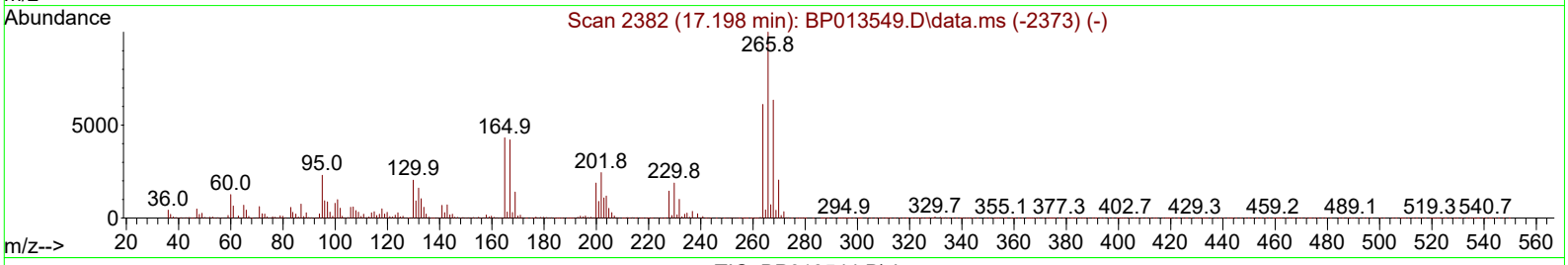
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013544.D
Acq On : 23 Jan 2023 10:51
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Jan 24 06:33:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 04:44:15 2023
Response via : Initial Calibration







TIC: BP013544.D\data.ms

(70) Pentachlorophenol (C)

17.204min (+ 0.006) 143380.43 ng

response 446504

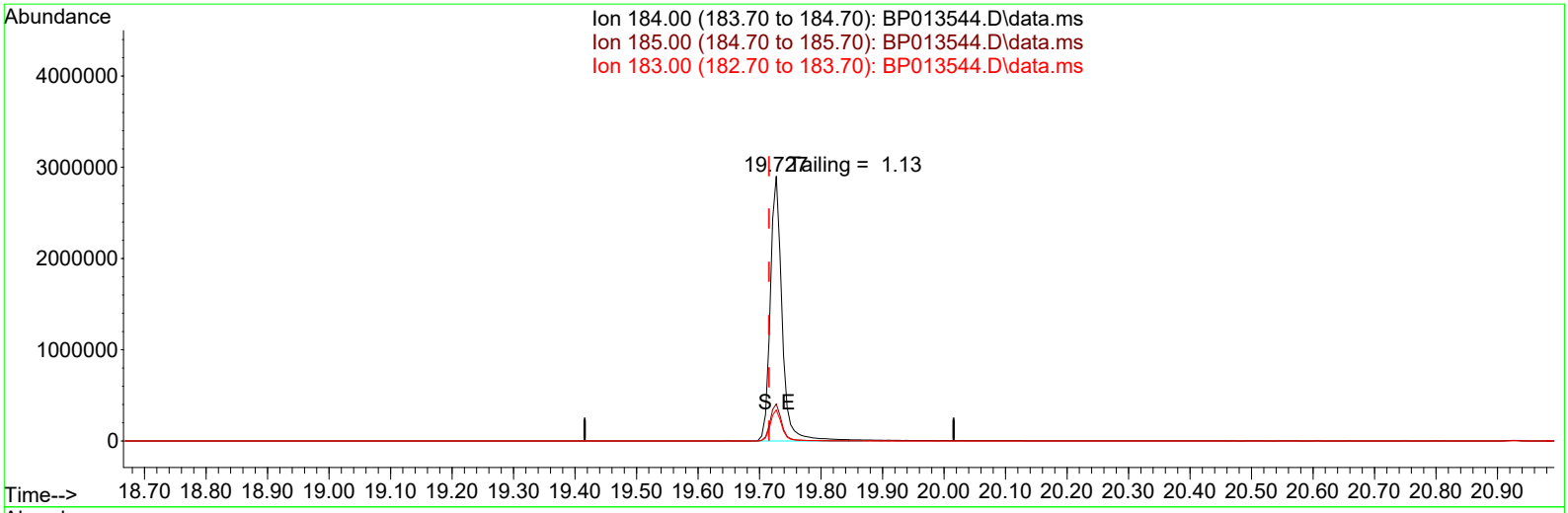
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.40	62.40
264.00	61.10	62.99
0.00	0.00	0.00

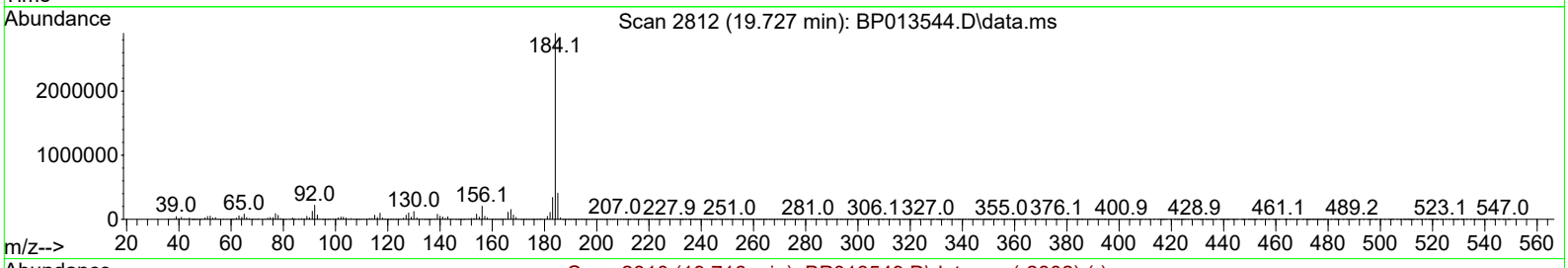
Sample Results: **BP013544.D**

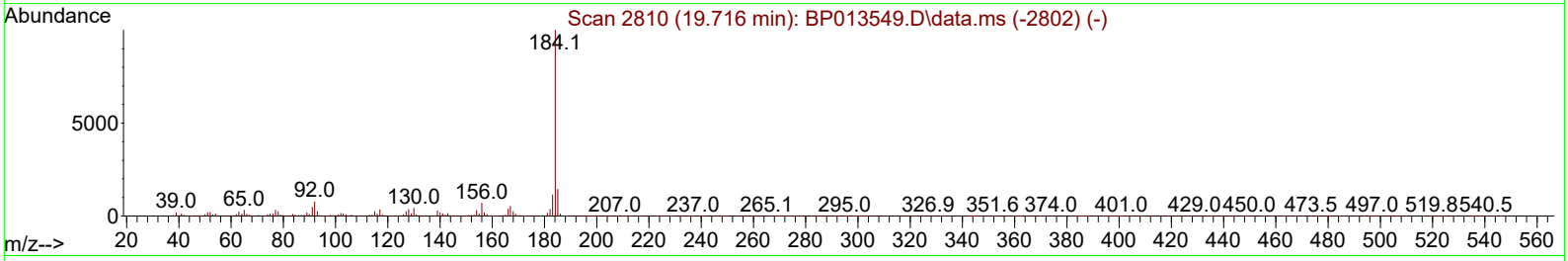
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012323\
Data File : BP013544.D
Acq On : 23 Jan 2023 10:51
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Jan 24 06:33:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 04:44:15 2023
Response via : Initial Calibration







TIC: BP013544.D\data.ms

(77) Benzidine

19.727min (+ 0.011) 235734.26 ng

response 3930835

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.04
183.00	11.30	11.74
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/23/2023	BNA_P	BP013544.D
Compound Name	**Response**	**Retention Time**
DDT	1143440	20.927
DDD	15344	20.551
DDE	848	19.998
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
16192	1159632	1.40

Instrument :
BNA_P
ClientSampleId :
DFTPP

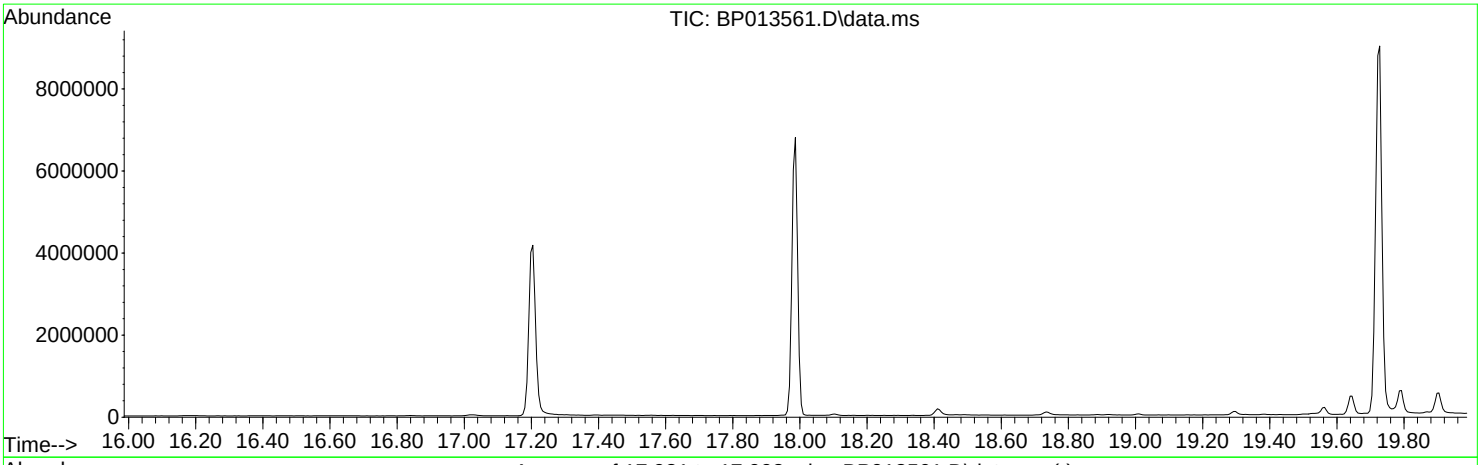
Sample Results: **BP013561.D**

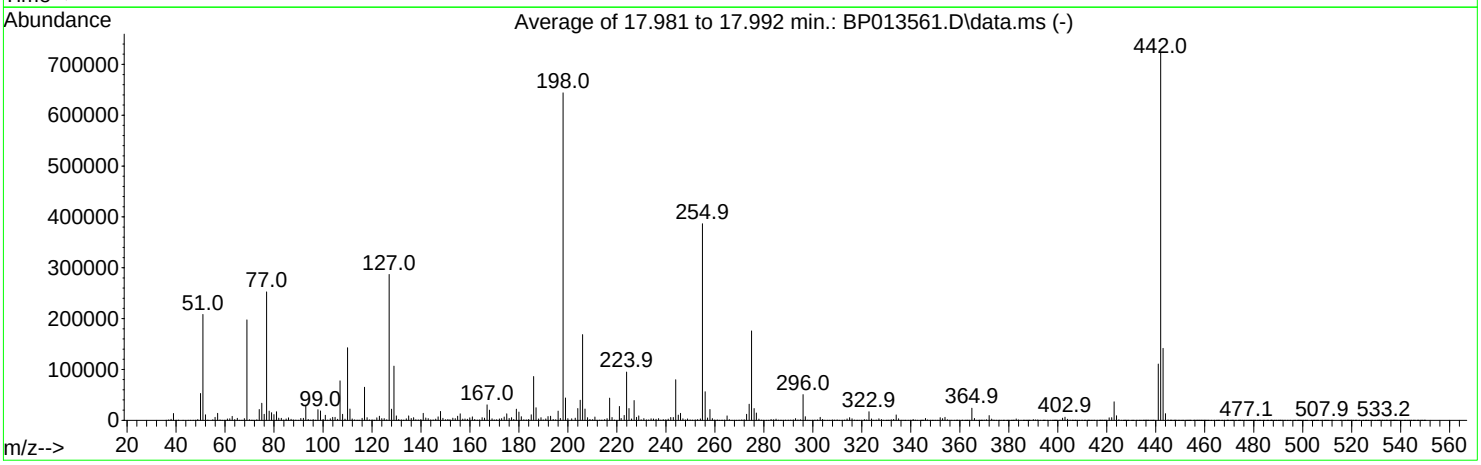
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013561.D
Acq On : 24 Jan 2023 09:20
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 25 03:43:27 2023





AutoFind: Scans 2515, 2516, 2517; Background Corrected with Scan 2507

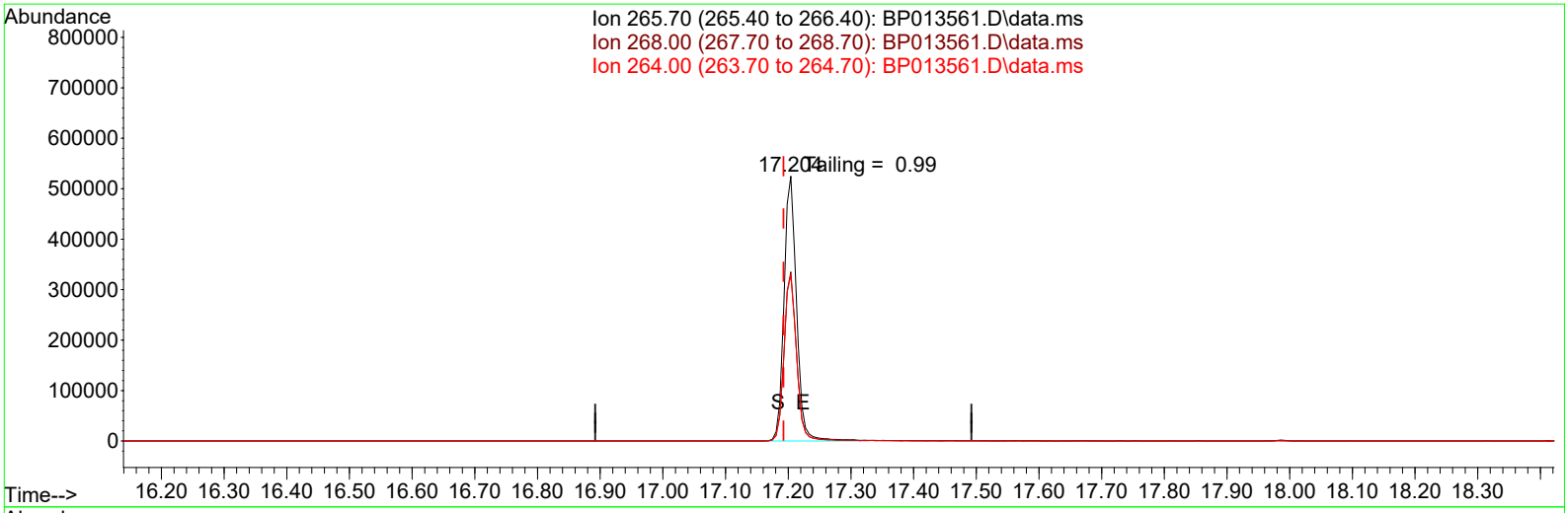
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.3	208032	PASS
68	69	0.00	2	1.6	3176	PASS
69	198	0.00	100	30.6	197329	PASS
70	69	0.00	2	0.5	1025	PASS
127	198	10	80	44.6	286997	PASS
197	198	0.00	2	0.5	3516	PASS
198	198	100	100	100.0	643968	PASS
199	198	5	9	6.8	43992	PASS
275	198	10	60	27.3	175787	PASS
365	198	1	100	3.7	23755	PASS
441	198	0.01	100	17.2	110696	PASS
442	442	100	100	100.0	723465	PASS
443	442	15	24	19.5	141424	PASS

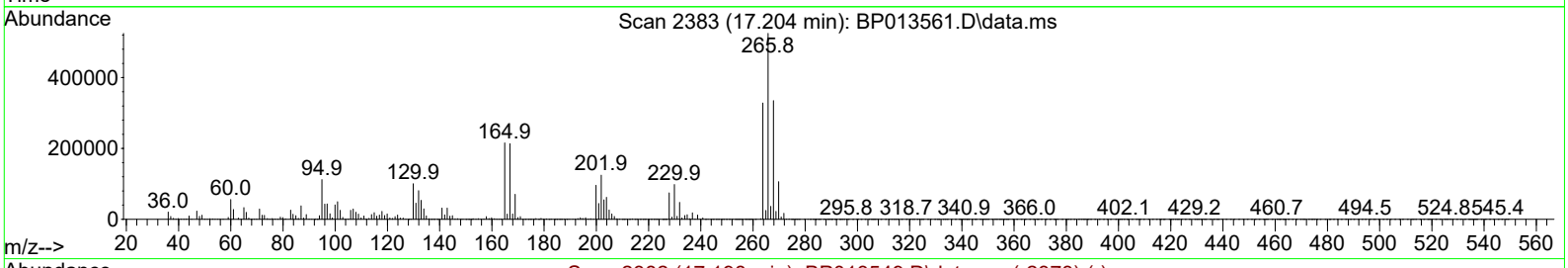
Sample Results: **BP013561.D**

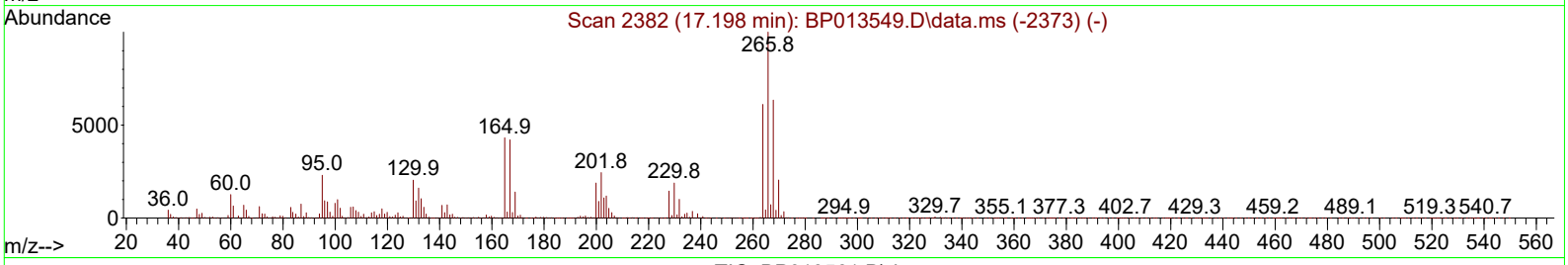
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013561.D
Acq On : 24 Jan 2023 09:20
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Jan 25 05:54:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration







TIC: BP013561.D\data.ms

(70) Pentachlorophenol (C)

17.204min (+ 0.012) 507480.60 ng

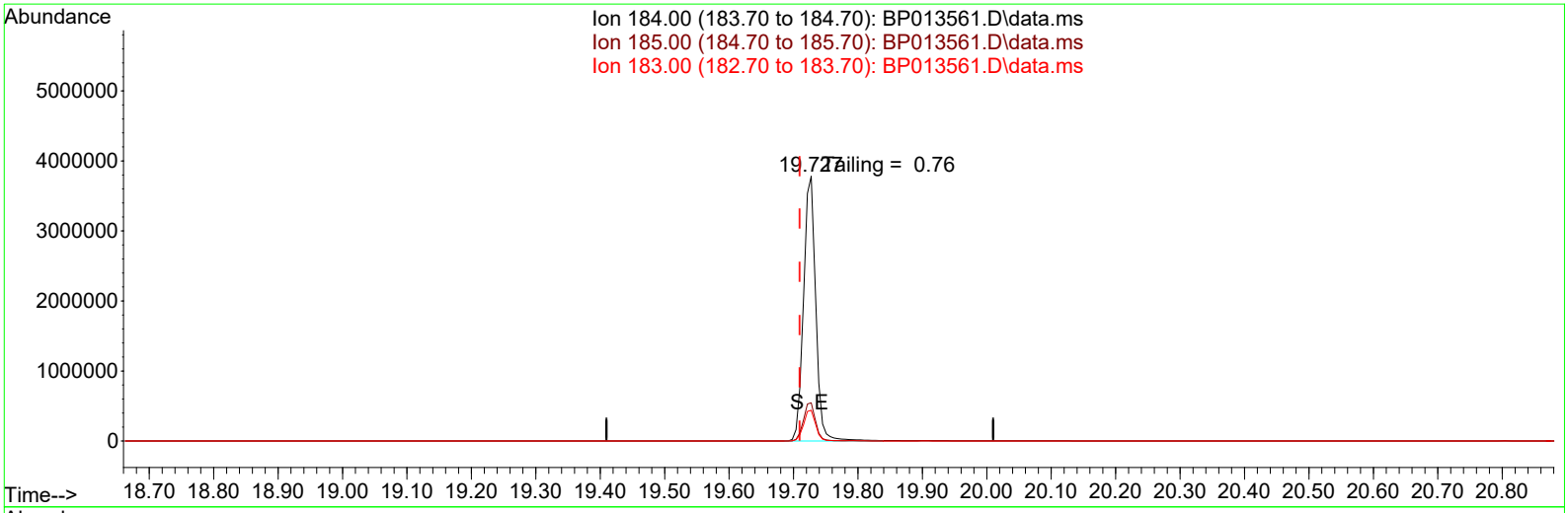
response 738098

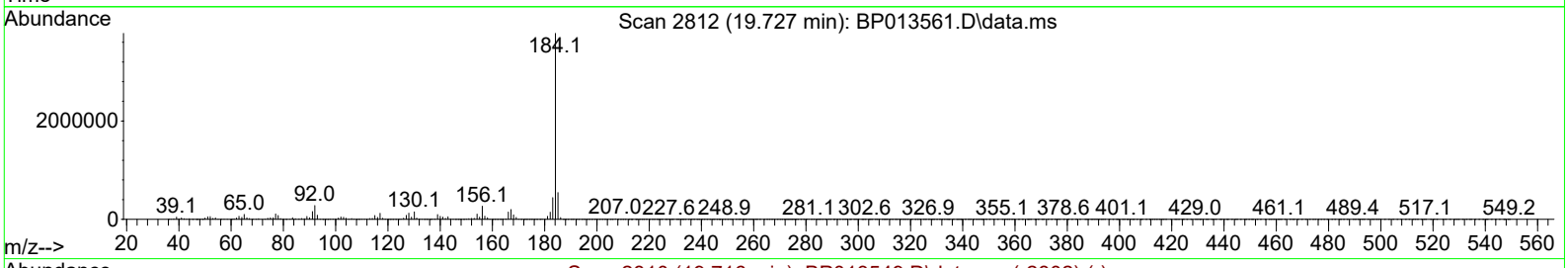
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.40	63.85
264.00	61.10	62.55
0.00	0.00	0.00

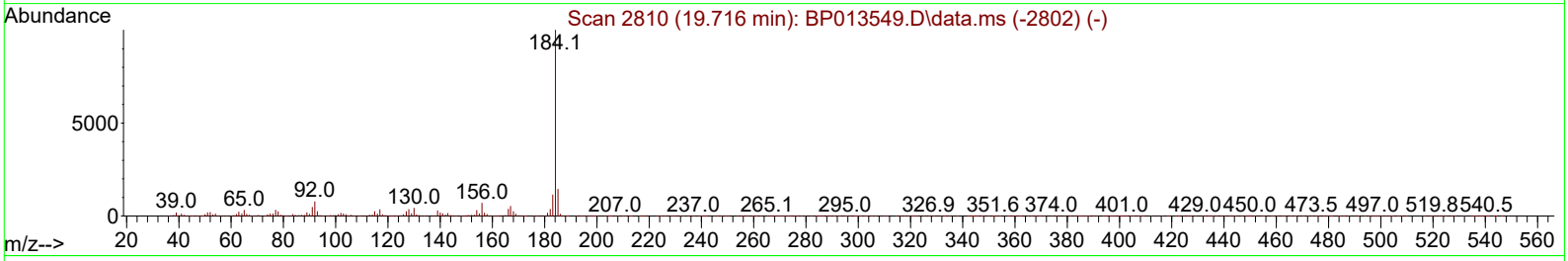
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013561.D
Acq On : 24 Jan 2023 09:20
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Jan 25 05:54:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration







TIC: BP013561.D\data.ms

(77) Benzidine

19.727min (+ 0.017) 12021.93 ng

response 5000716

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.42
183.00	11.30	11.62
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/24/2023	BNA_P	BP013561.D
Compound Name	**Response**	**Retention Time**
DDT	2051182	20.922
DDD	26353	20.545
DDE	1510	19.998
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
27863	2079045	1.34

Instrument :
BNA_P
ClientSampleId :
DFTPP

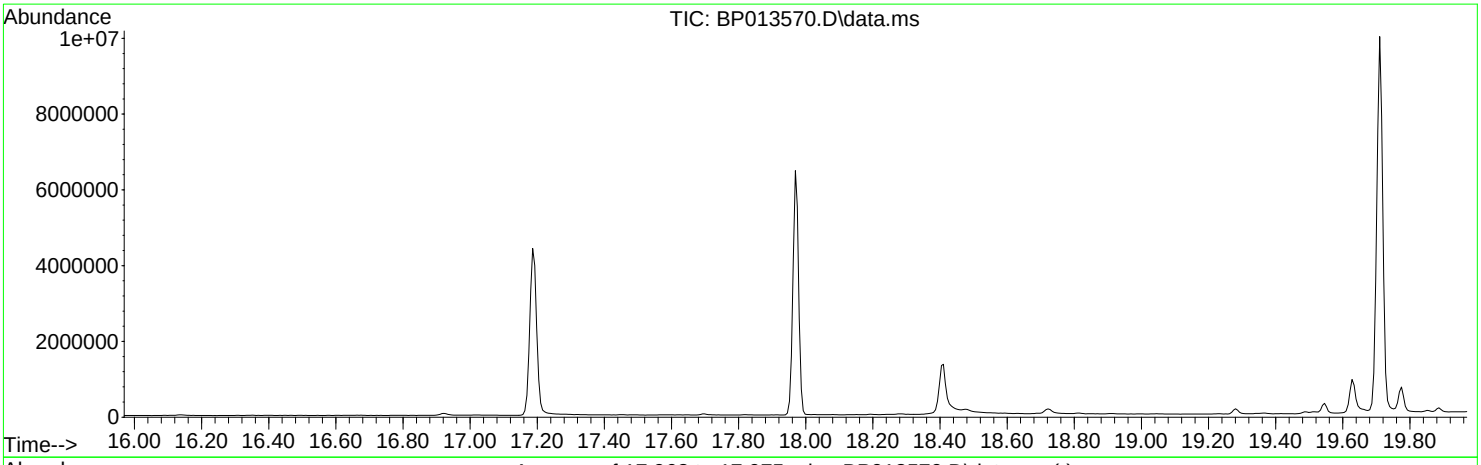
Sample Results: **BP013570.D**

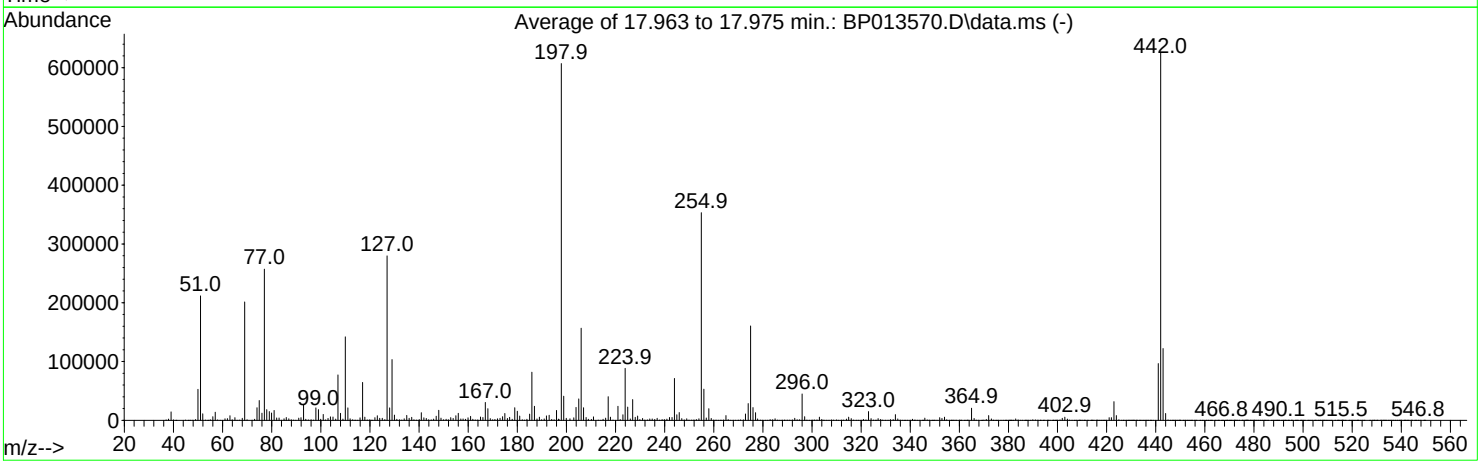
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013570.D
Acq On : 24 Jan 2023 14:38
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 25 03:43:27 2023





AutoFind: Scans 2512, 2513, 2514; Background Corrected with Scan 2502

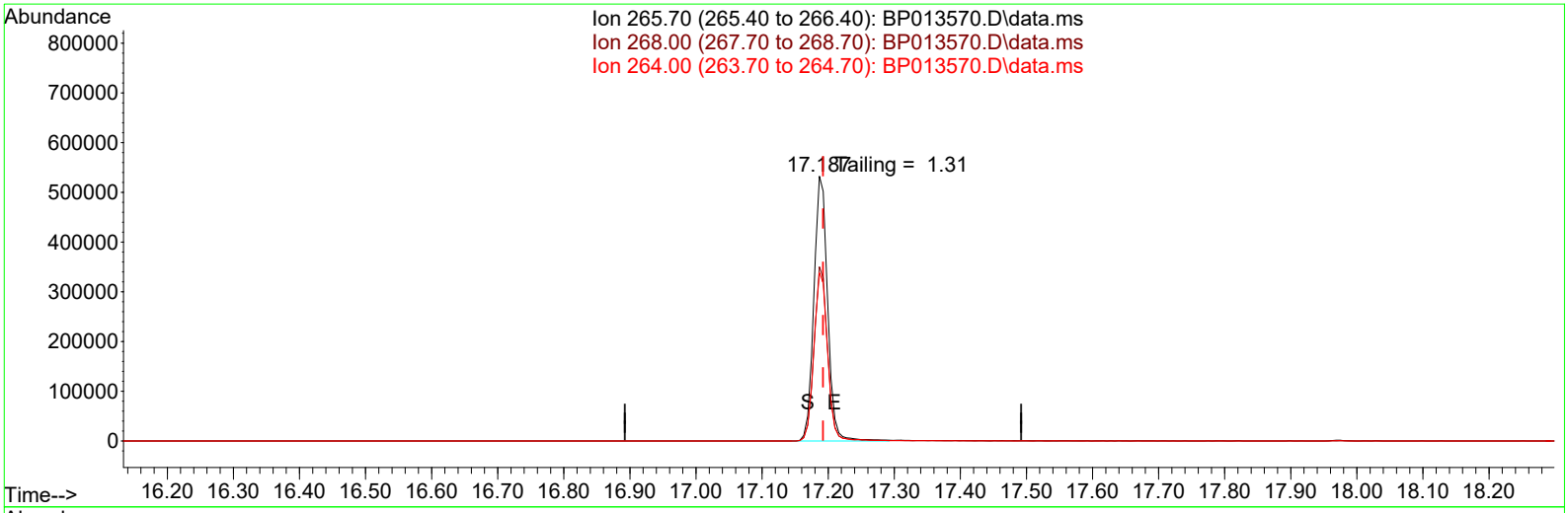
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.9	211597	PASS
68	69	0.00	2	1.7	3424	PASS
69	198	0.00	100	33.2	201447	PASS
70	69	0.00	2	0.5	1018	PASS
127	198	10	80	46.1	279631	PASS
197	198	0.00	2	0.4	2190	PASS
198	198	100	100	100.0	607125	PASS
199	198	5	9	6.8	41023	PASS
275	198	10	60	26.4	160504	PASS
365	198	1	100	3.4	20609	PASS
441	198	0.01	100	15.9	96521	PASS
442	442	100	100	100.0	625920	PASS
443	442	15	24	19.5	122139	PASS

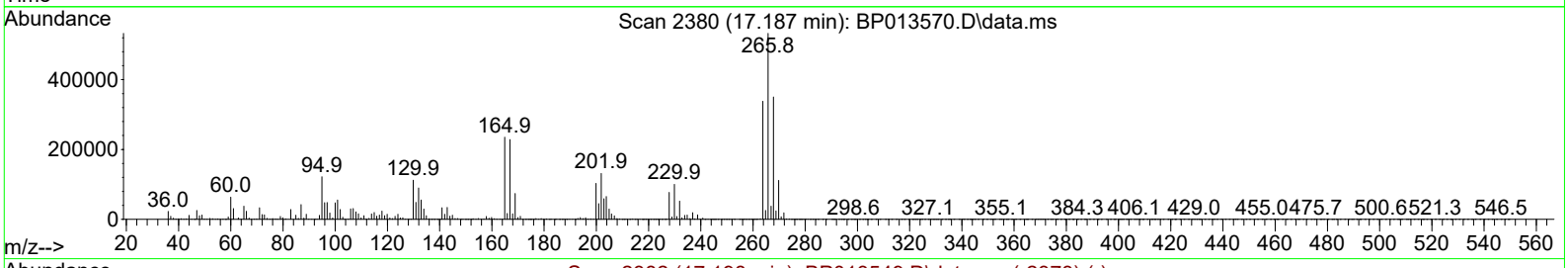
Sample Results: **BP013570.D**

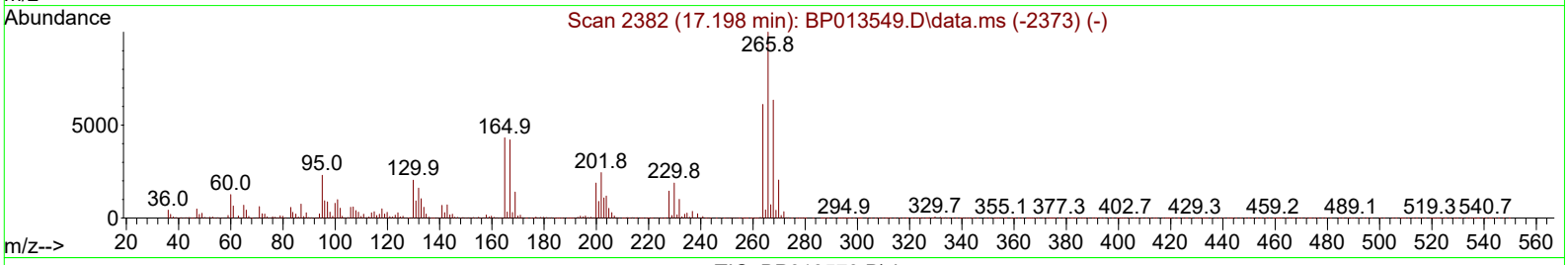
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013570.D
Acq On : 24 Jan 2023 14:38
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Jan 25 05:55:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration







TIC: BP013570.D\data.ms

(70) Pentachlorophenol (C)

17.187min (-0.006) 3605533.60 ng

response 771186

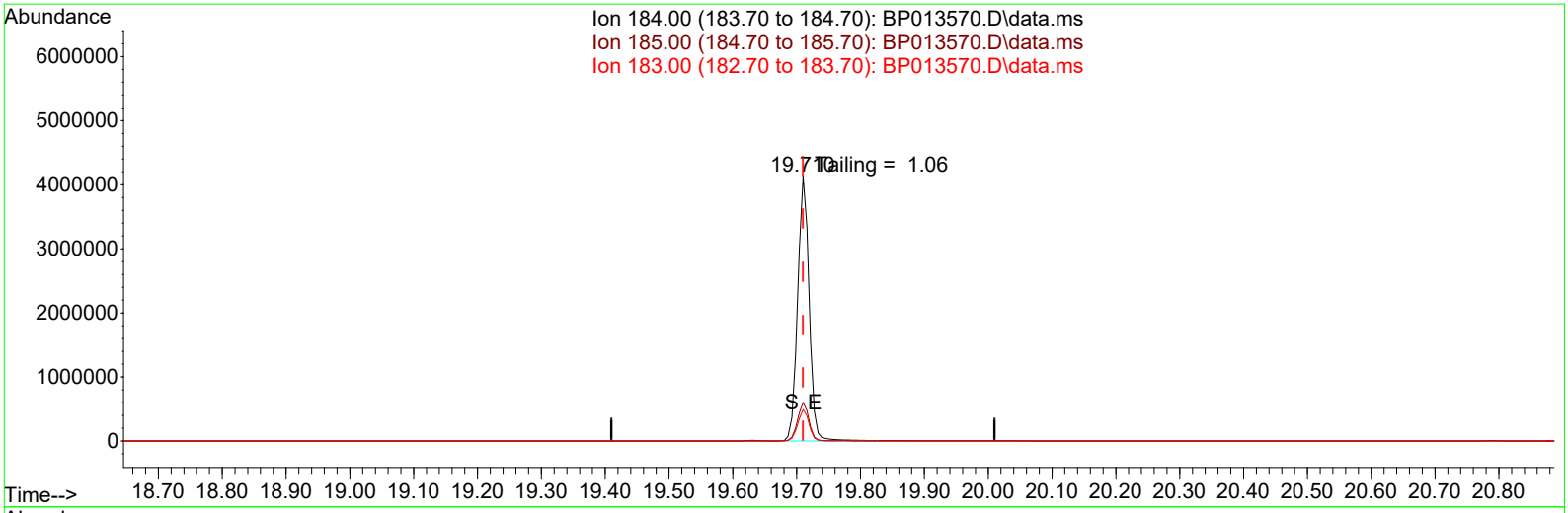
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.40	65.77
264.00	61.10	63.50
0.00	0.00	0.00

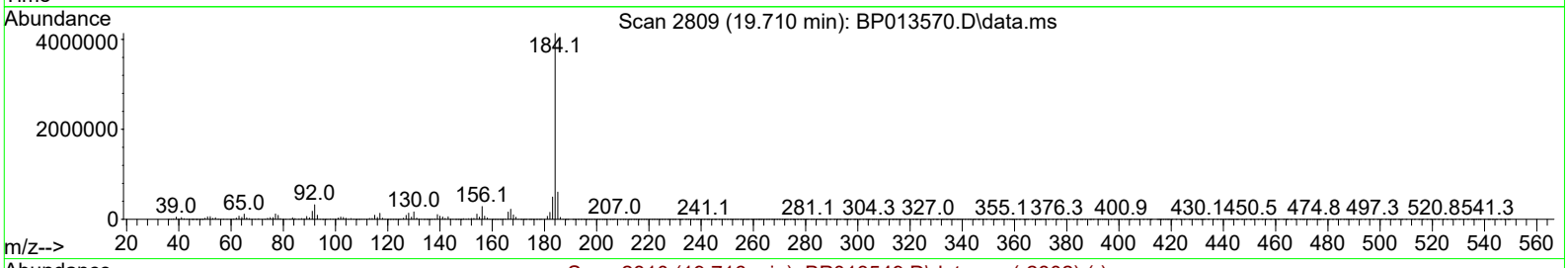
Sample Results: **BP013570.D**

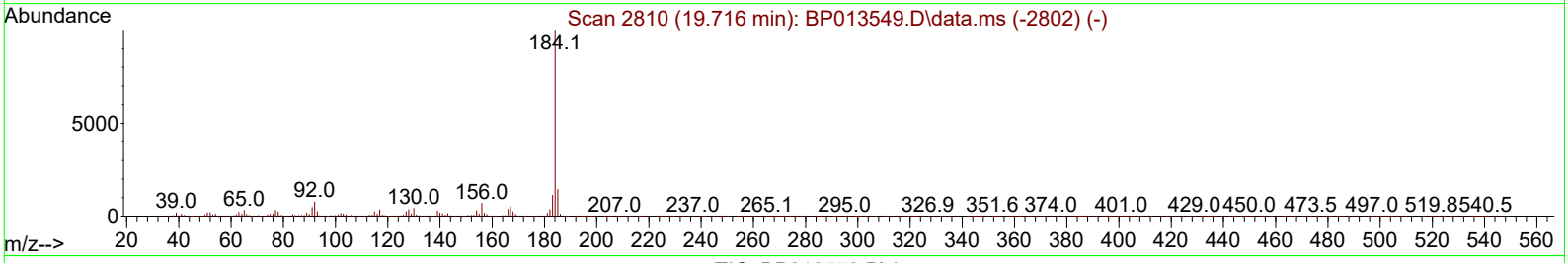
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013570.D
Acq On : 24 Jan 2023 14:38
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Jan 25 05:55:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration







TIC: BP013570.D\data.ms

(77) Benzidine

19.710min (-0.000) 7395893.28 ng

response 5208315

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.60
183.00	11.30	11.97
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/24/2023	BNA_P	BP013570.D
Compound Name	**Response**	**Retention Time**
DDT	2182546	20.91
DDD	31504	20.533
DDE	1321	19.986
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
32825	2215371	1.48

Instrument :
BNA_P
ClientSampleId :
DFTPP

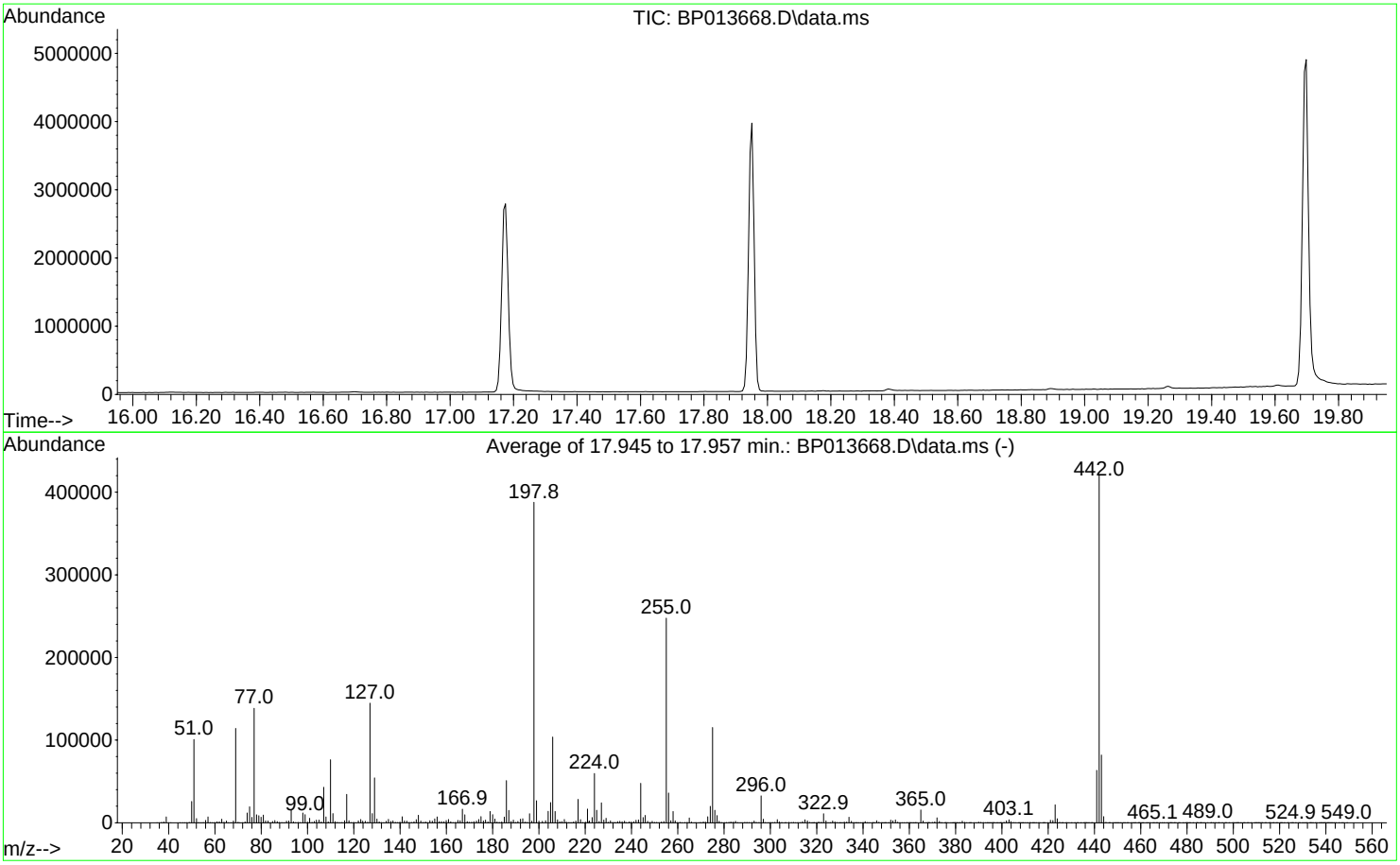
Sample Results: **BP013668.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013668.D
Acq On : 31 Jan 2023 10:47
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Feb 01 03:43:48 2023



AutoFind: Scans 2509, 2510, 2511; Background Corrected with Scan 2500

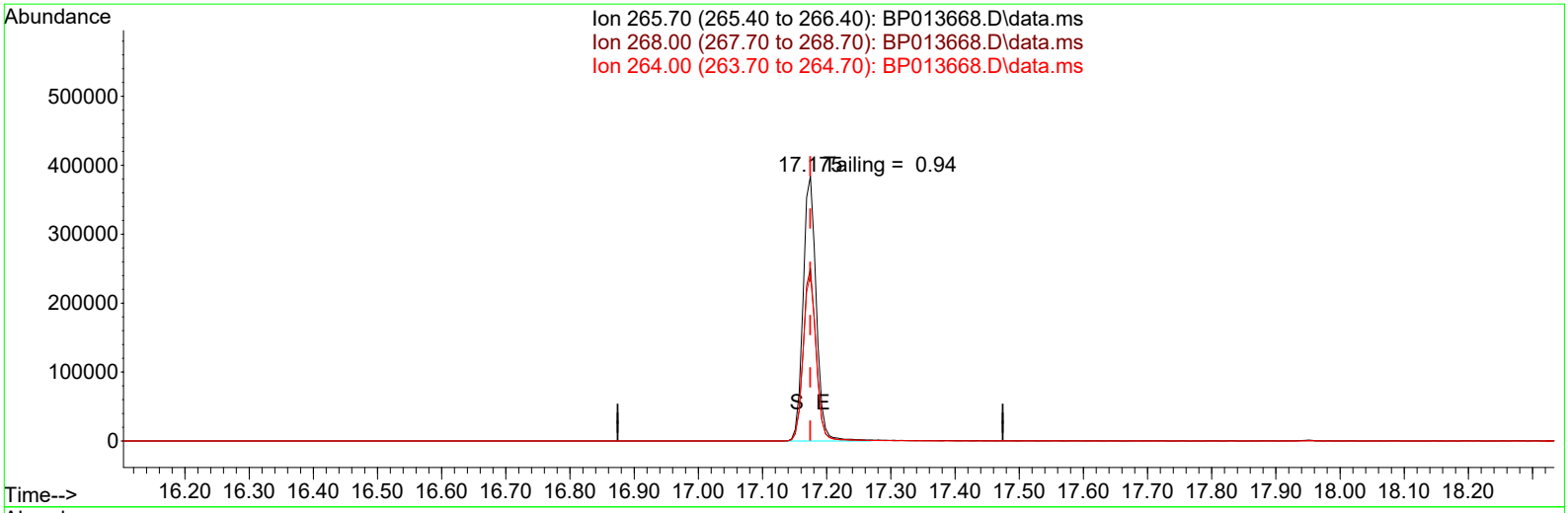
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	26.0	100852	PASS
68	69	0.00	2	1.8	2052	PASS
69	198	0.00	100	29.4	114090	PASS
70	69	0.00	2	0.6	711	PASS
127	198	10	80	37.3	144733	PASS
197	198	0.00	2	0.5	1900	PASS
198	198	100	100	100.0	387796	PASS
199	198	5	9	6.8	26563	PASS
275	198	10	60	29.7	115181	PASS
365	198	1	100	4.0	15400	PASS
441	198	0.01	100	16.4	63451	PASS
442	442	100	100	100.0	420821	PASS
443	442	15	24	19.5	81981	PASS

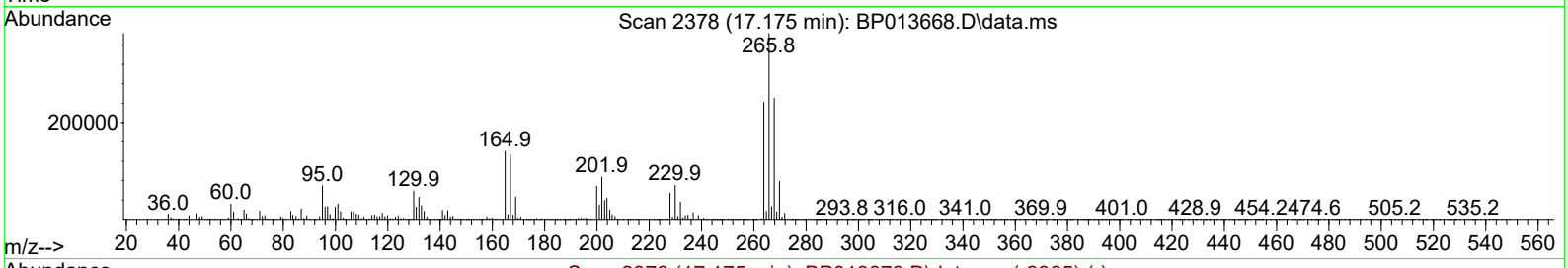
Sample Results: **BP013668.D**

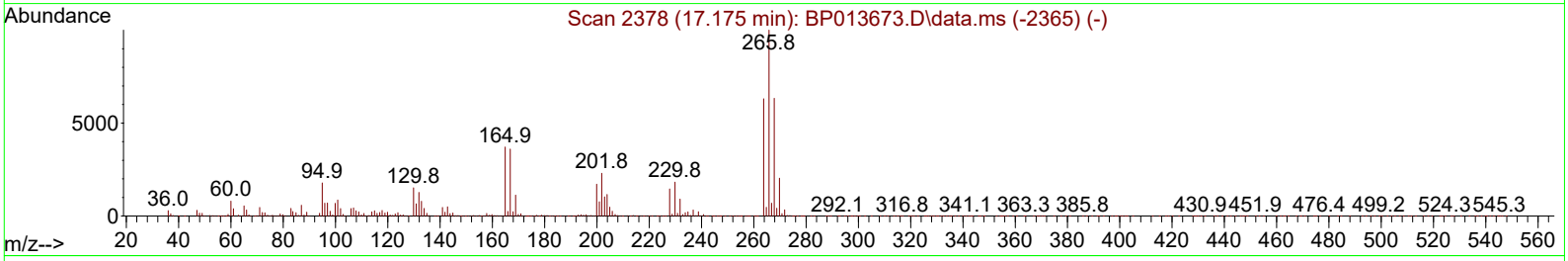
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013668.D
Acq On : 31 Jan 2023 10:47
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Feb 01 08:00:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 03:43:48 2023
Response via : Initial Calibration







TIC: BP013668.D\data.ms

(70) Pentachlorophenol (C)

17.175min (+ 0.000) 2464284.36 ng

response 553780

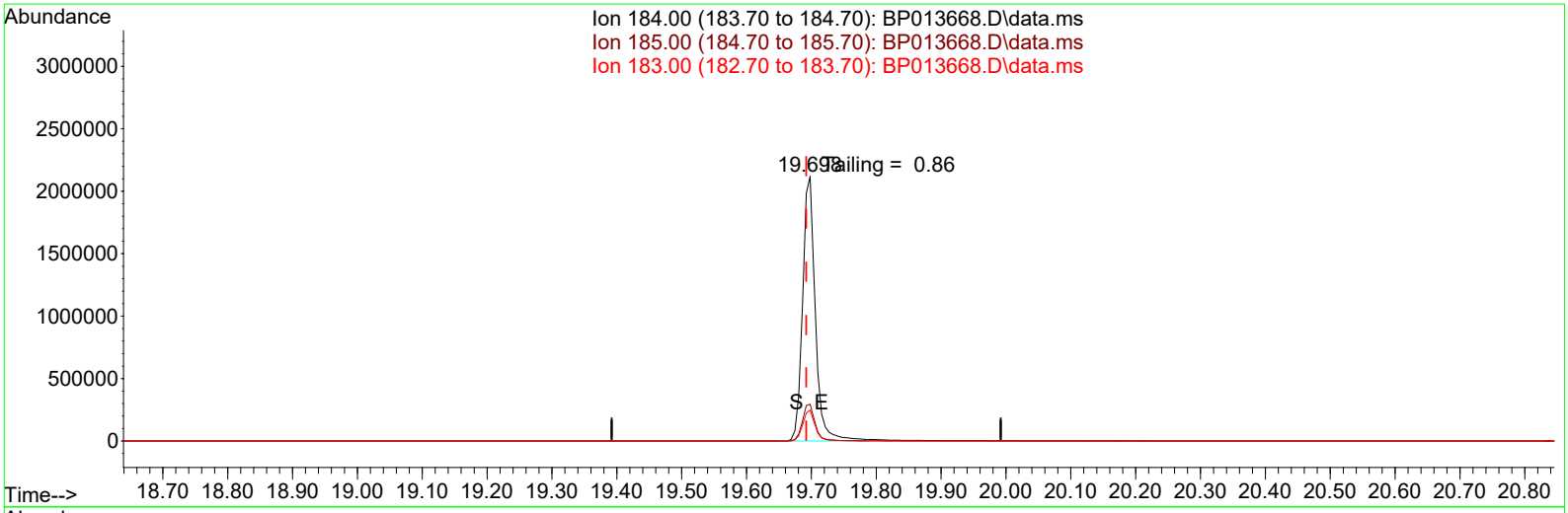
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.40	65.07
264.00	63.10	62.91
0.00	0.00	0.00

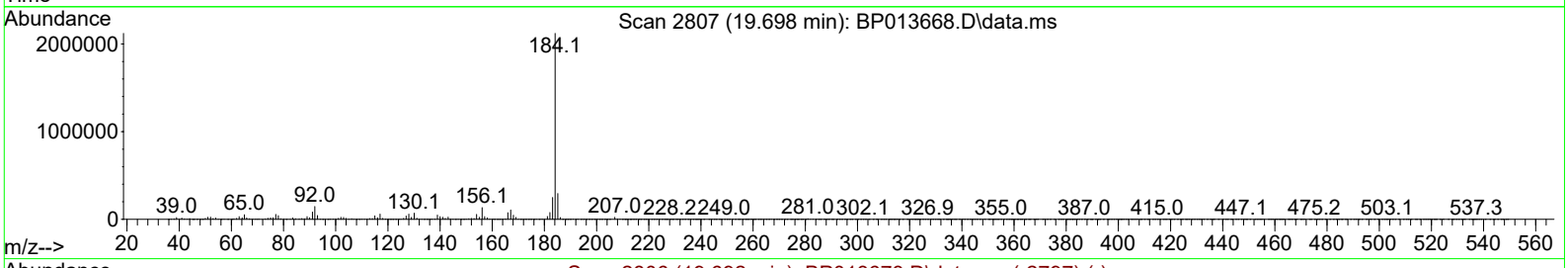
Sample Results: **BP013668.D**

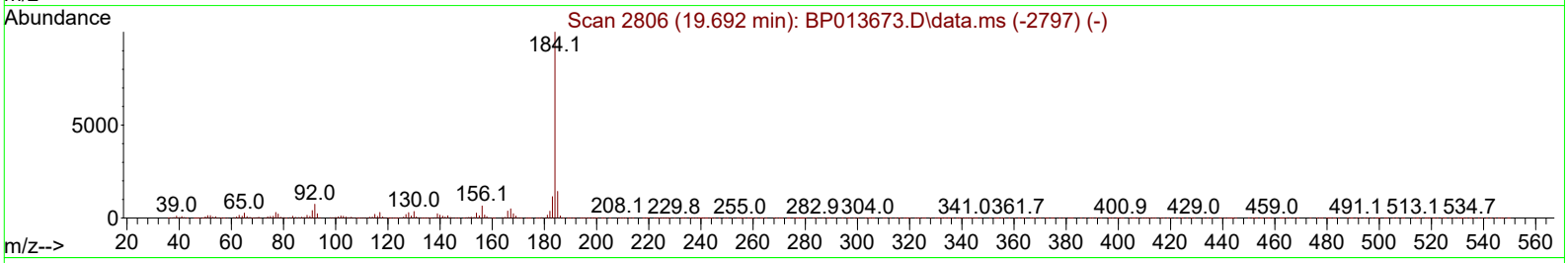
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013668.D
Acq On : 31 Jan 2023 10:47
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Feb 01 08:00:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 03:43:48 2023
Response via : Initial Calibration







TIC: BP013668.D\data.ms

(77) Benzidine

19.698min (+ 0.006) 2755273.69 ng

response 2916120

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	13.90
183.00	11.50	11.72
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/31/2023	BNA_P	BP013668.D
Compound Name	**Response**	**Retention Time**
DDT	1142397	20.892
DDD	9738	20.516
DDE	557	19.969
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
10295	1152692	0.89

Instrument :
BNA_P
ClientSampleId :
DFTPP

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	
Client Sample ID:	PB150378BL	SDG No.:	O1232
Lab Sample ID:	PB150378BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013572.D	1	01/20/23 12:30	01/24/23 15:50	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	140	U	140	330	ug/Kg
108-95-2	Phenol	67.7	U	67.7	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	80.3	U	80.3	170	ug/Kg
95-57-8	2-Chlorophenol	68.3	U	68.3	170	ug/Kg
95-48-7	2-Methylphenol	110	U	110	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.9	U	95.9	170	ug/Kg
98-86-2	Acetophenone	80.1	U	80.1	170	ug/Kg
65794-96-9	3+4-Methylphenols	97.4	U	97.4	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	76.1	U	76.1	80.0	ug/Kg
67-72-1	Hexachloroethane	73.7	U	73.7	170	ug/Kg
98-95-3	Nitrobenzene	73.9	U	73.9	170	ug/Kg
78-59-1	Isophorone	66.6	U	66.6	170	ug/Kg
88-75-5	2-Nitrophenol	92.8	U	92.8	170	ug/Kg
105-67-9	2,4-Dimethylphenol	98.8	U	98.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	ug/Kg
120-83-2	2,4-Dichlorophenol	81.7	U	81.7	170	ug/Kg
91-20-3	Naphthalene	73.9	U	73.9	170	ug/Kg
106-47-8	4-Chloroaniline	96.3	U	96.3	170	ug/Kg
87-68-3	Hexachlorobutadiene	99.4	U	99.4	170	ug/Kg
105-60-2	Caprolactam	100	U	100	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	78.7	U	78.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	75.0	U	75.0	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	85.4	U	85.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	83.6	U	83.6	170	ug/Kg
92-52-4	1,1-Biphenyl	86.5	U	86.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	85.5	U	85.5	170	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	170	ug/Kg
131-11-3	Dimethylphthalate	80.9	U	80.9	170	ug/Kg
208-96-8	Acenaphthylene	68.7	U	68.7	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	78.1	U	78.1	170	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	
Client Sample ID:	PB150378BL	SDG No.:	O1232
Lab Sample ID:	PB150378BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013572.D	1	01/20/23 12:30	01/24/23 15:50	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	100	U	100	170	ug/Kg
83-32-9	Acenaphthene	78.9	U	78.9	170	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	330	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	ug/Kg
132-64-9	Dibenzofuran	74.2	U	74.2	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	84.6	U	84.6	170	ug/Kg
84-66-2	Diethylphthalate	80.5	U	80.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.6	U	93.6	170	ug/Kg
86-73-7	Fluorene	78.8	U	78.8	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	86.2	U	86.2	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	82.2	U	82.2	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	98.4	U	98.4	170	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	170	ug/Kg
1912-24-9	Atrazine	90.0	U	90.0	170	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	330	ug/Kg
85-01-8	Phenanthrene	83.6	U	83.6	170	ug/Kg
120-12-7	Anthracene	84.0	U	84.0	170	ug/Kg
86-74-8	Carbazole	84.2	U	84.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	87.0	U	87.0	170	ug/Kg
206-44-0	Fluoranthene	79.8	U	79.8	170	ug/Kg
129-00-0	Pyrene	74.2	U	74.2	170	ug/Kg
85-68-7	Butylbenzylphthalate	82.7	U	82.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	330	ug/Kg
56-55-3	Benzo(a)anthracene	86.8	U	86.8	170	ug/Kg
218-01-9	Chrysene	85.5	U	85.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	88.6	U	88.6	170	ug/Kg
117-84-0	Di-n-octyl phthalate	91.0	U	91.0	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	69.0	U	69.0	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	73.6	U	73.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	67.7	U	67.7	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	100	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	170	ug/Kg

Raw Data: **BP013572.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	
Client Sample ID:	PB150378BL	SDG No.:	O1232
Lab Sample ID:	PB150378BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013572.D	1	01/20/23 12:30	01/24/23 15:50	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	96.9	U	96.9	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.2	U	91.2	170	ug/Kg
123-91-1	1,4-Dioxane	89.1	U	89.1	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81.2	U	81.2	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	128		18 - 112	85%	SPK: 150
13127-88-3	Phenol-d6	125		21 - 104	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.9		27 - 109	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.6		30 - 103	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		10 - 121	88%	SPK: 150
1718-51-0	Terphenyl-d14	70.3		21 - 107	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	291000	8.163			
1146-65-2	Naphthalene-d8	1300000	10.993			
15067-26-2	Acenaphthene-d10	838000	14.798			
1517-22-2	Phenanthrene-d10	1910000	17.551			
1719-03-5	Chrysene-d12	1880000	21.627			
1520-96-3	Perylene-d12	2130000	24.216			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1000	A		5.22	ug/Kg
055124-79-3	Heptadecane, 9-hexyl-	120	J		24.1	ug/Kg
000629-97-0	Docosane	140	J		24.9	ug/Kg
013475-77-9	Eicosane, 9-octyl-	170	J		25.9	ug/Kg
000629-78-7	Heptadecane	120	J		27.0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013572.D
Acq On : 24 Jan 2023 15:50
Operator : CG/JU
Sample : PB150378BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB150378BL

Quant Time: Jan 25 03:48:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

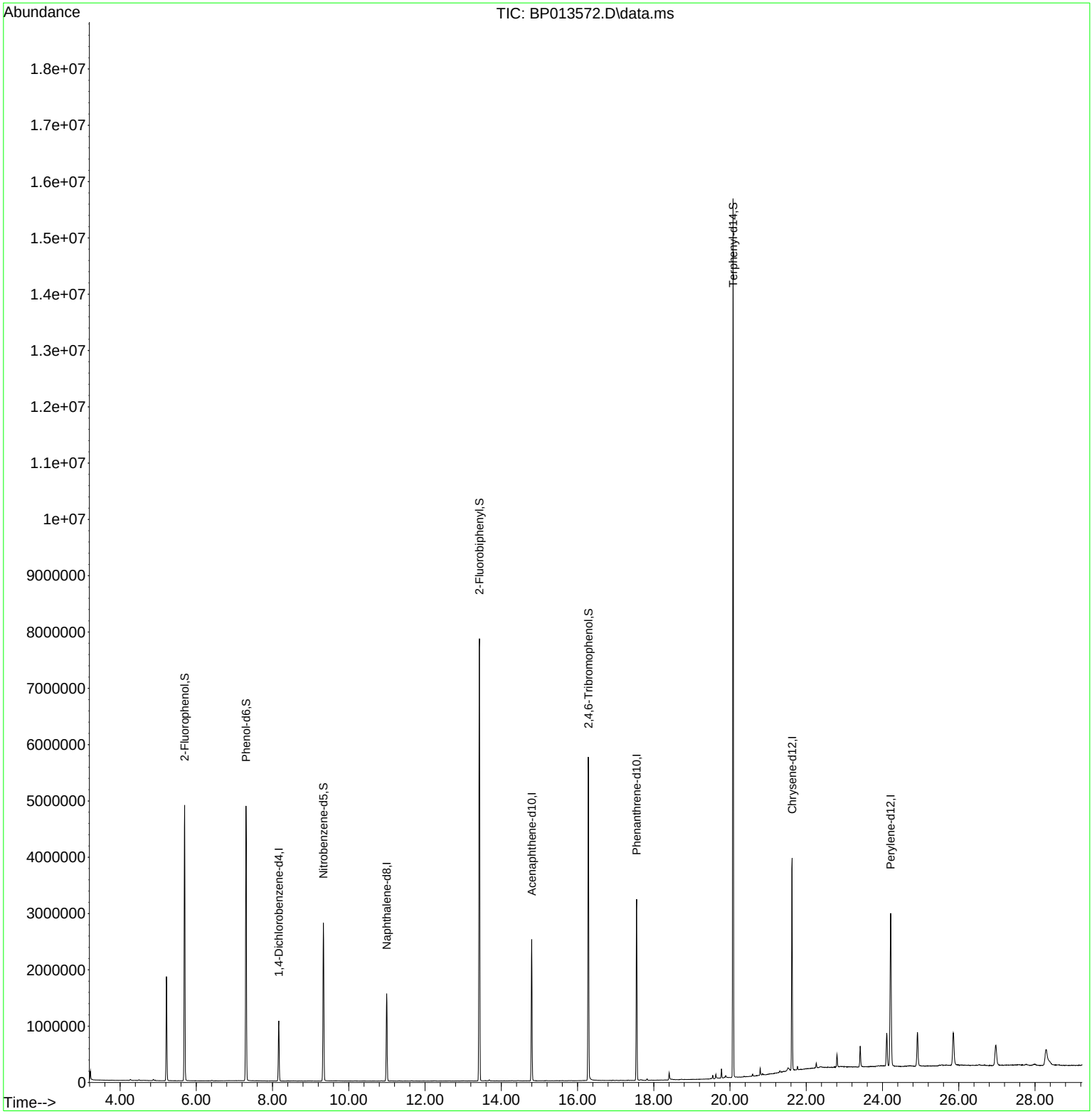
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.163	152	291029	20.000	ng	0.00
21) Naphthalene-d8	10.993	136	1295644	20.000	ng	0.00
39) Acenaphthene-d10	14.798	164	837908	20.000	ng	0.00
64) Phenanthrene-d10	17.551	188	1910080	20.000	ng	0.00
76) Chrysene-d12	21.627	240	1883137	20.000	ng	0.00
86) Perylene-d12	24.216	264	2131871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.693	112	2167893	127.629	ng	0.00
7) Phenol-d6	7.305	99	2853606	124.825	ng	0.00
23) Nitrobenzene-d5	9.334	82	1547543	78.852	ng	0.00
42) 2,4,6-Tribromophenol	16.287	330	1103809	131.334	ng	0.00
45) 2-Fluorobiphenyl	13.428	172	4129364	67.647	ng	0.00
79) Terphenyl-d14	20.080	244	7359540	70.307	ng	0.00
Target Compounds						Qvalue

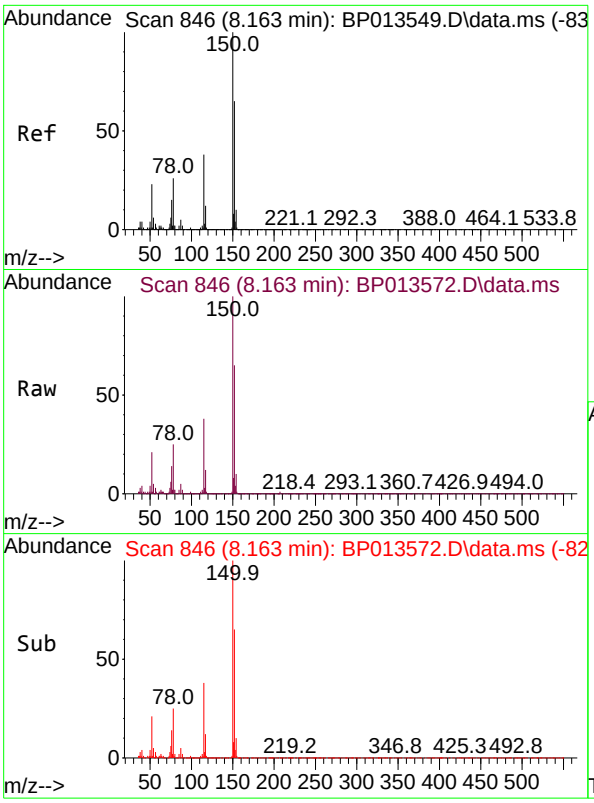
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013572.D
Acq On : 24 Jan 2023 15:50
Operator : CG/JU
Sample : PB150378BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB150378BL

Quant Time: Jan 25 03:48:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration



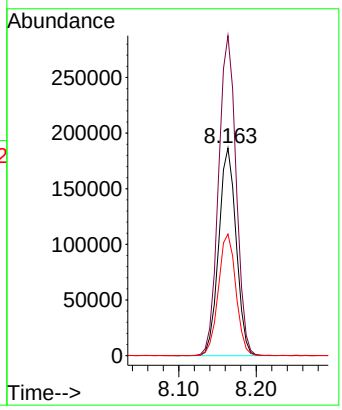


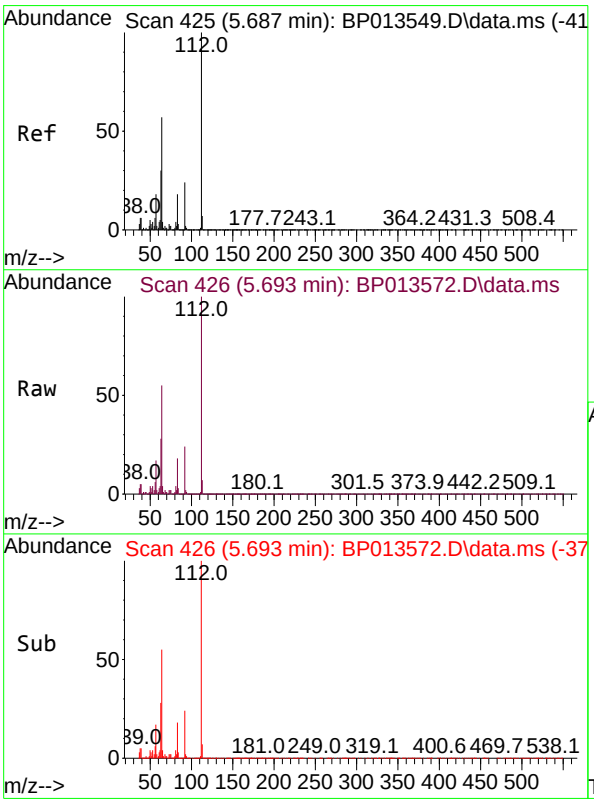
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.163 min Scan# 84
Delta R.T. -0.001 min
Lab File: BP013572.D
Acq: 24 Jan 2023 15:50

Instrument :
BNA_P
ClientSampleId :
PB150378BL

Tgt Ion:152 Resp: 291029

Ion	Ratio	Lower	Upper
152	100		
150	154.1	122.4	183.6
115	58.5	46.1	69.1

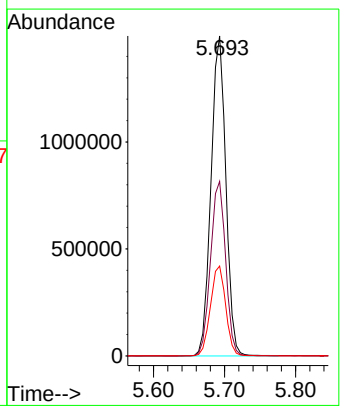


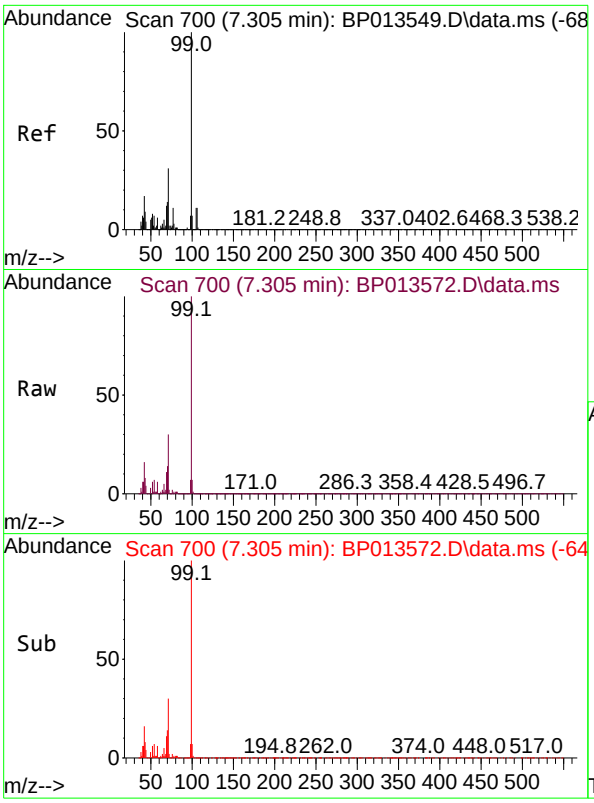


#5
2-Fluorophenol
Concen: 127.629 ng
RT: 5.693 min Scan# 426
Delta R.T. 0.006 min
Lab File: BP013572.D
Acq: 24 Jan 2023 15:50

Tgt Ion:112 Resp: 2167893

Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.4	68.0
63	28.1	24.1	36.1



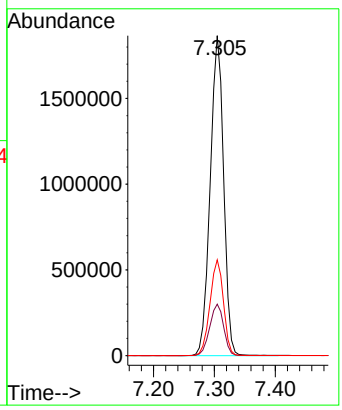


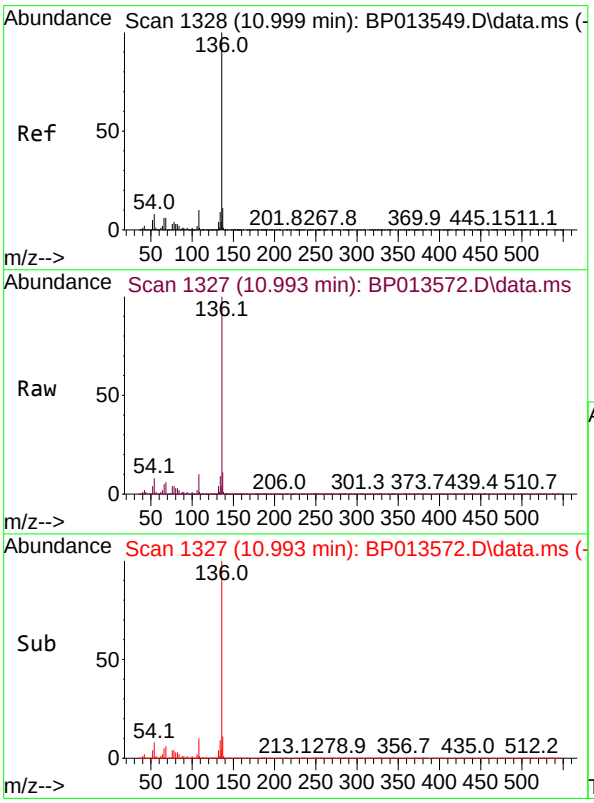
#7
Phenol-d6
Concen: 124.825 ng
RT: 7.305 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP013572.D
Acq: 24 Jan 2023 15:50

Instrument :
BNA_P
ClientSampleId :
PB150378BL

Tgt Ion: 99 Resp: 2853606

Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.0	21.0
71	29.9	24.7	37.1

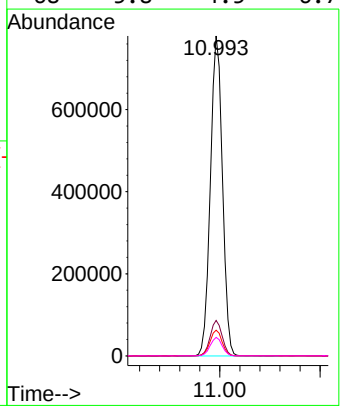


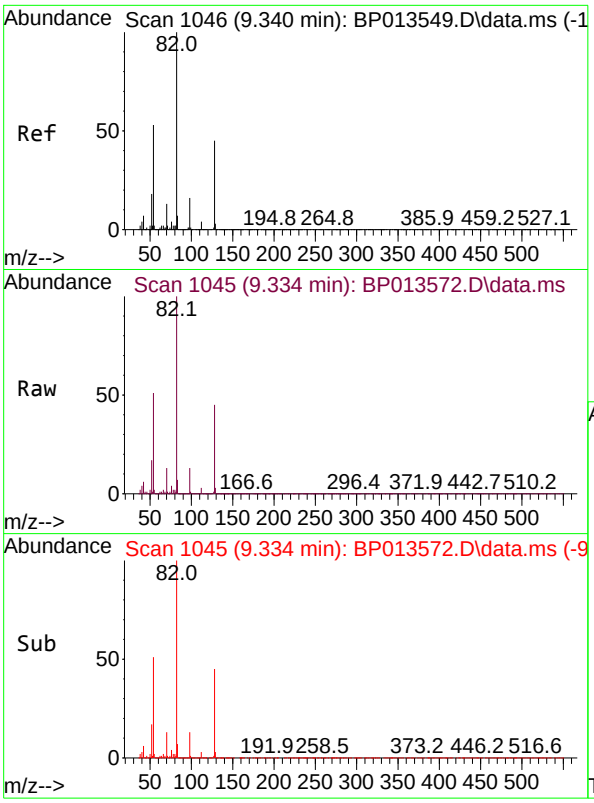


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.993 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BP013572.D
Acq: 24 Jan 2023 15:50

Tgt Ion:136 Resp: 1295644

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.0	6.6	9.8
68	5.8	4.5	6.7



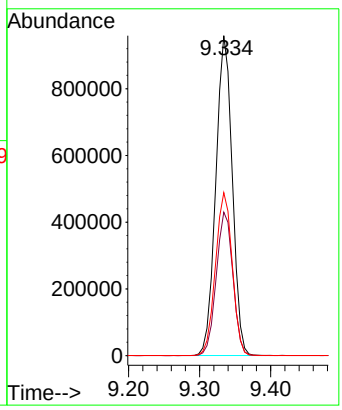


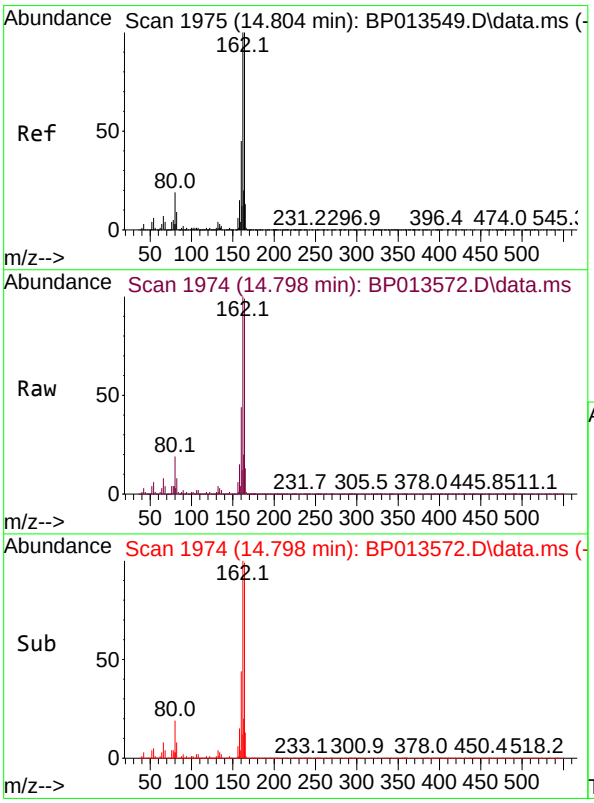
#23
Nitrobenzene-d5
Concen: 78.852 ng
RT: 9.334 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP013572.D
Acq: 24 Jan 2023 15:50

Instrument :
BNA_P
ClientSampleId :
PB150378BL

Tgt Ion: 82 Resp: 1547543

Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.8	53.6
54	50.9	42.6	64.0

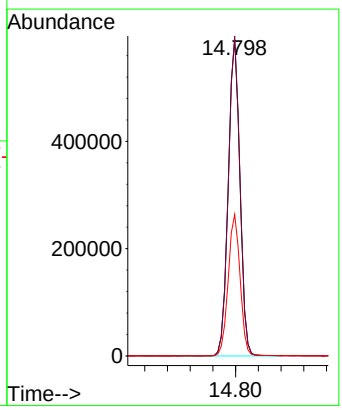


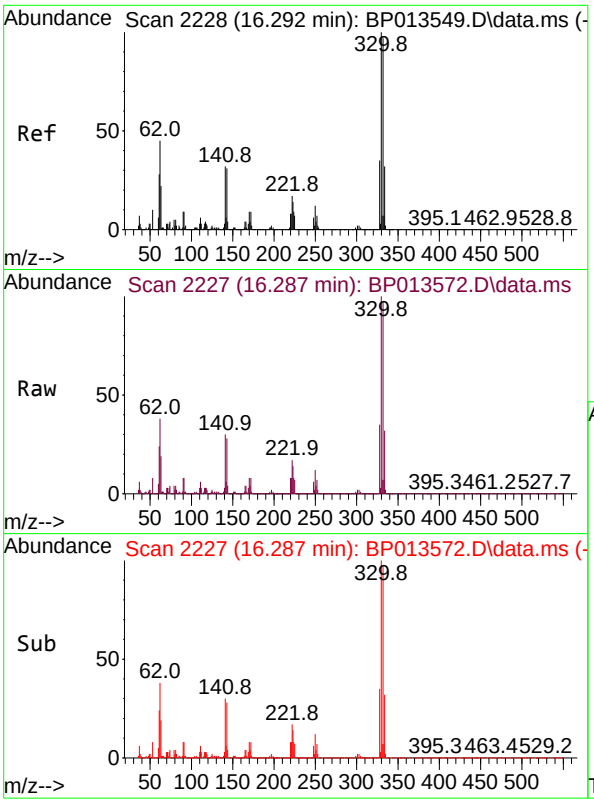


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.798 min Scan# 1974
Delta R.T. -0.000 min
Lab File: BP013572.D
Acq: 24 Jan 2023 15:50

Tgt Ion:164 Resp: 837908

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.1	120.1
160	44.7	35.9	53.9



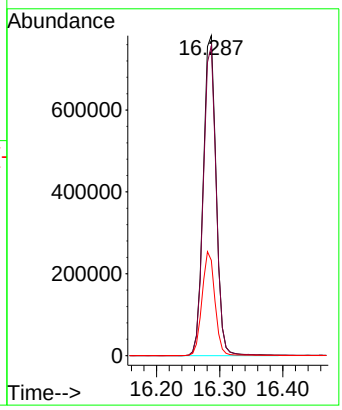


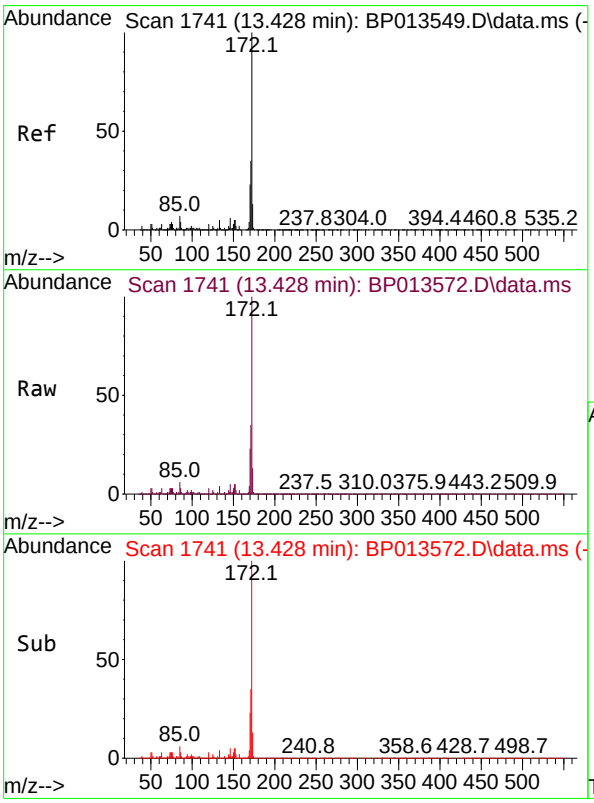
#42
2,4,6-Tribromophenol
Concen: 131.334 ng
RT: 16.287 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP013572.D
Acq: 24 Jan 2023 15:50

Instrument :
BNA_P
ClientSampleId :
PB150378BL

Tgt Ion:330 Resp: 1103809

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	32.7	27.6	41.4

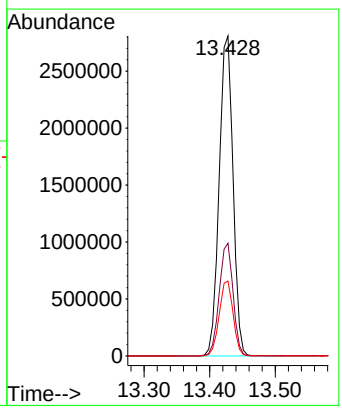


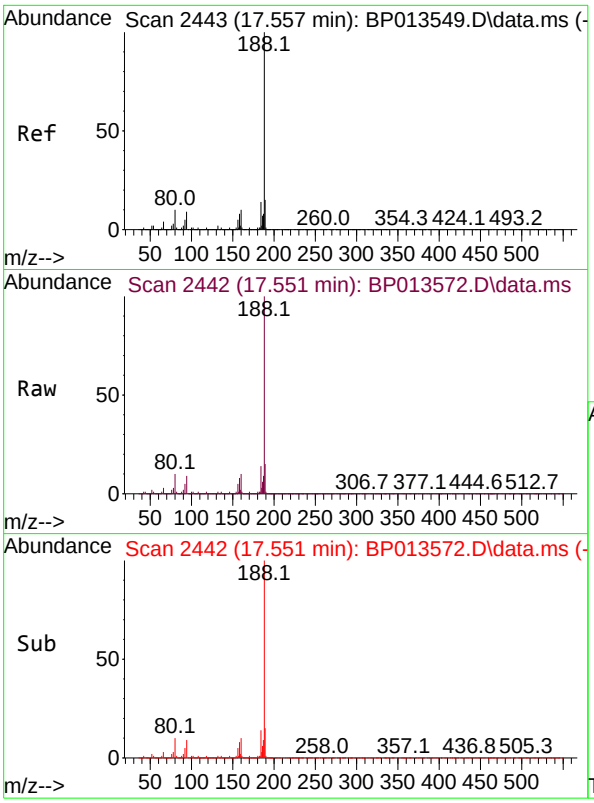


#45
2-Fluorobiphenyl
Concen: 67.647 ng
RT: 13.428 min Scan# 1741
Delta R.T. -0.000 min
Lab File: BP013572.D
Acq: 24 Jan 2023 15:50

Tgt Ion:172 Resp: 4129364

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.8
170	23.4	18.6	27.8



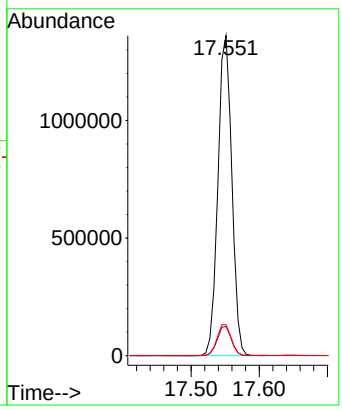


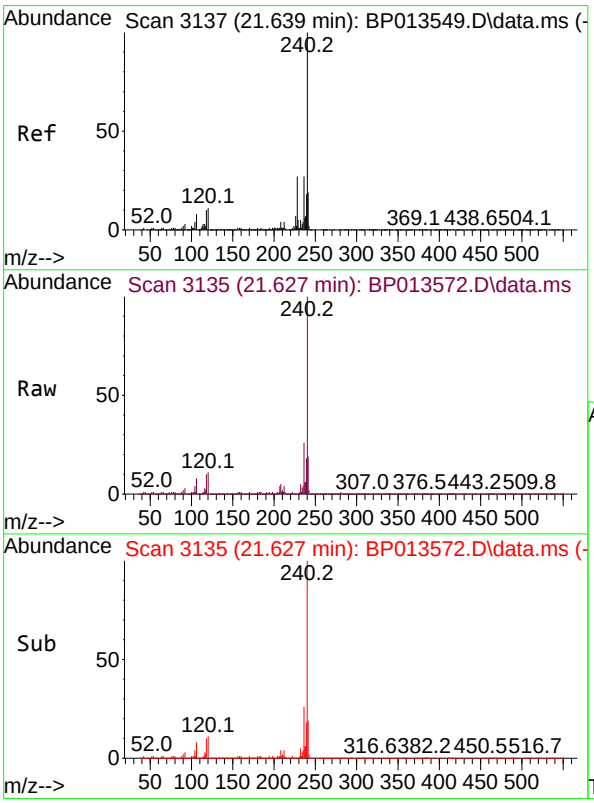
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.551 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP013572.D
Acq: 24 Jan 2023 15:50

Instrument :
BNA_P
ClientSampleId :
PB150378BL

Tgt Ion:188 Resp: 1910080

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	9.6	8.2	12.2

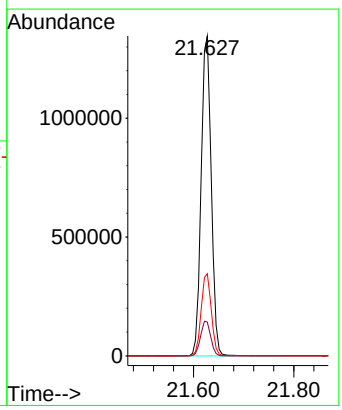


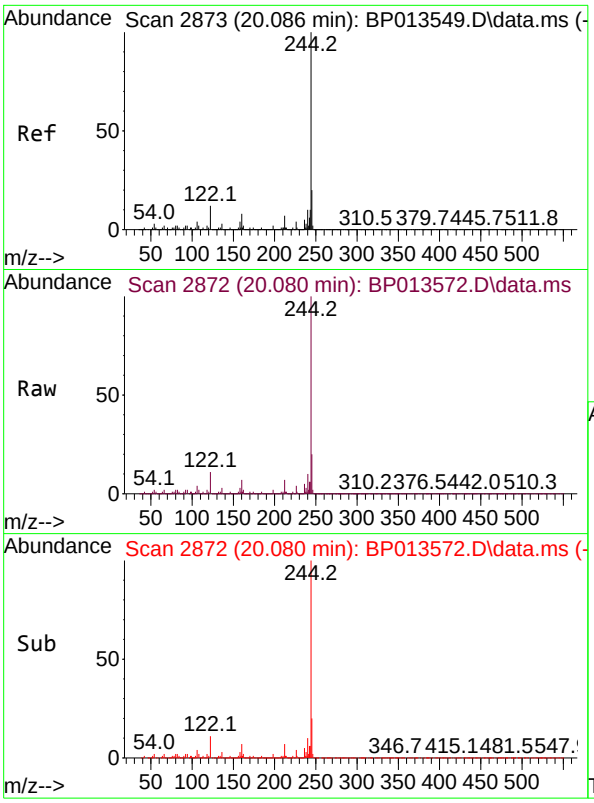


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 3135
Delta R.T. -0.000 min
Lab File: BP013572.D
Acq: 24 Jan 2023 15:50

Tgt Ion:240 Resp: 1883137

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.6	13.0
236	25.7	21.3	31.9



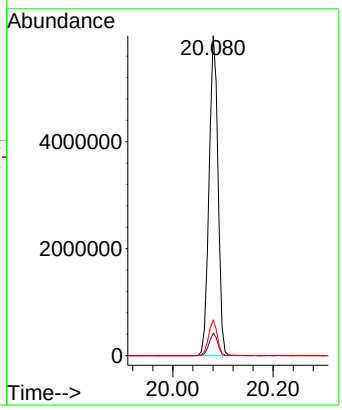


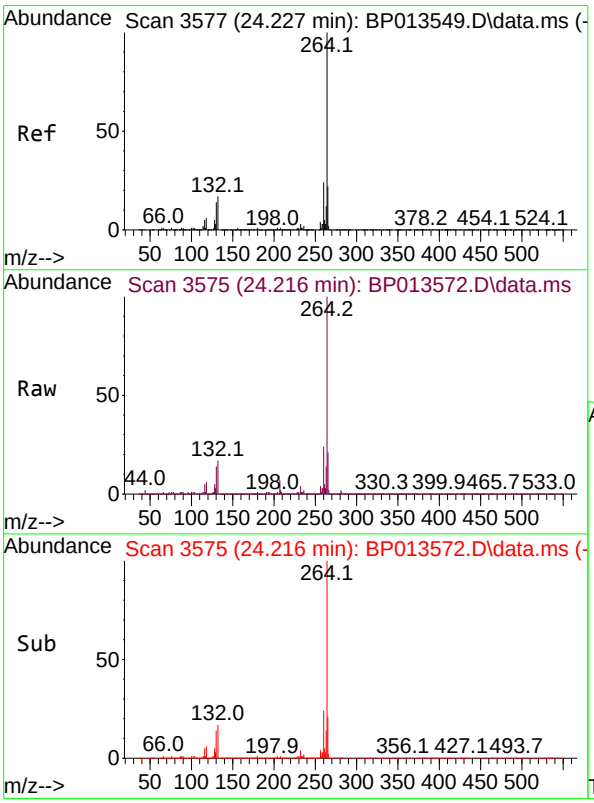
#79
Terphenyl-d14
Concen: 70.307 ng
RT: 20.080 min Scan# 28
Delta R.T. -0.000 min
Lab File: BP013572.D
Acq: 24 Jan 2023 15:50

Instrument :
BNA_P
ClientSampleId :
PB150378BL

Tgt Ion:244 Resp: 7359540

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.1	9.2	13.8

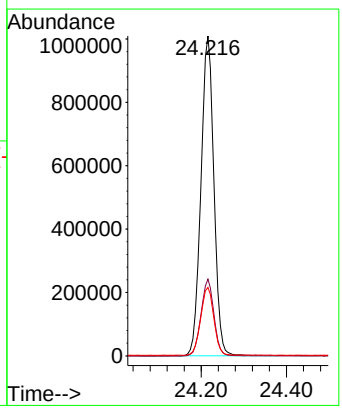




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.216 min Scan# 3575
Delta R.T. -0.000 min
Lab File: BP013572.D
Acq: 24 Jan 2023 15:50

Tgt Ion:264 Resp: 2131871

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.4	17.4	26.2



Sample Results: **BP013572.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013572.D
Acq On : 24 Jan 2023 15:50
Operator : CG/JU
Sample : PB150378BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB150378BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP013572.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.217	337	345	356	rBV	1851375	2609419	13.68%	2.876%
2	5.693	414	426	439	rBV	4899197	7204530	37.76%	7.941%
3	7.305	690	700	712	rBV	4881116	7635096	40.02%	8.416%
4	8.163	836	846	854	rBV	1070244	1686122	8.84%	1.859%
5	9.334	1037	1045	1061	rBV	2809581	4640880	24.32%	5.116%
6	10.993	1318	1327	1338	rBV	1551956	2602393	13.64%	2.869%
7	13.428	1733	1741	1752	rBV	7857005	11692465	61.28%	12.888%
8	14.798	1967	1974	1982	rBV	2511944	3635958	19.06%	4.008%
9	16.281	2219	2226	2246	rBV	5744216	8363611	43.83%	9.219%
10	17.551	2435	2442	2450	rBV	3217458	4575592	23.98%	5.044%
11	18.404	2582	2587	2597	rBV2	128499	209665	1.10%	0.231%
12	20.080	2866	2872	2878	rBV	15604529	19080445	100.00%	21.032%
13	21.627	3129	3135	3144	rVB	3761557	5260920	27.57%	5.799%
14	22.804	3331	3335	3342	rBV	218058	316954	1.66%	0.349%
15	23.416	3434	3439	3446	rBV	362398	573912	3.01%	0.633%
16	24.110	3551	3557	3565	rVV	576787	1077935	5.65%	1.188%
17	24.216	3567	3575	3592	rVB2	2717963	5757531	30.18%	6.346%
18	24.915	3688	3694	3705	rVB	592032	1235016	6.47%	1.361%
19	25.857	3847	3854	3868	rVB	569705	1500246	7.86%	1.654%
20	26.974	4036	4044	4055	rVB2	349825	1062766	5.57%	1.171%

Sum of corrected areas: 90721456

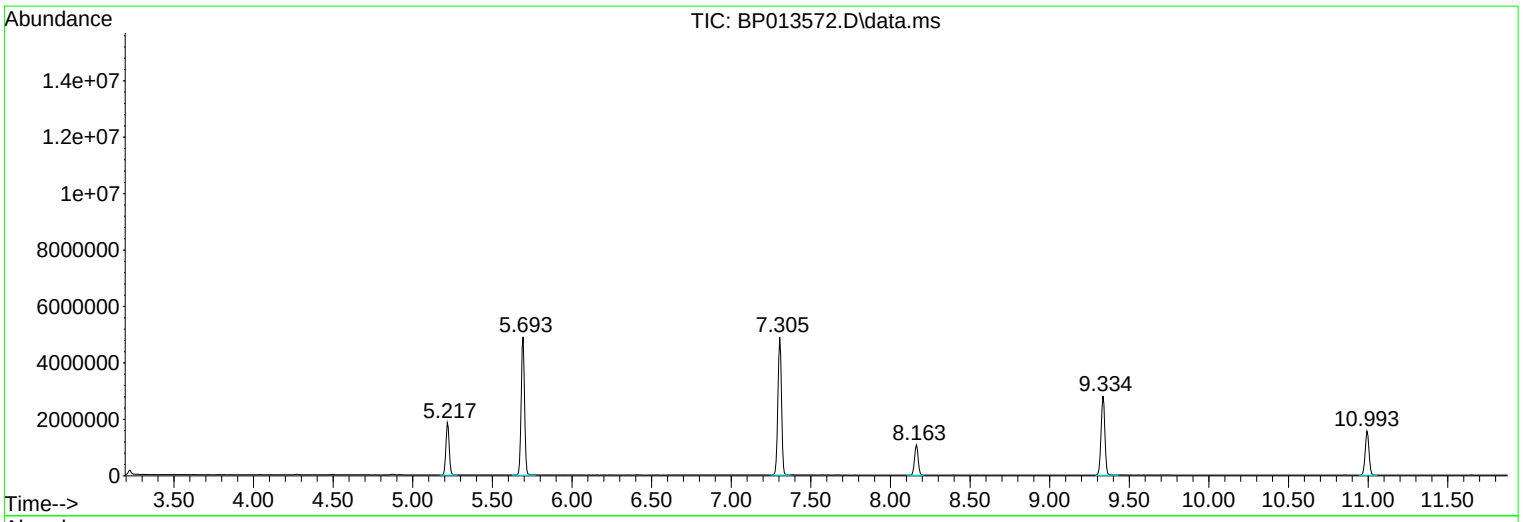
Sample Results: **BP013572.D**

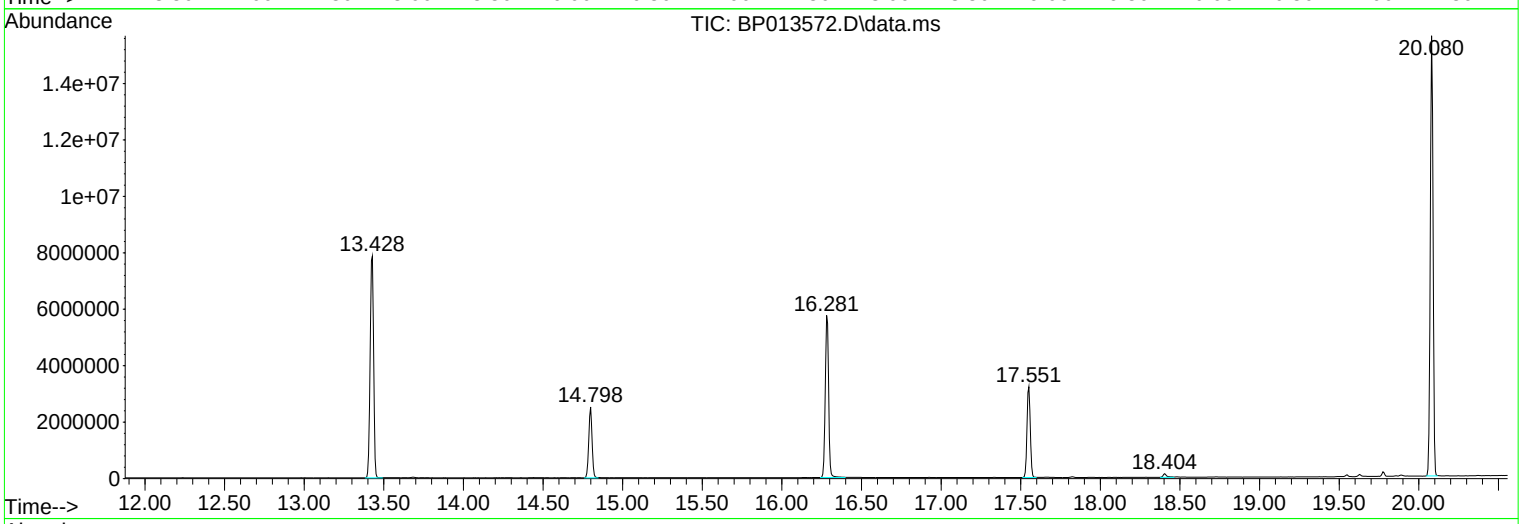
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013572.D
Acq On : 24 Jan 2023 15:50
Operator : CG/JU
Sample : PB150378BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

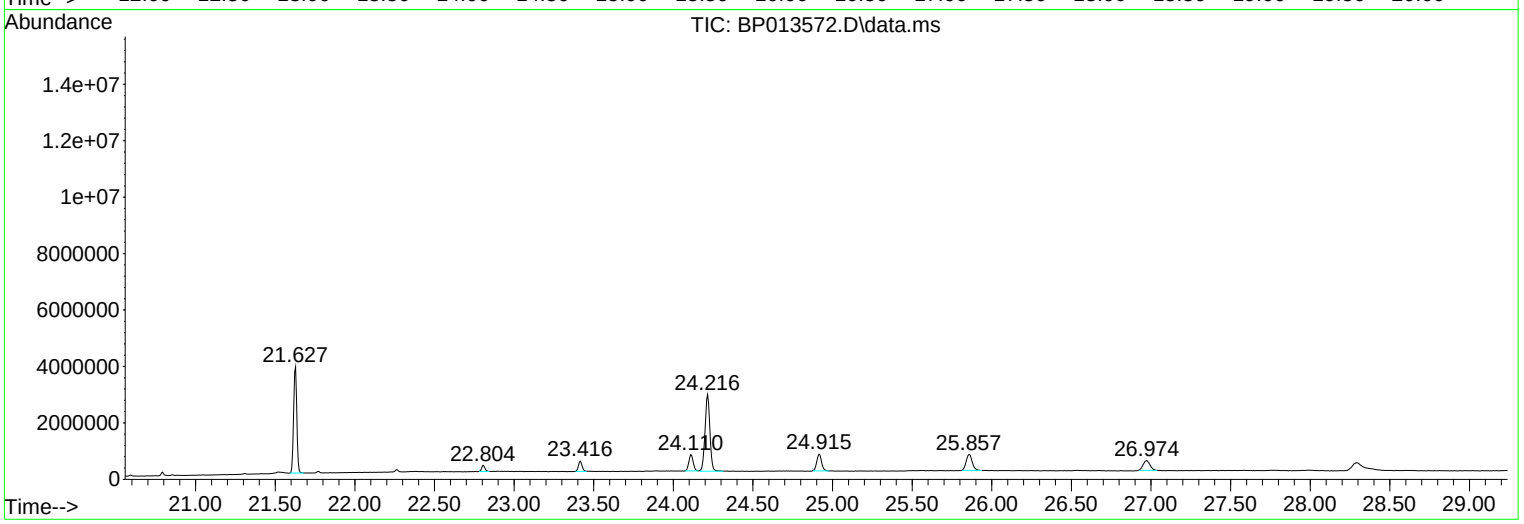
Instrument :
BNA_P
ClientSampleId :
PB150378BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013572.D
Acq On : 24 Jan 2023 15:50
Operator : CG/JU
Sample : PB150378BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB150378BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

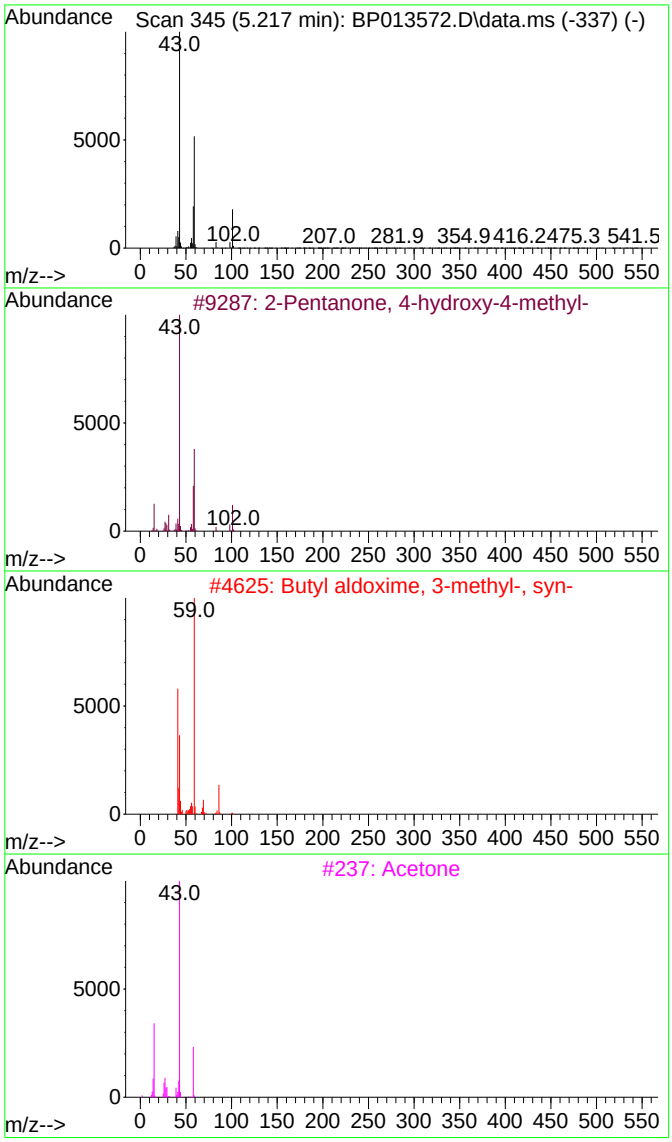
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

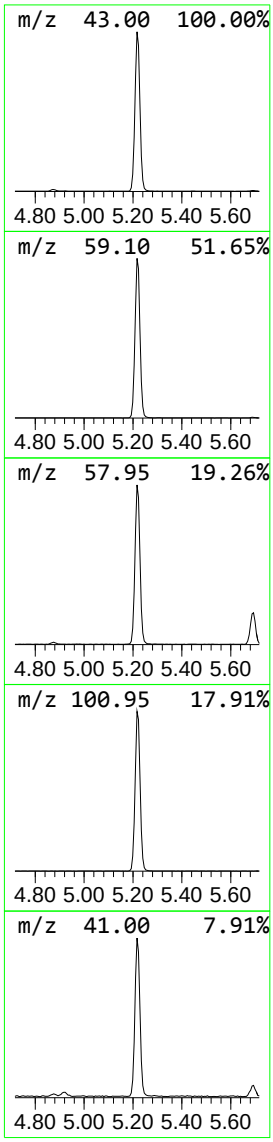
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.217	30.95 ng	2609420	1,4-Dichlorobenzene-d4	8.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	17
3	Acetone	58	C3H6O	000067-64-1	16
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	16
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013572.D
Acq On : 24 Jan 2023 15:50
Operator : CG/JU
Sample : PB150378BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB150378BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

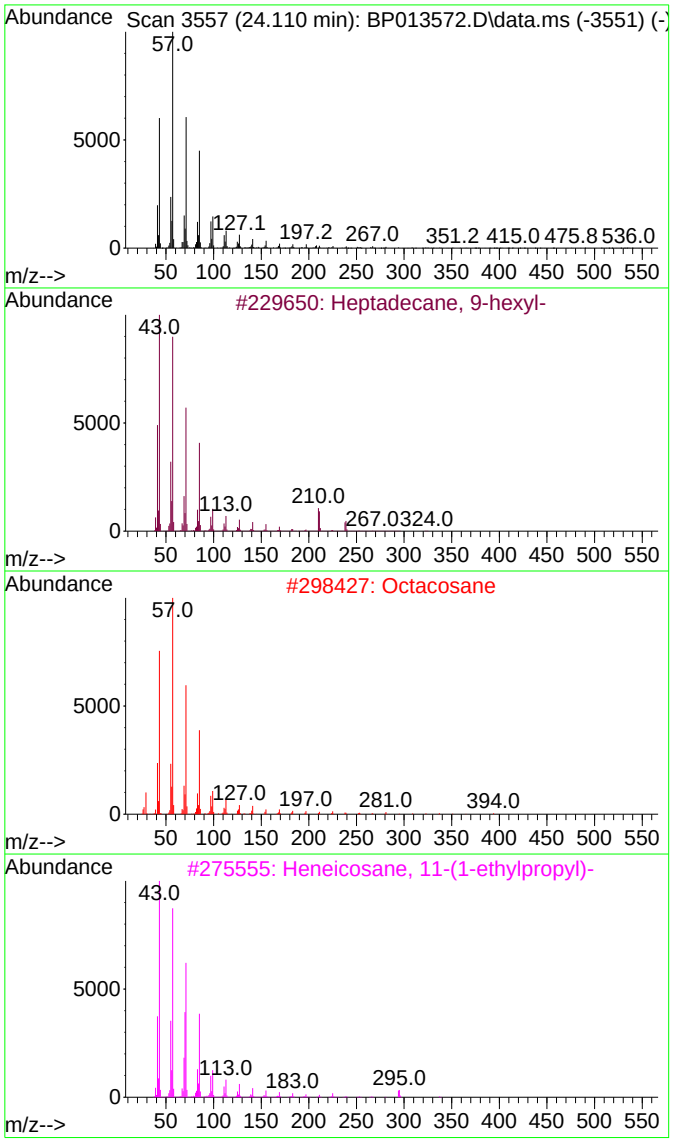
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

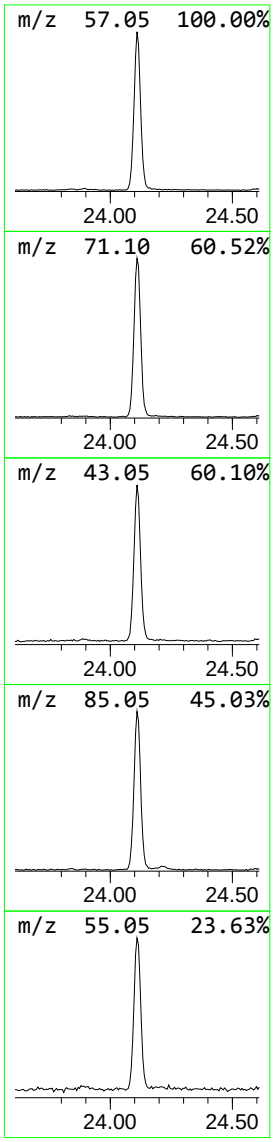
****

Peak Number 2 Heptadecane, 9-hexyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.110	3.74 ng	1077940	Perylene-d12	24.215

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	94
2	Octacosane	394	C28H58	000630-02-4	91
3	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Hexacosane	366	C26H54	000630-01-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013572.D
Acq On : 24 Jan 2023 15:50
Operator : CG/JU
Sample : PB150378BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB150378BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

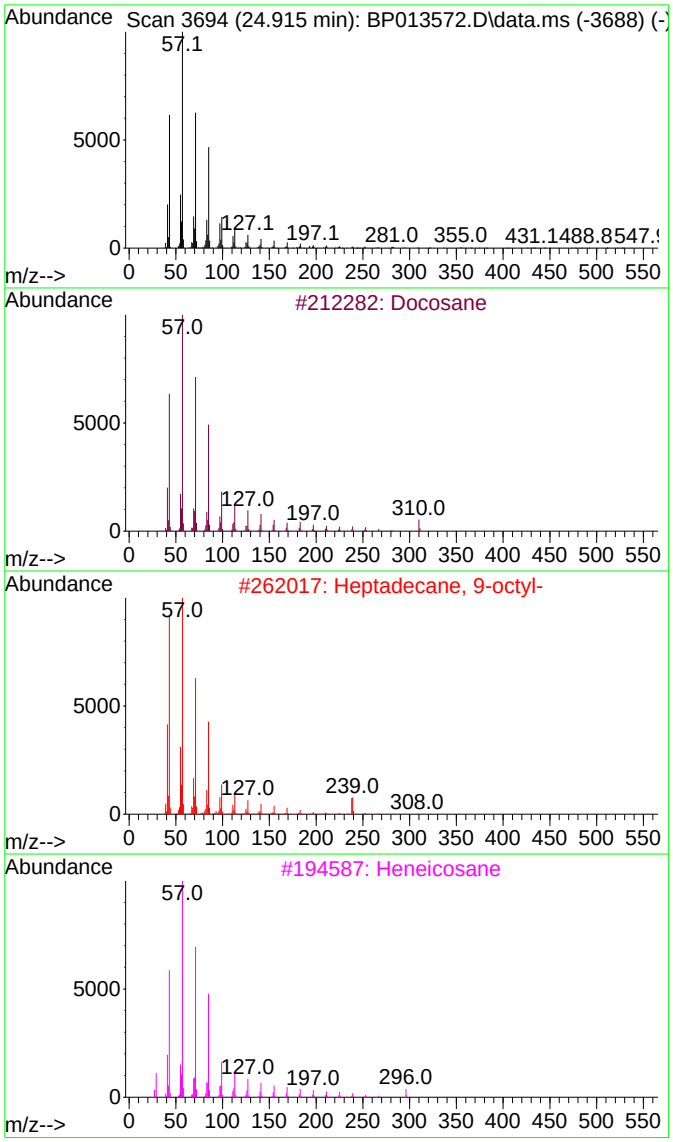
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

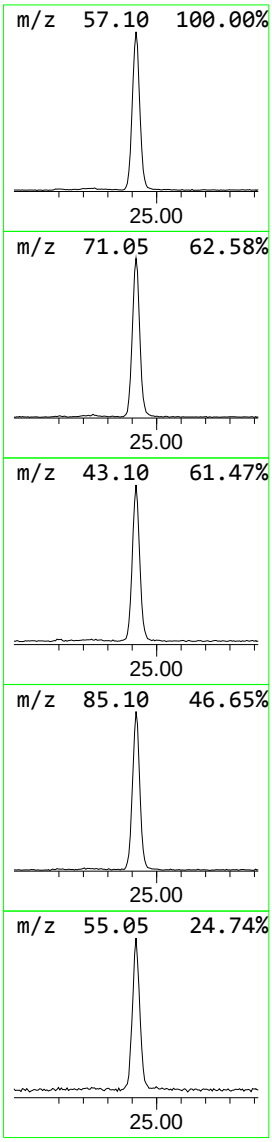
****

Peak Number 3 Docosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.916	4.29 ng	1235020	Perylene-d12	24.215

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	97
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95
3	Heneicosane	296	C21H44	000629-94-7	93
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013572.D
Acq On : 24 Jan 2023 15:50
Operator : CG/JU
Sample : PB150378BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB150378BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

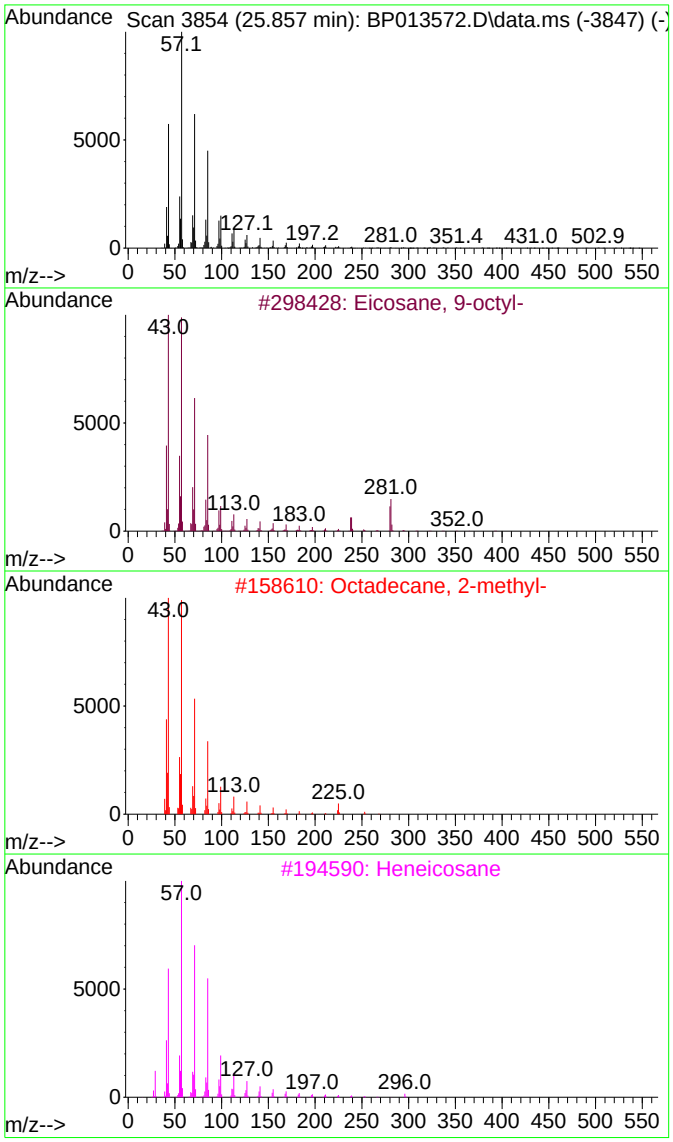
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

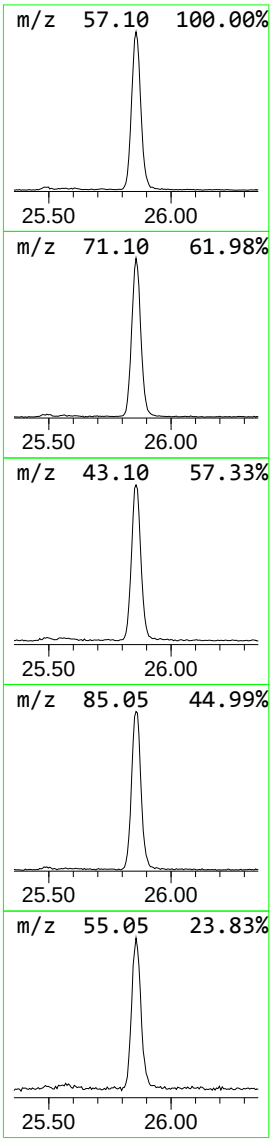
****

Peak Number 4 Eicosane, 9-octyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.857	5.21 ng	1500250	Perylene-d12	24.215

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 9-octyl-	394	C28H58	013475-77-9	94
2	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
3	Heneicosane	296	C21H44	000629-94-7	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Tetratetracontane	619	C44H90	007098-22-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013572.D
Acq On : 24 Jan 2023 15:50
Operator : CG/JU
Sample : PB150378BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB150378BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

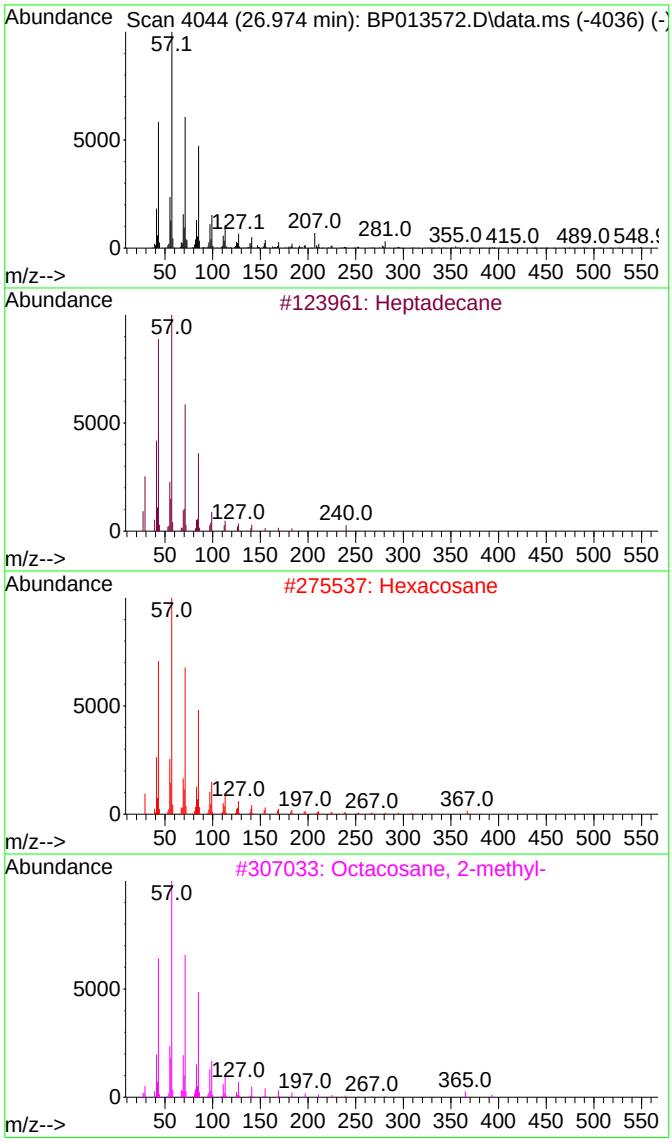
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

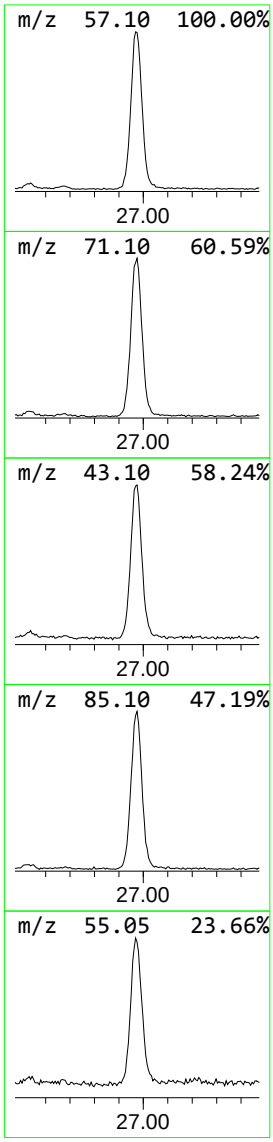
****

Peak Number 5 Heptadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.974	3.69 ng	1062770	Perylene-d12	24.215

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Hexacosane	366	C26H54	000630-01-3	93
3	Octacosane, 2-methyl-	408	C29H60	001560-98-1	90
4	Octacosane	394	C28H58	000630-02-4	90
5	Triacontane, 1-iodo-	548	C30H61I	1000406-32-3	90





Sample Results: **BP013572.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013572.D
Acq On : 24 Jan 2023 15:50
Operator : CG/JU
Sample : PB150378BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB150378BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.217	30.9	ng	2609420	1	8.163	1686120	20.0
Heptadecane, 9-...	24.110	3.7	ng	1077940	6	24.215	5757530	20.0
Docosane	24.916	4.3	ng	1235020	6	24.215	5757530	20.0
Eicosane, 9-octyl-	25.857	5.2	ng	1500250	6	24.215	5757530	20.0
Heptadecane	26.974	3.7	ng	1062770	6	24.215	5757530	20.0

Raw Data: **BP013684.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	
Client Sample ID:	PB150378BS	SDG No.:	O1232
Lab Sample ID:	PB150378BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013684.D	1	01/20/23 12:30	01/31/23 21:04	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	960		140	330	ug/Kg
108-95-2	Phenol	1600		67.7	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		80.2	170	ug/Kg
95-57-8	2-Chlorophenol	1600		68.3	170	ug/Kg
95-48-7	2-Methylphenol	1500		110	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		95.8	170	ug/Kg
98-86-2	Acetophenone	1400		80.0	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		97.3	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		76.0	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		73.7	170	ug/Kg
98-95-3	Nitrobenzene	1400		73.9	170	ug/Kg
78-59-1	Isophorone	1400		66.6	170	ug/Kg
88-75-5	2-Nitrophenol	1400		92.7	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		98.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		110	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		81.6	170	ug/Kg
91-20-3	Naphthalene	1400		73.9	170	ug/Kg
106-47-8	4-Chloroaniline	810		96.2	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		99.3	170	ug/Kg
105-60-2	Caprolactam	1400		99.9	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		78.6	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		75.0	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3600	E	170	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		85.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		83.5	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		86.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		85.4	170	ug/Kg
88-74-4	2-Nitroaniline	1400		110	170	ug/Kg
131-11-3	Dimethylphthalate	1400		80.8	170	ug/Kg
208-96-8	Acenaphthylene	1400		68.7	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		78.0	170	ug/Kg

Raw Data: **BP013684.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	
Client Sample ID:	PB150378BS	SDG No.:	O1232
Lab Sample ID:	PB150378BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013684.D	1	01/20/23 12:30	01/31/23 21:04	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	1100		100	170	ug/Kg
83-32-9	Acenaphthene	1600		78.8	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2900	E	130	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	140	330	ug/Kg
132-64-9	Dibenzofuran	1400		74.2	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		84.5	170	ug/Kg
84-66-2	Diethylphthalate	1400		80.4	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		93.5	170	ug/Kg
86-73-7	Fluorene	1400		78.7	170	ug/Kg
100-01-6	4-Nitroaniline	1300		100	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		86.1	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		82.1	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		98.3	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		100	170	ug/Kg
1912-24-9	Atrazine	1600		89.9	170	ug/Kg
87-86-5	Pentachlorophenol	2800	E	120	330	ug/Kg
85-01-8	Phenanthrene	1400		83.5	170	ug/Kg
120-12-7	Anthracene	1400		83.9	170	ug/Kg
86-74-8	Carbazole	1400		84.1	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		86.9	170	ug/Kg
206-44-0	Fluoranthene	1400		79.7	170	ug/Kg
129-00-0	Pyrene	1600		74.2	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		82.6	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		140	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		86.7	170	ug/Kg
218-01-9	Chrysene	1400		85.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		88.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		90.9	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		69.0	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		73.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1400		67.7	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		100	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		100	170	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	
Client Sample ID:	PB150378BS	SDG No.:	O1232
Lab Sample ID:	PB150378BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP013684.D	1	01/20/23 12:30	01/31/23 21:04	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1200		96.8	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		91.1	170	ug/Kg
123-91-1	1,4-Dioxane	1100		89.0	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		81.1	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	146		18 - 112	97%	SPK: 150
13127-88-3	Phenol-d6	144		21 - 104	96%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.3		27 - 109	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.2		30 - 103	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		10 - 121	94%	SPK: 150
1718-51-0	Terphenyl-d14	103		21 - 107	103%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	298000	8.14			
1146-65-2	Naphthalene-d8	1190000	10.969			
15067-26-2	Acenaphthene-d10	801000	14.775			
1517-22-2	Phenanthrene-d10	1850000	17.528			
1719-03-5	Chrysene-d12	1640000	21.61			
1520-96-3	Perylene-d12	1450000	24.18			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **BP013684.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013684.D
Acq On : 31 Jan 2023 21:04
Operator : CG/JU
Sample : PB150378BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations APPROVED
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

Quant Time: Feb 01 06:32:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 03:43:48 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.140	152	297815	20.000	ng		0.00
21) Naphthalene-d8	10.969	136	1192599	20.000	ng		0.00
39) Acenaphthene-d10	14.775	164	801024	20.000	ng		0.00
64) Phenanthrene-d10	17.528	188	1851077	20.000	ng		0.00
76) Chrysene-d12	21.610	240	1639741	20.000	ng		0.00
86) Perylene-d12	24.180	264	1453642	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.675	112	2538359	145.702	ng		0.00
7) Phenol-d6	7.293	99	3339075	143.864	ng		0.00
23) Nitrobenzene-d5	9.316	82	1851739	90.320	ng		0.00
42) 2,4,6-Tribromophenol	16.269	330	1697472	141.285	ng		0.00
45) 2-Fluorobiphenyl	13.404	172	4876543	85.186	ng		0.00
79) Terphenyl-d14	20.057	244	8534837	103.358	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.517	88	248645	33.735	ng		99
3) Pyridine	3.928	79	700320	33.001	ng		97
4) n-Nitrosodimethylamine	3.834	42	318523	41.860	ng		99
6) Aniline	7.458	93	1267180	41.880	ng		100
8) 2-Chlorophenol	7.699	128	889507	48.498	ng		98
9) Benzaldehyde	7.269	77	392402m	28.969	ng		
10) Phenol	7.316	94	1199208	49.459	ng		97
11) bis(2-Chloroethyl)ether	7.552	93	881895	45.532	ng		98
12) 1,3-Dichlorobenzene	8.028	146	954678	46.208	ng		100
13) 1,4-Dichlorobenzene	8.175	146	973892	46.588	ng		99
14) 1,2-Dichlorobenzene	8.499	146	942979	47.141	ng		99
15) Benzyl Alcohol	8.381	79	791175m	48.139	ng		
16) 2,2'-oxybis(1-Chloropr...	8.675	45	1054362	46.610	ng		99
17) 2-Methylphenol	8.581	107	781032	45.968	ng		99
18) Hexachloroethane	9.234	117	325235	47.182	ng		95
19) n-Nitroso-di-n-propyla...	8.958	70	667310	45.825	ng		99
20) 3+4-Methylphenols	8.910	107	1057897	45.640	ng		99
22) Acetophenone	8.975	105	1328988	42.733	ng	#	98
24) Nitrobenzene	9.358	77	963682	43.335	ng		99
25) Isophorone	9.887	82	1916361	42.172	ng		99
26) 2-Nitrophenol	10.075	139	431681	42.269	ng		98
27) 2,4-Dimethylphenol	10.128	122	838432	45.719	ng		98
28) bis(2-Chloroethoxy)met...	10.363	93	1183431	43.451	ng		99
29) 2,4-Dichlorophenol	10.610	162	923449	46.264	ng		100
30) 1,2,4-Trichlorobenzene	10.828	180	983645	44.412	ng		98
31) Naphthalene	11.022	128	2640523	42.109	ng		100
32) Benzoic acid	10.269	122	612212	42.248	ng		97
33) 4-Chloroaniline	11.122	127	671860	24.384	ng		99
34) Hexachlorobutadiene	11.304	225	617034	43.889	ng		99
35) Caprolactam	11.916	113	281525m	42.947	ng		
36) 4-Chloro-3-methylphenol	12.234	107	938418	44.694	ng		99
37) 2-Methylnaphthalene	12.616	142	1900067	40.298	ng		99
38) 1-Methylnaphthalene	12.834	142	1783880	40.277	ng		99
40) 1,2,4,5-Tetrachloroben...	12.981	216	1187147	43.410	ng		99
41) Hexachlorocyclopentadiene	12.957	237	1347081	107.923	ng		98
43) 2,4,6-Trichlorophenol	13.210	196	816214	45.326	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013684.D
Acq On : 31 Jan 2023 21:04
Operator : CG/JU
Sample : PB150378BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 01 06:32:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 03:43:48 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.287	196	896098	42.502	ng	100
46) 1,1'-Biphenyl	13.610	154	2579371	42.552	ng	99
47) 2-Chloronaphthalene	13.657	162	2004868	42.789	ng	100
48) 2-Nitroaniline	13.857	65	471762	40.830	ng	99
49) Acenaphthylene	14.498	152	3185877	42.163	ng	99
50) Dimethylphthalate	14.228	163	2657412	42.891	ng	100
51) 2,6-Dinitrotoluene	14.345	165	550559	43.527	ng	99
52) Acenaphthene	14.840	154	2285561m	46.984	ng	
53) 3-Nitroaniline	14.675	138	435346	33.113	ng	95
54) 2,4-Dinitrophenol	14.881	184	715278	85.614	ng	97
55) Dibenzofuran	15.175	168	3152288	41.406	ng	99
56) 4-Nitrophenol	14.981	139	1010325	94.052	ng	99
57) 2,4-Dinitrotoluene	15.134	165	751250	44.321	ng	99
58) Fluorene	15.822	166	2508341	41.965	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.398	232	832052	45.384	ng	99
60) Diethylphthalate	15.587	149	2552116	42.968	ng	100
61) 4-Chlorophenyl-phenyle...	15.810	204	1377167	42.310	ng	99
62) 4-Nitroaniline	15.845	138	540433	40.362	ng	99
63) Azobenzene	16.104	77	2333492	42.530	ng	98
65) 4,6-Dinitro-2-methylph...	15.898	198	447924	42.477	ng	95
66) n-Nitrosodiphenylamine	16.028	169	2275021	42.240	ng	99
67) 4-Bromophenyl-phenylether	16.710	248	919418	43.329	ng	99
68) Hexachlorobenzene	16.828	284	1071399	45.597	ng	97
69) Atrazine	16.981	200	863738	49.284	ng	99
70) Pentachlorophenol	17.175	266	1445994	83.427	ng	99
71) Phenanthrene	17.575	178	4238463	42.719	ng	99
72) Anthracene	17.663	178	4257449	42.504	ng	99
73) Carbazole	17.928	167	3861927	42.460	ng	100
74) Di-n-butylphthalate	18.457	149	4331139	43.515	ng	99
75) Fluoranthene	19.522	202	5110055	41.370	ng	100
77) Benzidine	19.692	184	1839741	51.944	ng	99
78) Pyrene	19.875	202	5243756	47.533	ng	100
80) Butylbenzylphthalate	20.727	149	1461881	48.541	ng	98
81) Benzo(a)anthracene	21.592	228	4968194	43.621	ng	100
82) 3,3'-Dichlorobenzidine	21.510	252	1361890	37.821	ng	99
83) Chrysene	21.645	228	4577755	42.186	ng	99
84) Bis(2-ethylhexyl)phtha...	21.486	149	2294930	44.754	ng	100
85) Di-n-octyl phthalate	22.474	149	3767878	40.239	ng	100
87) Indeno(1,2,3-cd)pyrene	26.904	276	4198180	37.975	ng	100
88) Benzo(b)fluoranthene	23.386	252	4491017	51.404	ng	99
89) Benzo(k)fluoranthene	23.439	252	4288510	49.007	ng	99
90) Benzo(a)pyrene	24.069	252	3690409	42.554	ng	100
91) Dibenzo(a,h)anthracene	26.921	278	3562245	38.820	ng	100
92) Benzo(g,h,i)perylene	27.739	276	3413658	37.455	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

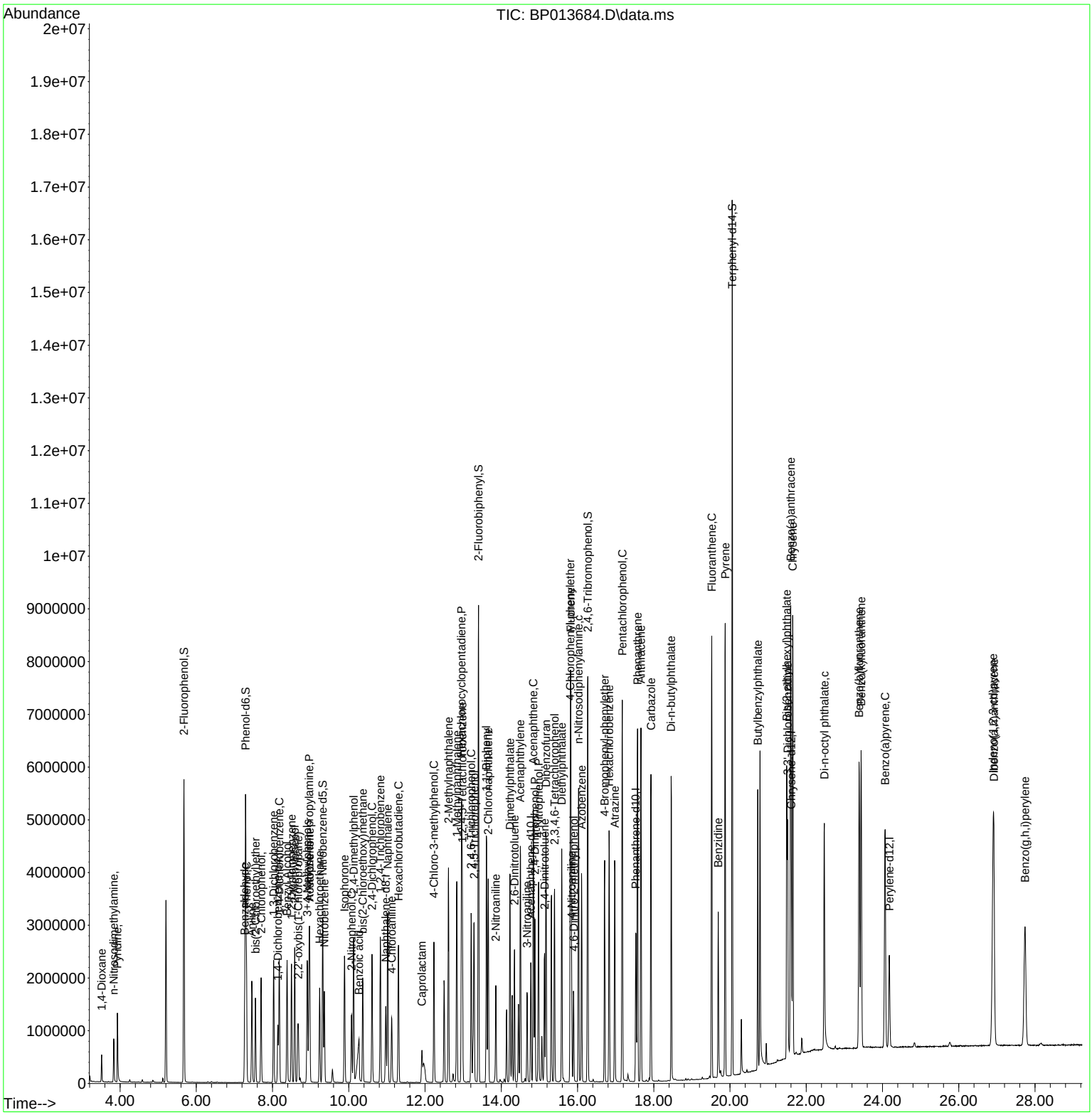
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013123\
Data File : BP013684.D
Acq On : 31 Jan 2023 21:04
Operator : CG/JU
Sample : PB150378BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

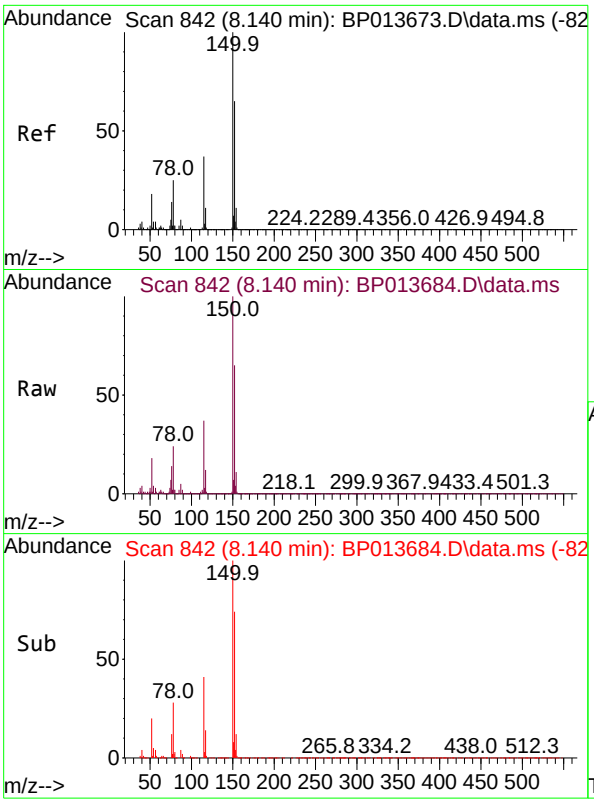
Quant Time: Feb 01 06:32:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 03:43:48 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

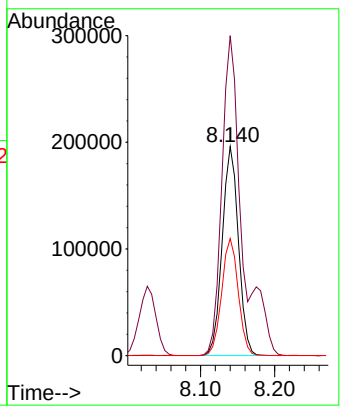




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.140 min Scan# 84
Delta R.T. -0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:152 Resp: 29781

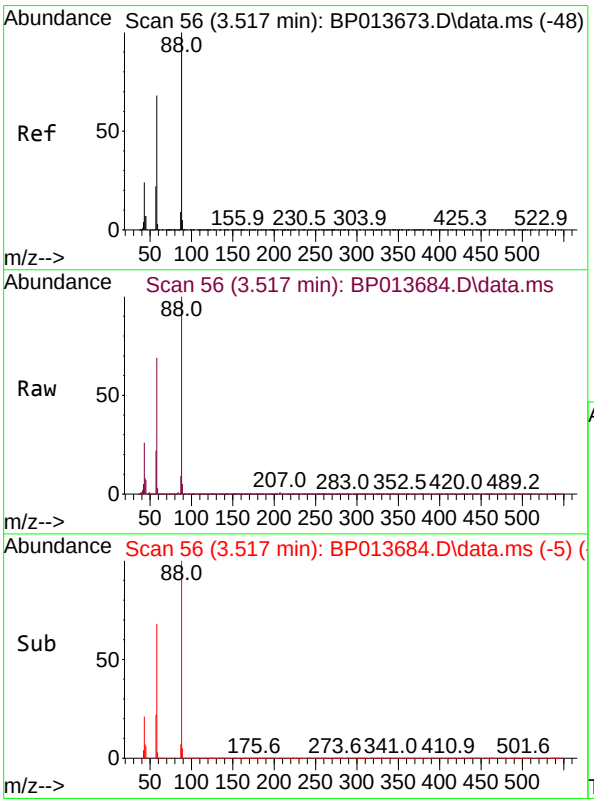
Ion	Ratio	Lower	Upper
152	100		
150	153.1	123.6	185.4
115	56.0	45.4	68.0



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

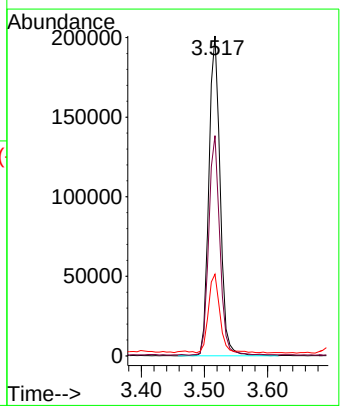
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

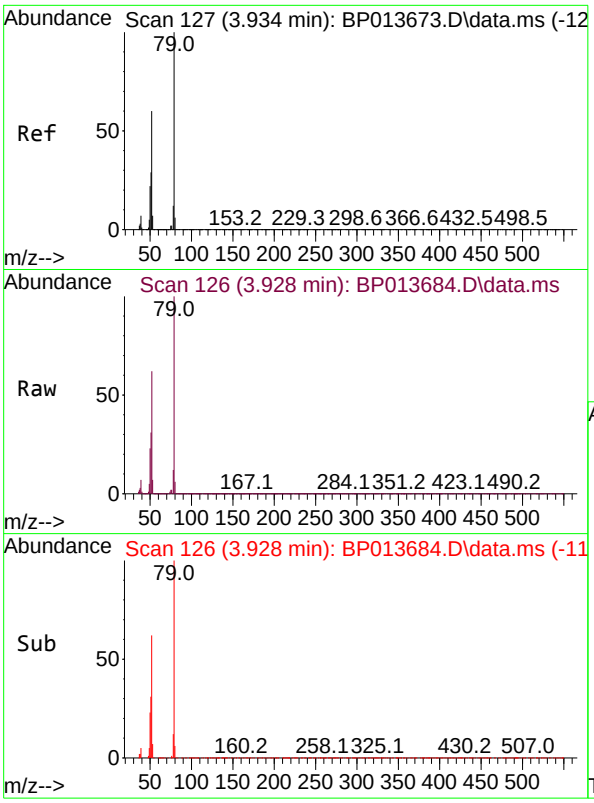


#2
1,4-Dioxane
Concen: 33.735 ng
RT: 3.517 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion: 88 Resp: 248645

Ion	Ratio	Lower	Upper
88	100		
58	67.7	53.8	80.8
43	25.1	19.8	29.6

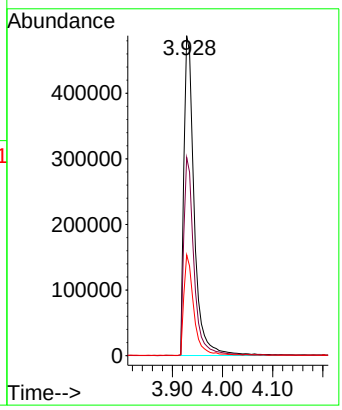




#3
Pyridine
Concen: 33.001 ng
RT: 3.928 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion: 79 Resp: 70032

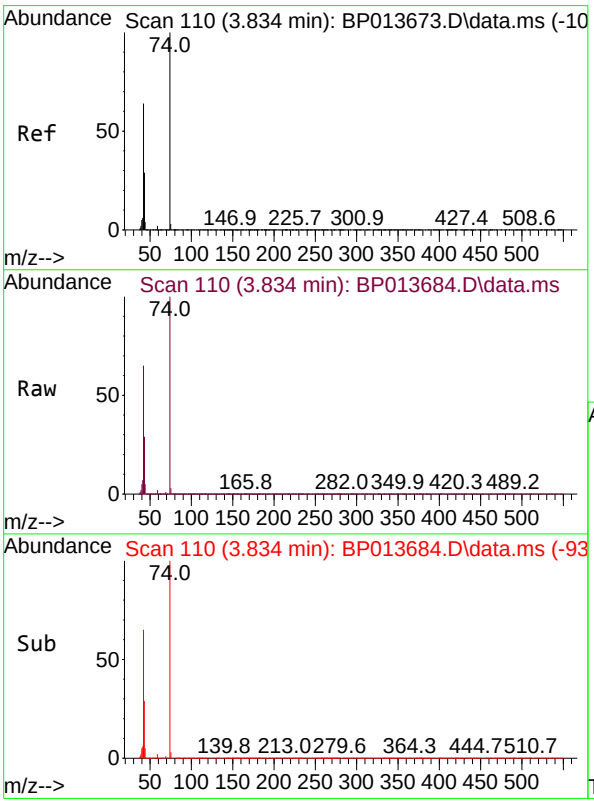
Ion	Ratio	Lower	Upper
79	100		
52	61.9	48.2	72.2
51	31.5	23.6	35.4



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

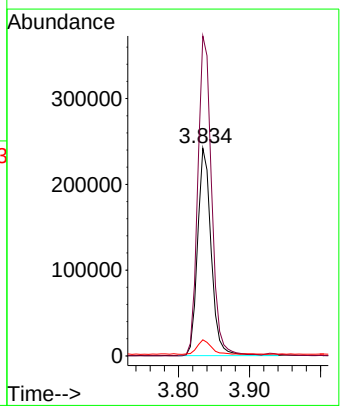
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

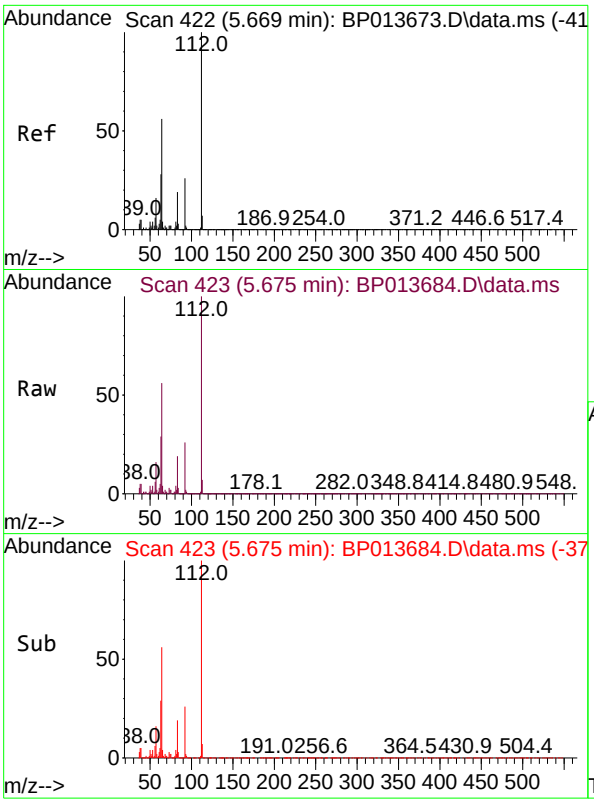


#4
n-Nitrosodimethylamine
Concen: 41.860 ng
RT: 3.834 min Scan# 110
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion: 42 Resp: 318523

Ion	Ratio	Lower	Upper
42	100		
74	154.2	124.6	187.0
44	7.7	6.3	9.5

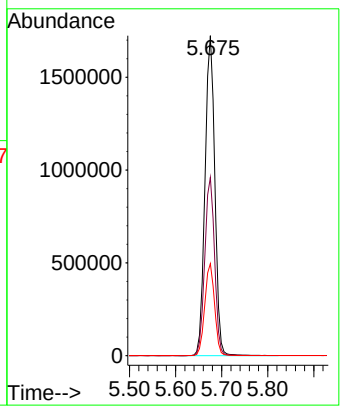




#5
2-Fluorophenol
Concen: 145.702 ng
RT: 5.675 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:112 Resp: 253835

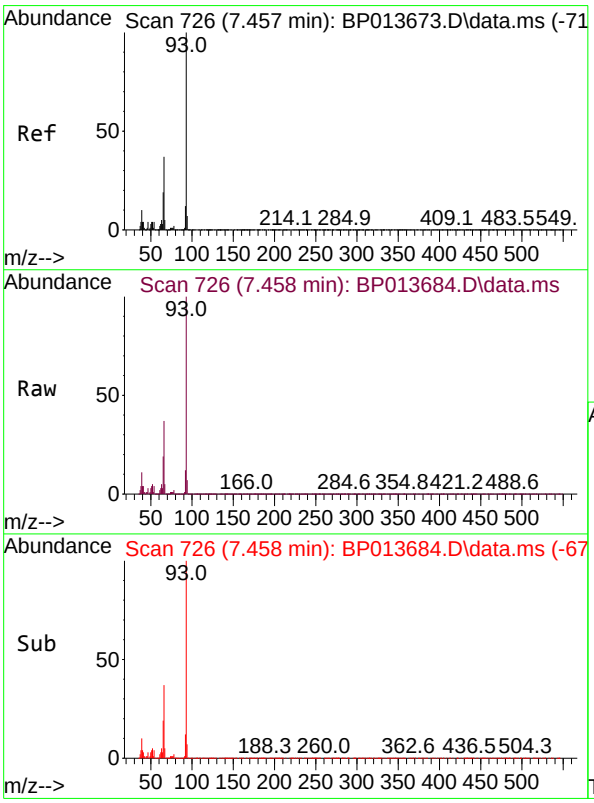
Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.6	67.0
63	28.7	22.6	34.0



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

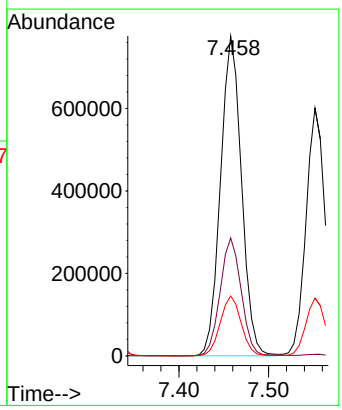
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

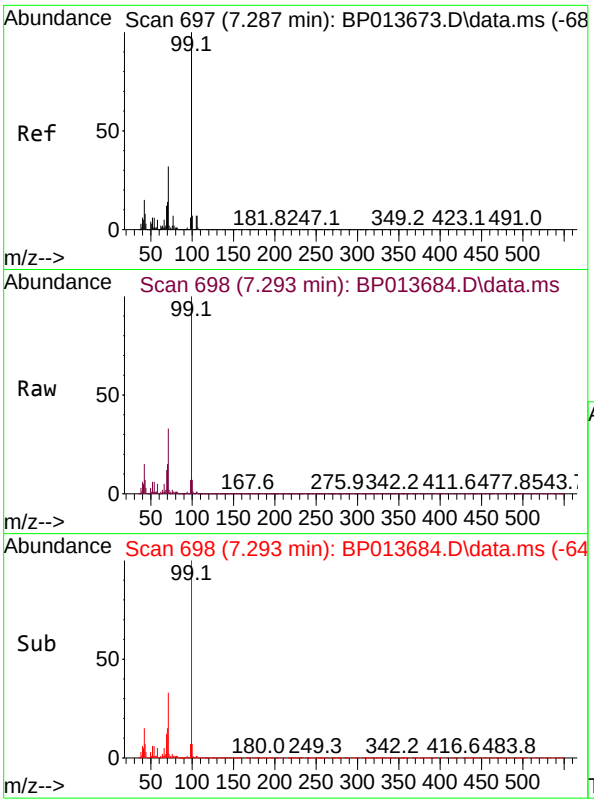


#6
Aniline
Concen: 41.880 ng
RT: 7.458 min Scan# 726
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion: 93 Resp: 1267180

Ion	Ratio	Lower	Upper
93	100		
66	36.9	29.3	43.9
65	18.7	15.1	22.7

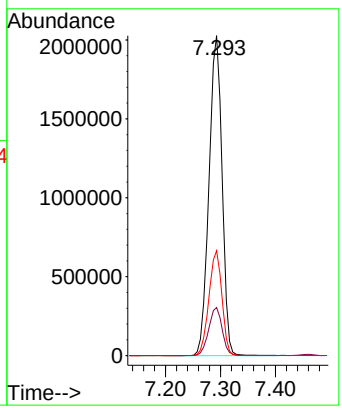




#7
Phenol-d6
Concen: 143.864 ng
RT: 7.293 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion: 99 Resp: 333907

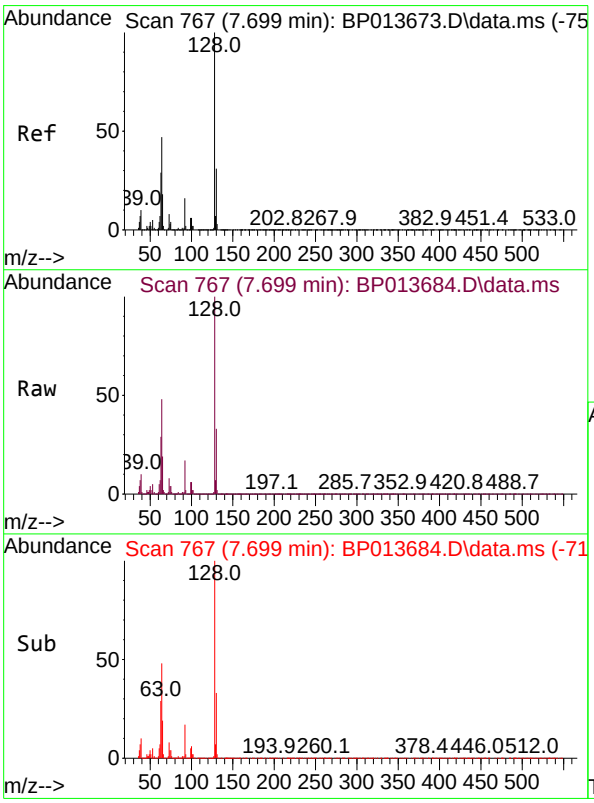
Ion	Ratio	Lower	Upper
99	100		
42	15.0	11.8	17.6
71	32.8	25.6	38.4



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

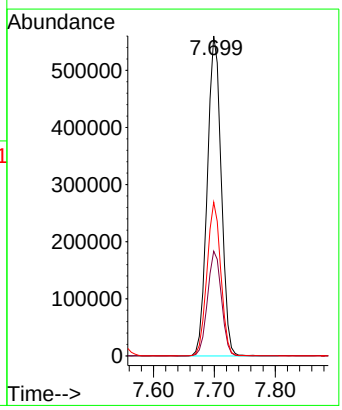
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

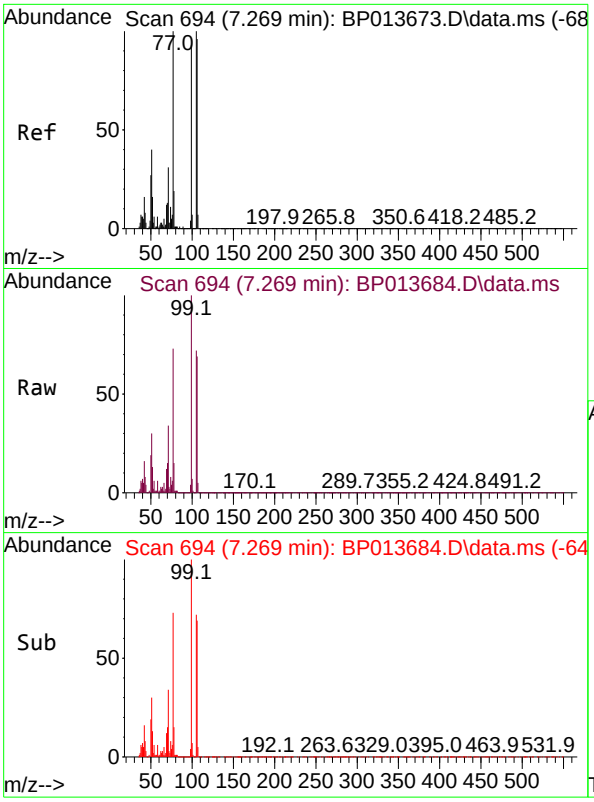


#8
2-Chlorophenol
Concen: 48.498 ng
RT: 7.699 min Scan# 767
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:128 Resp: 889507

Ion	Ratio	Lower	Upper
128	100		
130	32.7	10.8	50.8
64	48.0	26.9	66.9

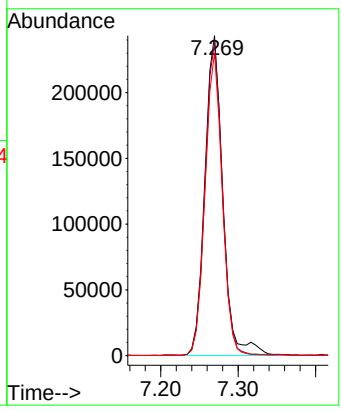




#9
Benzaldehyde
Concen: 28.969 ng m
RT: 7.269 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion: 77 Resp: 39240

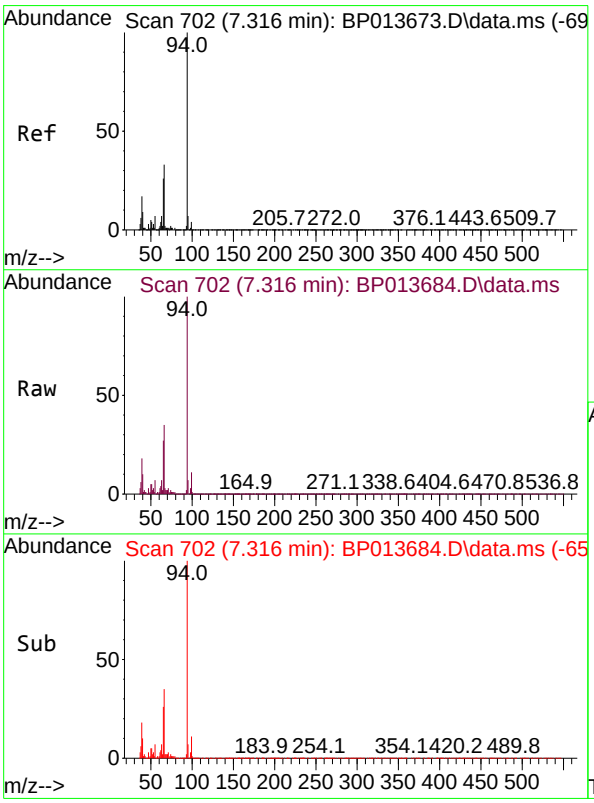
Ion	Ratio	Lower	Upper
77	100		
105	97.8	80.4	120.4
106	94.6	76.7	116.7



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

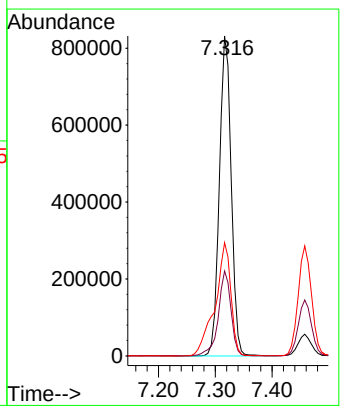
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

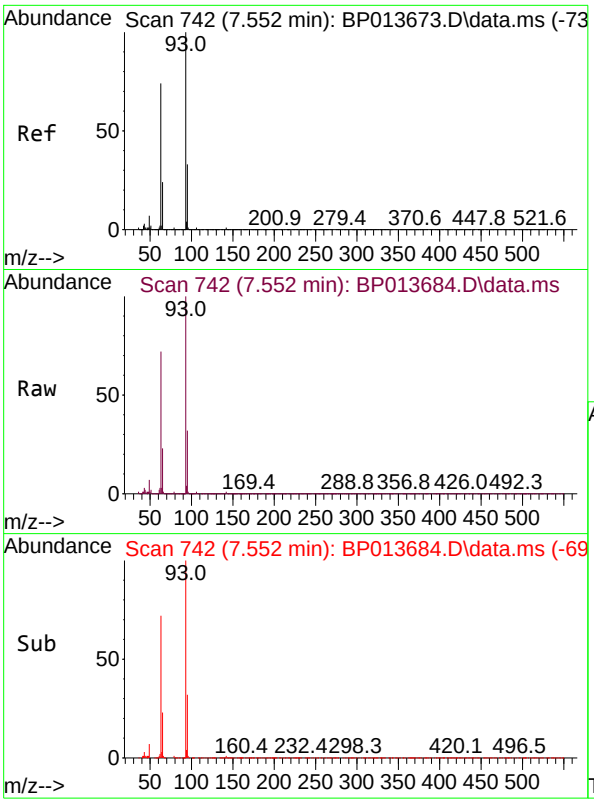


#10
Phenol
Concen: 49.459 ng
RT: 7.316 min Scan# 702
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion: 94 Resp: 1199208

Ion	Ratio	Lower	Upper
94	100		
65	26.5	6.0	46.0
66	35.4	13.1	53.1

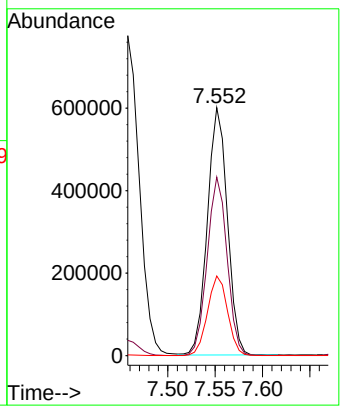




#11
bis(2-Chloroethyl)ether
Concen: 45.532 ng
RT: 7.552 min Scan# 74
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion: 93 Resp: 88189

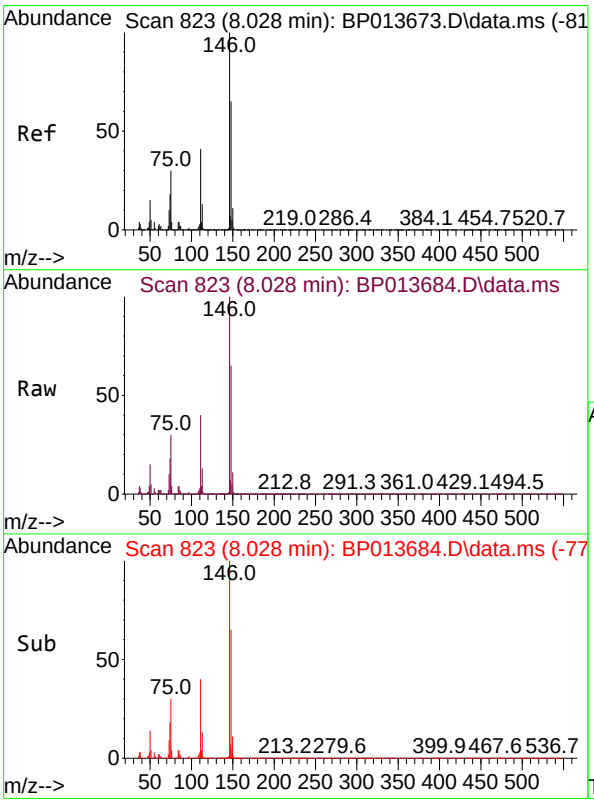
Ion	Ratio	Lower	Upper
93	100		
63	72.0	53.7	93.7
95	32.1	12.4	52.4



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

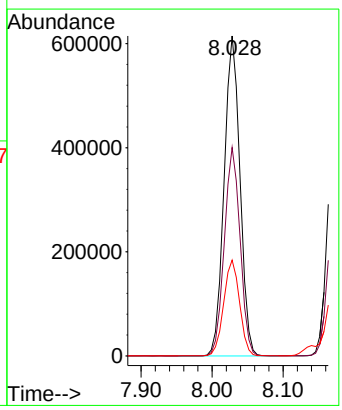
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

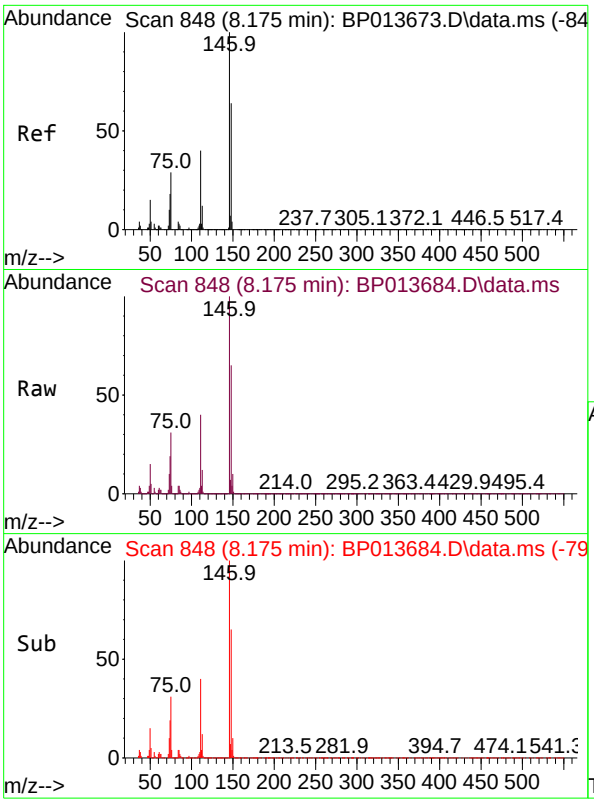


#12
1,3-Dichlorobenzene
Concen: 46.208 ng
RT: 8.028 min Scan# 823
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:146 Resp: 954678

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.9	77.9
75	29.9	24.0	36.0

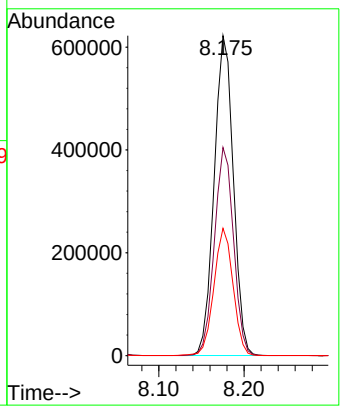




#13
1,4-Dichlorobenzene
Concen: 46.588 ng
RT: 8.175 min Scan# 84
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:146 Resp: 97389

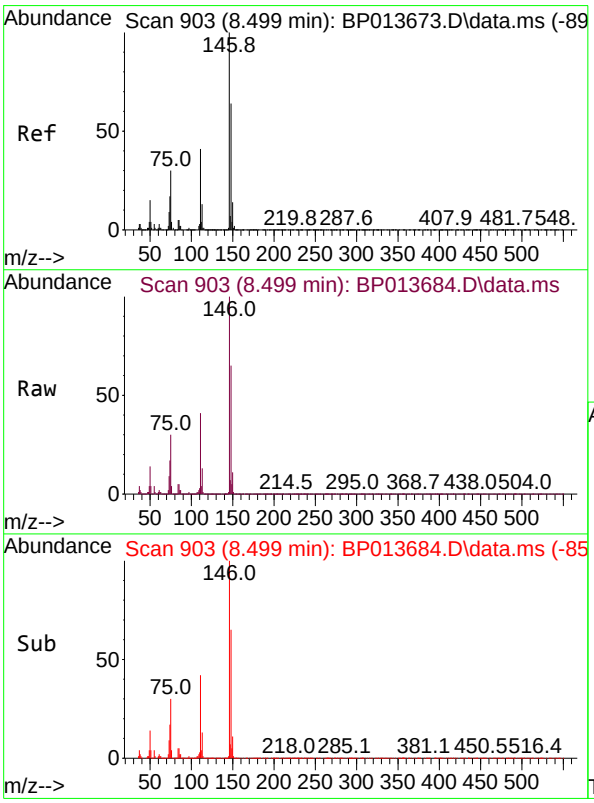
Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.5	77.3
111	39.8	32.0	48.0



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

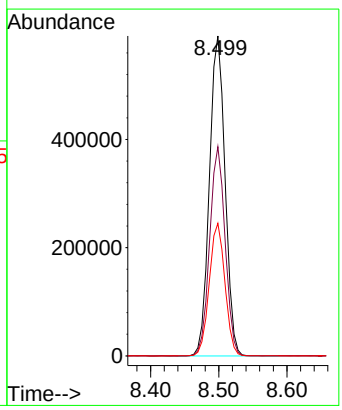
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

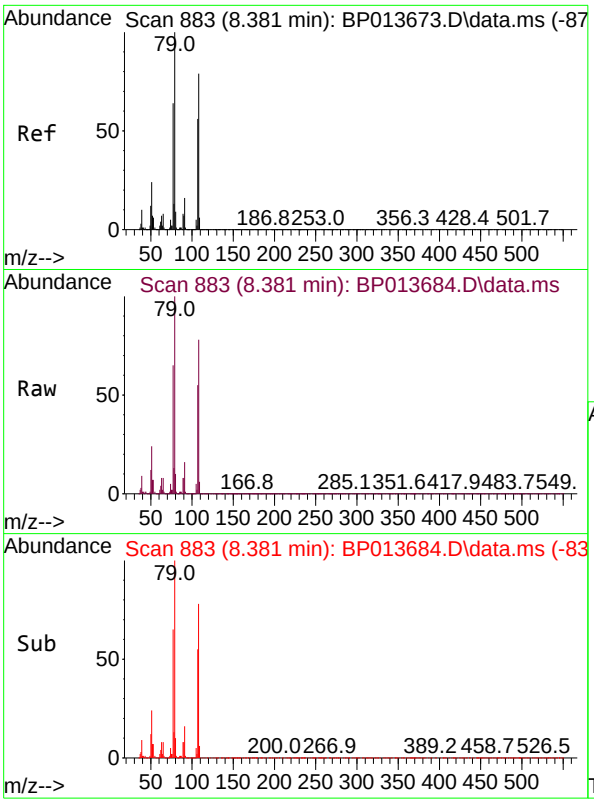


#14
1,2-Dichlorobenzene
Concen: 47.141 ng
RT: 8.499 min Scan# 903
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:146 Resp: 942979

Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.3	76.9
111	41.4	32.8	49.2

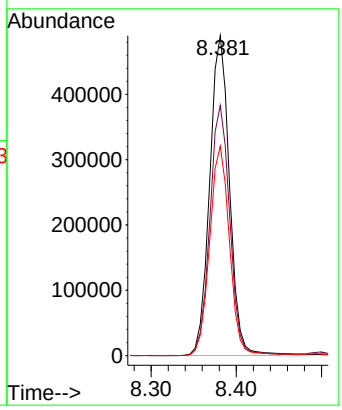




#15
Benzyl Alcohol
Concen: 48.139 ng m
RT: 8.381 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion: 79 Resp: 79117

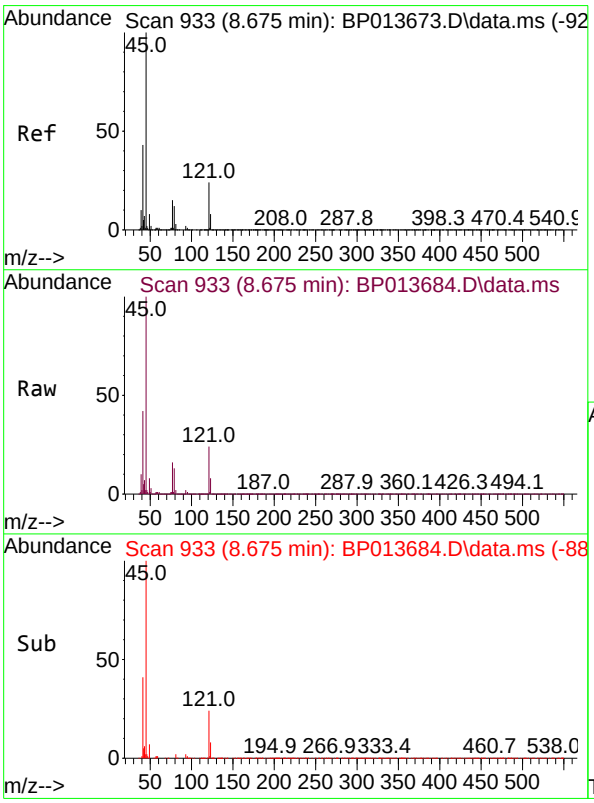
Ion	Ratio	Lower	Upper
79	100		
108	78.2	62.9	94.3
77	65.5	51.1	76.7



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

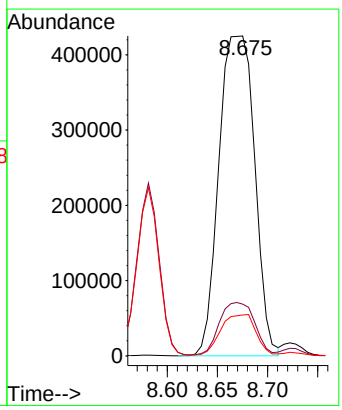
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

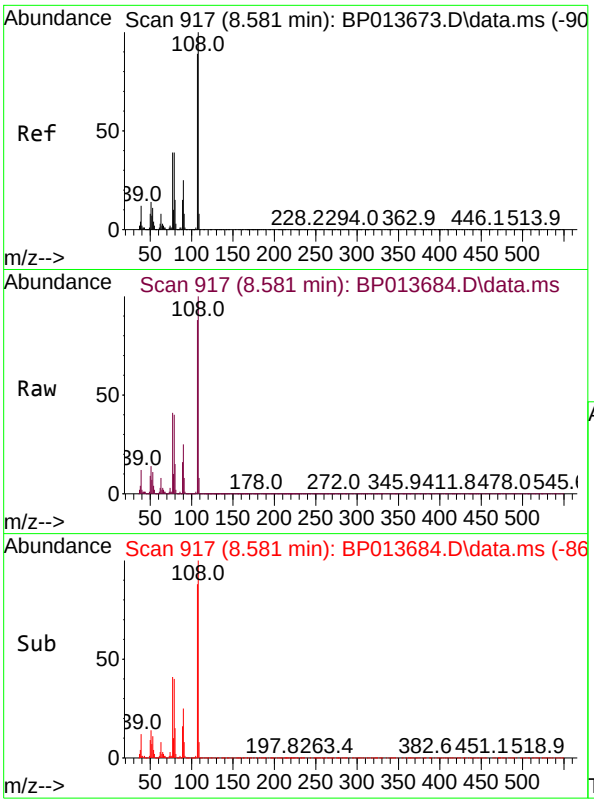


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.610 ng
RT: 8.675 min Scan# 933
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion: 45 Resp: 1054362

Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.0	36.4
79	12.8	0.0	33.4

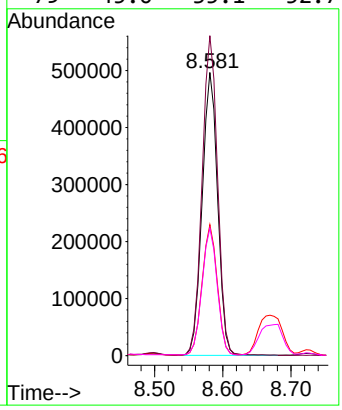




#17
2-Methylphenol
Concen: 45.968 ng
RT: 8.581 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:107 Resp: 78103

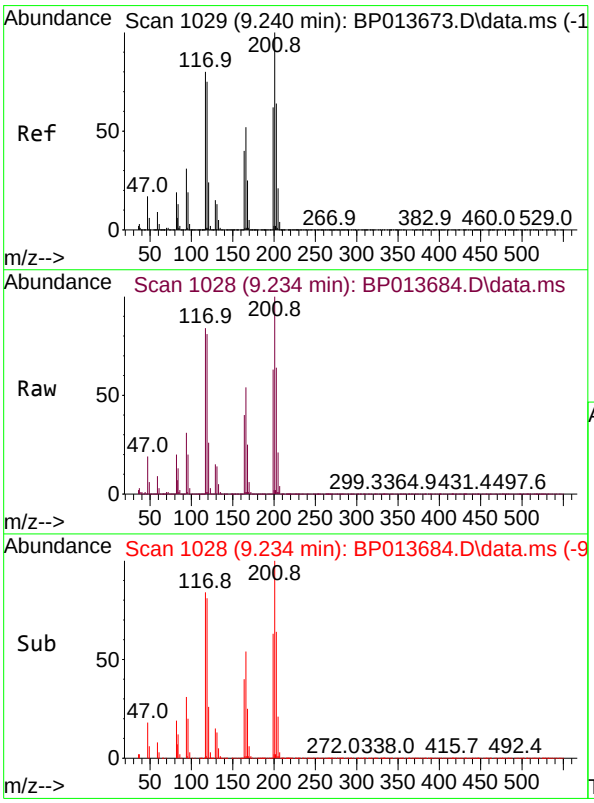
Ion	Ratio	Lower	Upper
107	100		
108	113.0	90.0	135.0
77	46.2	35.7	53.5
79	45.0	35.1	52.7



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

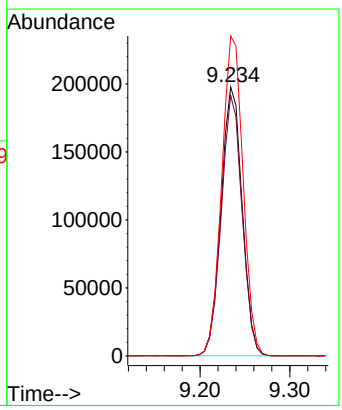
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

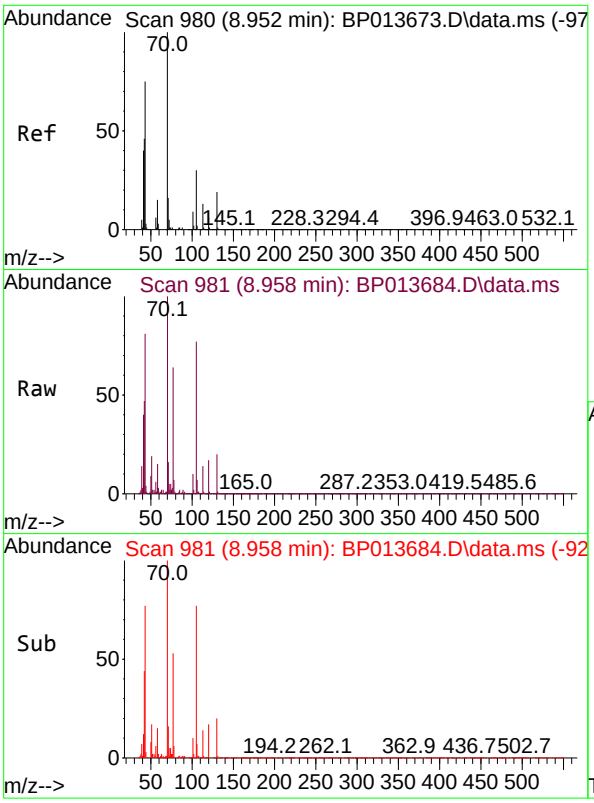


#18
Hexachloroethane
Concen: 47.182 ng
RT: 9.234 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:117 Resp: 325235

Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.0	112.4
201	119.0	100.4	150.6





#19
n-Nitroso-di-n-propylamine
Concen: 45.825 ng
RT: 8.958 min Scan# 98
Delta R.T. 0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

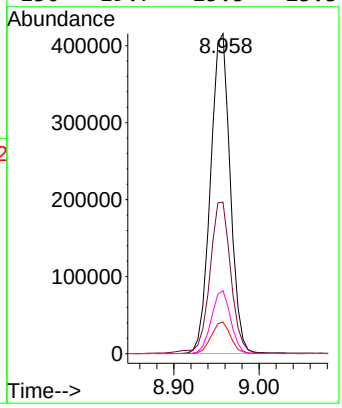
Instrument :
BNA_P
ClientSampleId :
PB150378BS

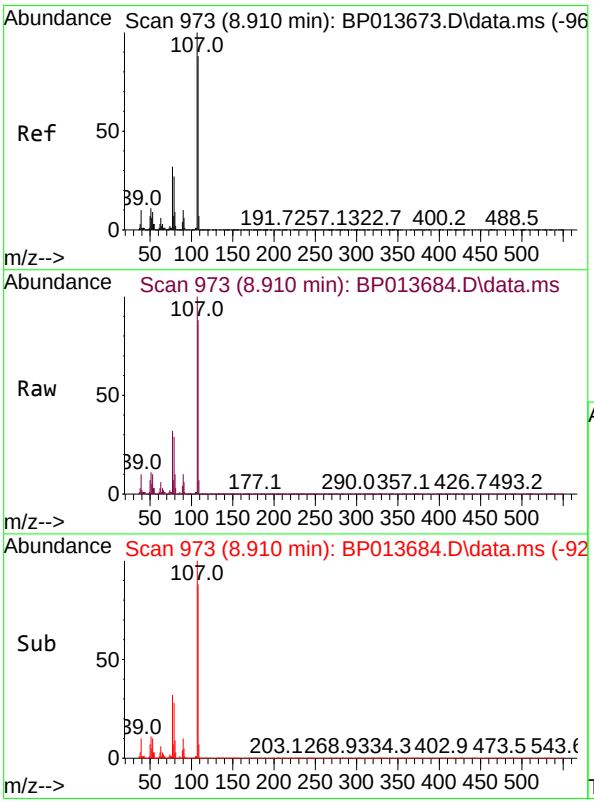
Tgt Ion: 70 Resp: 66731

Ion	Ratio	Lower	Upper
70	100		
42	47.3	37.2	55.8
101	9.9	7.4	11.2
130	19.7	15.5	23.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

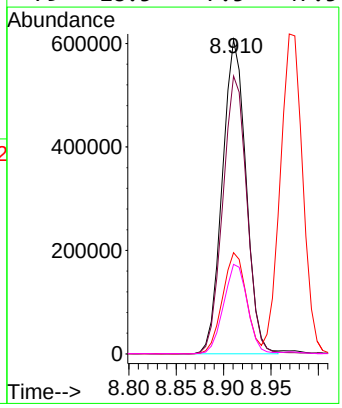


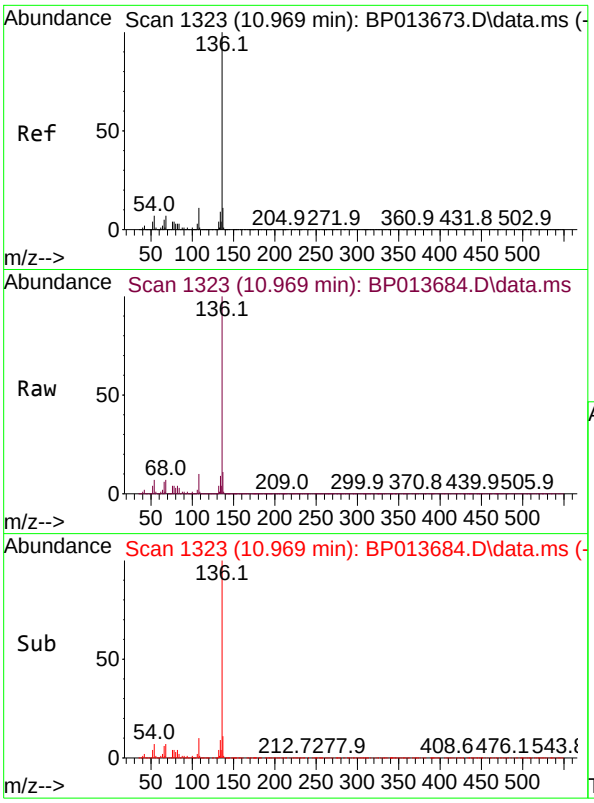


#20
3+4-Methylphenols
Concen: 45.640 ng
RT: 8.910 min Scan# 973
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:107 Resp: 1057897

Ion	Ratio	Lower	Upper
107	100		
108	88.5	67.7	107.7
77	32.2	12.0	52.0
79	28.5	7.5	47.5

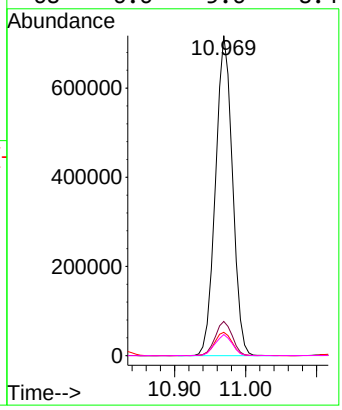




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:136 Resp: 119259

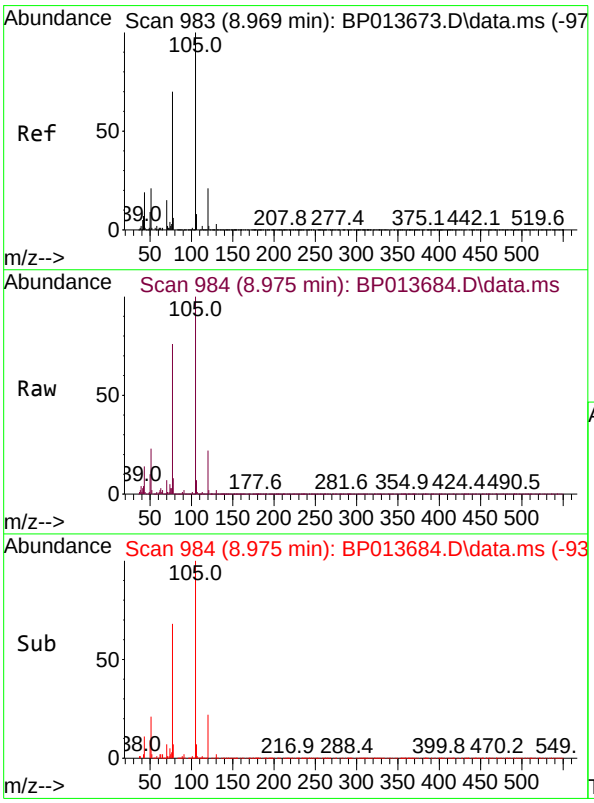
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.6	6.0	9.0
68	6.6	5.6	8.4



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

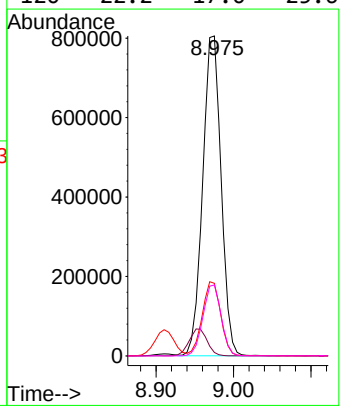
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

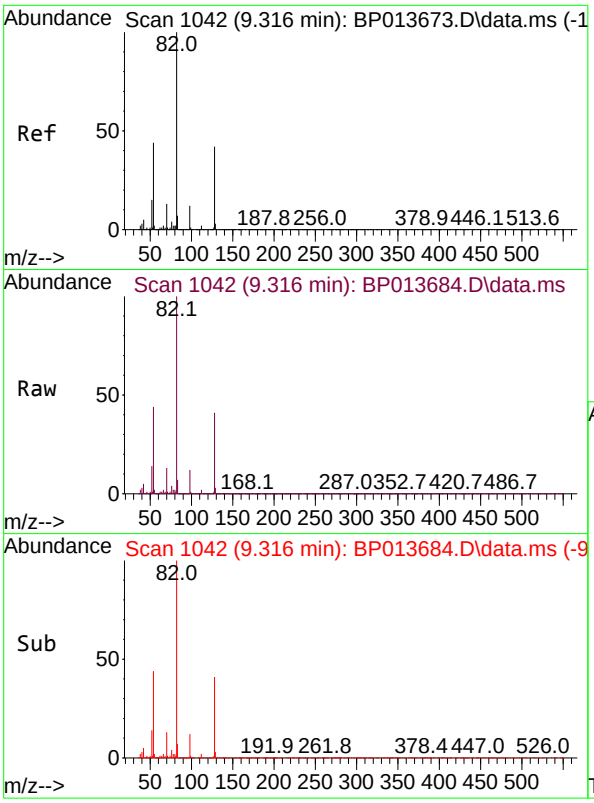


#22
Acetophenone
Concen: 42.733 ng
RT: 8.975 min Scan# 984
Delta R.T. 0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:105 Resp: 1328988

Ion	Ratio	Lower	Upper
105	100		
71	1.1	2.2	3.2#
51	22.7	18.6	27.8
120	22.2	17.0	25.6





#23
Nitrobenzene-d5
Concen: 90.320 ng
RT: 9.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

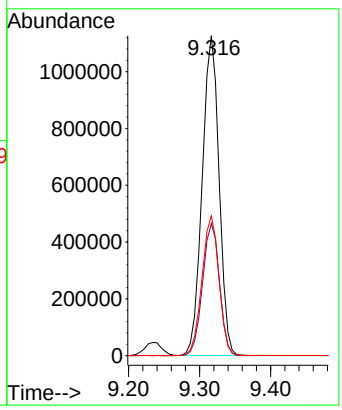
Tgt Ion: 82 Resp: 185173

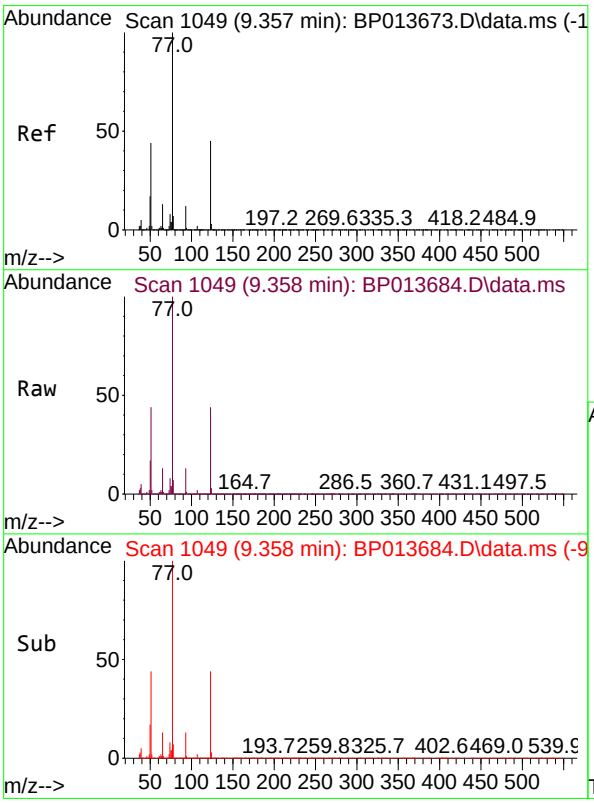
Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.4	50.0
54	43.7	35.4	53.0

Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

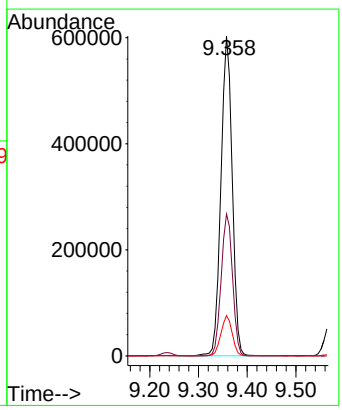


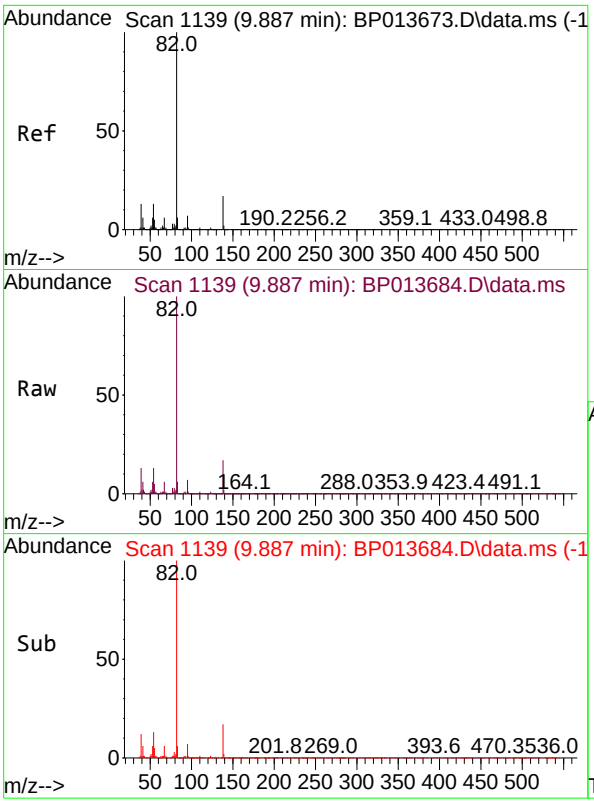


#24
Nitrobenzene
Concen: 43.335 ng
RT: 9.358 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion: 77 Resp: 963682

Ion	Ratio	Lower	Upper
77	100		
123	44.3	35.9	53.9
65	12.6	10.2	15.4





#25
Isophorone
Concen: 42.172 ng
RT: 9.887 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

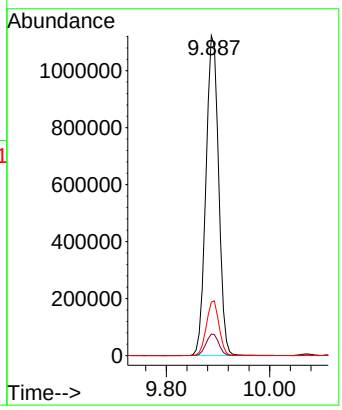
Tgt Ion: 82 Resp: 191636

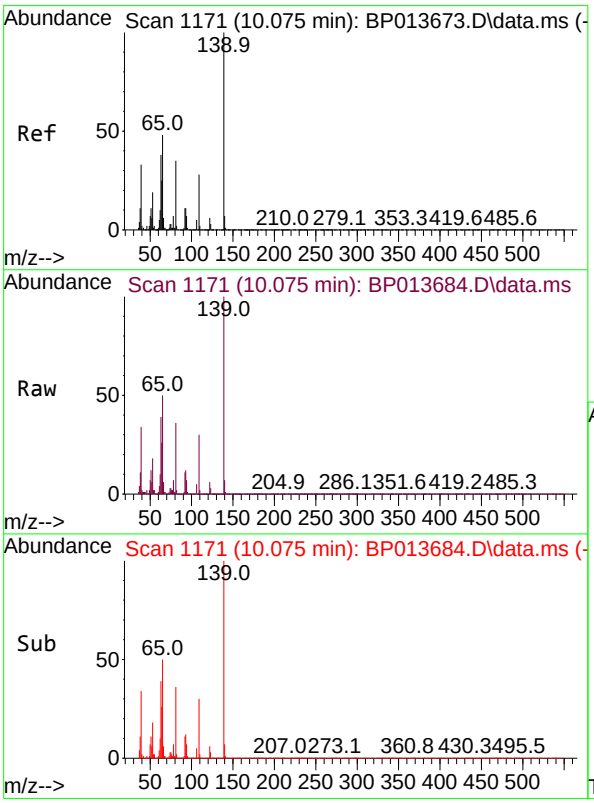
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	16.7	13.9	20.9

Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

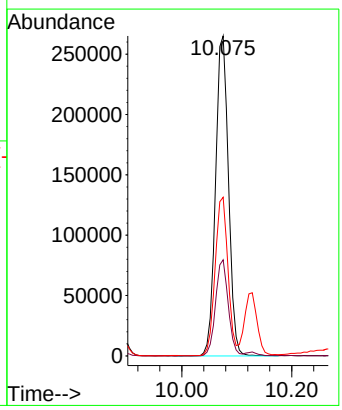


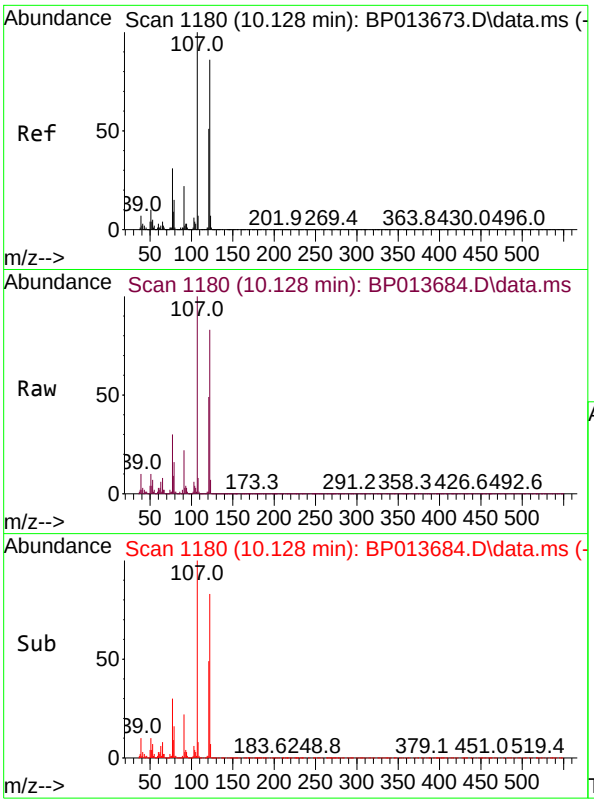


#26
2-Nitrophenol
Concen: 42.269 ng
RT: 10.075 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:139 Resp: 431681

Ion	Ratio	Lower	Upper
139	100		
109	30.0	22.7	34.1
65	49.6	38.8	58.2





#27
2,4-Dimethylphenol
Concen: 45.719 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

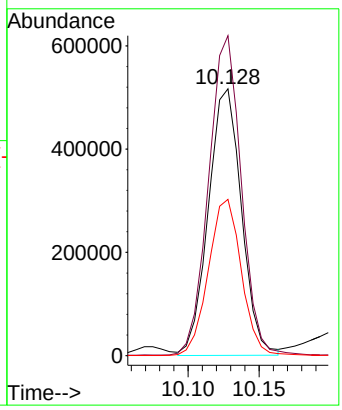
Tgt Ion:122 Resp: 838431

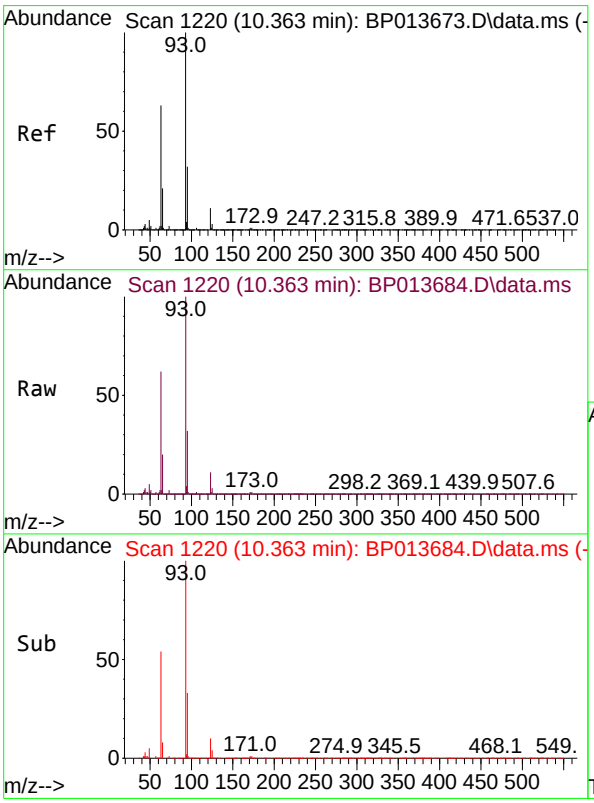
Ion	Ratio	Lower	Upper
122	100		
107	119.9	93.0	139.6
121	58.5	47.0	70.4

Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

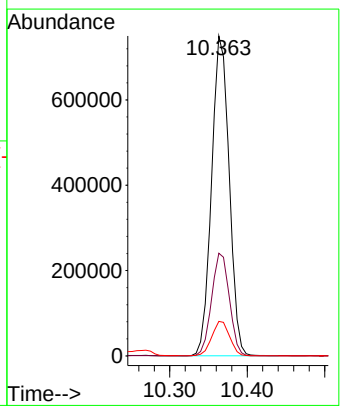


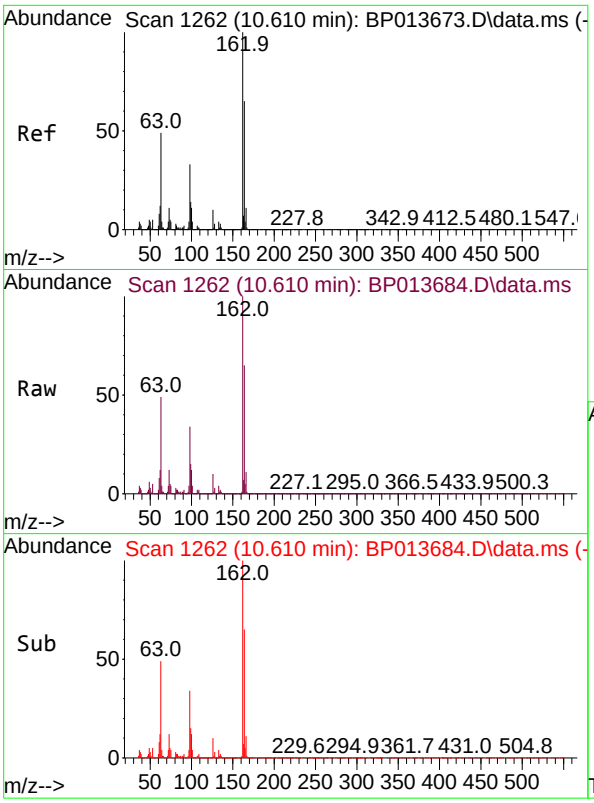


#28
bis(2-Chloroethoxy)methane
Concen: 43.451 ng
RT: 10.363 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion: 93 Resp: 1183431

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.0	39.0
123	10.8	8.7	13.1

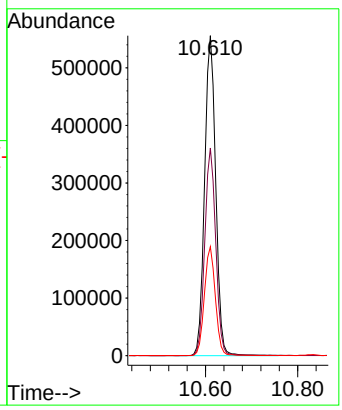




#29
2,4-Dichlorophenol
Concen: 46.264 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:162 Resp: 923449

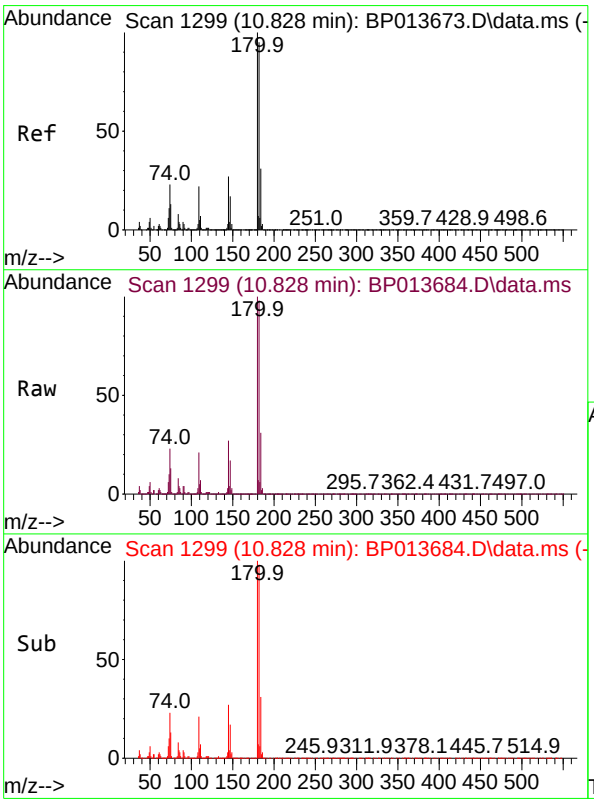
Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.8	84.8
98	34.0	13.4	53.4



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

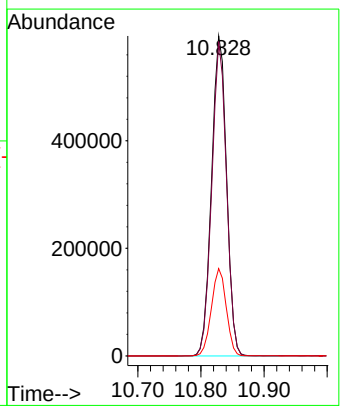
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

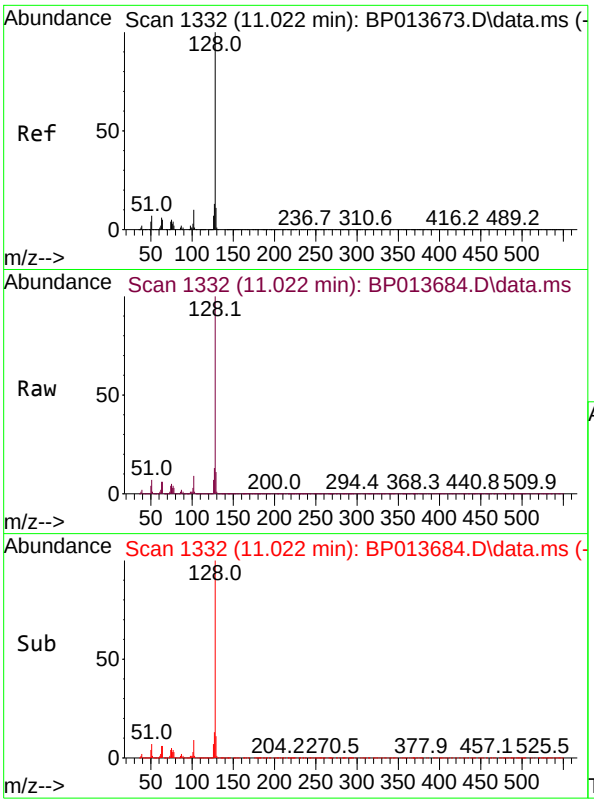


#30
1,2,4-Trichlorobenzene
Concen: 44.412 ng
RT: 10.828 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:180 Resp: 983645

Ion	Ratio	Lower	Upper
180	100		
182	98.2	76.4	114.6
145	27.3	21.9	32.9

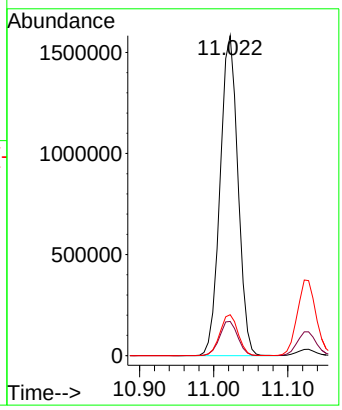




#31
Naphthalene
Concen: 42.109 ng
RT: 11.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:128 Resp: 264052

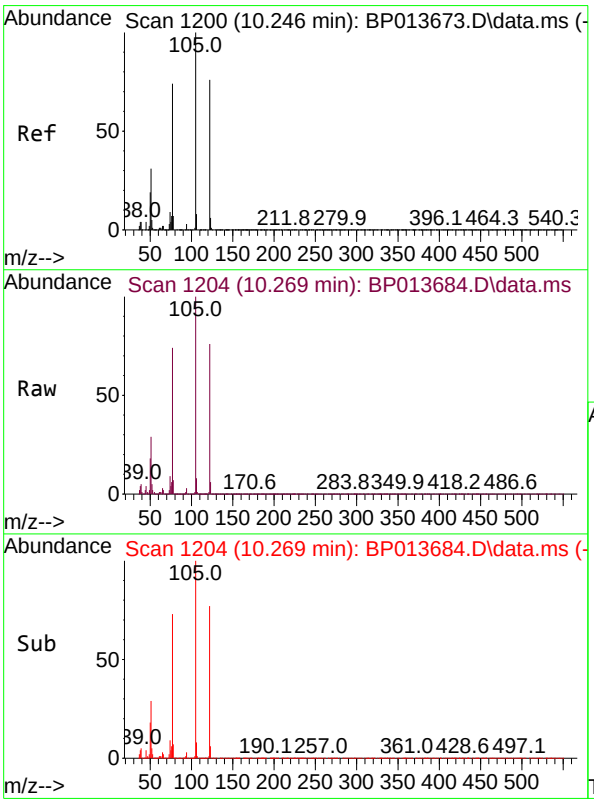
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	12.8	10.5	15.7



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

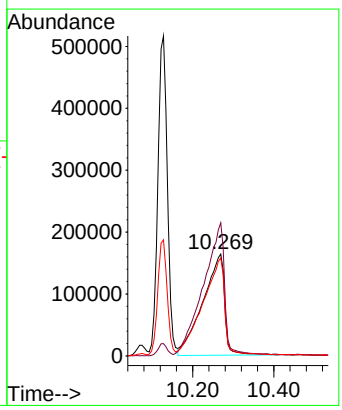
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

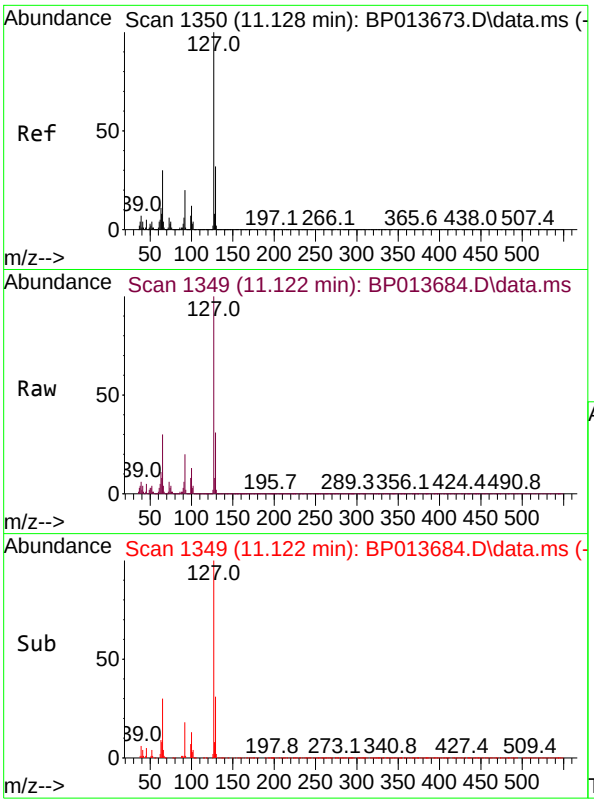


#32
Benzoic acid
Concen: 42.248 ng
RT: 10.269 min Scan# 1204
Delta R.T. 0.023 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:122 Resp: 612212

Ion	Ratio	Lower	Upper
122	100		
105	130.7	105.5	145.5
77	96.2	74.7	114.7

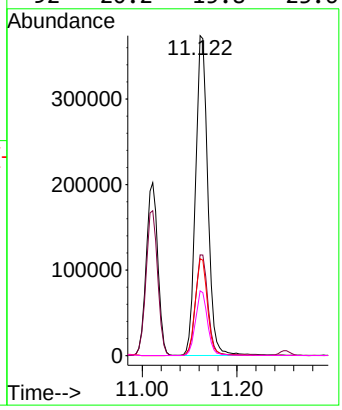




#33
4-Chloroaniline
Concen: 24.384 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:127 Resp: 671860

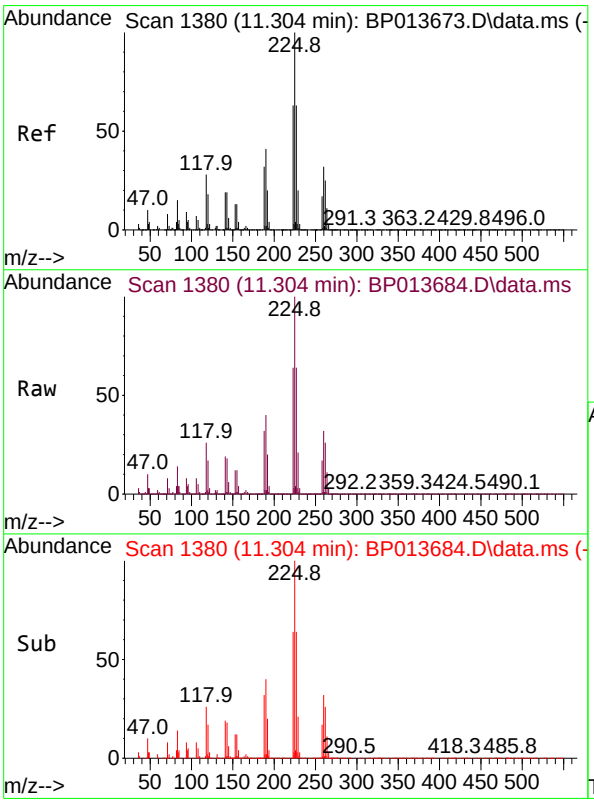
Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.3	37.9
65	30.3	23.8	35.8
92	20.2	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

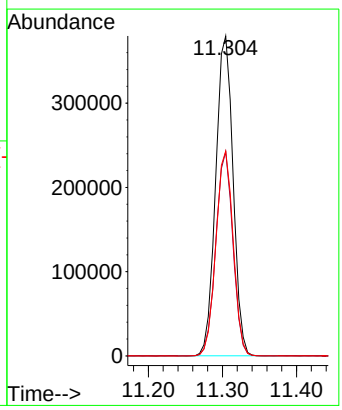
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

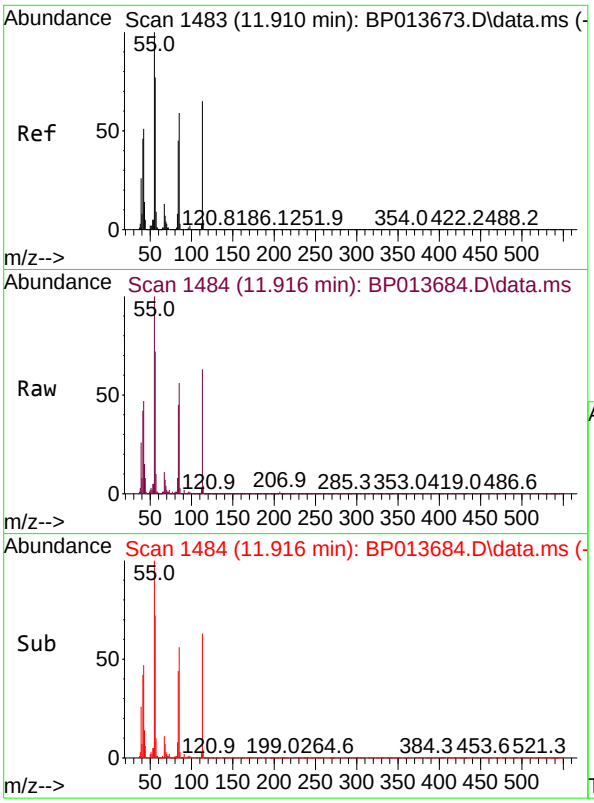


#34
Hexachlorobutadiene
Concen: 43.889 ng
RT: 11.304 min Scan# 1380
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:225 Resp: 617034

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.5	75.7
227	64.0	50.6	75.8





#35
Caprolactam
Concen: 42.947 ng m
RT: 11.916 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

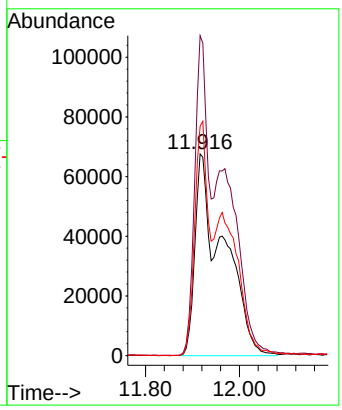
Instrument :
BNA_P
ClientSampleId :
PB150378BS

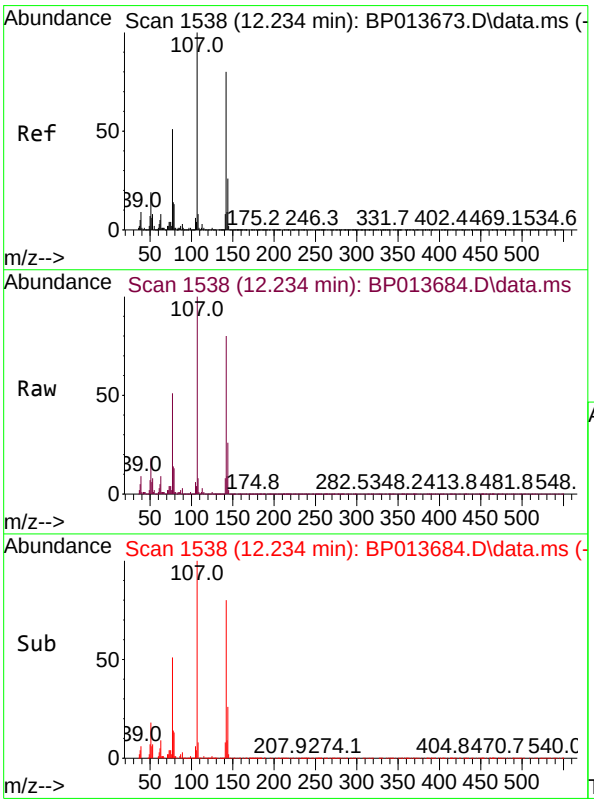
Tgt Ion:113 Resp: 28152

Ion	Ratio	Lower	Upper
113	100		
55	158.7	133.0	173.0
56	113.7	97.4	137.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

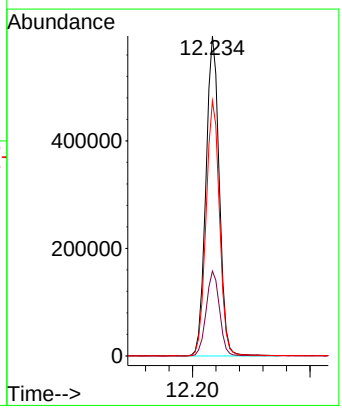


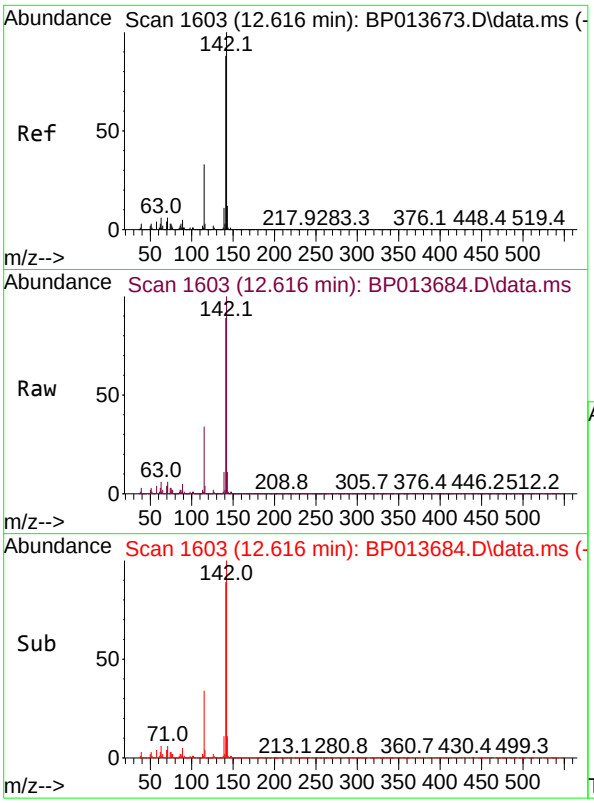


#36
4-Chloro-3-methylphenol
Concen: 44.694 ng
RT: 12.234 min Scan# 1538
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:107 Resp: 938418

Ion	Ratio	Lower	Upper
107	100		
144	26.5	20.8	31.2
142	79.7	64.0	96.0

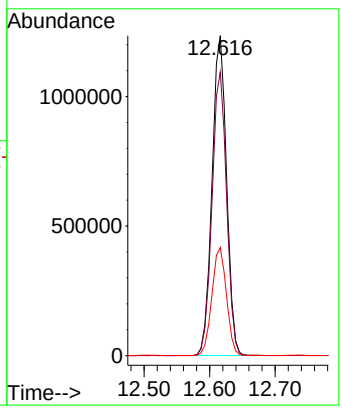




#37
2-Methylnaphthalene
Concen: 40.298 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:142 Resp: 190006

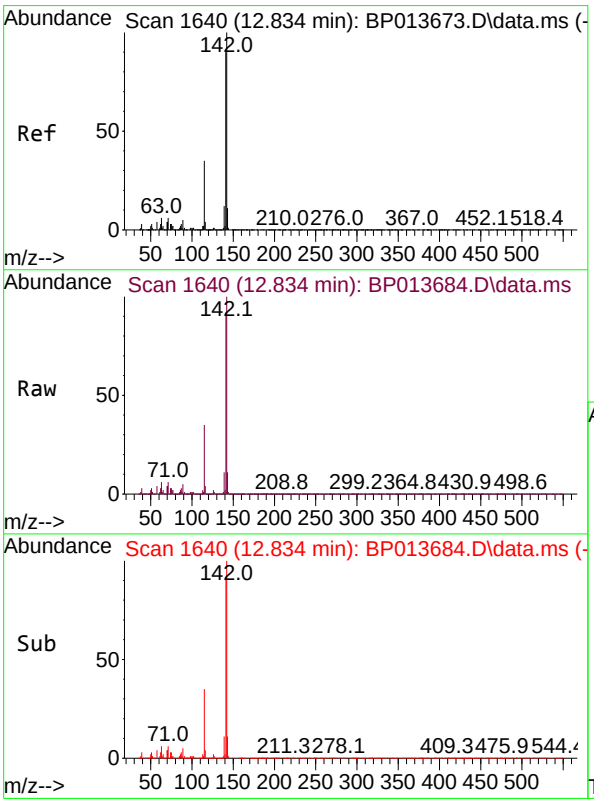
Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.3	105.5
115	33.8	26.4	39.6



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

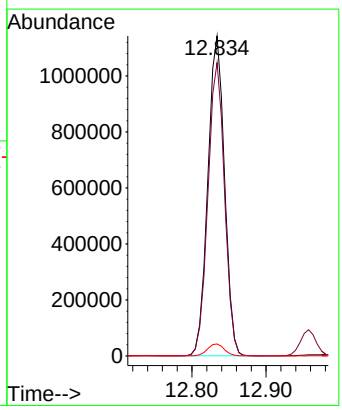
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

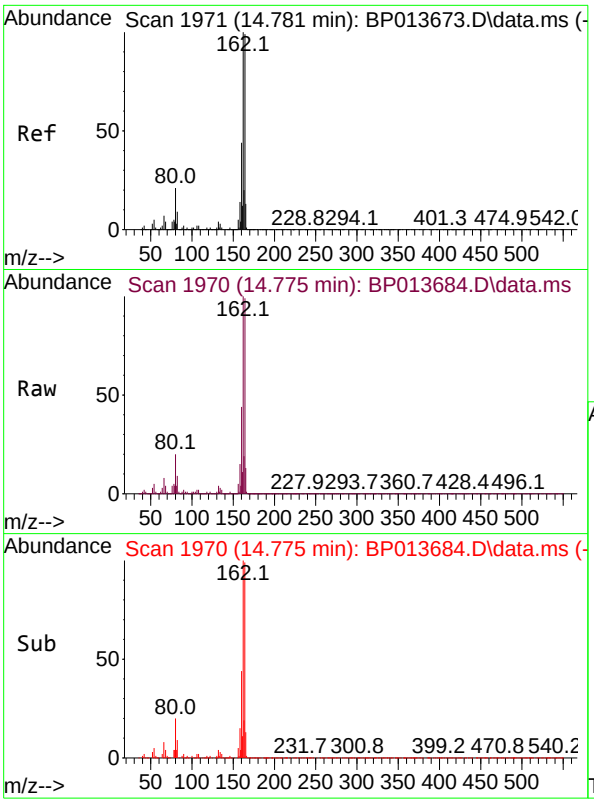


#38
1-Methylnaphthalene
Concen: 40.277 ng
RT: 12.834 min Scan# 1640
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:142 Resp: 1783880

Ion	Ratio	Lower	Upper
142	100		
141	91.6	72.2	108.4
116	3.7	3.0	4.4

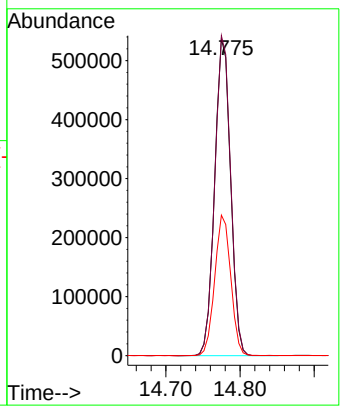




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.775 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:164 Resp: 80102

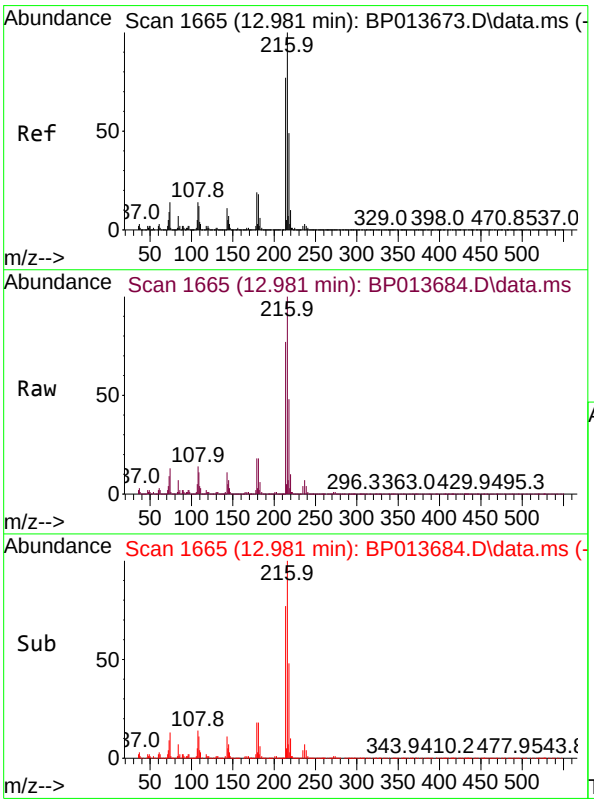
Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.8	121.2
160	44.3	35.6	53.4



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

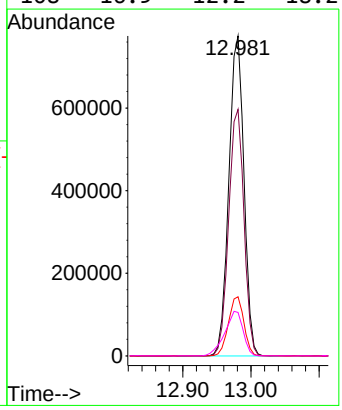
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

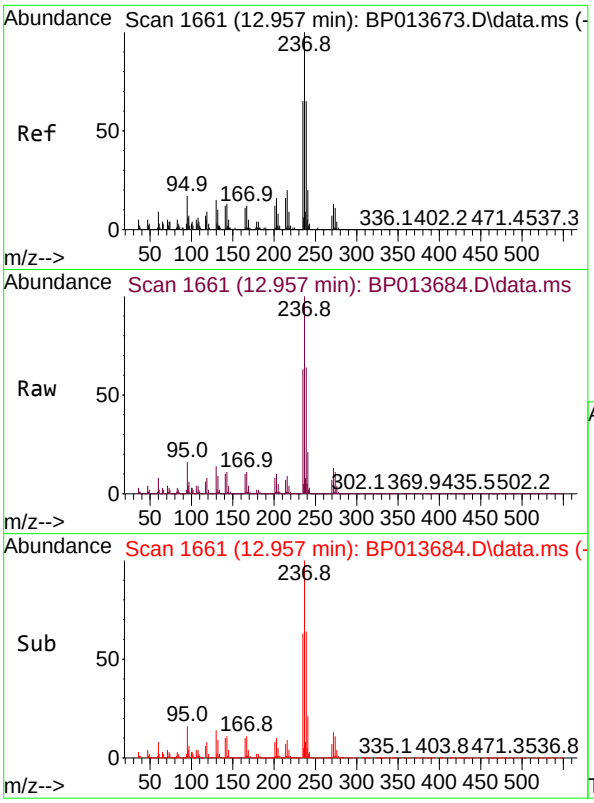


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.410 ng
RT: 12.981 min Scan# 1665
Delta R.T. -0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:216 Resp: 1187147

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.6	94.0
179	18.9	15.2	22.8
108	16.9	12.2	18.2





#41
Hexachlorocyclopentadiene
Concen: 107.923 ng
RT: 12.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

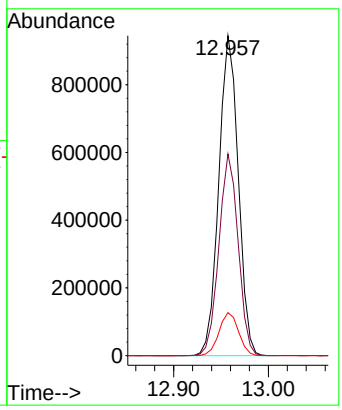
Instrument :
BNA_P
ClientSampleId :
PB150378BS

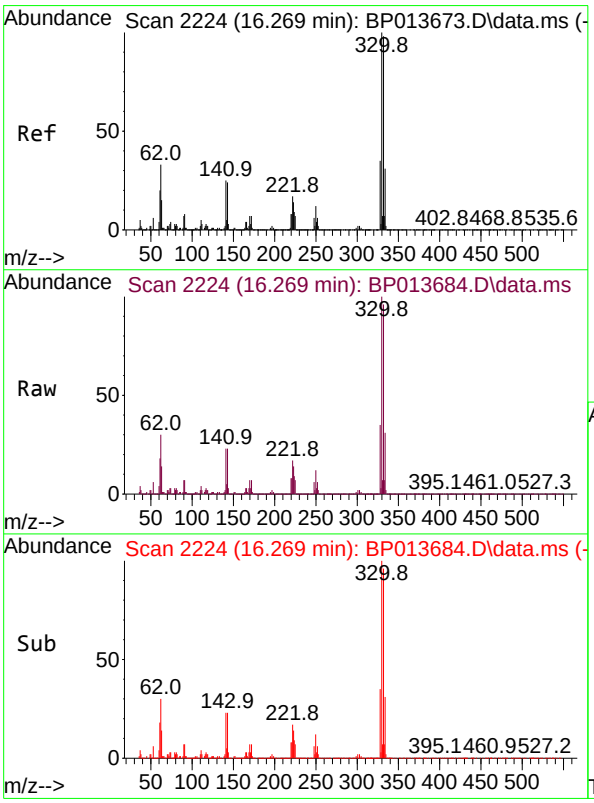
Tgt Ion:237 Resp: 134708

Ion	Ratio	Lower	Upper
237	100		
235	63.0	44.6	84.6
272	13.4	0.0	33.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

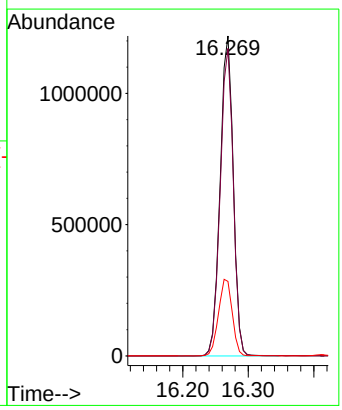


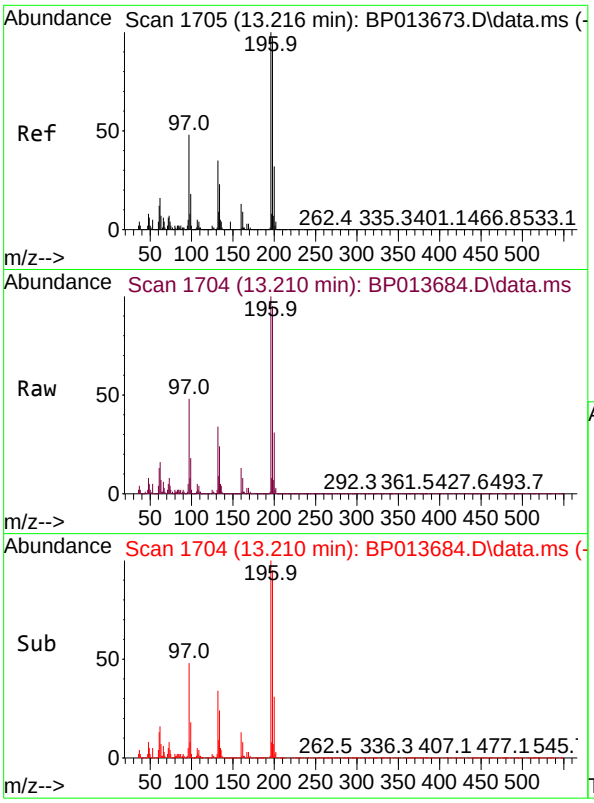


#42
2,4,6-Tribromophenol
Concen: 141.285 ng
RT: 16.269 min Scan# 2224
Delta R.T. -0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:330 Resp: 1697472

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.2
141	25.2	21.3	31.9

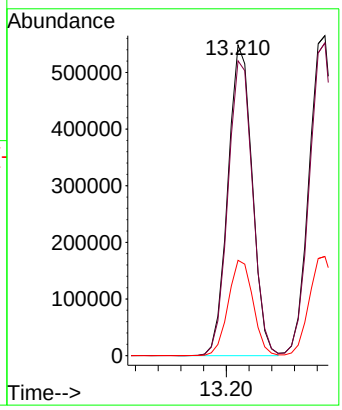




#43
2,4,6-Trichlorophenol
Concen: 45.326 ng
RT: 13.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:196 Resp: 81621

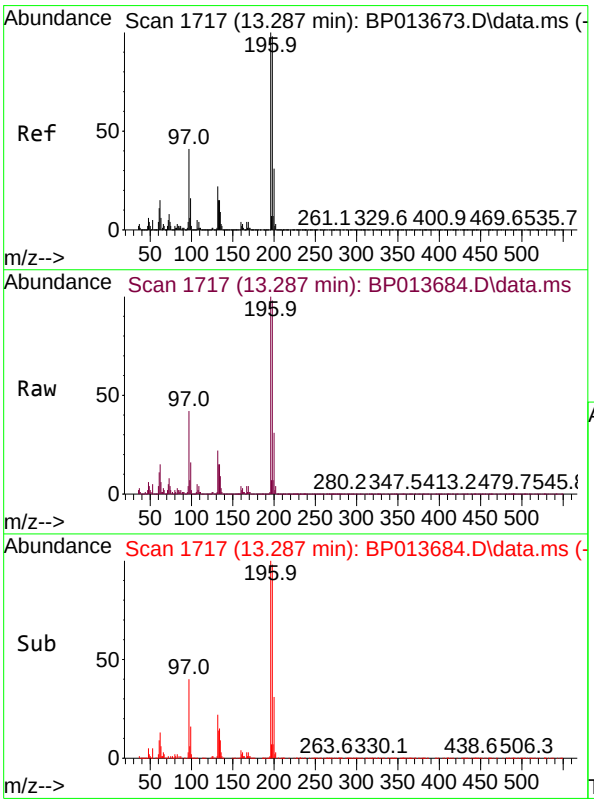
Ion	Ratio	Lower	Upper
196	100		
198	94.9	77.5	116.3
200	30.7	25.3	37.9



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

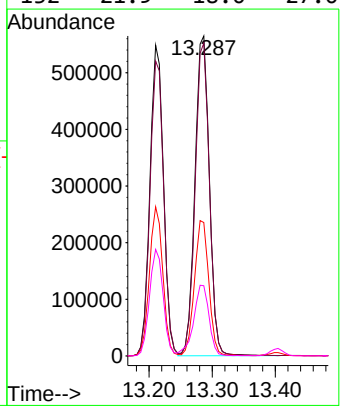
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

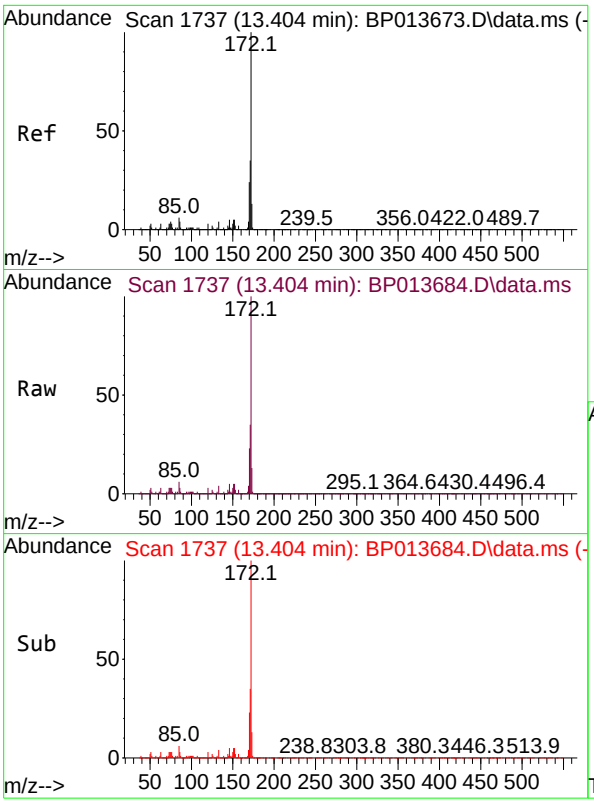


#44
2,4,5-Trichlorophenol
Concen: 42.502 ng
RT: 13.287 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:196 Resp: 896098

Ion	Ratio	Lower	Upper
196	100		
198	97.7	78.2	117.2
97	41.7	33.2	49.8
132	21.9	18.0	27.0

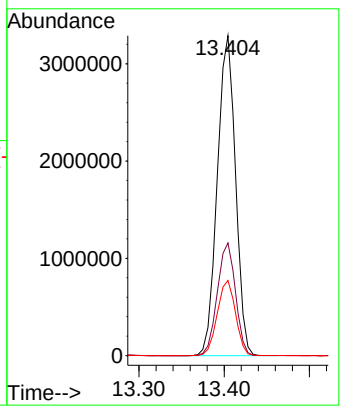




#45
2-Fluorobiphenyl
Concen: 85.186 ng
RT: 13.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:172 Resp: 487654

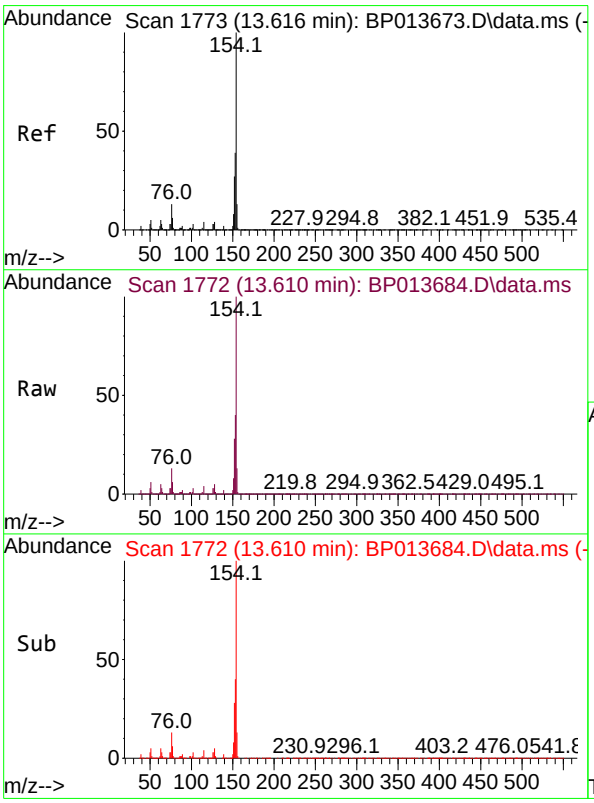
Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	23.5	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

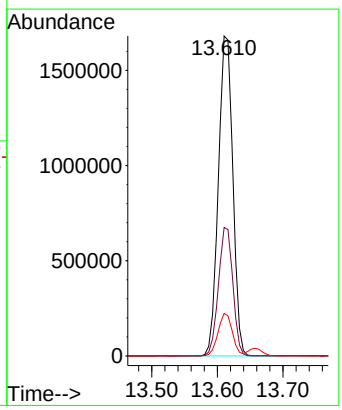
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

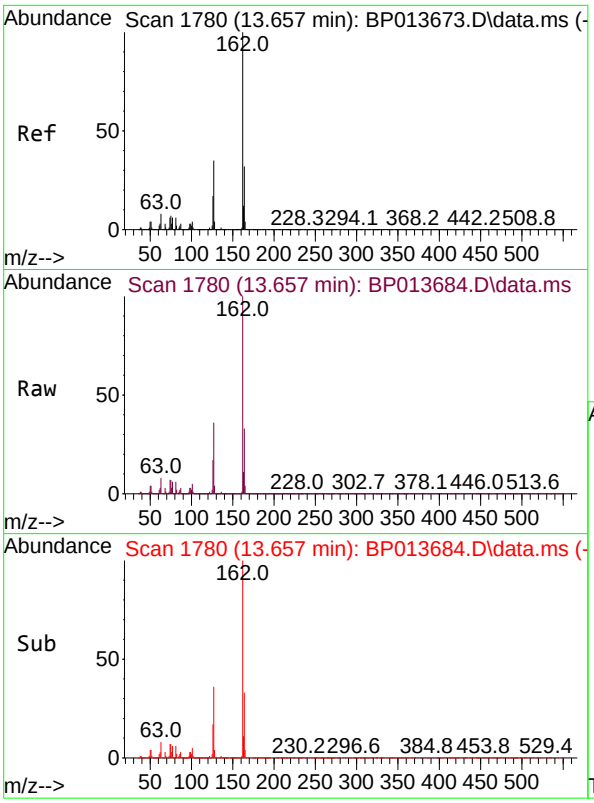


#46
1,1'-Biphenyl
Concen: 42.552 ng
RT: 13.610 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:154 Resp: 2579371

Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.3	59.3
76	13.3	0.0	33.1

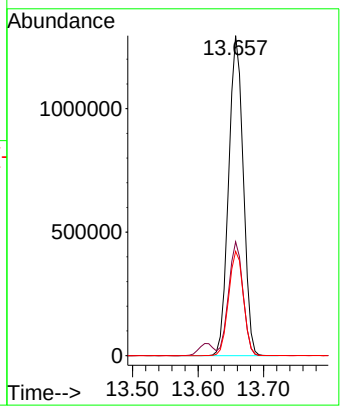




#47
2-Chloronaphthalene
Concen: 42.789 ng
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:162 Resp: 200486

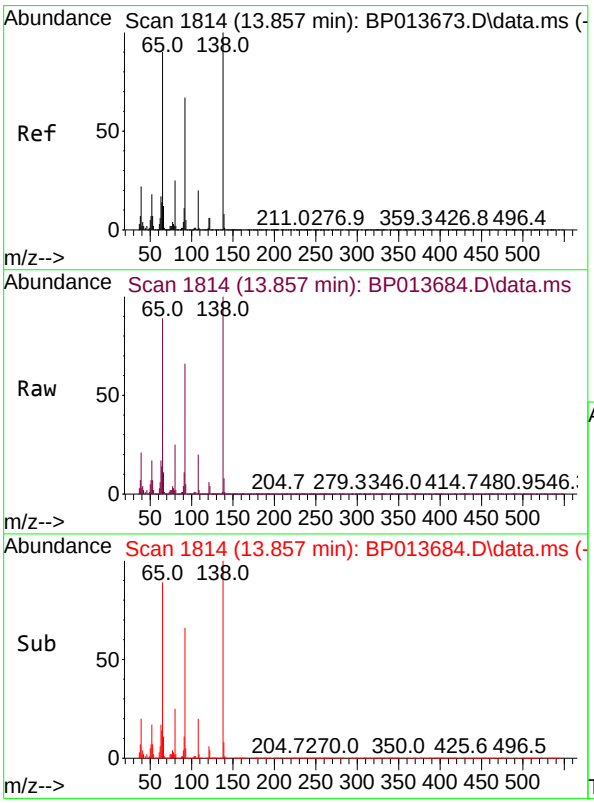
Ion	Ratio	Lower	Upper
162	100		
127	35.6	28.3	42.5
164	32.6	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

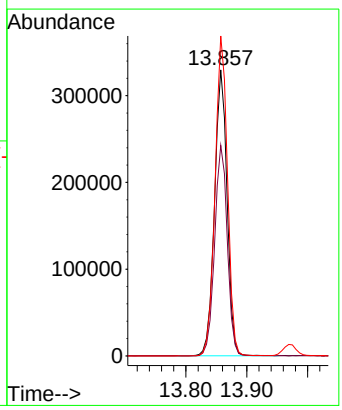
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

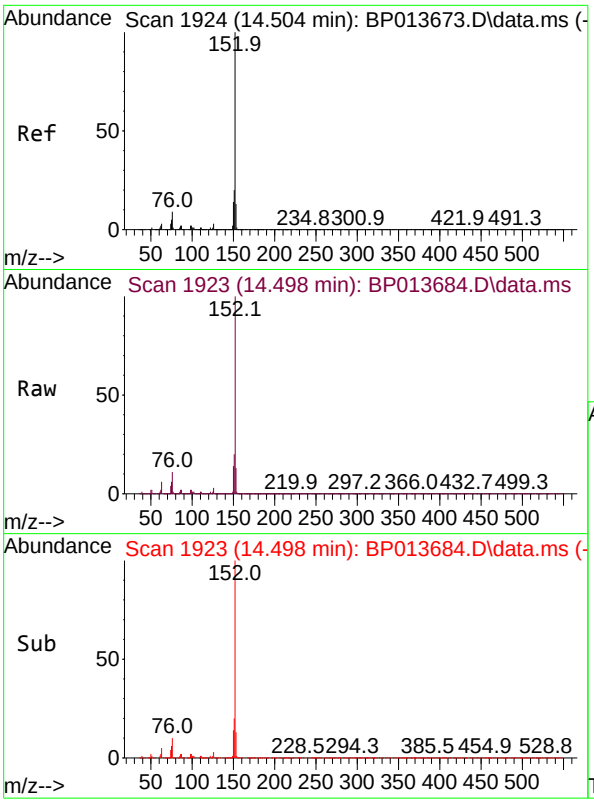


#48
2-Nitroaniline
Concen: 40.830 ng
RT: 13.857 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion: 65 Resp: 471762

Ion	Ratio	Lower	Upper
65	100		
92	73.6	59.4	89.0
138	111.9	88.6	133.0

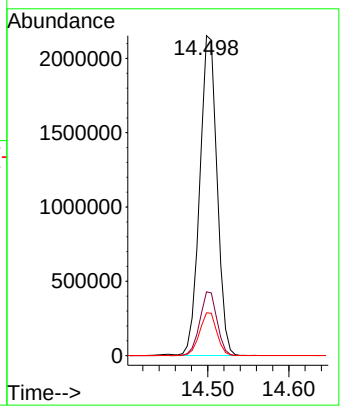




#49
Acenaphthylene
Concen: 42.163 ng
RT: 14.498 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:152 Resp: 318587

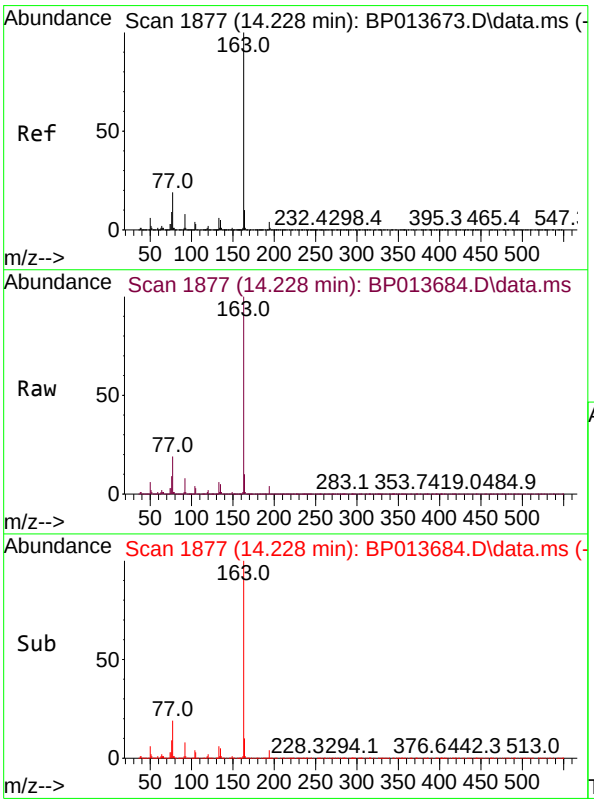
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.4	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

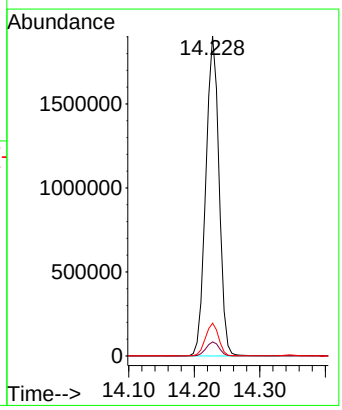
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

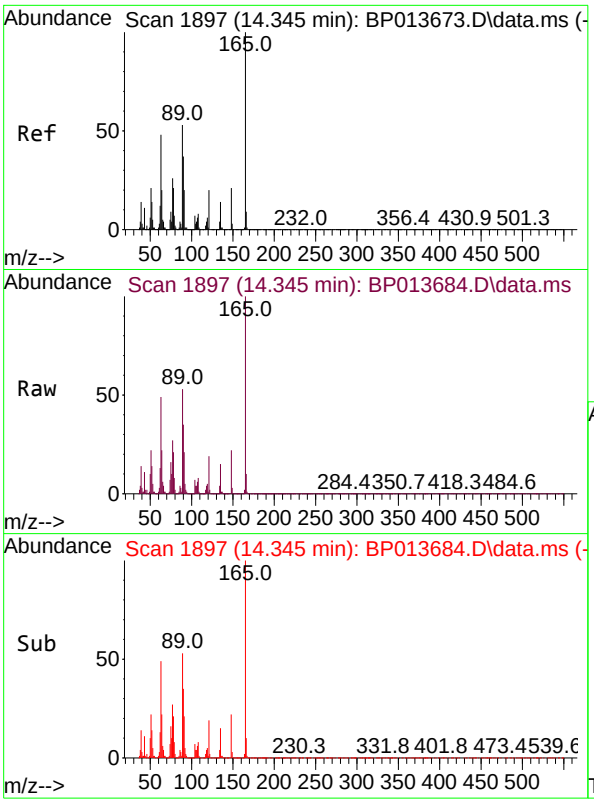


#50
Dimethylphthalate
Concen: 42.891 ng
RT: 14.228 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:163 Resp: 2657412

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.2	8.4	12.6

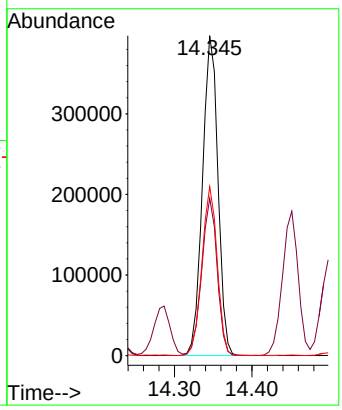




#51
2,6-Dinitrotoluene
Concen: 43.527 ng
RT: 14.345 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:165 Resp: 550559

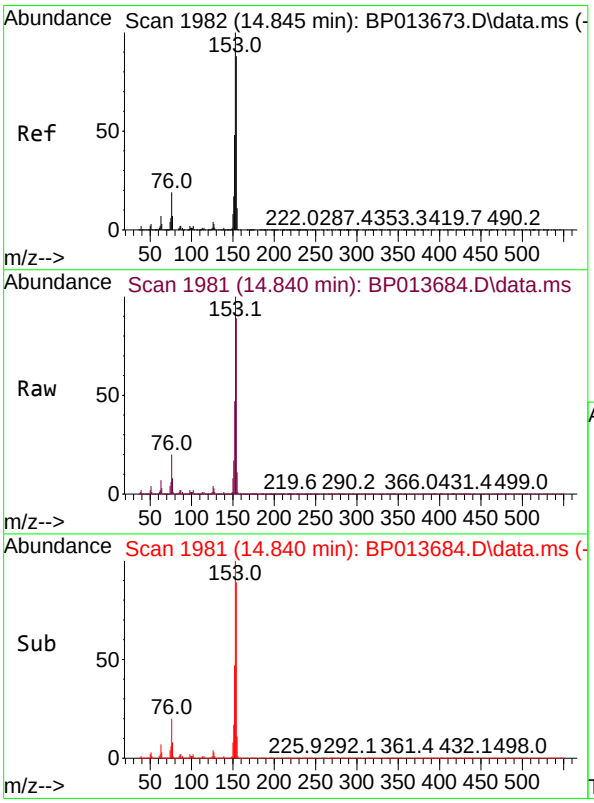
Ion	Ratio	Lower	Upper
165	100		
63	49.1	39.8	59.6
89	52.8	42.4	63.6



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

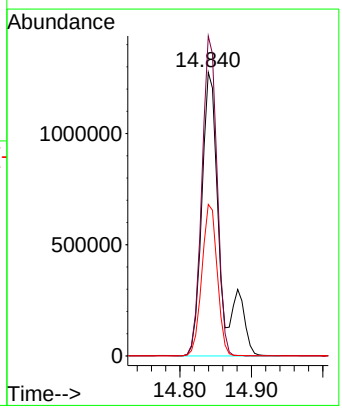
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

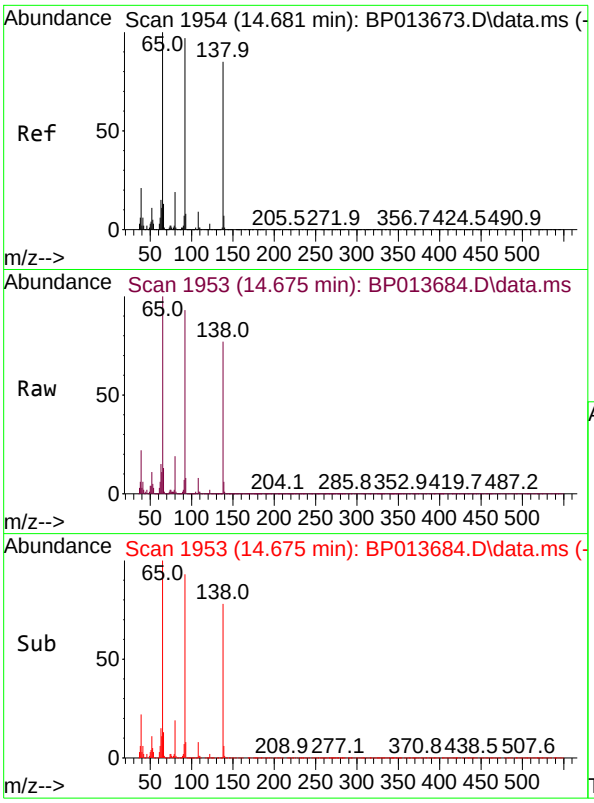


#52
Acenaphthene
Concen: 46.984 ng m
RT: 14.840 min Scan# 1981
Delta R.T. -0.005 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:154 Resp: 2285561

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.6	135.8
152	53.4	43.4	65.0





#53
3-Nitroaniline
Concen: 33.113 ng
RT: 14.675 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

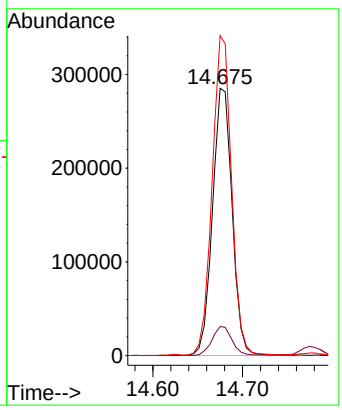
Tgt Ion:138 Resp: 43534

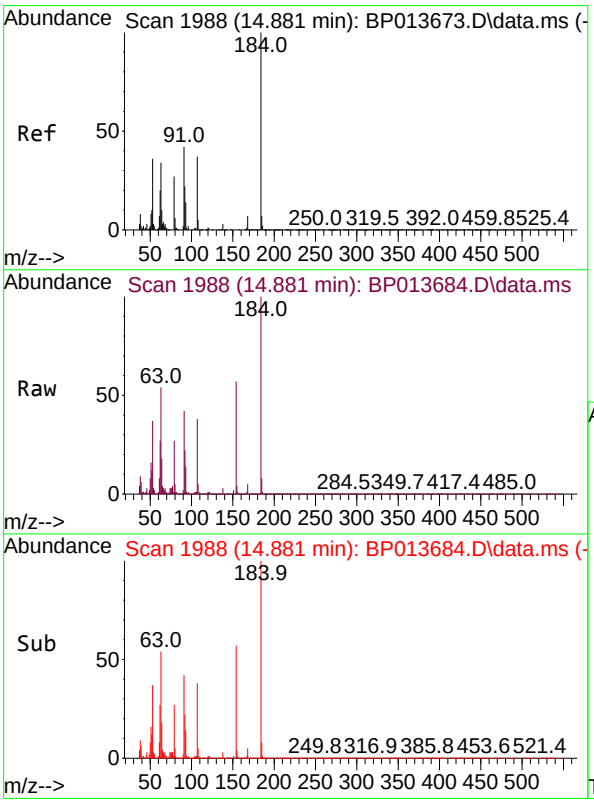
Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.5	12.7
92	119.7	91.5	137.3

Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

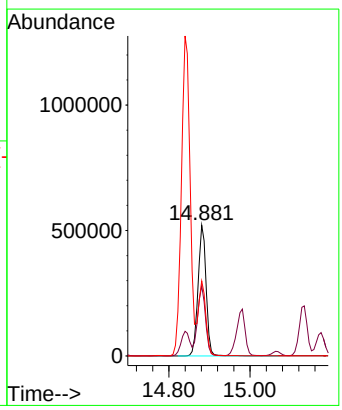


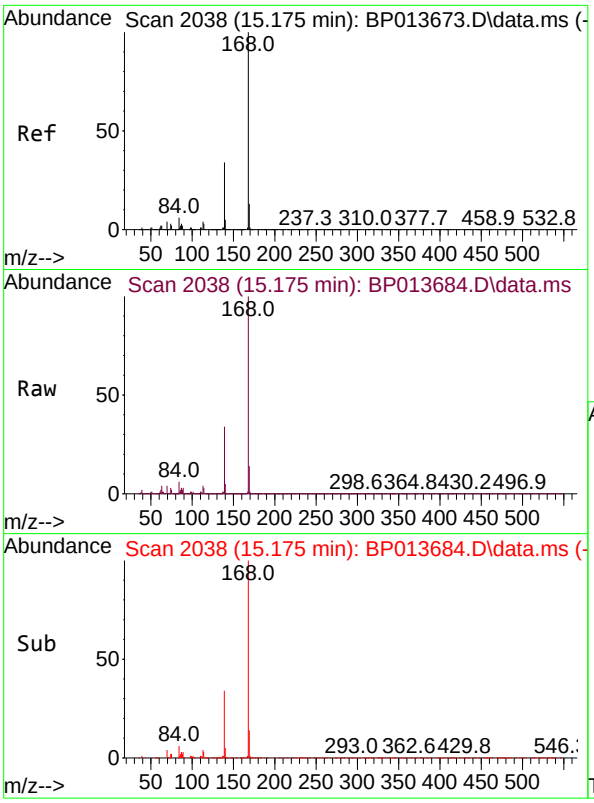


#54
2,4-Dinitrophenol
Concen: 85.614 ng
RT: 14.881 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:184 Resp: 715278

Ion	Ratio	Lower	Upper
184	100		
63	53.6	41.4	62.0
154	57.4	44.3	66.5

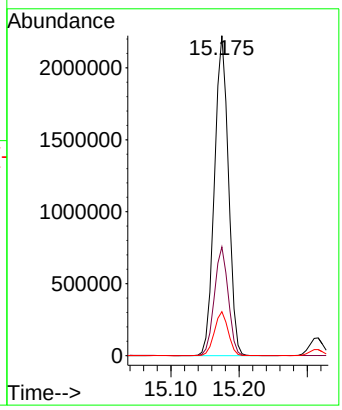




#55
Dibenzofuran
Concen: 41.406 ng
RT: 15.175 min Scan# 20
Delta R.T. -0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:168 Resp: 315228

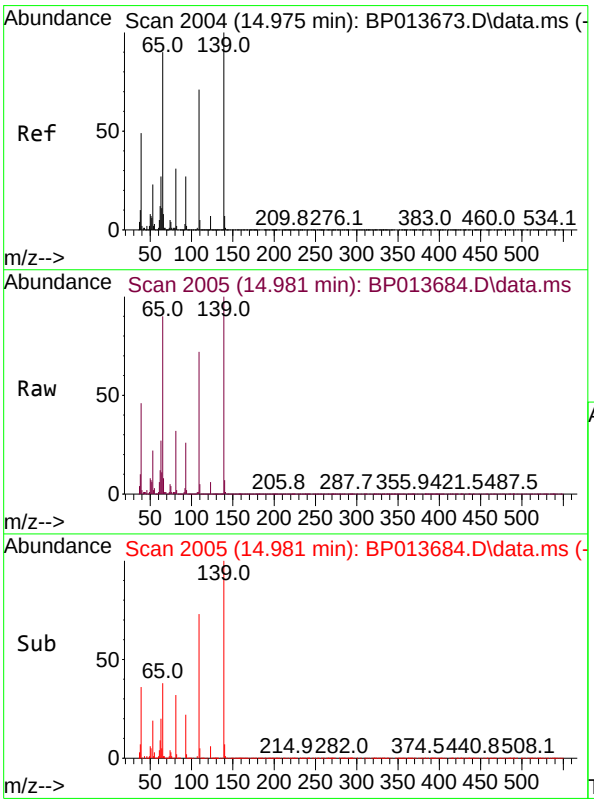
Ion	Ratio	Lower	Upper
168	100		
139	34.0	27.4	41.2
169	13.7	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

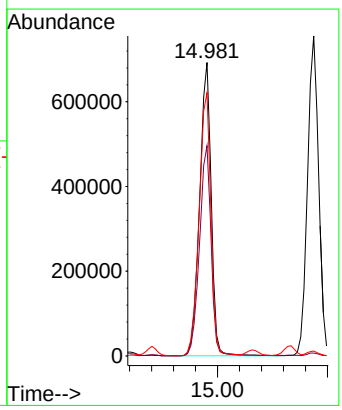
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

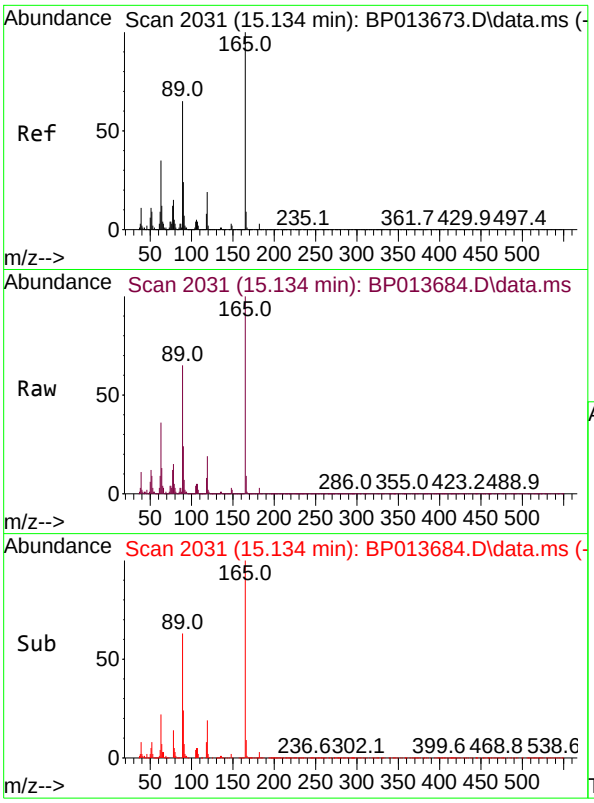


#56
4-Nitrophenol
Concen: 94.052 ng
RT: 14.981 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:139 Resp: 1010325

Ion	Ratio	Lower	Upper
139	100		
109	71.7	50.9	90.9
65	89.7	70.0	110.0

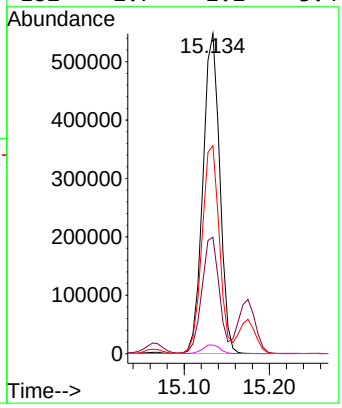




#57
2,4-Dinitrotoluene
Concen: 44.321 ng
RT: 15.134 min Scan# 20
Delta R.T. -0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:165 Resp: 75125

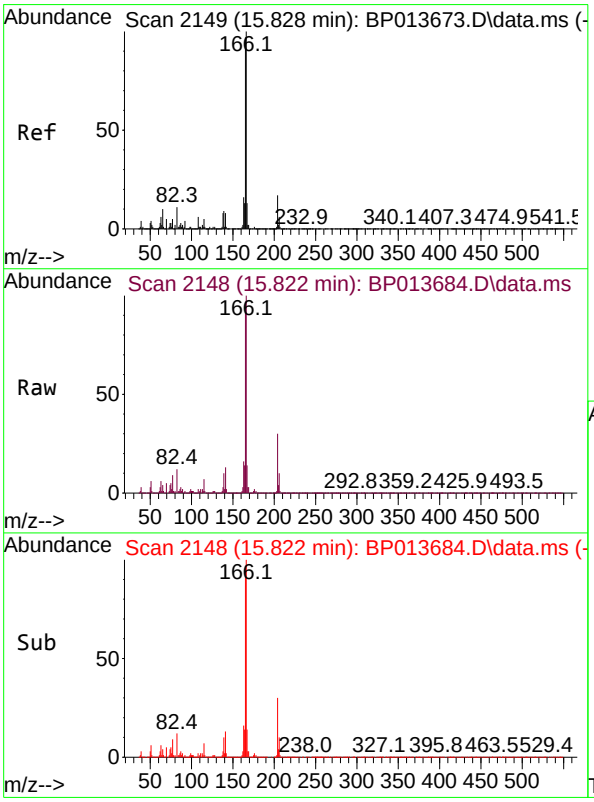
Ion	Ratio	Lower	Upper
165	100		
63	36.4	28.1	42.1
89	65.0	52.0	78.0
182	2.7	2.2	3.4



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

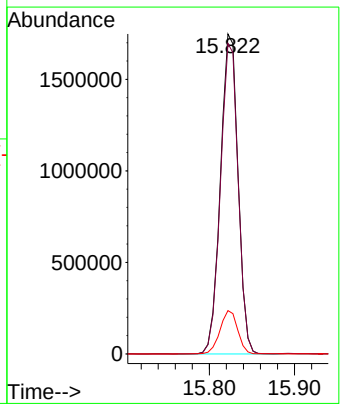
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

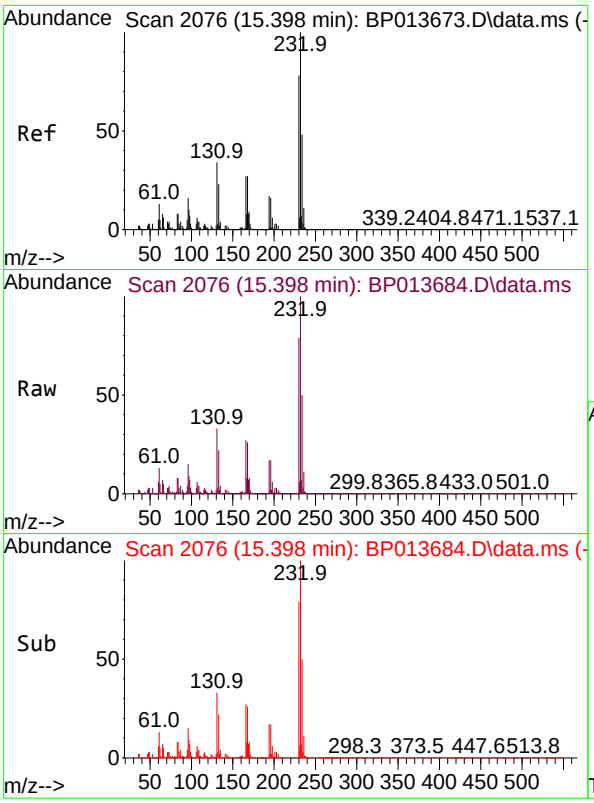


#58
Fluorene
Concen: 41.965 ng
RT: 15.822 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:166 Resp: 2508341

Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.6	116.4
167	13.5	10.6	15.8

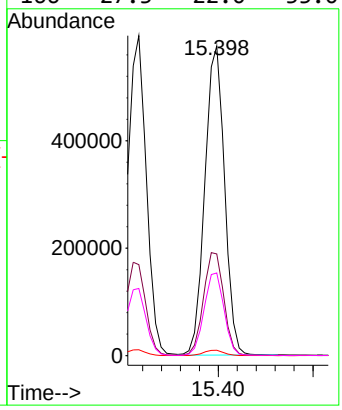




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.384 ng
RT: 15.398 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:232 Resp: 83205

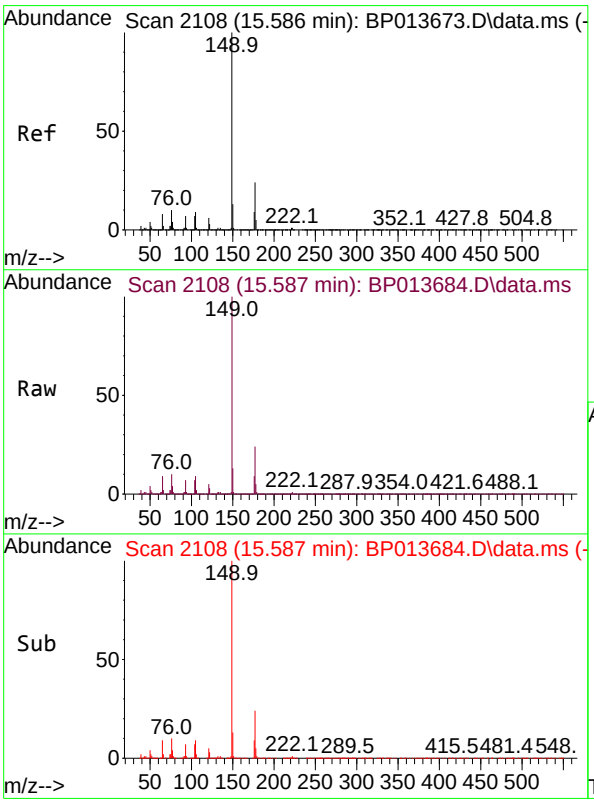
Ion	Ratio	Lower	Upper
232	100		
131	34.4	27.9	41.9
130	1.8	1.4	2.0
166	27.3	22.0	33.0



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

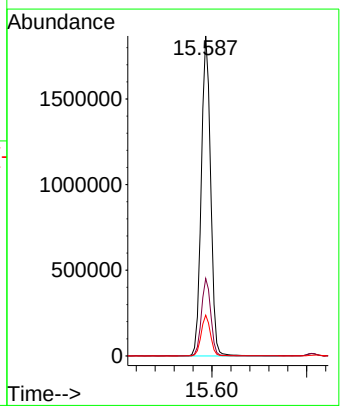
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

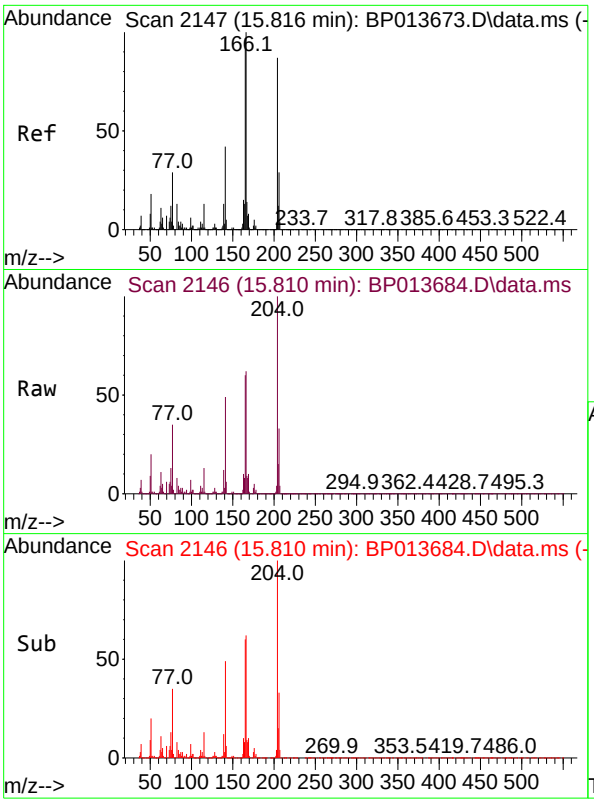


#60
Diethylphthalate
Concen: 42.968 ng
RT: 15.587 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:149 Resp: 2552116

Ion	Ratio	Lower	Upper
149	100		
177	24.2	19.2	28.8
150	12.7	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 42.310 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

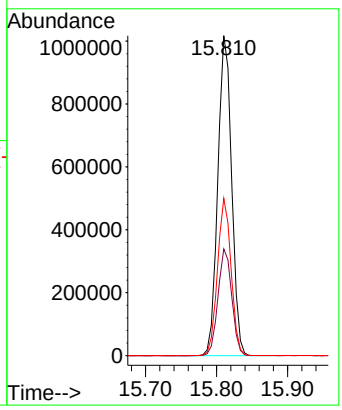
Instrument :
BNA_P
ClientSampleId :
PB150378BS

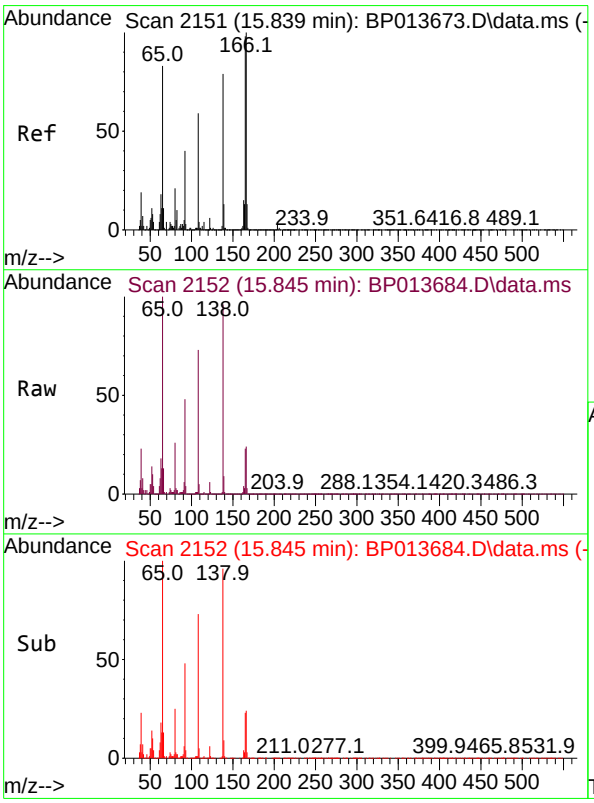
Tgt Ion:204 Resp: 137716

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.6	40.0
141	49.1	38.1	57.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

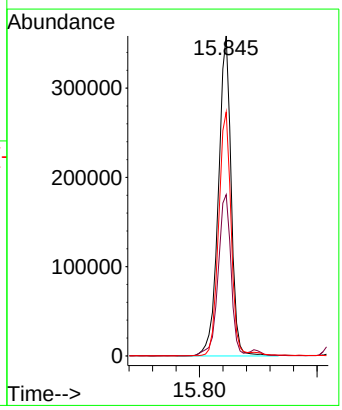


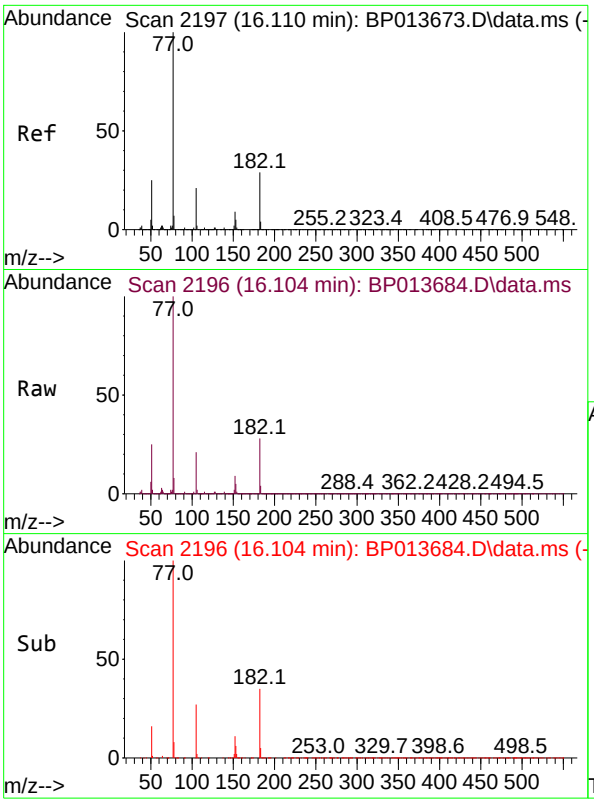


#62
4-Nitroaniline
Concen: 40.362 ng
RT: 15.845 min Scan# 2152
Delta R.T. 0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:138 Resp: 540433

Ion	Ratio	Lower	Upper
138	100		
92	50.4	30.3	70.3
108	76.2	55.4	95.4

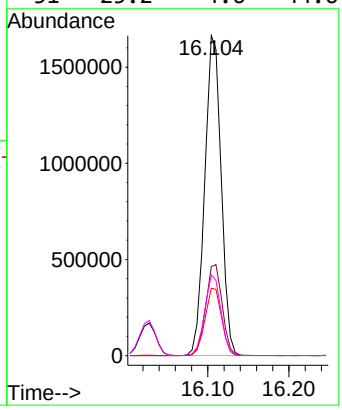




#63
Azobenzene
Concen: 42.530 ng
RT: 16.104 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion: 77 Resp: 233349

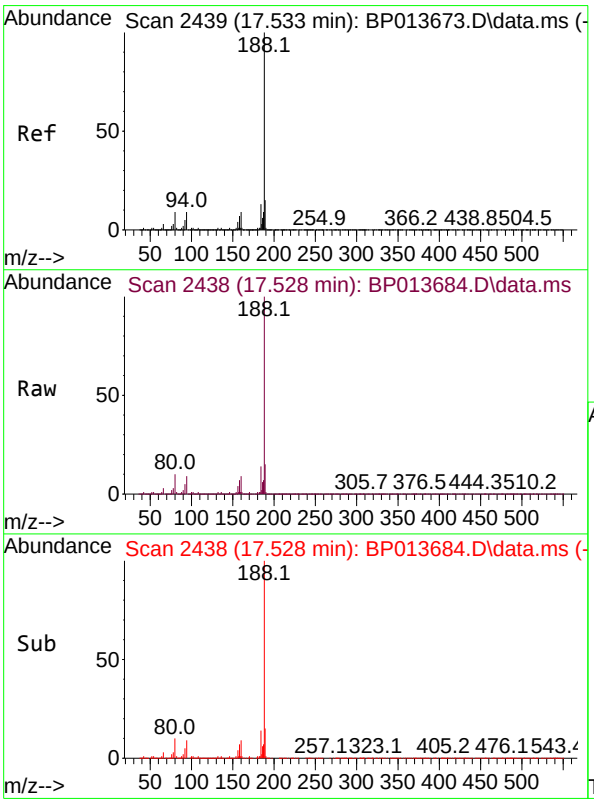
Ion	Ratio	Lower	Upper
77	100		
182	27.8	9.3	49.3
105	21.0	1.1	41.1
51	25.2	4.6	44.6



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

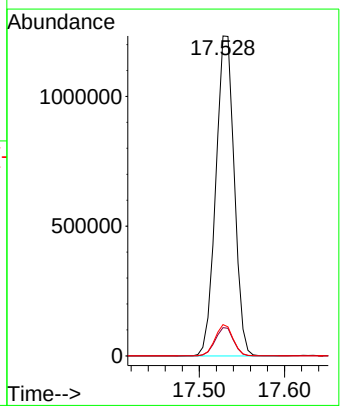
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

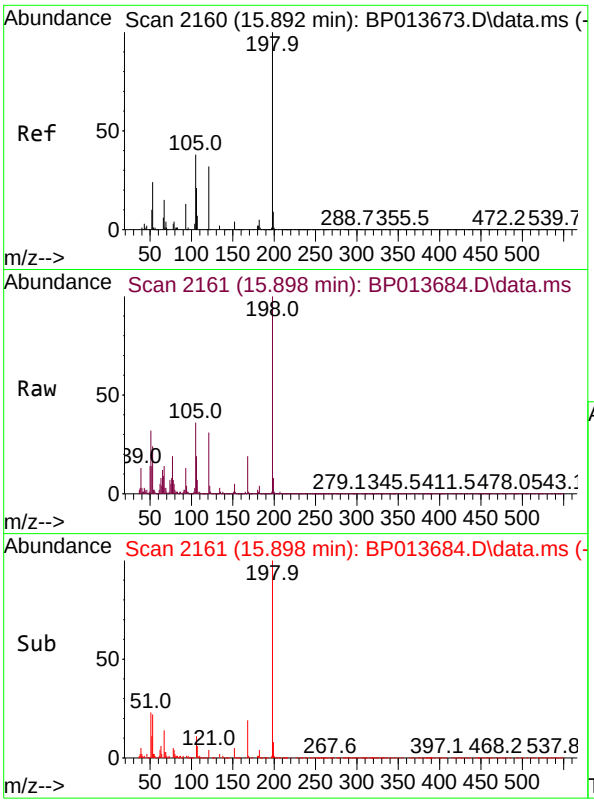


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.528 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:188 Resp: 1851077

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	9.8	7.4	11.0





#65
4,6-Dinitro-2-methylphenol
Concen: 42.477 ng
RT: 15.898 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

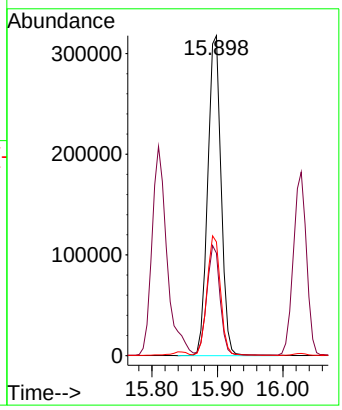
Instrument :
BNA_P
ClientSampleId :
PB150378BS

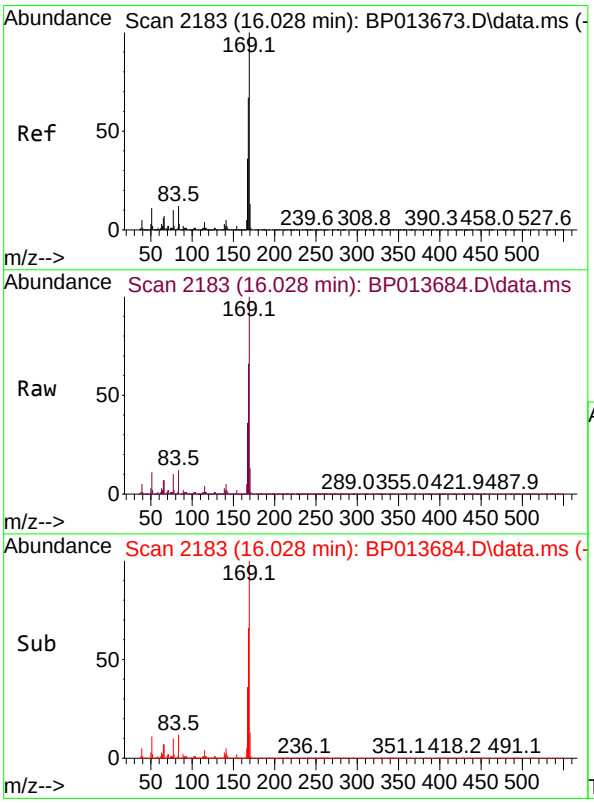
Tgt Ion:198 Resp: 44792

Ion	Ratio	Lower	Upper
198	100		
51	32.0	15.4	55.4
105	35.5	18.3	58.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

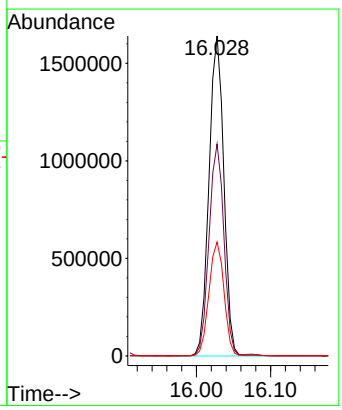


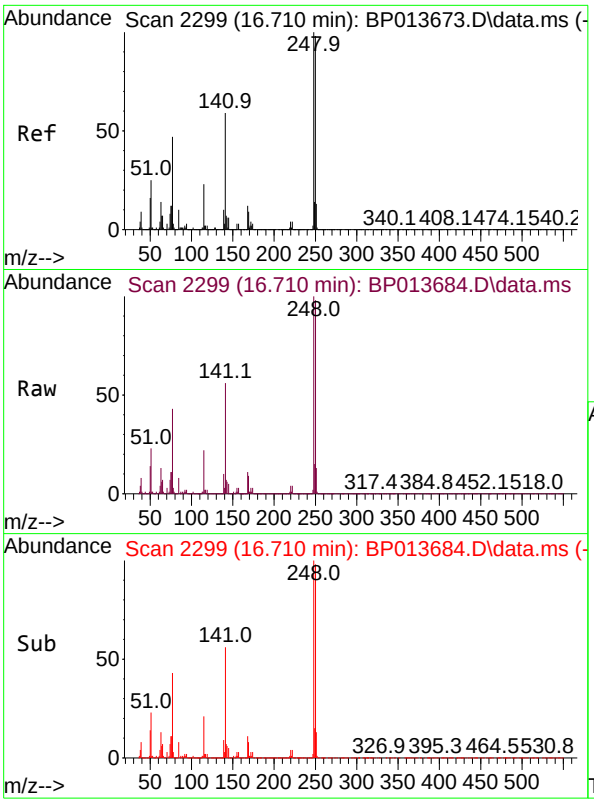


#66
n-Nitrosodiphenylamine
Concen: 42.240 ng
RT: 16.028 min Scan# 2183
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:169 Resp: 2275021

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.8	80.6
167	35.6	28.9	43.3

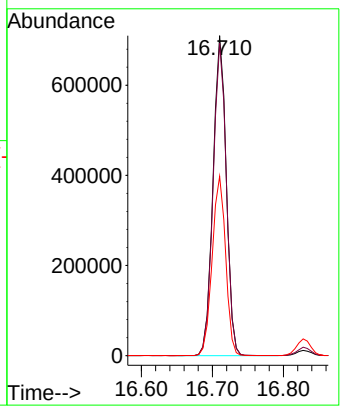




#67
4-Bromophenyl-phenylether
Concen: 43.329 ng
RT: 16.710 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:248 Resp: 91941

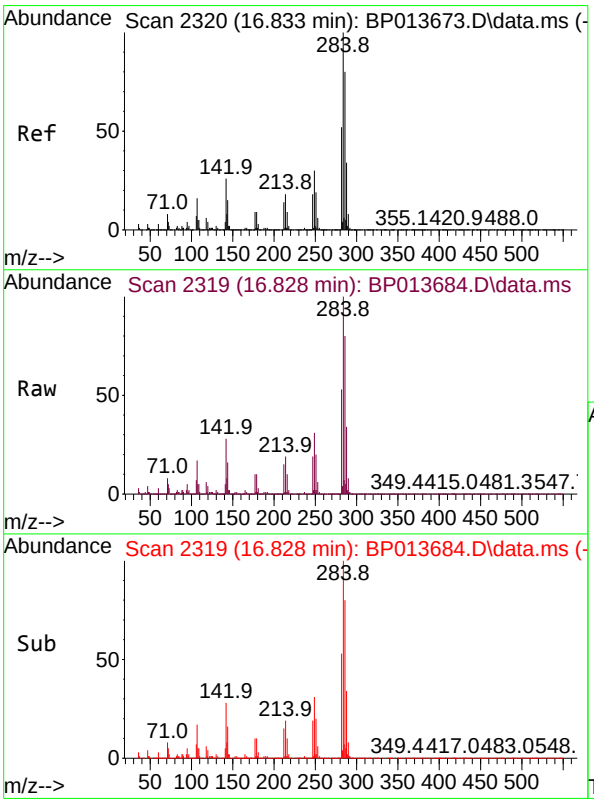
Ion	Ratio	Lower	Upper
248	100		
250	97.6	78.2	117.2
141	56.0	46.8	70.2



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

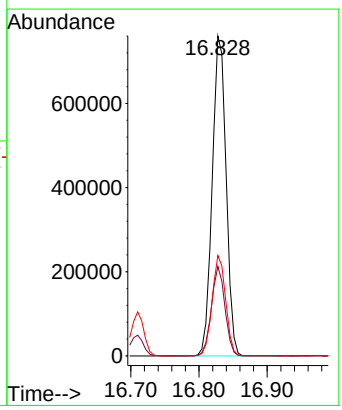
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

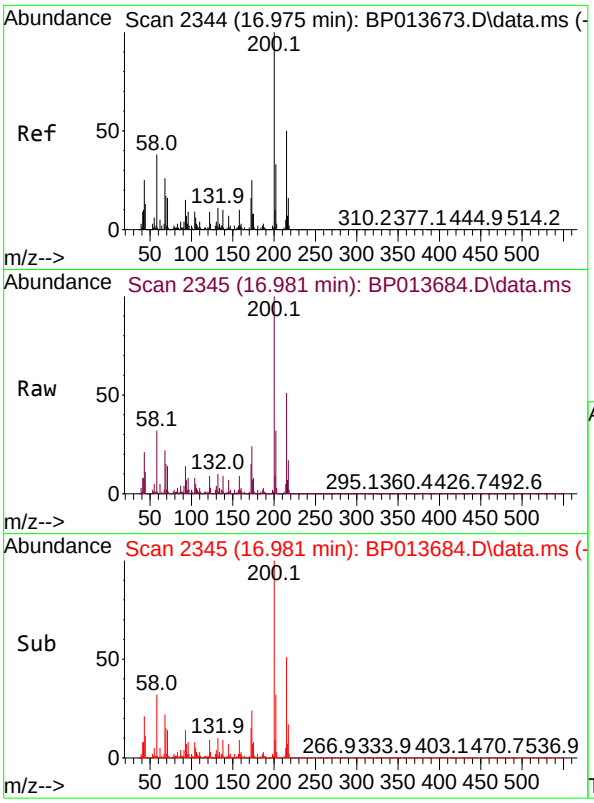


#68
Hexachlorobenzene
Concen: 45.597 ng
RT: 16.828 min Scan# 2319
Delta R.T. -0.005 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:284 Resp: 1071399

Ion	Ratio	Lower	Upper
284	100		
142	27.9	20.6	31.0
249	31.4	23.9	35.9

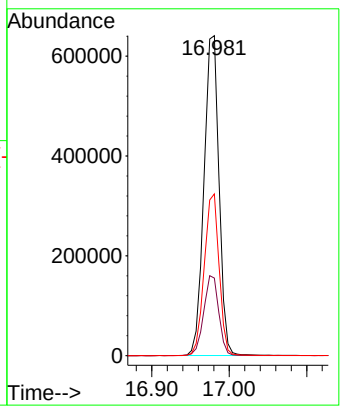




#69
Atrazine
Concen: 49.284 ng
RT: 16.981 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:200 Resp: 863738

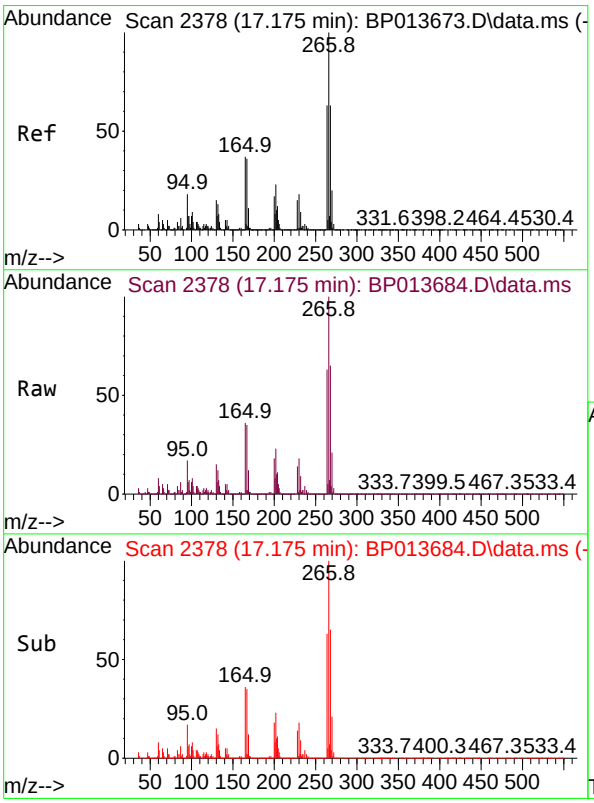
Ion	Ratio	Lower	Upper
200	100		
173	24.2	5.2	45.2
215	50.5	29.8	69.8



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

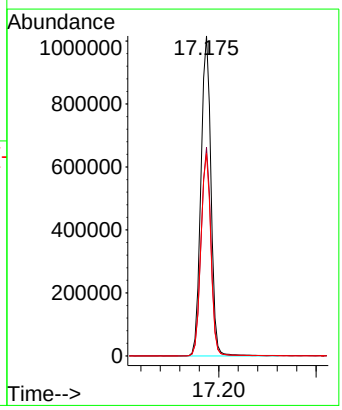
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

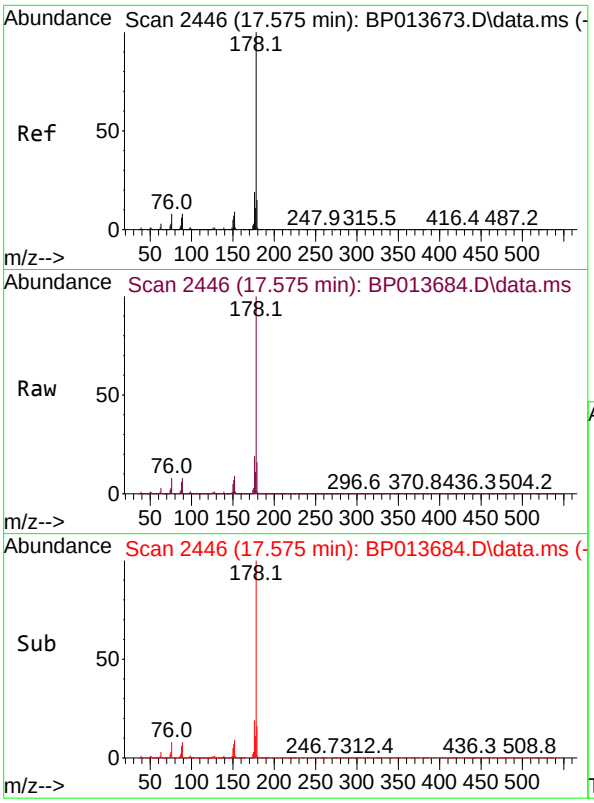


#70
Pentachlorophenol
Concen: 83.427 ng
RT: 17.175 min Scan# 2378
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:266 Resp: 1445994

Ion	Ratio	Lower	Upper
266	100		
268	65.1	50.7	76.1
264	63.3	50.5	75.7





#71
Phenanthrene
Concen: 42.719 ng
RT: 17.575 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

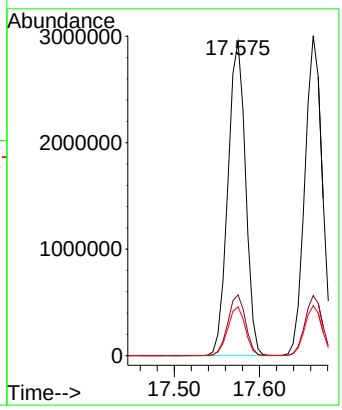
Tgt Ion:178 Resp: 423846

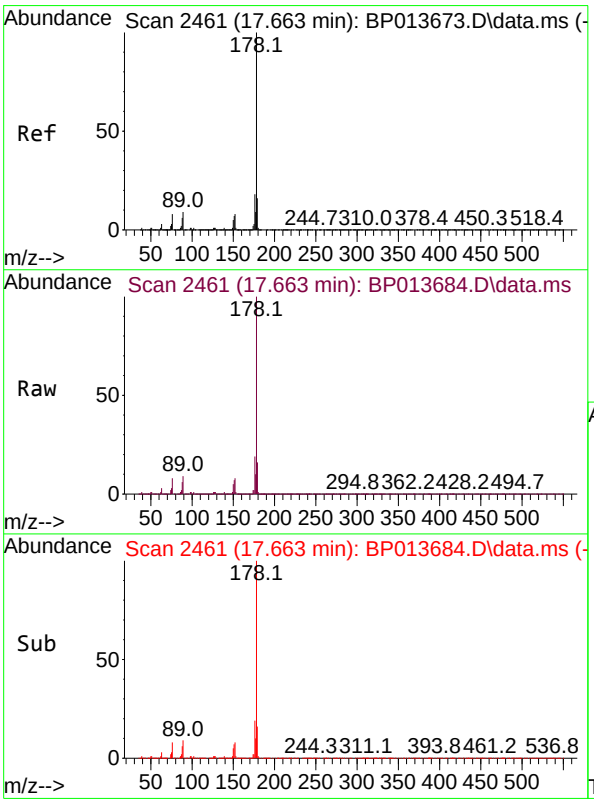
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.6	12.2	18.2

Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

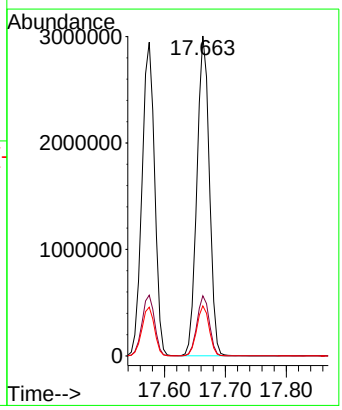


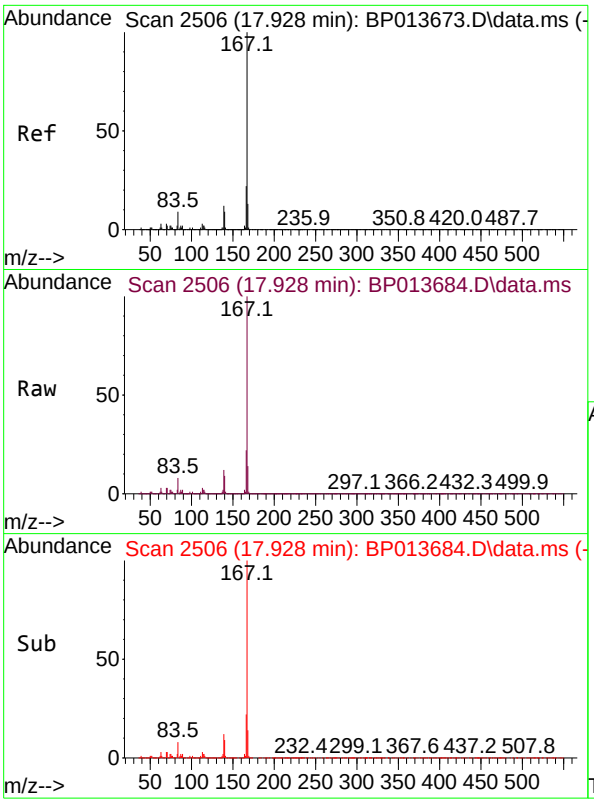


#72
Anthracene
Concen: 42.504 ng
RT: 17.663 min Scan# 2461
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:178 Resp: 4257449

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.6	12.4	18.6

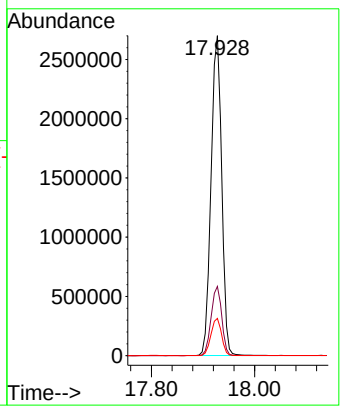




#73
Carbazole
Concen: 42.460 ng
RT: 17.928 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:167 Resp: 386192

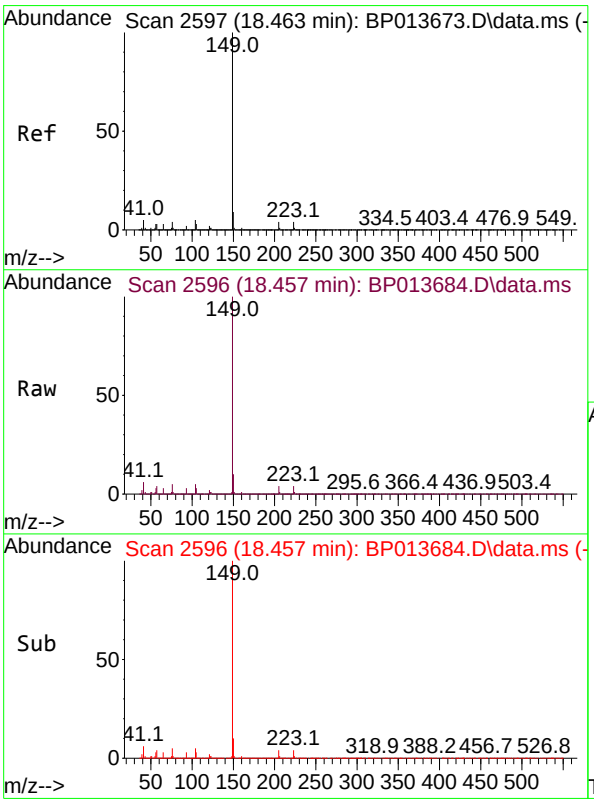
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.0
139	11.7	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

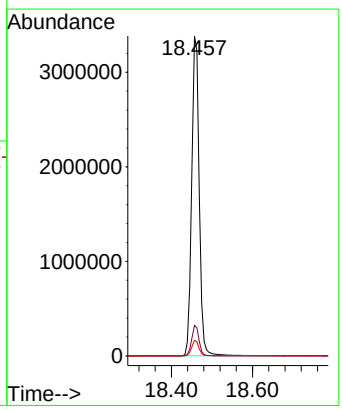
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

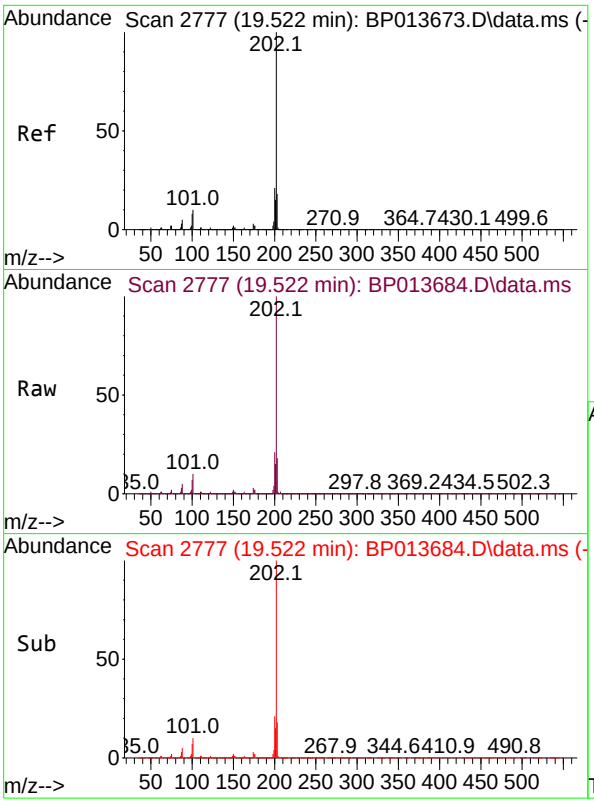


#74
Di-n-butylphthalate
Concen: 43.515 ng
RT: 18.457 min Scan# 2596
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:149 Resp: 4331139

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.0
104	4.9	3.8	5.6

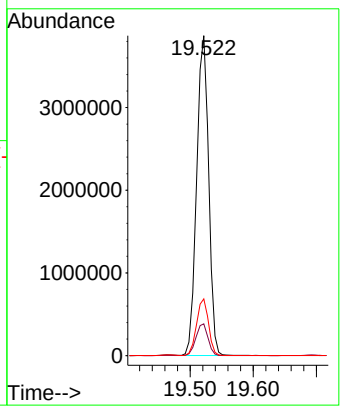




#75
Fluoranthene
Concen: 41.370 ng
RT: 19.522 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:202 Resp: 511005

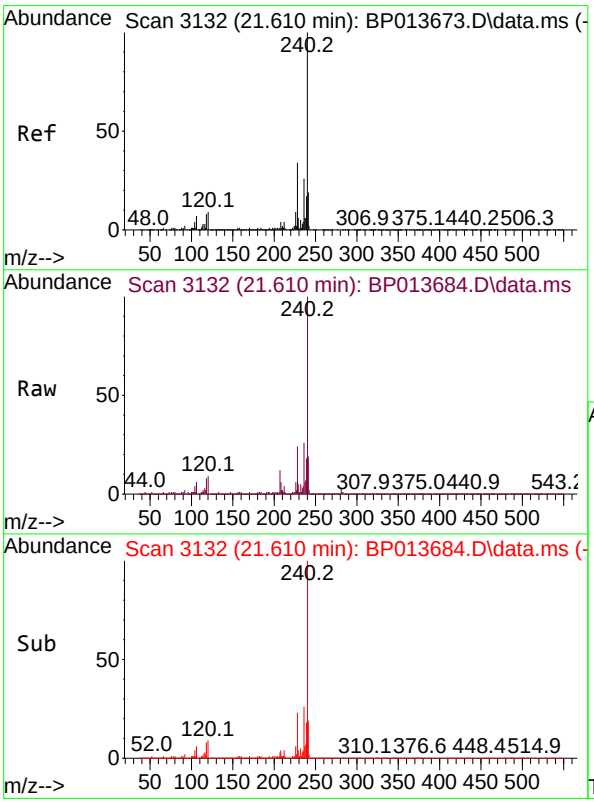
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.2
203	17.8	0.0	37.9



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

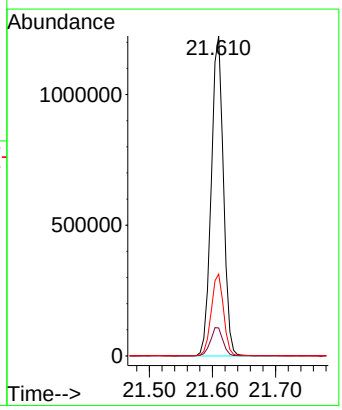
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

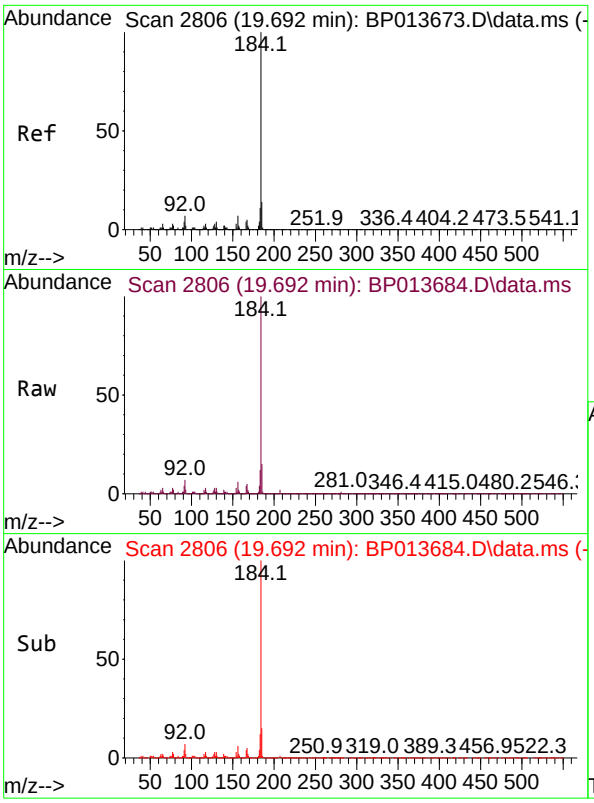


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3132
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:240 Resp: 1639741

Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.4	11.0
236	25.6	20.6	30.8

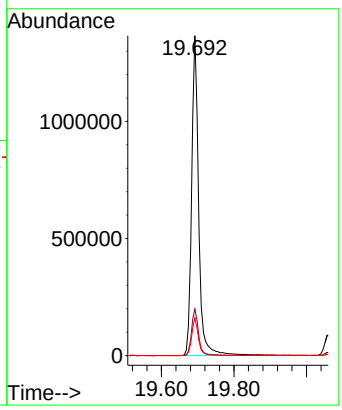




#77
Benzidine
Concen: 51.944 ng
RT: 19.692 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:184 Resp: 183974

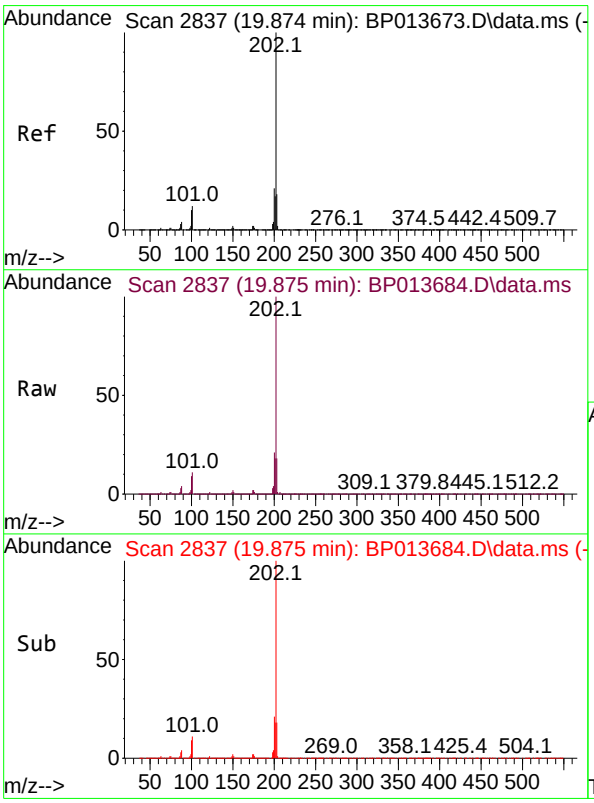
Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.2
183	11.8	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

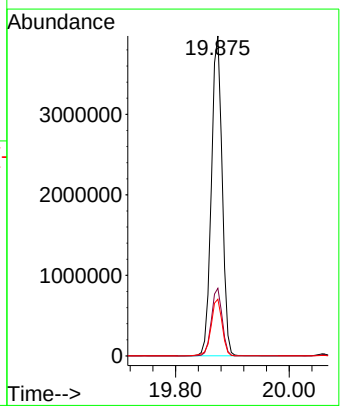
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

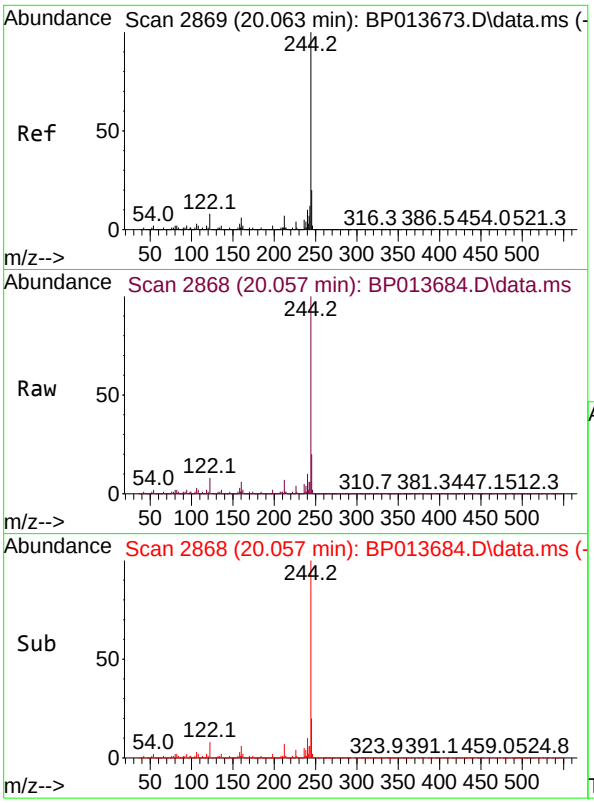


#78
Pyrene
Concen: 47.533 ng
RT: 19.875 min Scan# 2837
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:202 Resp: 5243756

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.7	14.0	21.0

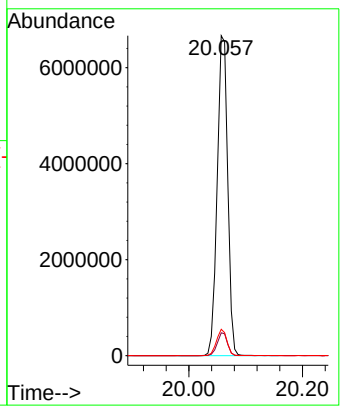




#79
Terphenyl-d14
Concen: 103.358 ng
RT: 20.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:244 Resp: 853483

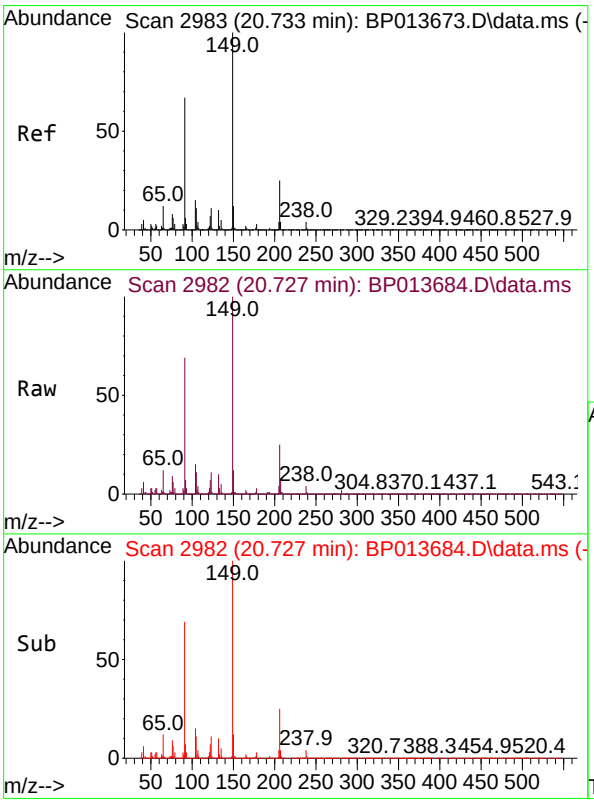
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	8.2	6.5	9.7



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

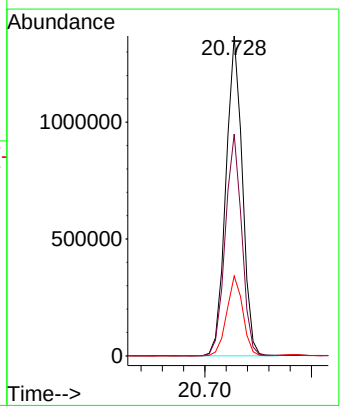
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

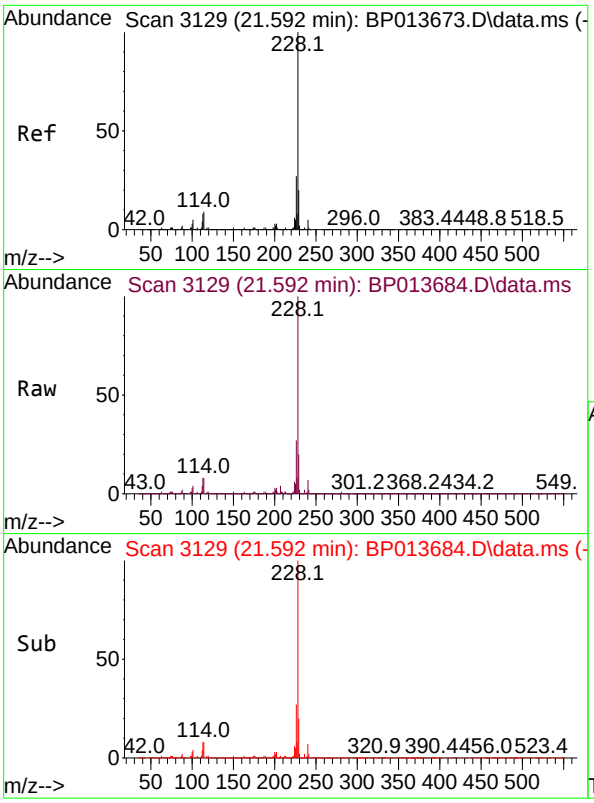


#80
Butylbenzylphthalate
Concen: 48.541 ng
RT: 20.727 min Scan# 2982
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:149 Resp: 1461881

Ion	Ratio	Lower	Upper
149	100		
91	69.3	54.0	81.0
206	25.0	19.8	29.8

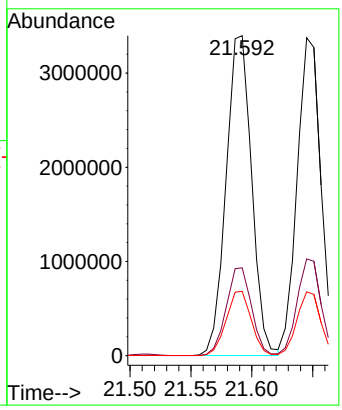




#81
Benzo(a)anthracene
Concen: 43.621 ng
RT: 21.592 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:228 Resp: 496819

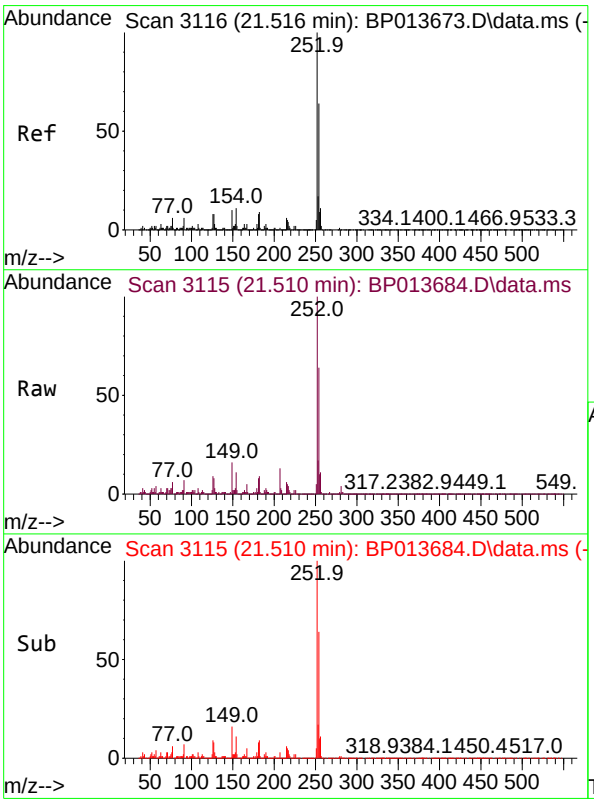
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	20.1	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

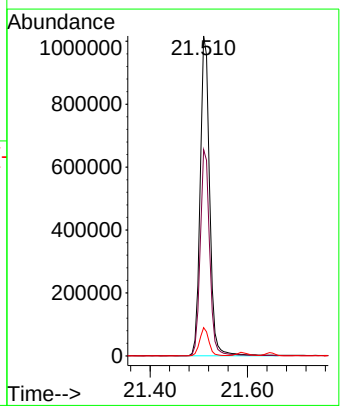
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

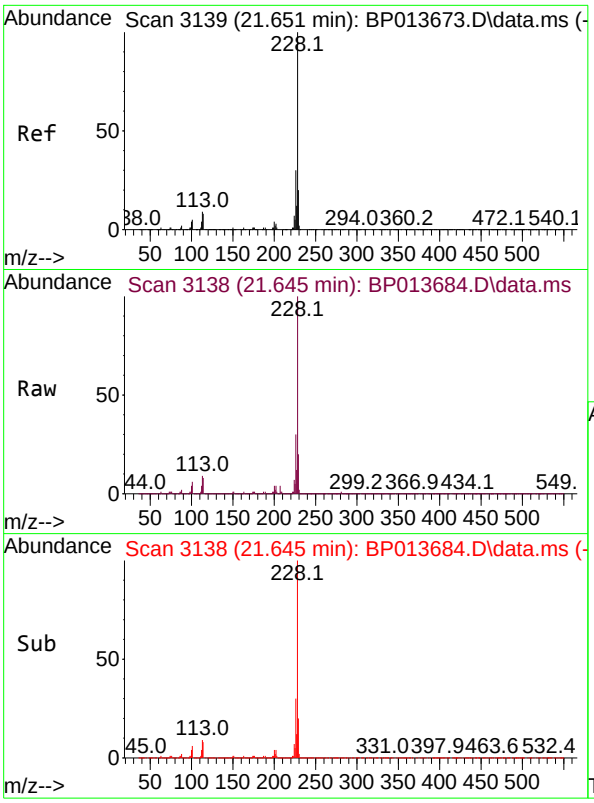


#82
3,3'-Dichlorobenzidine
Concen: 37.821 ng
RT: 21.510 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:252 Resp: 1361890

Ion	Ratio	Lower	Upper
252	100		
254	64.4	50.9	76.3
126	8.8	6.7	10.1

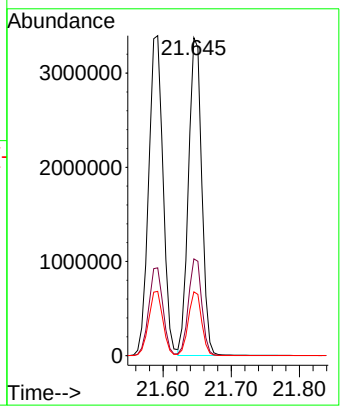




#83
Chrysene
Concen: 42.186 ng
RT: 21.645 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:228 Resp: 457775

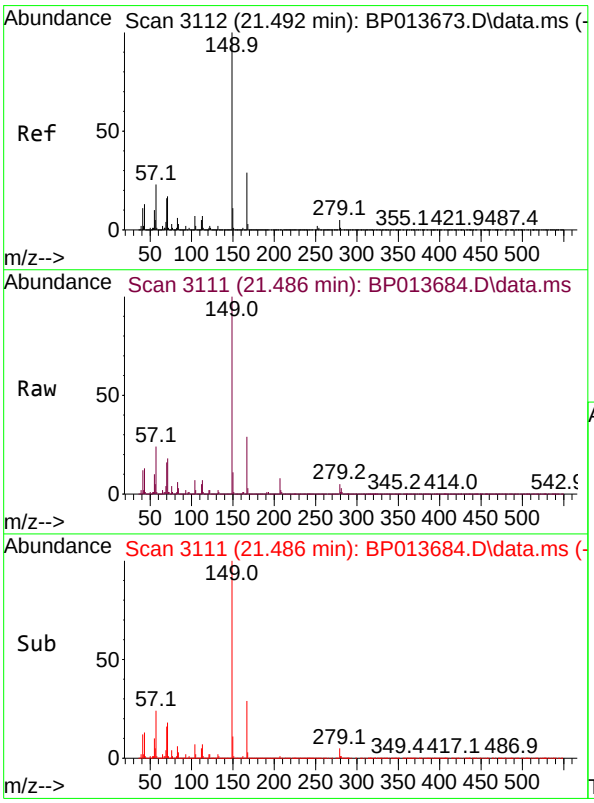
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.1	36.1
229	20.0	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

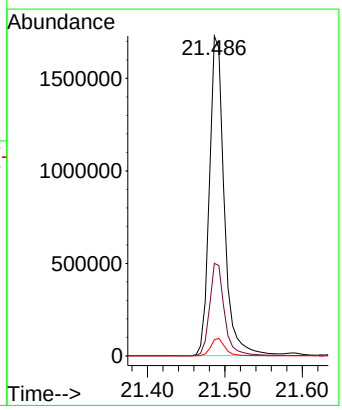
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

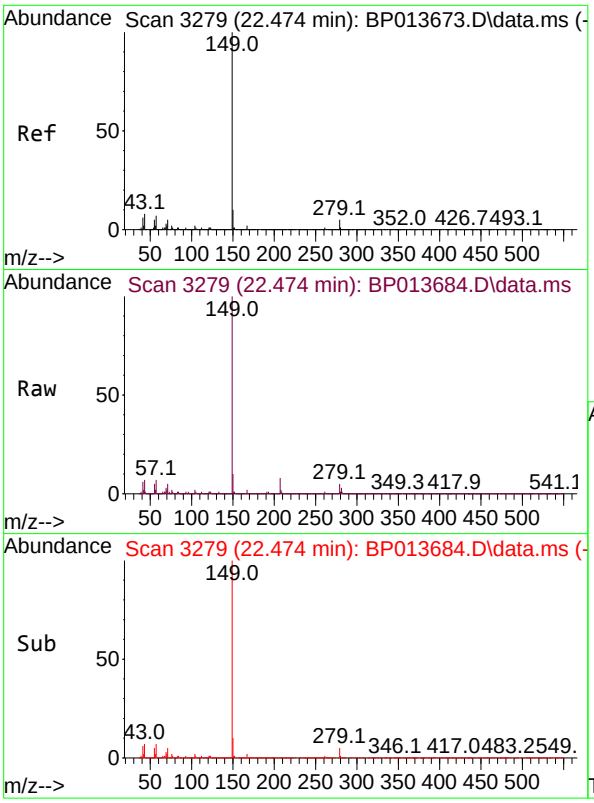


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.754 ng
RT: 21.486 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:149 Resp: 2294930

Ion	Ratio	Lower	Upper
149	100		
167	28.9	23.0	34.6
279	5.0	3.9	5.9

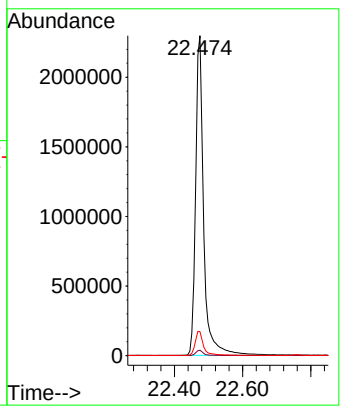




#85
Di-n-octyl phthalate
Concen: 40.239 ng
RT: 22.474 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:149 Resp: 376787

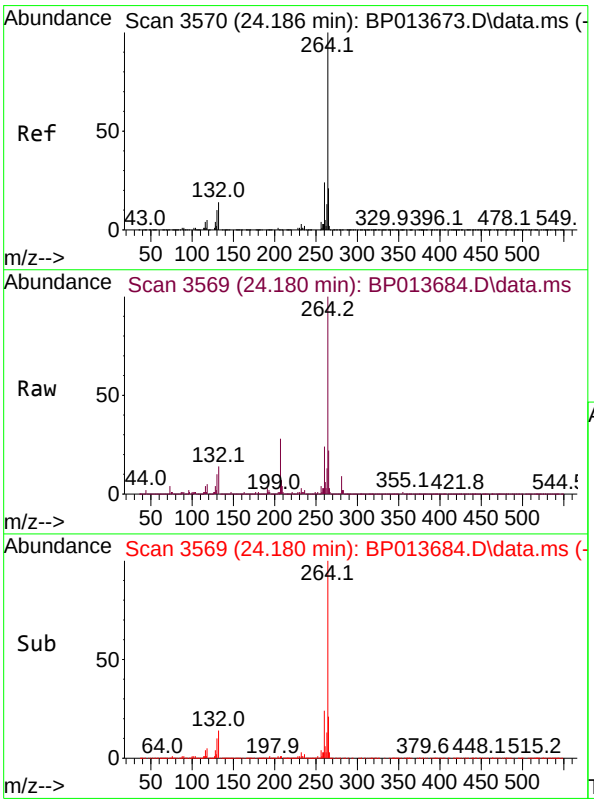
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

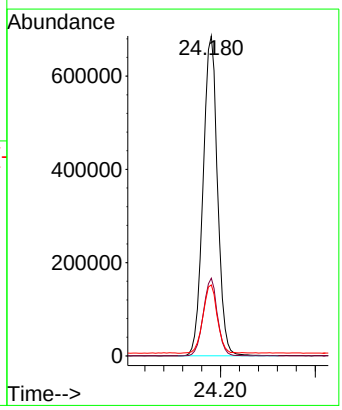
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

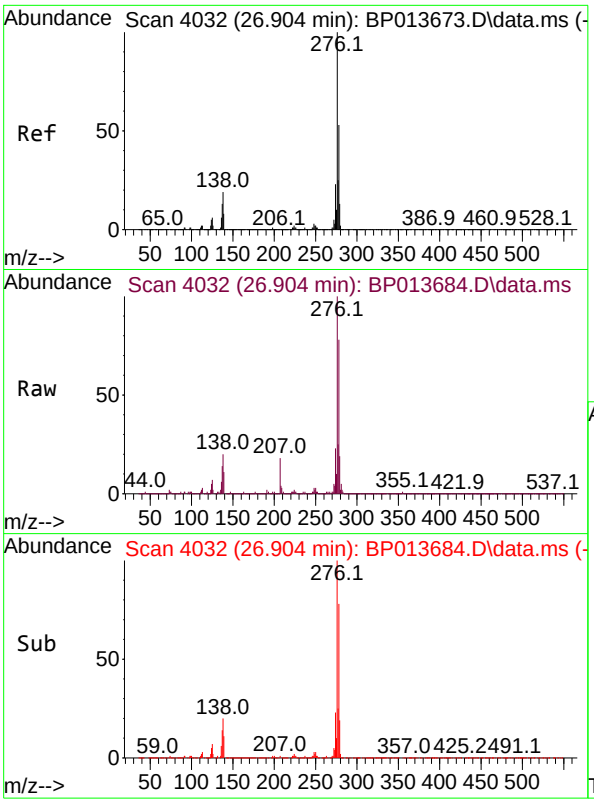


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.180 min Scan# 3569
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:264 Resp: 1453642

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.8	28.2
265	22.2	17.4	26.0

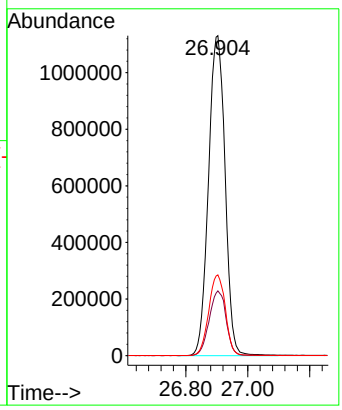




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.975 ng
RT: 26.904 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:276 Resp: 419818

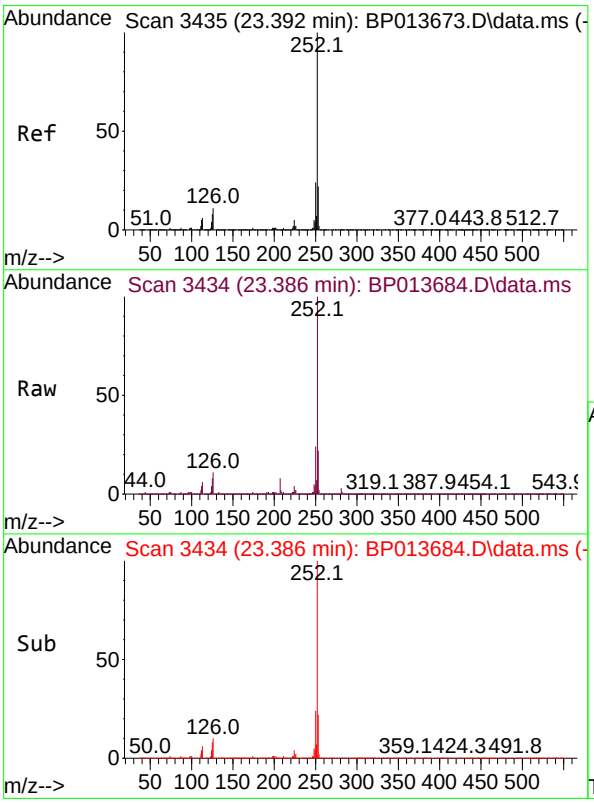
Ion	Ratio	Lower	Upper
276	100		
138	20.6	16.5	24.7
277	25.3	20.2	30.2



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

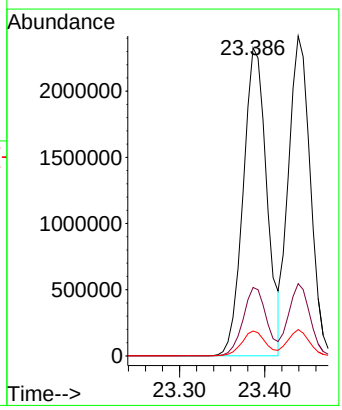
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

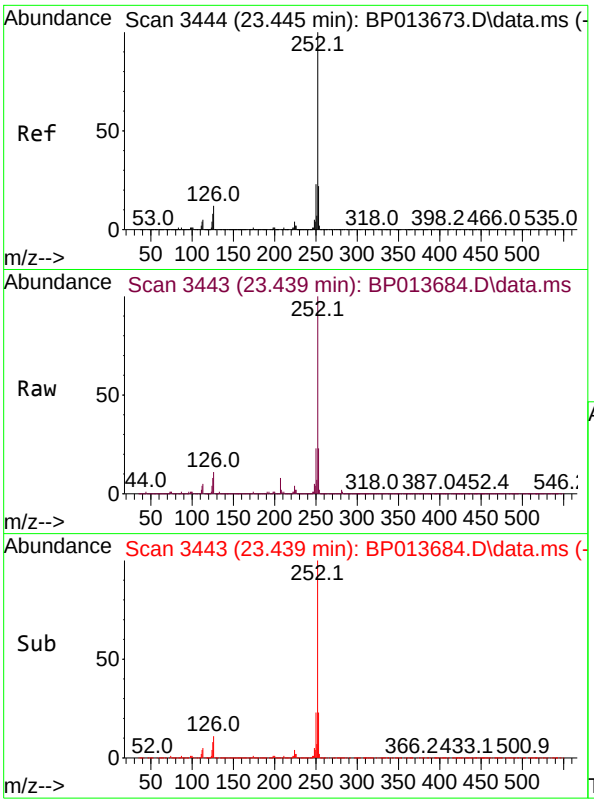


#88
Benzo(b)fluoranthene
Concen: 51.404 ng
RT: 23.386 min Scan# 3434
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:252 Resp: 4491017

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	8.1	6.8	10.2

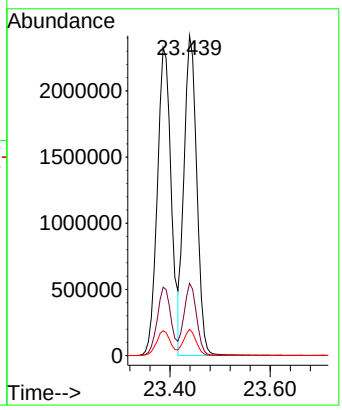




#89
Benzo(k)fluoranthene
Concen: 49.007 ng
RT: 23.439 min Scan# 34
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:252 Resp: 428851

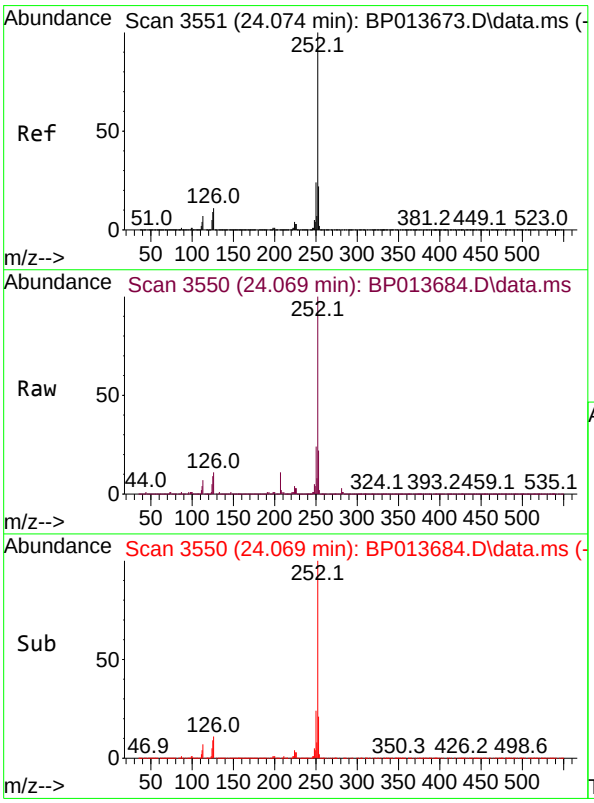
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	8.2	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

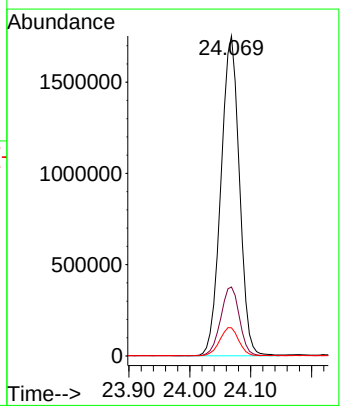
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

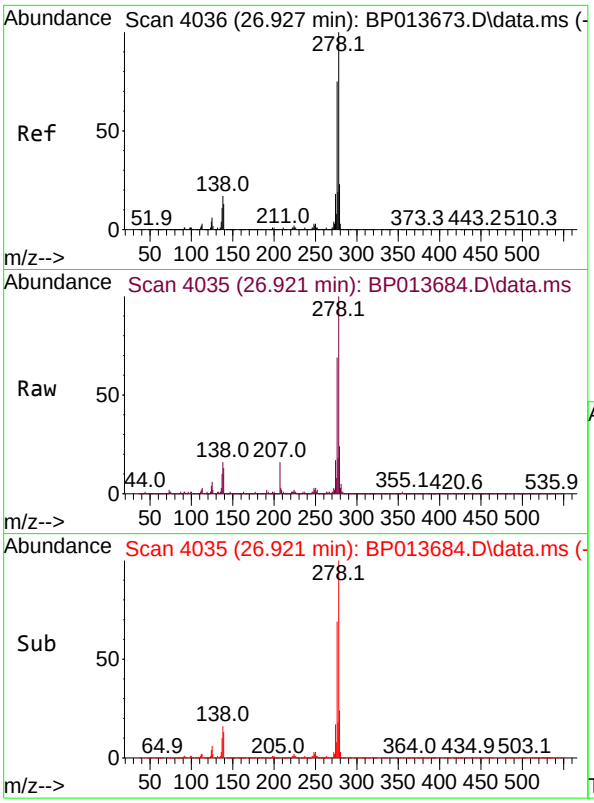


#90
Benzo(a)pyrene
Concen: 42.554 ng
RT: 24.069 min Scan# 3550
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:252 Resp: 3690409

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	8.8	7.0	10.4

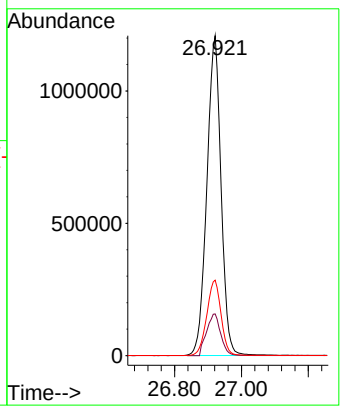




#91
Dibenzo(a,h)anthracene
Concen: 38.820 ng
RT: 26.921 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:278 Resp: 356224

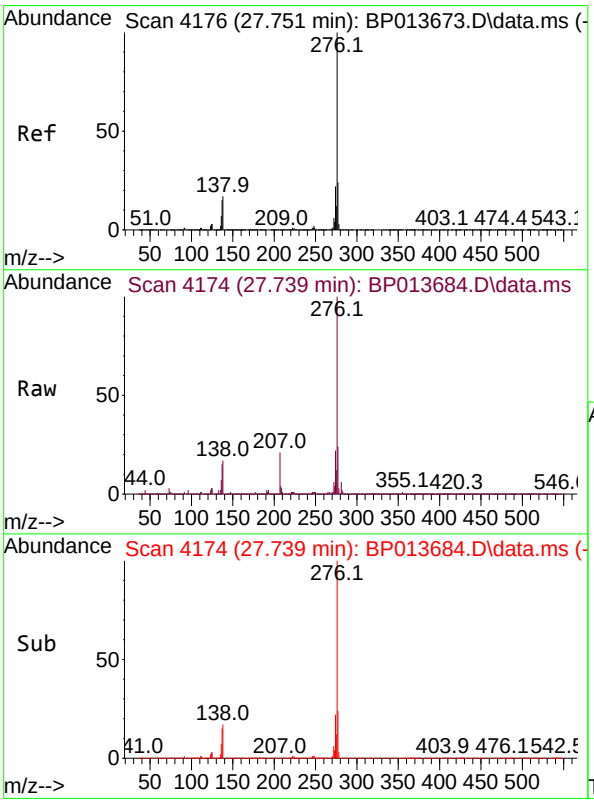
Ion	Ratio	Lower	Upper
278	100		
139	13.0	10.6	16.0
279	23.6	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
PB150378BS

Manual Integrations
APPROVED

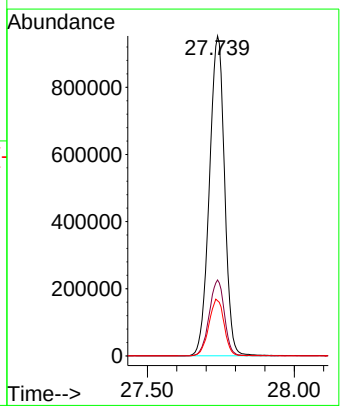
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#92
Benzo(g,h,i)perylene
Concen: 37.455 ng
RT: 27.739 min Scan# 4174
Delta R.T. -0.012 min
Lab File: BP013684.D
Acq: 31 Jan 2023 21:04

Tgt Ion:276 Resp: 3413658

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	17.2	14.0	21.0



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P34AMS	SDG No.:	O1232
Lab Sample ID:	O1233-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF132171.D	1	01/20/23 12:30	01/20/23 20:35	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1200		170	390	ug/Kg
108-95-2	Phenol	1700		79.2	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		94.0	200	ug/Kg
95-57-8	2-Chlorophenol	1800		79.9	200	ug/Kg
95-48-7	2-Methylphenol	1700		130	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		110	200	ug/Kg
98-86-2	Acetophenone	1600		93.7	200	ug/Kg
65794-96-9	3+4-Methylphenols	1700		110	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		89.1	93.6	ug/Kg
67-72-1	Hexachloroethane	1800		86.3	200	ug/Kg
98-95-3	Nitrobenzene	1700		86.5	200	ug/Kg
78-59-1	Isophorone	1700		77.9	200	ug/Kg
88-75-5	2-Nitrophenol	2000		110	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		120	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		130	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		95.6	200	ug/Kg
91-20-3	Naphthalene	1600		86.5	200	ug/Kg
106-47-8	4-Chloroaniline	590		110	200	ug/Kg
87-68-3	Hexachlorobutadiene	1600		120	200	ug/Kg
105-60-2	Caprolactam	2000		120	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		92.1	200	ug/Kg
91-57-6	2-Methylnaphthalene	1500		87.8	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3600	E	200	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		100	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		97.8	200	ug/Kg
92-52-4	1,1-Biphenyl	1600		100	200	ug/Kg
91-58-7	2-Chloronaphthalene	1600		100	200	ug/Kg
88-74-4	2-Nitroaniline	1800		130	200	ug/Kg
131-11-3	Dimethylphthalate	1600		94.7	200	ug/Kg
208-96-8	Acenaphthylene	1600		80.4	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		91.4	200	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P34AMS	SDG No.:	O1232
Lab Sample ID:	O1233-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF132171.D	1	01/20/23 12:30	01/20/23 20:35	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	1300		120	200	ug/Kg
83-32-9	Acenaphthene	1800		92.3	200	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	150	390	ug/Kg
100-02-7	4-Nitrophenol	3900	E	160	390	ug/Kg
132-64-9	Dibenzofuran	1500		86.8	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		99.0	200	ug/Kg
84-66-2	Diethylphthalate	1700		94.2	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		110	200	ug/Kg
86-73-7	Fluorene	1600		92.2	200	ug/Kg
100-01-6	4-Nitroaniline	1900		120	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		100	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		96.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		120	200	ug/Kg
118-74-1	Hexachlorobenzene	1700		120	200	ug/Kg
1912-24-9	Atrazine	1800		110	200	ug/Kg
87-86-5	Pentachlorophenol	3100		140	390	ug/Kg
85-01-8	Phenanthrene	1500		97.8	200	ug/Kg
120-12-7	Anthracene	1500		98.3	200	ug/Kg
86-74-8	Carbazole	1700		98.5	200	ug/Kg
84-74-2	Di-n-butylphthalate	1800		100	200	ug/Kg
206-44-0	Fluoranthene	1700		93.4	200	ug/Kg
129-00-0	Pyrene	1600		86.8	200	ug/Kg
85-68-7	Butylbenzylphthalate	1900		96.8	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	830		160	390	ug/Kg
56-55-3	Benzo(a)anthracene	1700		100	200	ug/Kg
218-01-9	Chrysene	1600		100	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		100	200	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		110	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		80.8	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		86.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	1600		79.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		120	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		120	200	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P34AMS	SDG No.:	O1232
Lab Sample ID:	O1233-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF132171.D	1	01/20/23 12:30	01/20/23 20:35	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1500		110	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		110	200	ug/Kg
123-91-1	1,4-Dioxane	1500		100	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		95.0	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	111		18 - 112	74%	SPK: 150
13127-88-3	Phenol-d6	118		21 - 104	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.4		27 - 109	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.7		30 - 103	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		10 - 121	88%	SPK: 150
1718-51-0	Terphenyl-d14	73.6		21 - 107	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	184000	7.09			
1146-65-2	Naphthalene-d8	674000	8.378			
15067-26-2	Acenaphthene-d10	369000	10.142			
1517-22-2	Phenanthrene-d10	748000	11.642			
1719-03-5	Chrysene-d12	455000	14.307			
1520-96-3	Perylene-d12	406000	15.901			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **BF132171.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132171.D
Acq On : 20 Jan 2023 20:35
Operator : CG\JU
Sample : 01233-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 21 03:56:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.090	152	184212	20.000	ng		0.00
21) Naphthalene-d8	8.378	136	674454	20.000	ng		0.00
39) Acenaphthene-d10	10.142	164	369043	20.000	ng		0.00
64) Phenanthrene-d10	11.642	188	748390	20.000	ng		0.00
76) Chrysene-d12	14.307	240	455426	20.000	ng		0.00
86) Perylene-d12	15.901	264	405760	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.725	112	1168126	110.773	ng		0.02
7) Phenol-d6	6.707	99	1563691	117.797	ng		0.00
23) Nitrobenzene-d5	7.654	82	1033020	81.365	ng		0.00
42) 2,4,6-Tribromophenol	10.942	330	518300	131.484	ng		0.00
45) 2-Fluorobiphenyl	9.454	172	1659325	65.701	ng		0.00
79) Terphenyl-d14	13.236	244	2001844	73.630	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.113	88	211997	39.682	ng		99
3) Pyridine	3.843	79	546312	38.093	ng		99
4) n-Nitrosodimethylamine	3.802	42	292734	43.401	ng		100
6) Aniline	6.748	93	655144m	35.632	ng		
8) 2-Chlorophenol	6.872	128	523160	47.198	ng		98
9) Benzaldehyde	6.643	77	264685	30.994	ng		99
10) Phenol	6.719	94	611337	44.238	ng		98
11) bis(2-Chloroethyl)ether	6.819	93	513886	43.927	ng		100
12) 1,3-Dichlorobenzene	7.031	146	545379	44.016	ng		98
13) 1,4-Dichlorobenzene	7.107	146	552662	44.700	ng		99
14) 1,2-Dichlorobenzene	7.260	146	530446	46.399	ng		97
15) Benzyl Alcohol	7.225	79	478698m	47.146	ng		
16) 2,2'-oxybis(1-Chloropr...	7.360	45	755751	44.449	ng		100
17) 2-Methylphenol	7.331	107	422253	43.483	ng		98
18) Hexachloroethane	7.607	117	207584	46.772	ng		96
19) n-Nitroso-di-n-propyla...	7.501	70	348478	42.857	ng		96
20) 3+4-Methylphenols	7.484	107	525790	42.970	ng		97
22) Acetophenone	7.501	105	665637	41.062	ng	#	98
24) Nitrobenzene	7.678	77	574598	42.745	ng		94
25) Isophorone	7.913	82	1061960	42.749	ng		98
26) 2-Nitrophenol	7.990	139	264966	51.662	ng		96
27) 2,4-Dimethylphenol	8.019	122	476757	44.353	ng		99
28) bis(2-Chloroethoxy)met...	8.119	93	613210	41.142	ng		99
29) 2,4-Dichlorophenol	8.231	162	448760	43.975	ng		98
30) 1,2,4-Trichlorobenzene	8.319	180	489393	42.222	ng		98
31) Naphthalene	8.401	128	1400607	40.435	ng		99
32) Benzoic acid	8.125	122	351863	48.858	ng		92
33) 4-Chloroaniline	8.442	127	222620	15.018	ng		95
34) Hexachlorobutadiene	8.513	225	325291	41.776	ng		99
35) Caprolactam	8.819	113	149764m	51.751	ng		
36) 4-Chloro-3-methylphenol	8.913	107	470663	45.831	ng		97
37) 2-Methylnaphthalene	9.095	142	925079	38.790	ng		100
38) 1-Methylnaphthalene	9.195	142	877096	39.527	ng		99
40) 1,2,4,5-Tetrachloroben...	9.260	216	500922	39.012	ng		99
41) Hexachlorocyclopentadiene	9.248	237	650146	92.788	ng		99
43) 2,4,6-Trichlorophenol	9.366	196	353715	44.387	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132171.D
Acq On : 20 Jan 2023 20:35
Operator : CG\JU
Sample : 01233-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 21 03:56:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/23/2023

Supervised By :Jagrut Upadhyay 01/23/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.407	196	386938	41.518	ng		98
46) 1,1'-Biphenyl	9.560	154	1157682	39.762	ng		100
47) 2-Chloronaphthalene	9.589	162	924471	41.075	ng		98
48) 2-Nitroaniline	9.678	65	326841	45.547	ng		97
49) Acenaphthylene	10.007	152	1454351	40.393	ng		99
50) Dimethylphthalate	9.854	163	1122254	41.987	ng		100
51) 2,6-Dinitrotoluene	9.919	165	259408	50.073	ng		95
52) Acenaphthene	10.184	154	971821	44.874	ng		97
53) 3-Nitroaniline	10.089	138	178541	32.234	ng		97
54) 2,4-Dinitrophenol	10.195	184	266056	108.068	ng	#	48
55) Dibenzofuran	10.354	168	1327167	39.654	ng		97
56) 4-Nitrophenol	10.242	139	407268	101.031	ng		89
57) 2,4-Dinitrotoluene	10.325	165	335194	53.902	ng		96
58) Fluorene	10.701	166	999303	40.296	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.466	232	330526	46.622	ng		99
60) Diethylphthalate	10.560	149	1129768	43.103	ng		99
61) 4-Chlorophenyl-phenyle...	10.684	204	535392	40.317	ng		99
62) 4-Nitroaniline	10.713	138	257309	49.898	ng		100
63) Azobenzene	10.848	77	1393280	52.965	ng		99
65) 4,6-Dinitro-2-methylph...	10.736	198	178390	48.454	ng		92
66) n-Nitrosodiphenylamine	10.807	169	919691	38.372	ng		99
67) 4-Bromophenyl-phenylether	11.178	248	353442	38.746	ng		99
68) Hexachlorobenzene	11.248	284	385274	42.496	ng		96
69) Atrazine	11.331	200	345513	46.723	ng		99
70) Pentachlorophenol	11.442	266	460815	79.097	ng		97
71) Phenanthrene	11.672	178	1559992	39.721	ng		99
72) Anthracene	11.725	178	1577300	39.698	ng		100
73) Carbazole	11.872	167	1442821	42.512	ng		99
74) Di-n-butylphthalate	12.195	149	1710479	45.273	ng		99
75) Fluoranthene	12.866	202	1735889	43.029	ng		99
77) Benzidine	12.983	184	799320	58.456	ng		99
78) Pyrene	13.101	202	1757363	41.870	ng		99
80) Butylbenzylphthalate	13.707	149	675729	49.332	ng		97
81) Benzo(a)anthracene	14.295	228	1390528	42.739	ng		99
82) 3,3'-Dichlorobenzidine	14.248	252	193310	21.334	ng		99
83) Chrysene	14.336	228	1252100	40.430	ng		99
84) Bis(2-ethylhexyl)phtha...	14.266	149	832524	45.641	ng		98
85) Di-n-octyl phthalate	14.901	149	1168376	44.146	ng		99
87) Indeno(1,2,3-cd)pyrene	17.565	276	1255979	39.311	ng		100
88) Benzo(b)fluoranthene	15.419	252	1157546	46.854	ng		99
89) Benzo(k)fluoranthene	15.454	252	1080629	42.889	ng		99
90) Benzo(a)pyrene	15.830	252	992749	41.772	ng		99
91) Dibenzo(a,h)anthracene	17.589	278	1021621	42.543	ng		99
92) Benzo(g,h,i)perylene	18.083	276	1067741	38.992	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BF132171.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132171.D
Acq On : 20 Jan 2023 20:35
Operator : CG\JU
Sample : 01233-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

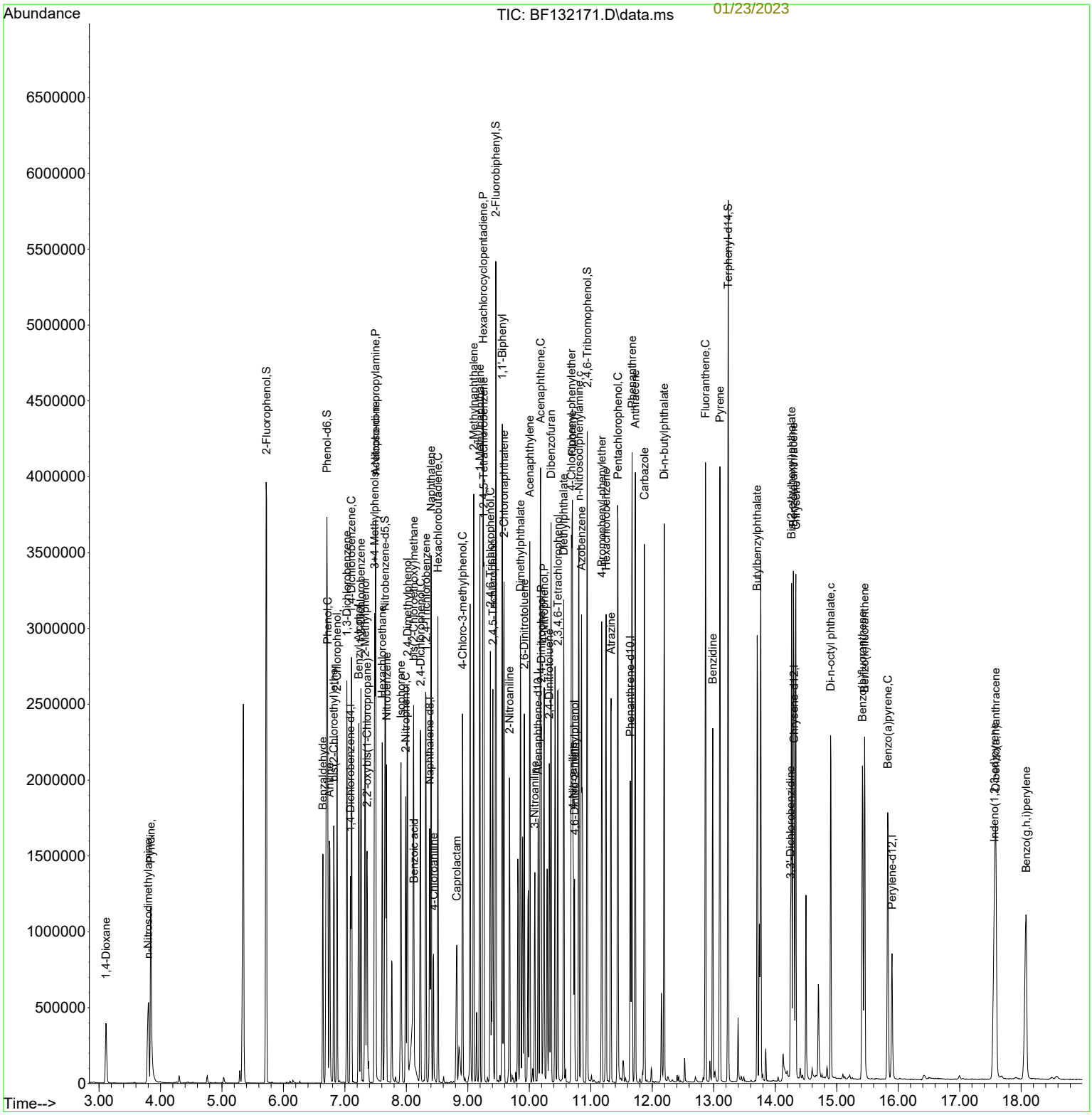
Quant Time: Jan 21 03:56:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

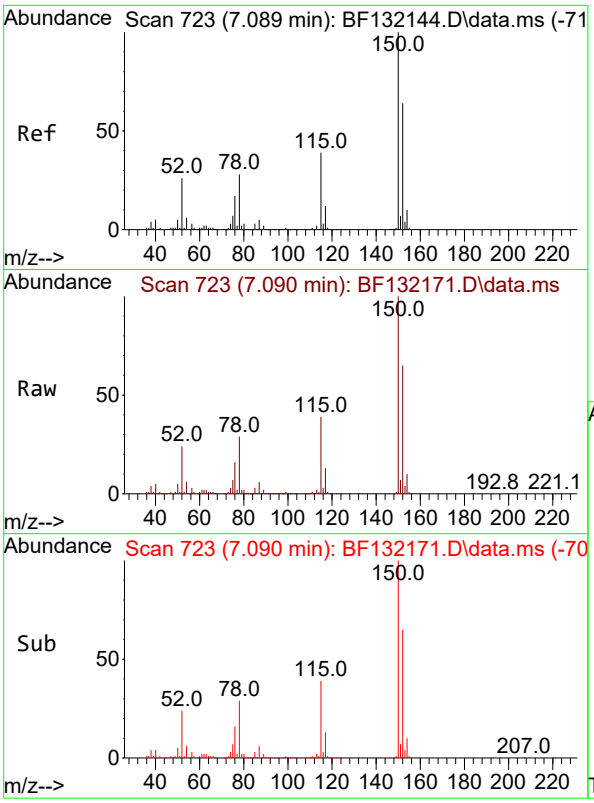
Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

Supervised By :Jagrut Upadhyay
01/23/2023

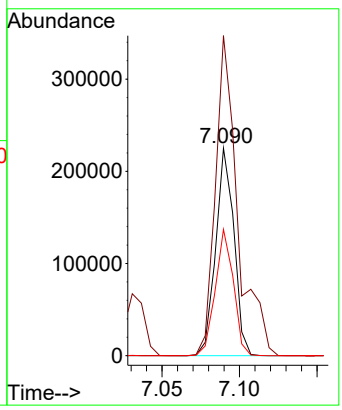




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.090 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:152 Resp: 18421

Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.8	188.8
115	60.9	49.2	73.8

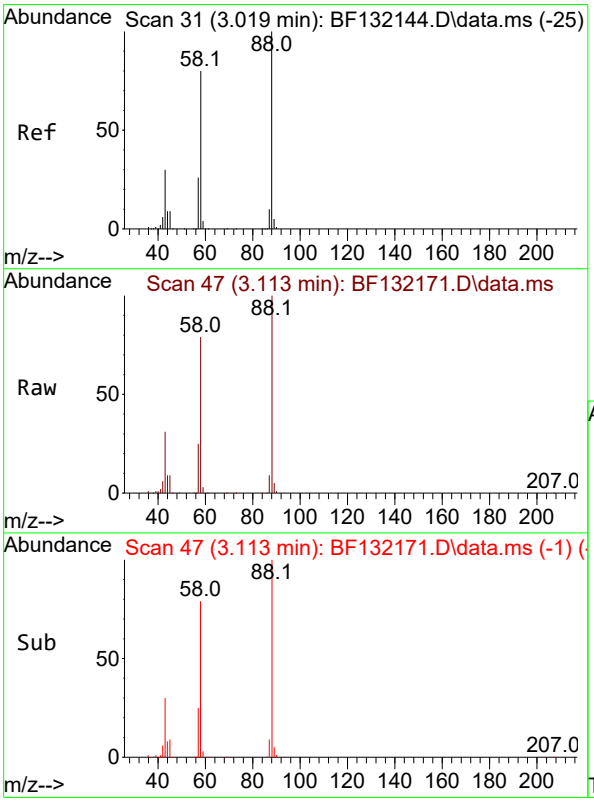


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

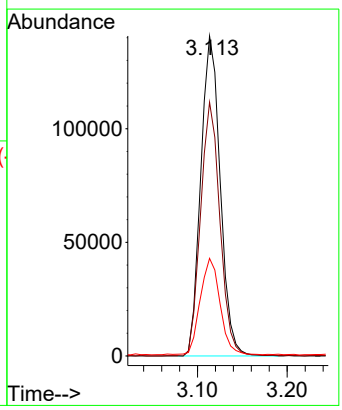
Supervised By :Jagrut Upadhyay
01/23/2023

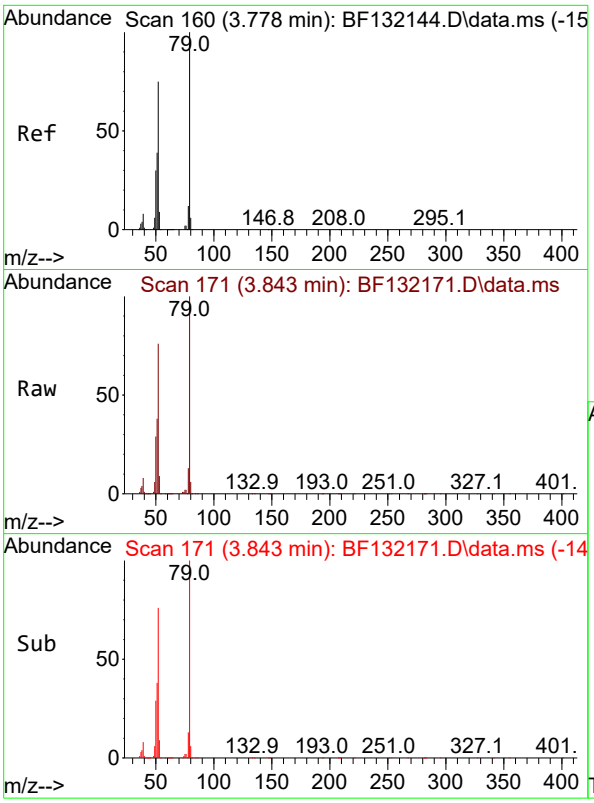


#2
1,4-Dioxane
Concen: 39.682 ng
RT: 3.113 min Scan# 47
Delta R.T. 0.094 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 88 Resp: 211997

Ion	Ratio	Lower	Upper
88	100		
58	79.0	64.0	96.0
43	30.8	24.2	36.4

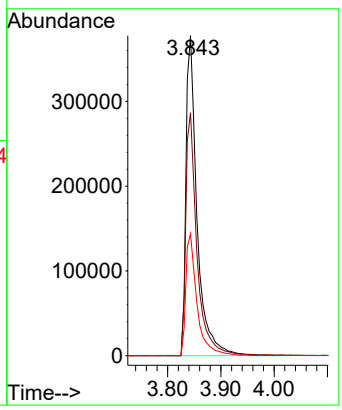




#3
Pyridine
Concen: 38.093 ng
RT: 3.843 min Scan# 1
Delta R.T. 0.065 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 79 Resp: 54631

Ion	Ratio	Lower	Upper
79	100		
52	75.9	60.1	90.1
51	38.1	31.4	47.0

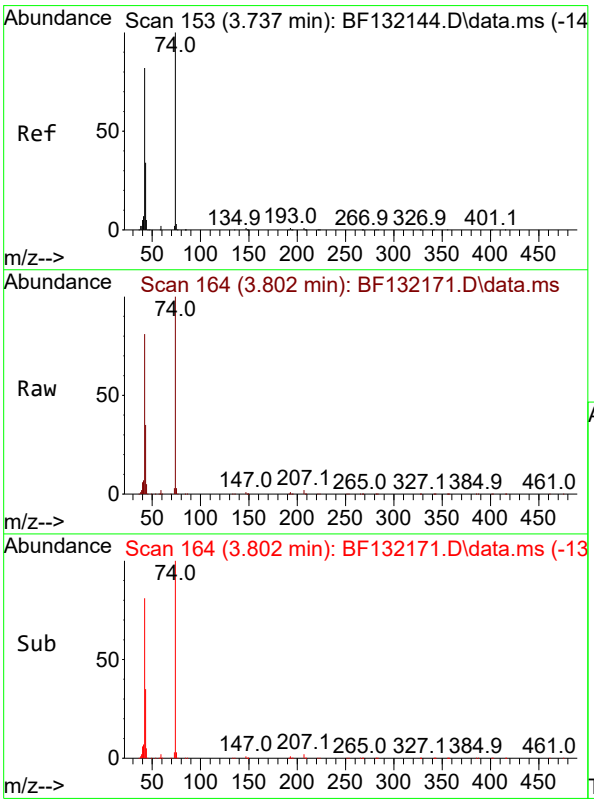


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

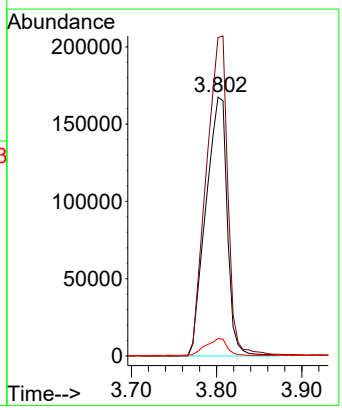
Supervised By :Jagrut Upadhyay
01/23/2023

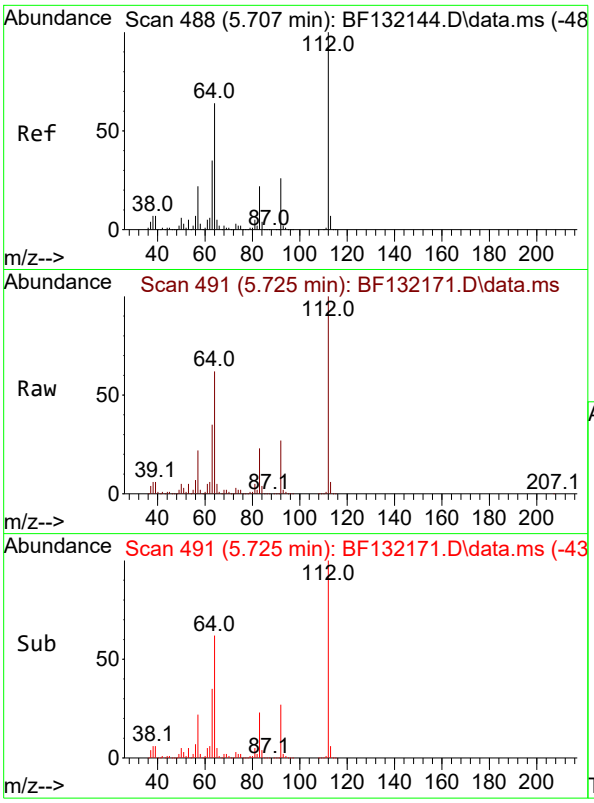


#4
n-Nitrosodimethylamine
Concen: 43.401 ng
RT: 3.802 min Scan# 164
Delta R.T. 0.065 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 42 Resp: 292734

Ion	Ratio	Lower	Upper
42	100		
74	123.0	98.1	147.1
44	6.7	5.2	7.8

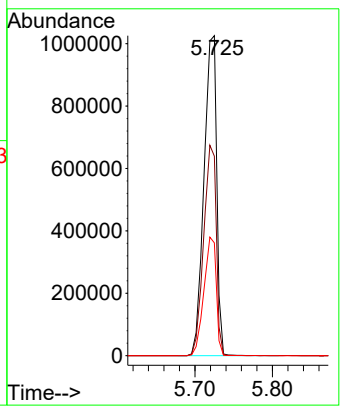




#5
2-Fluorophenol
Concen: 110.773 ng
RT: 5.725 min Scan# 4
Delta R.T. 0.018 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:112 Resp: 116812

Ion	Ratio	Lower	Upper
112	100		
64	62.4	51.4	77.0
63	35.3	28.2	42.2

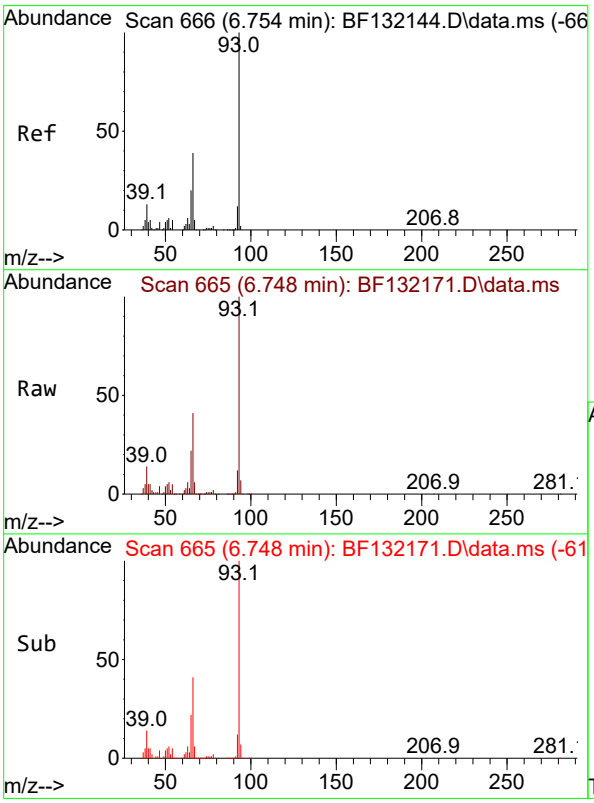


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

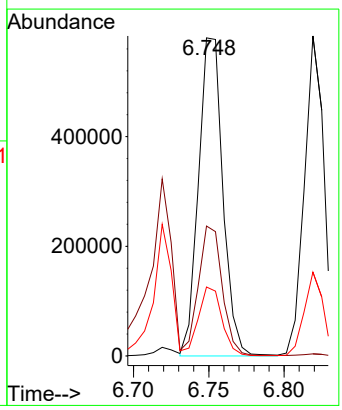
Supervised By :Jagrut Upadhyay
01/23/2023

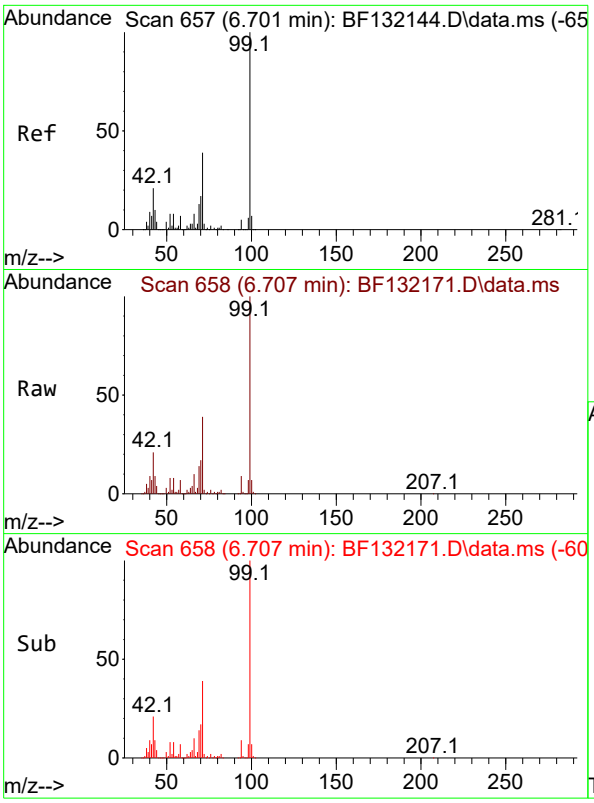


#6
Aniline
Concen: 35.632 ng m
RT: 6.748 min Scan# 665
Delta R.T. -0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 93 Resp: 655144

Ion	Ratio	Lower	Upper
93	100		
66	40.8	33.0	49.6
65	21.7	16.8	25.2

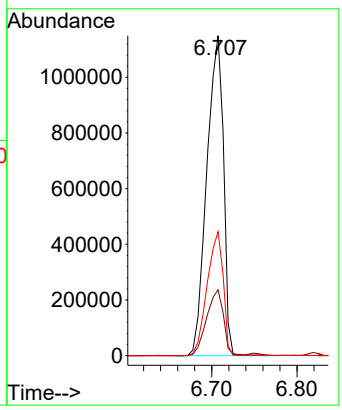




#7
Phenol-d6
Concen: 117.797 ng
RT: 6.707 min Scan# 6
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 99 Resp: 156369

Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.6	24.8
71	38.7	30.8	46.2

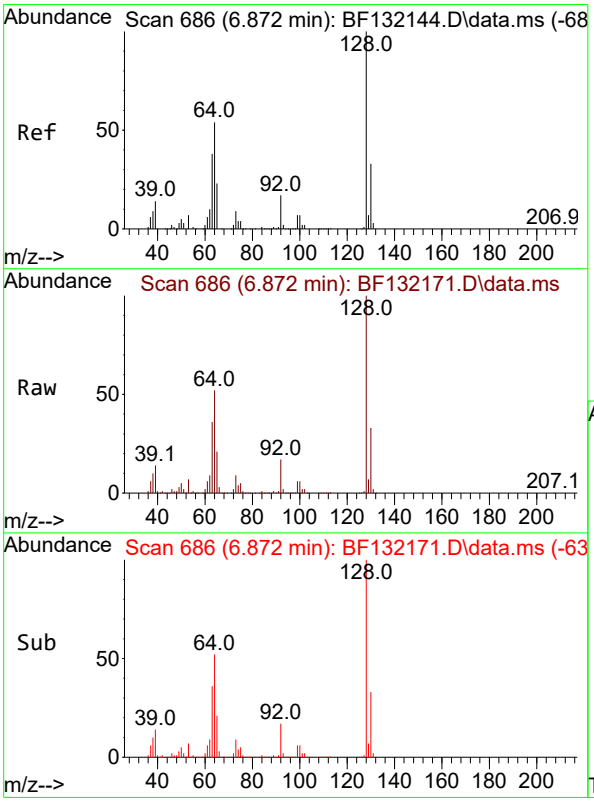


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

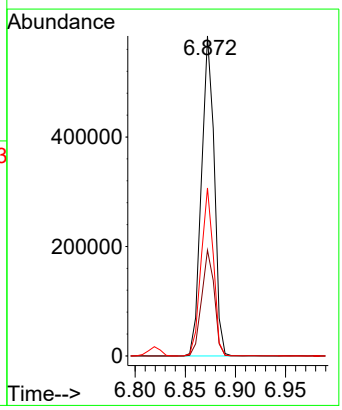
Supervised By :Jagrut Upadhyay
01/23/2023

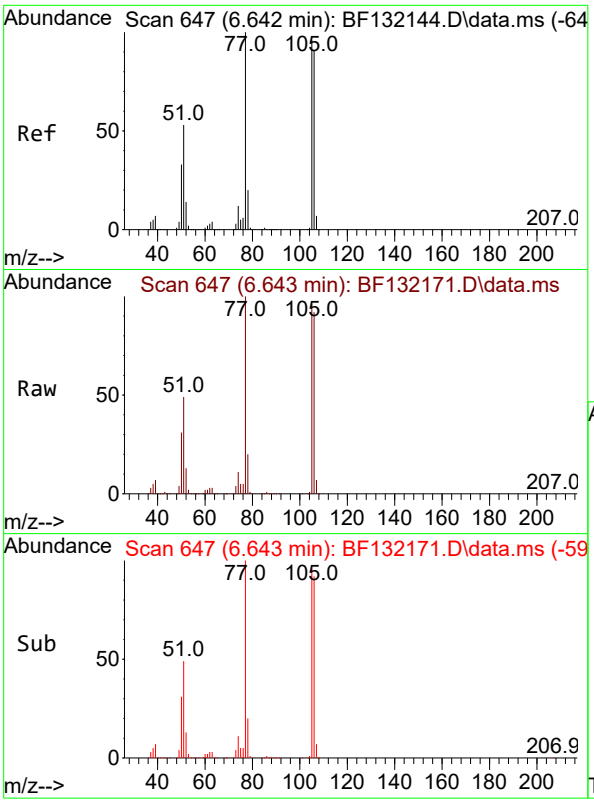


#8
2-Chlorophenol
Concen: 47.198 ng
RT: 6.872 min Scan# 686
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:128 Resp: 523160

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.8	52.8
64	52.5	34.8	74.8

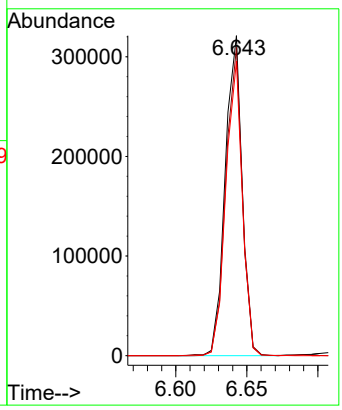




#9
Benzaldehyde
Concen: 30.994 ng
RT: 6.643 min Scan# 64
Delta R.T. 0.001 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 77 Resp: 26468

Ion	Ratio	Lower	Upper
77	100		
105	96.3	75.5	115.5
106	91.9	70.7	110.7

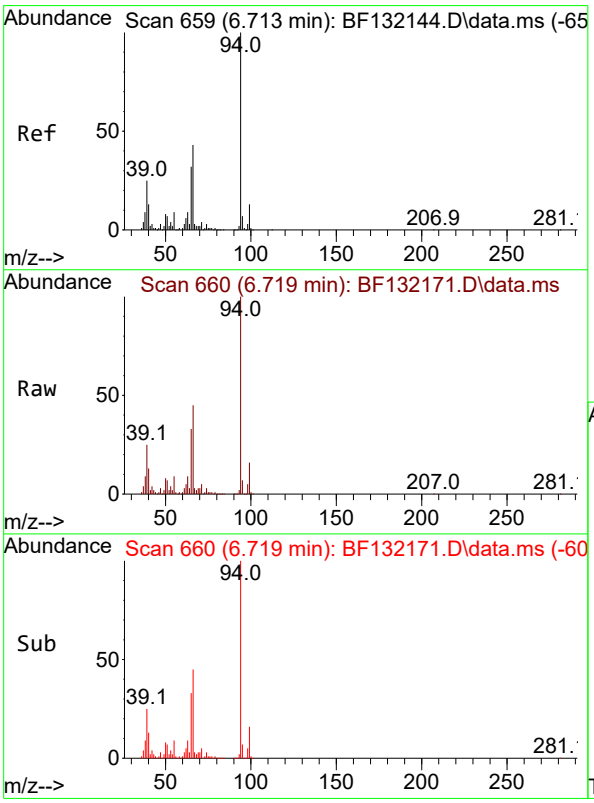


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo
01/23/2023

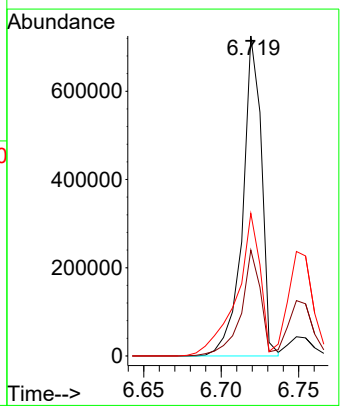
Supervised By :Jagrut Upadhyay
01/23/2023

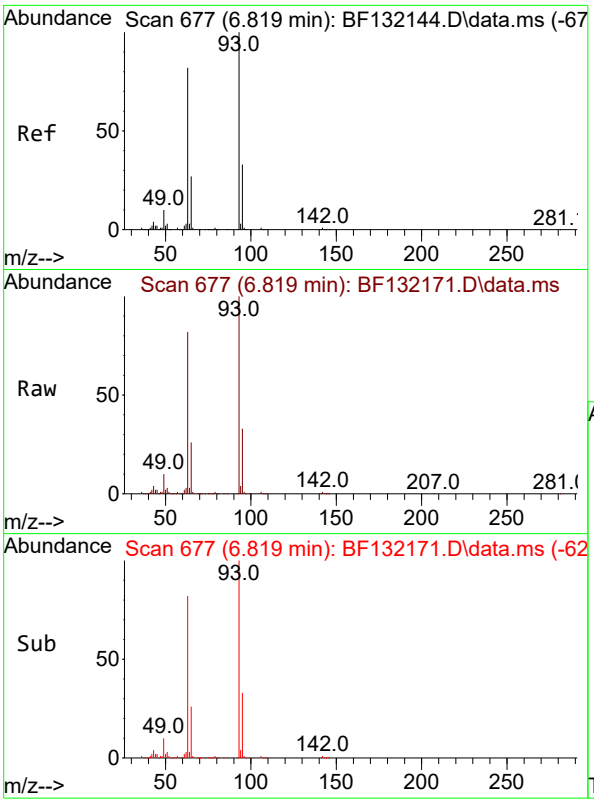


#10
Phenol
Concen: 44.238 ng
RT: 6.719 min Scan# 660
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 94 Resp: 611337

Ion	Ratio	Lower	Upper
94	100		
65	33.1	12.0	52.0
66	44.5	22.7	62.7

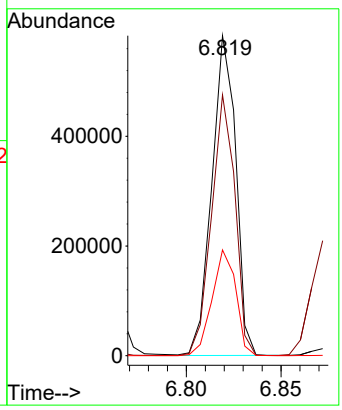




#11
bis(2-Chloroethyl)ether
Concen: 43.927 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 93 Resp: 51388

Ion	Ratio	Lower	Upper
93	100		
63	81.5	61.6	101.6
95	33.1	12.7	52.7

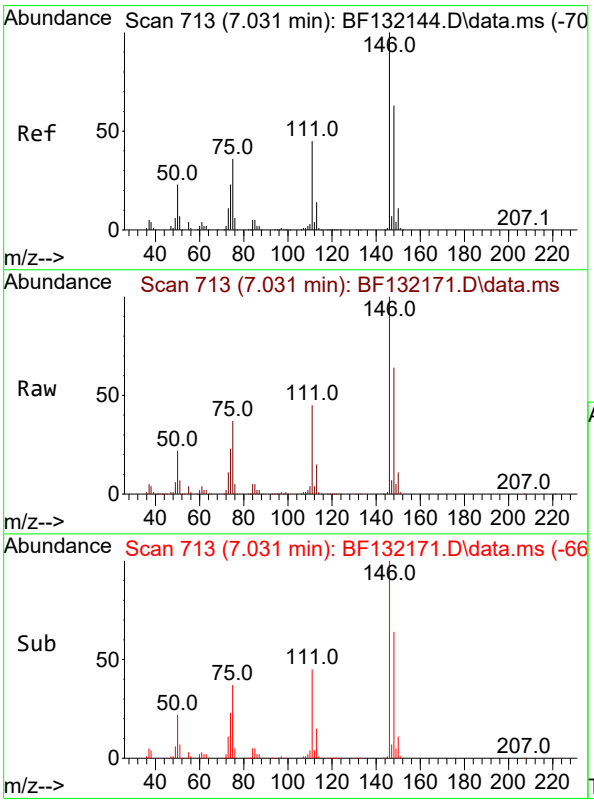


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

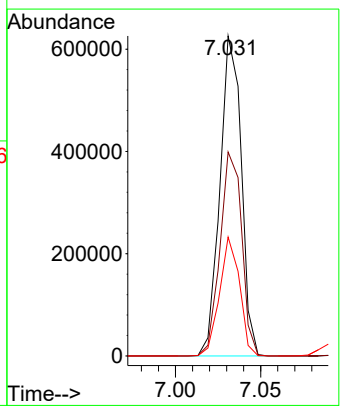
Supervised By :Jagrut Upadhyay
01/23/2023

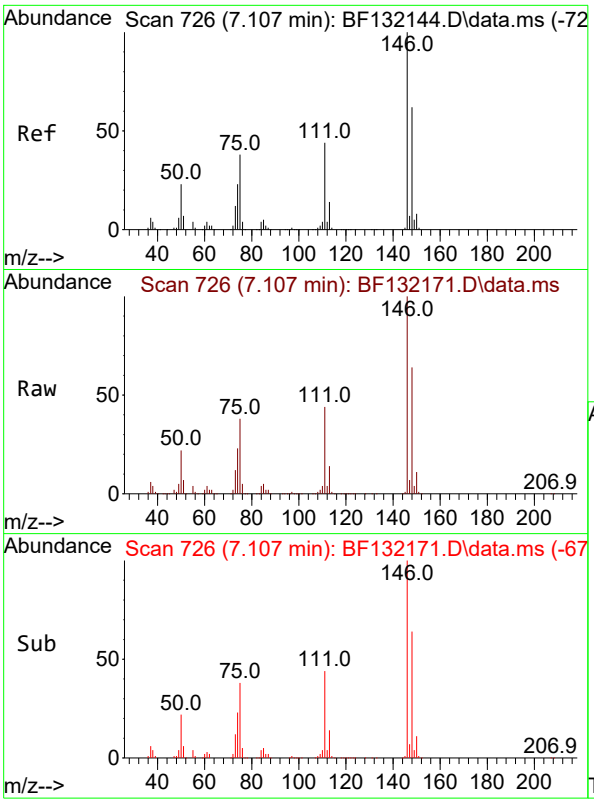


#12
1,3-Dichlorobenzene
Concen: 44.016 ng
RT: 7.031 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:146 Resp: 545379

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.0	75.0
75	37.1	28.8	43.2

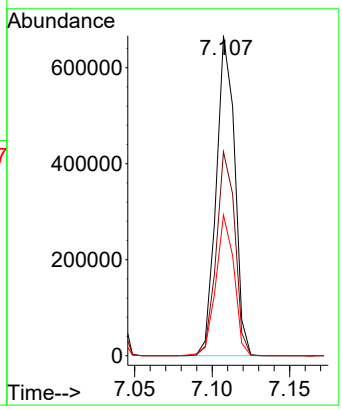




#13
1,4-Dichlorobenzene
Concen: 44.700 ng
RT: 7.107 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:146 Resp: 55266

Ion	Ratio	Lower	Upper
146	100		
148	63.7	49.9	74.9
111	43.9	35.2	52.8

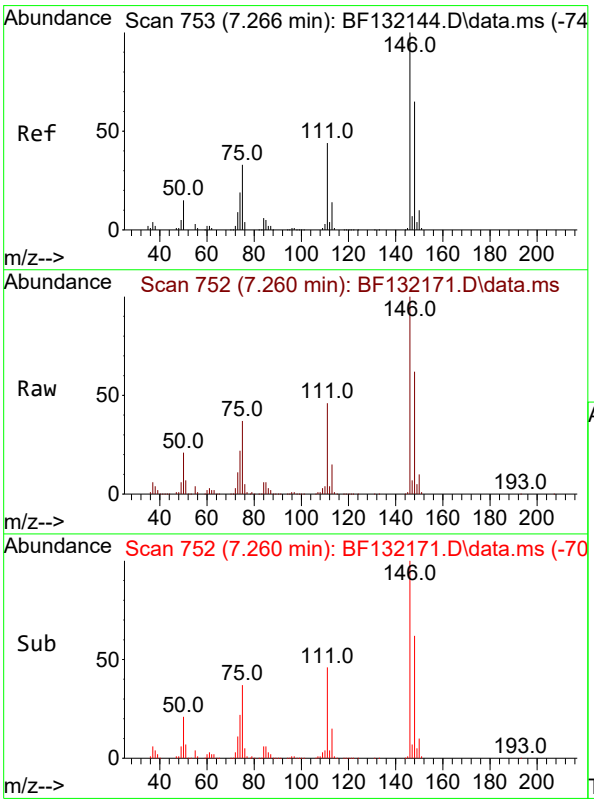


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

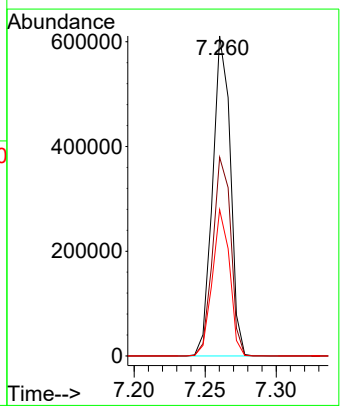
Supervised By :Jagrut Upadhyay
01/23/2023

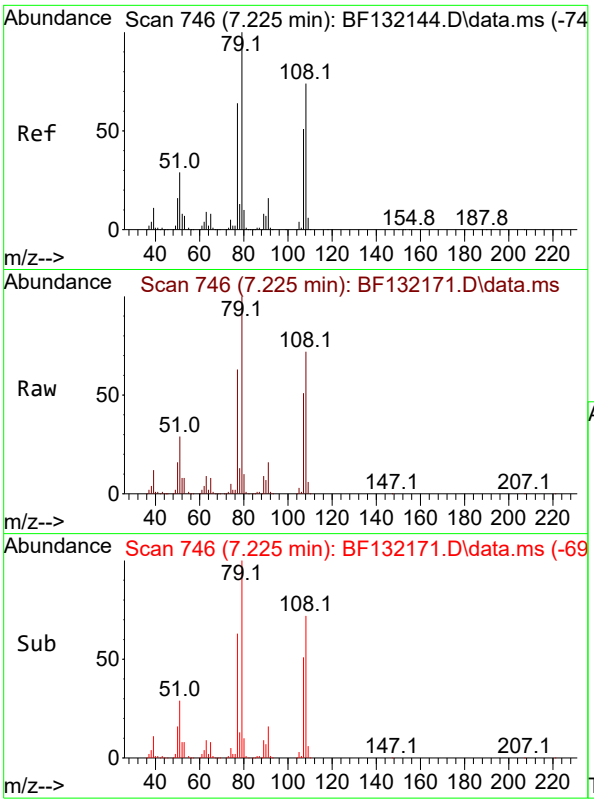


#14
1,2-Dichlorobenzene
Concen: 46.399 ng
RT: 7.260 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:146 Resp: 530446

Ion	Ratio	Lower	Upper
146	100		
148	62.1	52.0	78.0
111	45.7	35.4	53.2

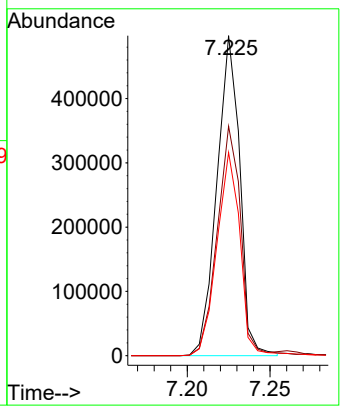




#15
Benzyl Alcohol
Concen: 47.146 ng m
RT: 7.225 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 79 Resp: 47869

Ion	Ratio	Lower	Upper
79	100		
108	71.7	58.9	88.3
77	63.5	51.1	76.7

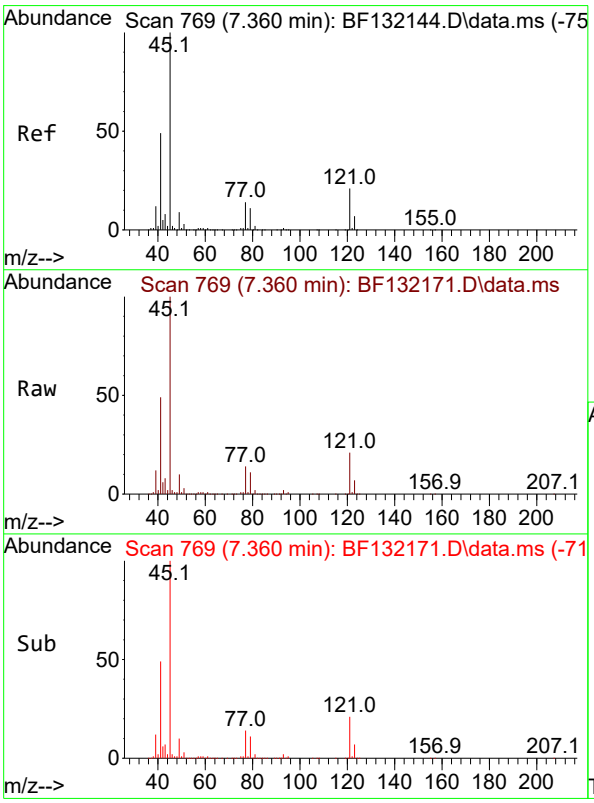


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

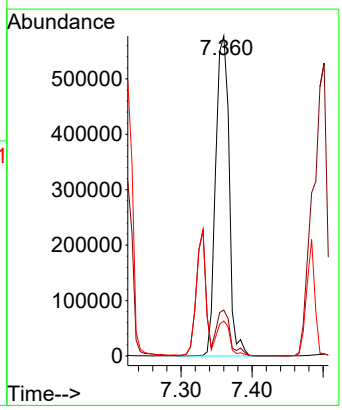
Supervised By :Jagrut Upadhyay
01/23/2023

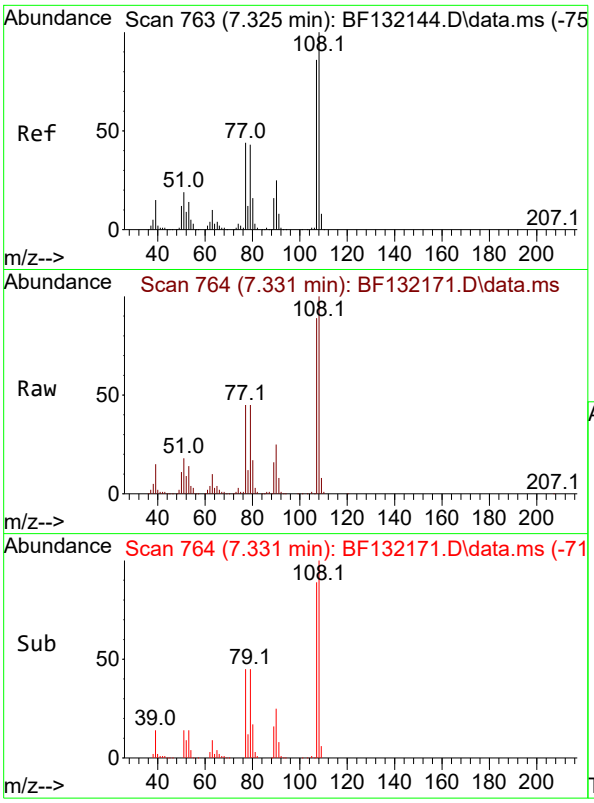


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.449 ng
RT: 7.360 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 45 Resp: 755751

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	34.3
79	11.0	0.0	30.9

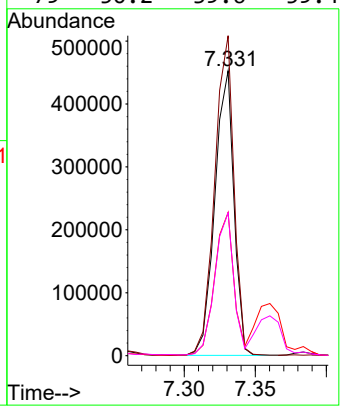




#17
2-Methylphenol
Concen: 43.483 ng
RT: 7.331 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:107 Resp: 42225

Ion	Ratio	Lower	Upper
107	100		
108	112.3	92.8	139.2
77	50.2	41.1	61.7
79	50.2	39.6	59.4

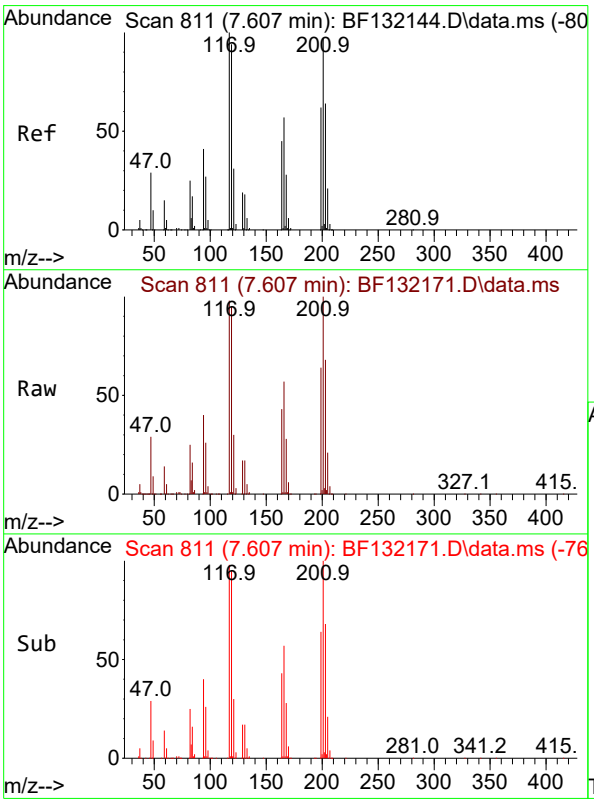


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

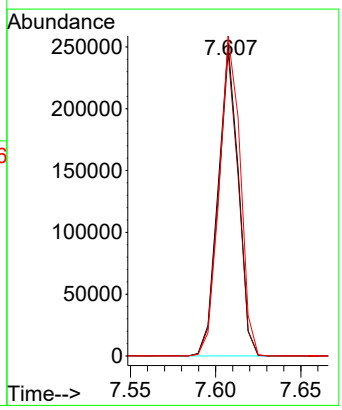
Supervised By :Jagrut Upadhyay
01/23/2023

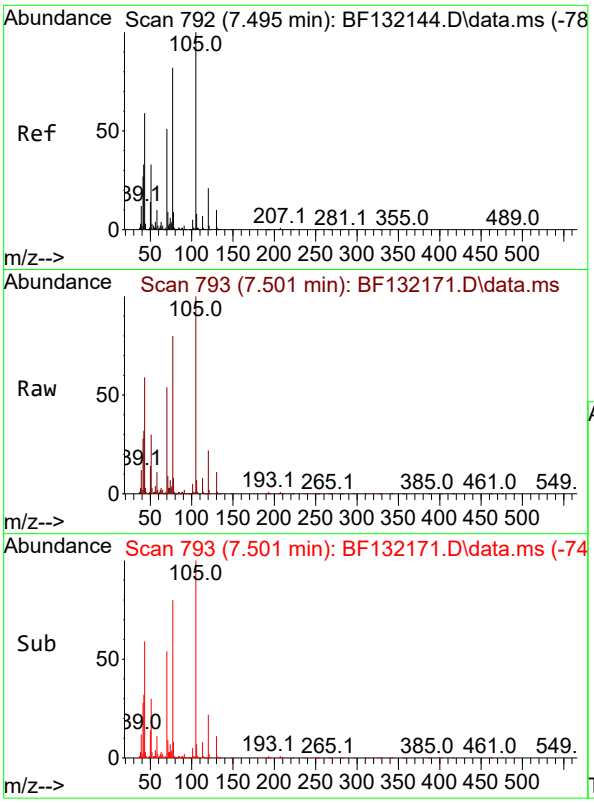


#18
Hexachloroethane
Concen: 46.772 ng
RT: 7.607 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:117 Resp: 207584

Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.4	113.0
201	102.4	77.9	116.9

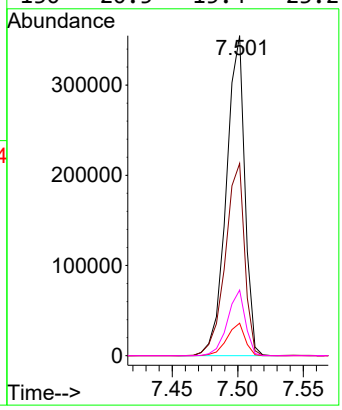




#19
n-Nitroso-di-n-propylamine
Concen: 42.857 ng
RT: 7.501 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 70 Resp: 34847

Ion	Ratio	Lower	Upper
70	100		
42	60.0	51.0	76.4
101	10.1	7.3	10.9
130	20.5	15.4	23.2

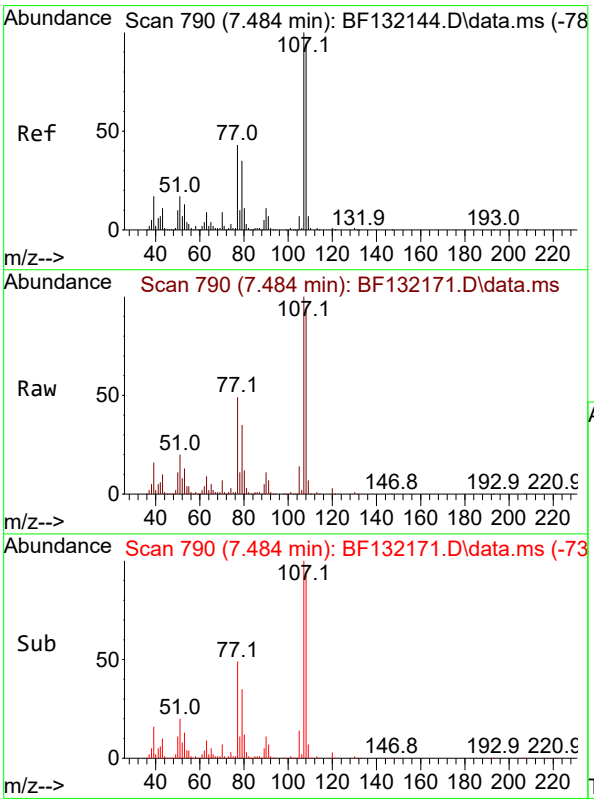


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

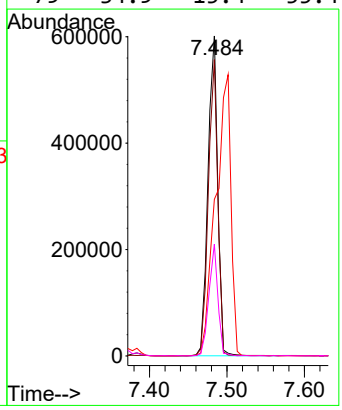
Supervised By :Jagrut Upadhyay
01/23/2023

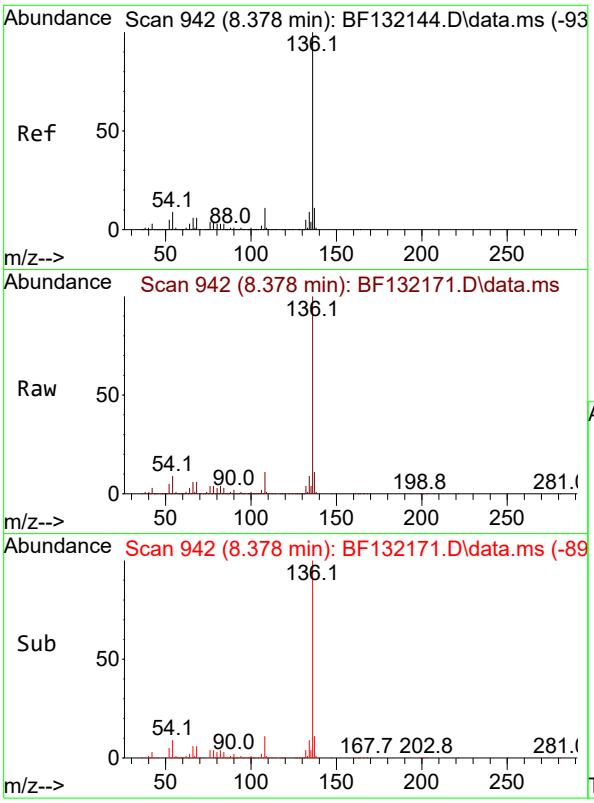


#20
3+4-Methylphenols
Concen: 42.970 ng
RT: 7.484 min Scan# 790
Delta R.T. -0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:107 Resp: 525790

Ion	Ratio	Lower	Upper
107	100		
108	92.6	73.8	113.8
77	49.0	22.8	62.8
79	34.9	15.4	55.4

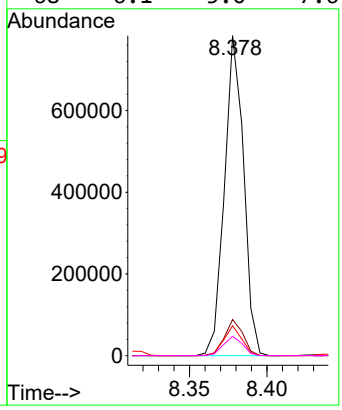




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.378 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:136 Resp: 674454

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.4	7.0	10.6
68	6.1	5.0	7.6

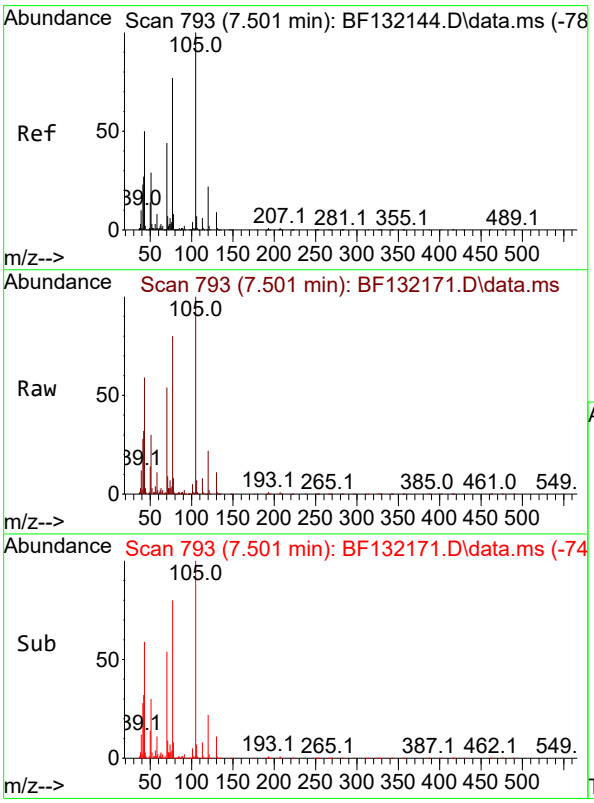


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

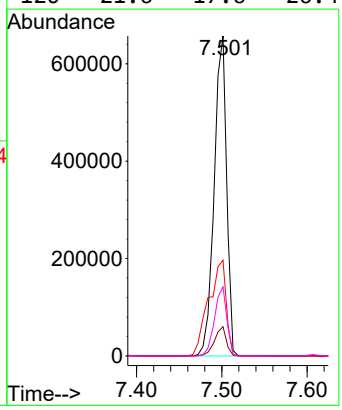
Supervised By :Jagrut Upadhyay
01/23/2023

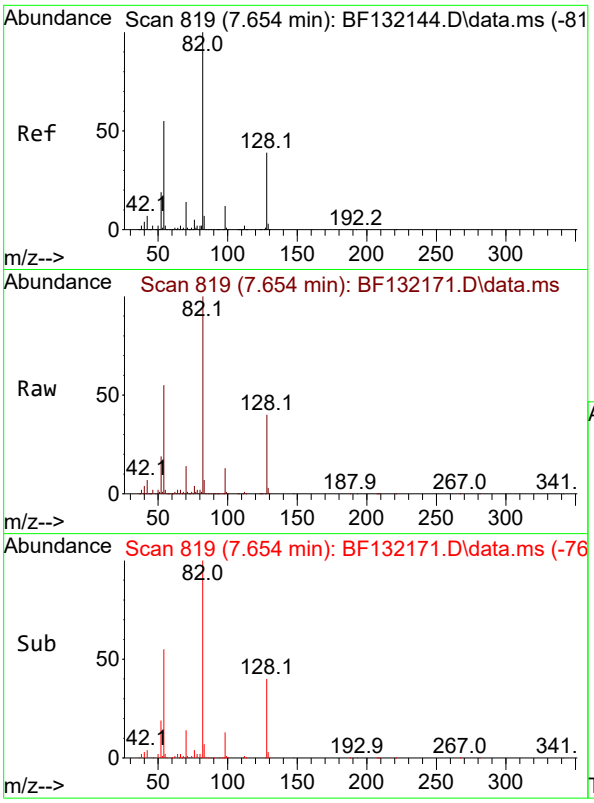


#22
Acetophenone
Concen: 41.062 ng
RT: 7.501 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:105 Resp: 665637

Ion	Ratio	Lower	Upper
105	100		
71	9.2	5.8	8.6#
51	29.9	23.0	34.6
120	21.6	17.6	26.4

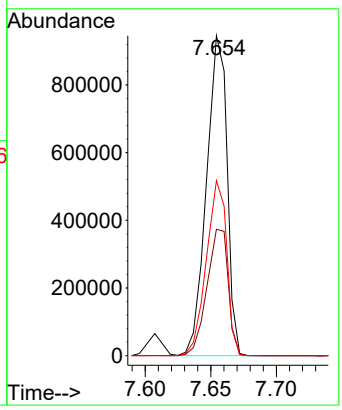




#23
Nitrobenzene-d5
Concen: 81.365 ng
RT: 7.654 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 82 Resp: 103302

Ion	Ratio	Lower	Upper
82	100		
128	39.5	31.1	46.7
54	54.7	43.9	65.9

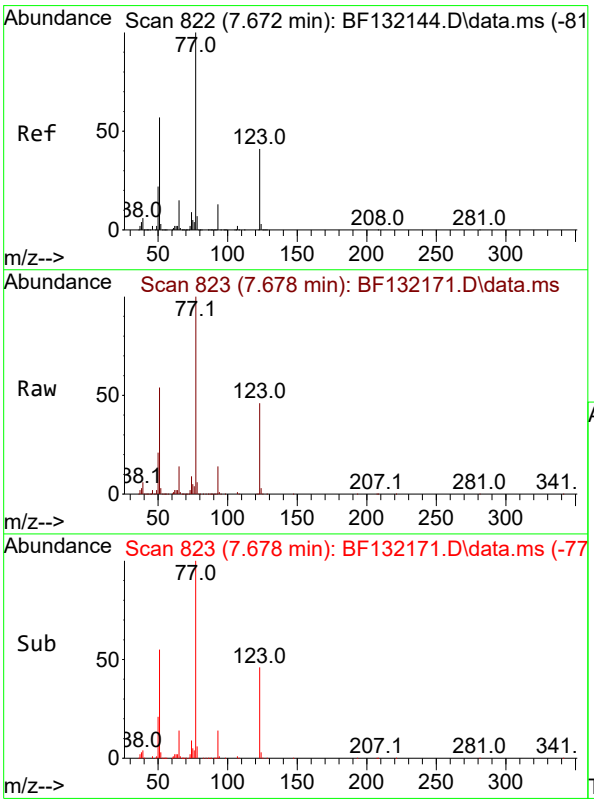


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

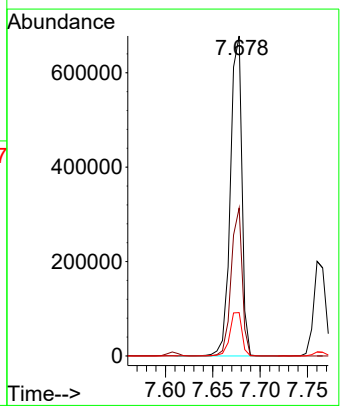
Supervised By :Jagrut Upadhyay
01/23/2023

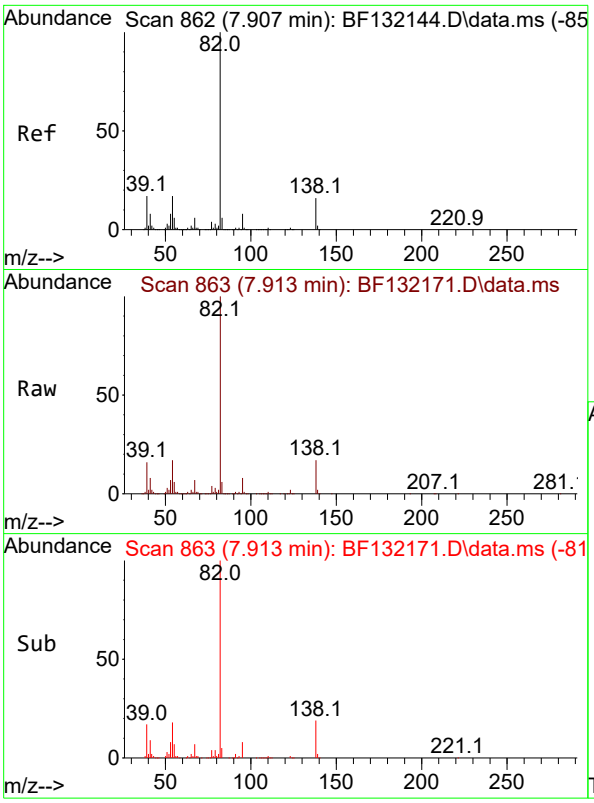


#24
Nitrobenzene
Concen: 42.745 ng
RT: 7.678 min Scan# 823
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 77 Resp: 574598

Ion	Ratio	Lower	Upper
77	100		
123	46.2	33.1	49.7
65	13.5	11.7	17.5

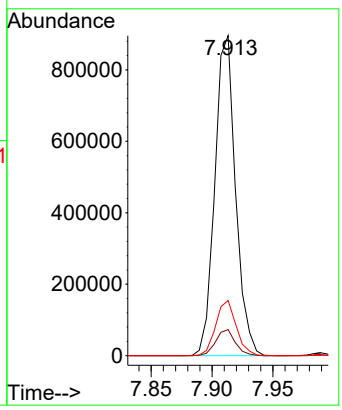




#25
Isophorone
Concen: 42.749 ng
RT: 7.913 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 82 Resp: 106196

Ion	Ratio	Lower	Upper
82	100		
95	8.1	6.2	9.2
138	17.2	12.9	19.3

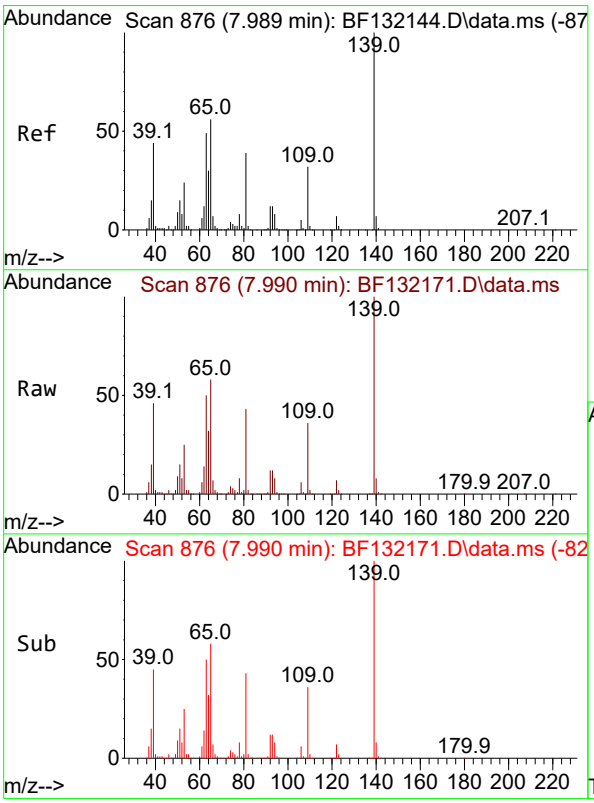


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

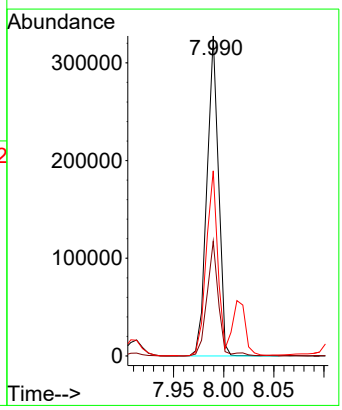
Supervised By :Jagrut Upadhyay
01/23/2023

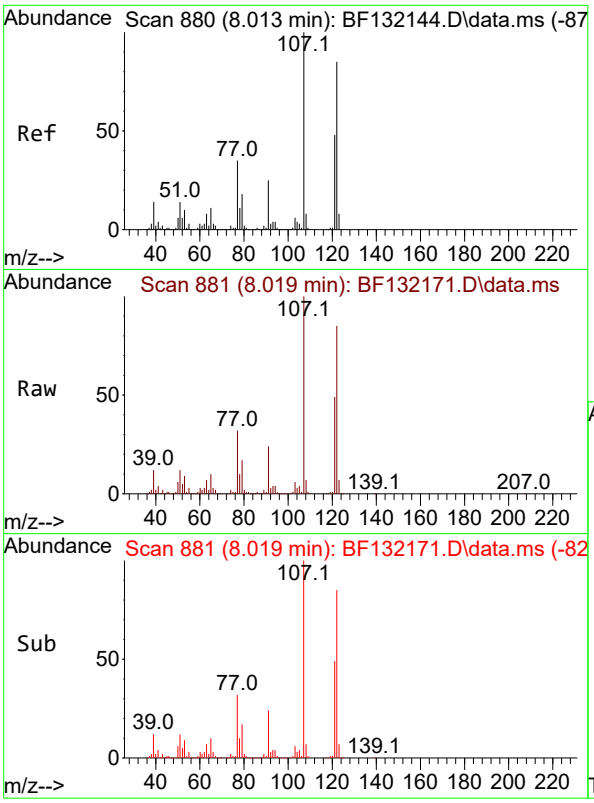


#26
2-Nitrophenol
Concen: 51.662 ng
RT: 7.990 min Scan# 876
Delta R.T. 0.001 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:139 Resp: 264966

Ion	Ratio	Lower	Upper
139	100		
109	35.9	25.8	38.8
65	57.8	44.6	66.8

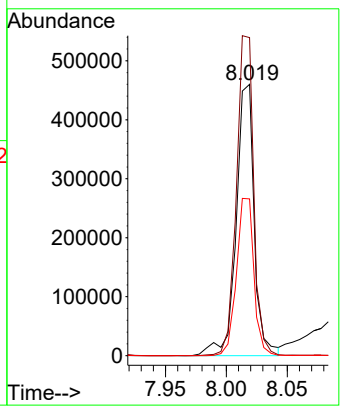




#27
2,4-Dimethylphenol
Concen: 44.353 ng
RT: 8.019 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:122 Resp: 47675

Ion	Ratio	Lower	Upper
122	100		
107	117.2	94.2	141.4
121	57.8	45.6	68.4

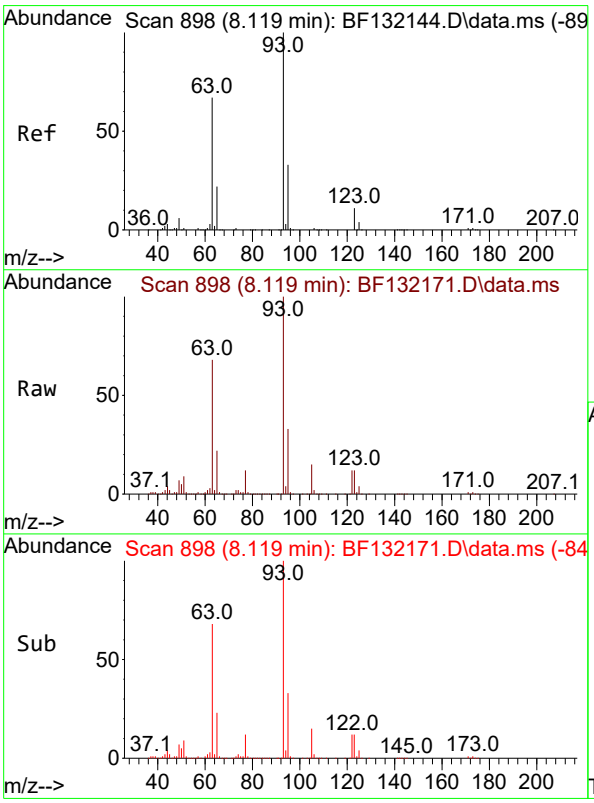


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

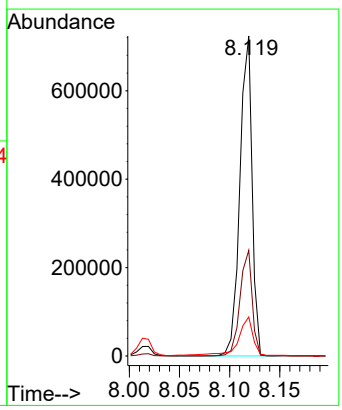
Supervised By :Jagrut Upadhyay
01/23/2023

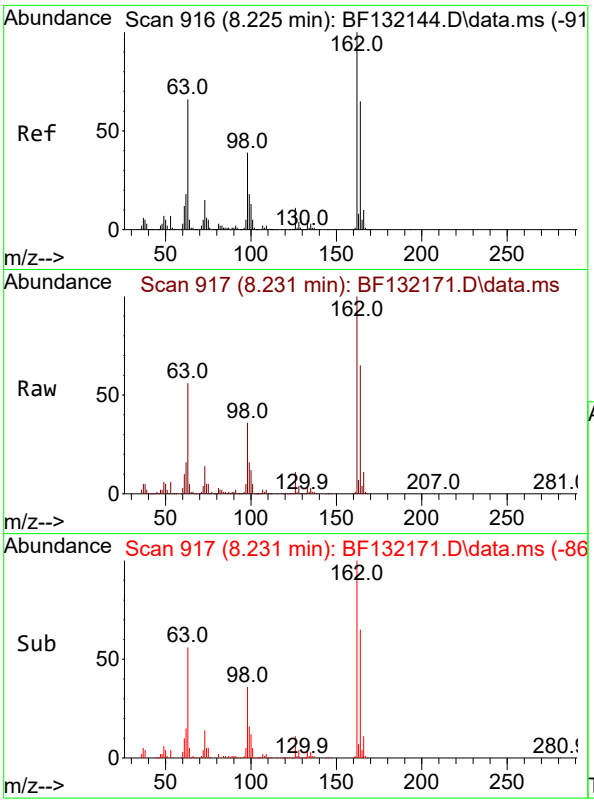


#28
bis(2-Chloroethoxy)methane
Concen: 41.142 ng
RT: 8.119 min Scan# 898
Delta R.T. -0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 93 Resp: 613210

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.2
123	12.2	9.1	13.7

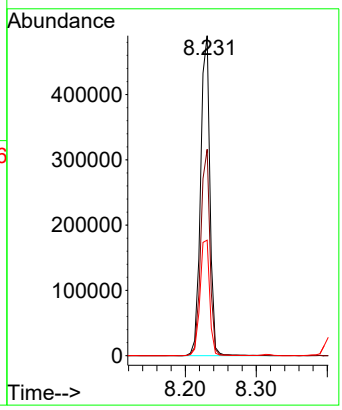




#29
2,4-Dichlorophenol
Concen: 43.975 ng
RT: 8.231 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:162 Resp: 44876

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.7	84.7
98	36.1	18.8	58.8

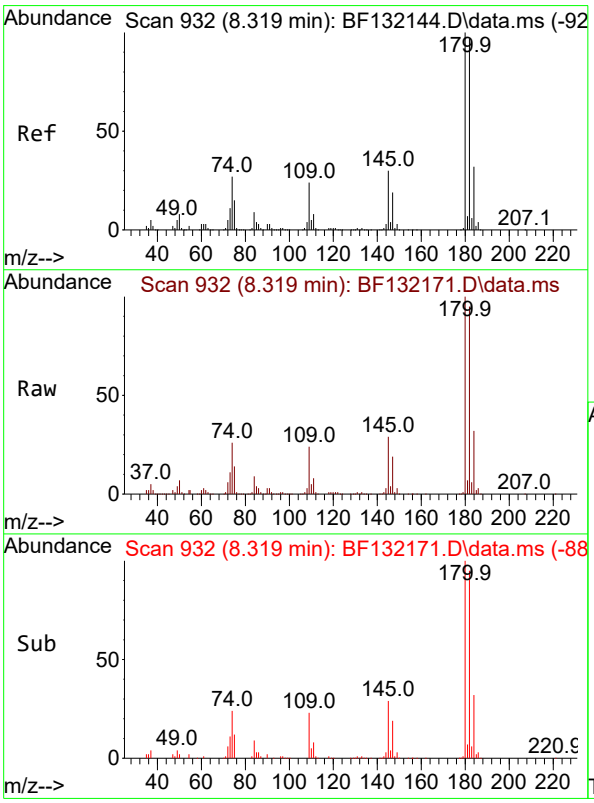


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo
01/23/2023

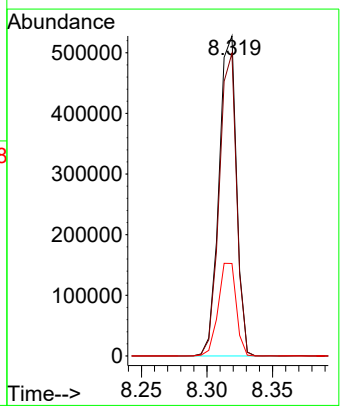
Supervised By :Jagrut Upadhyay
01/23/2023

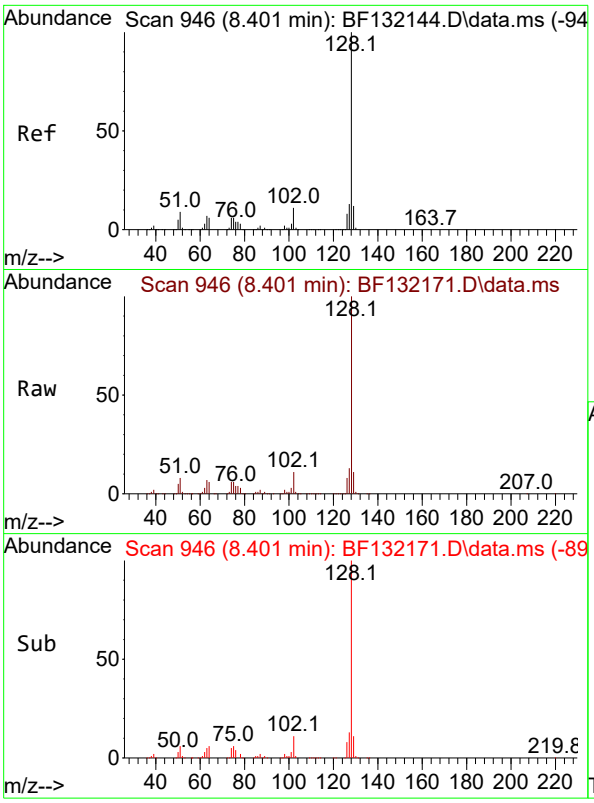


#30
1,2,4-Trichlorobenzene
Concen: 42.222 ng
RT: 8.319 min Scan# 932
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:180 Resp: 489393

Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.4	116.0
145	28.9	23.8	35.6

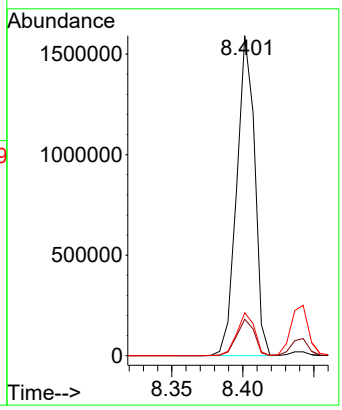




#31
Naphthalene
Concen: 40.435 ng
RT: 8.401 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:128 Resp: 140060

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	13.4	10.6	15.8

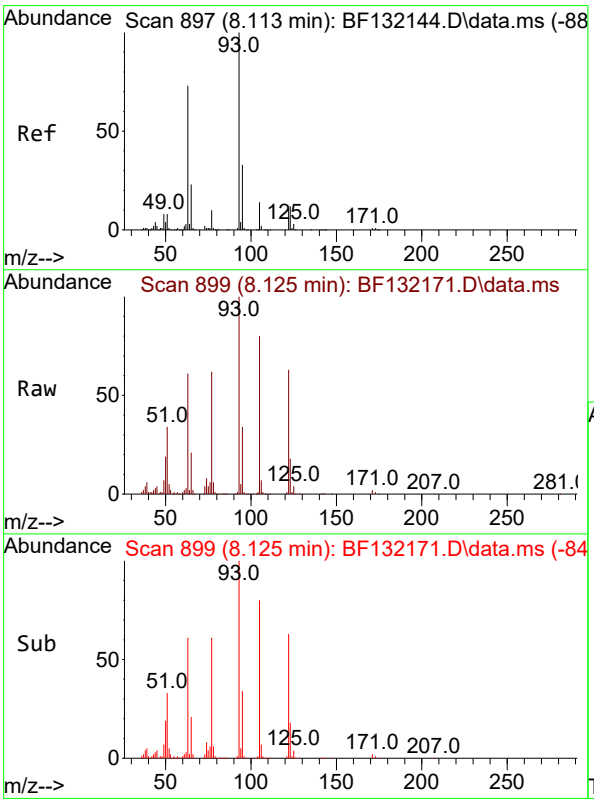


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

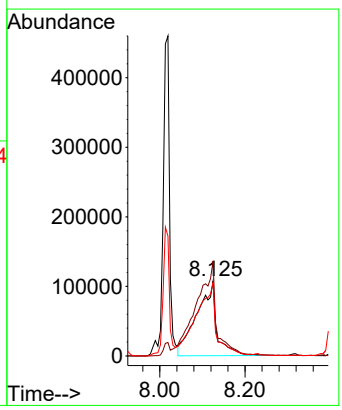
Supervised By :Jagrut Upadhyay
01/23/2023

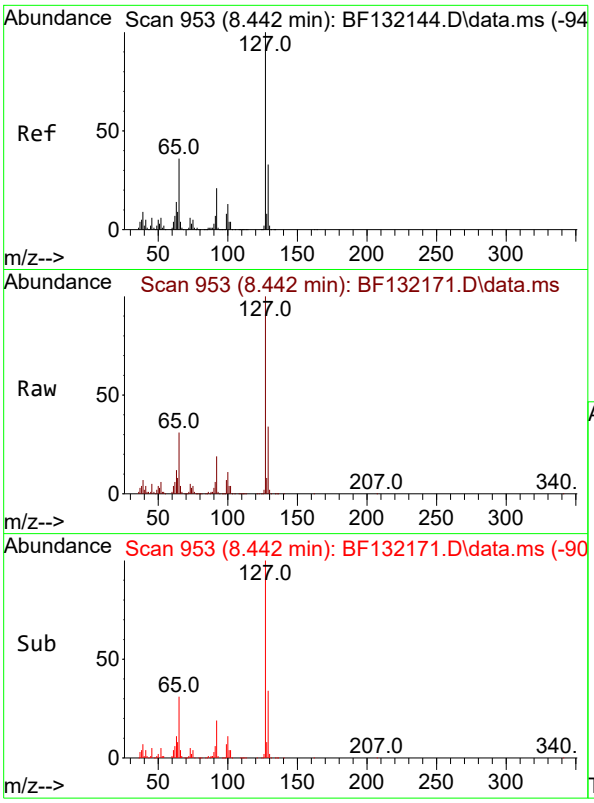


#32
Benzoic acid
Concen: 48.858 ng
RT: 8.125 min Scan# 899
Delta R.T. 0.012 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:122 Resp: 351863

Ion	Ratio	Lower	Upper
122	100		
105	126.8	96.8	136.8
77	98.3	72.5	112.5

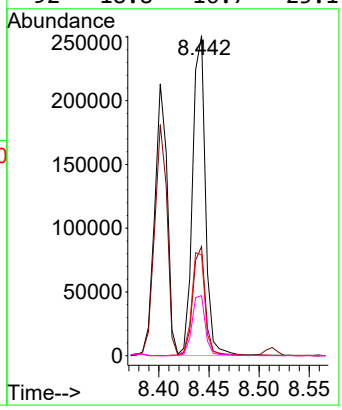




#33
4-Chloroaniline
Concen: 15.018 ng
RT: 8.442 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:127 Resp: 22262

Ion	Ratio	Lower	Upper
127	100		
129	34.1	26.0	39.0
65	31.5	28.4	42.6
92	18.8	16.7	25.1

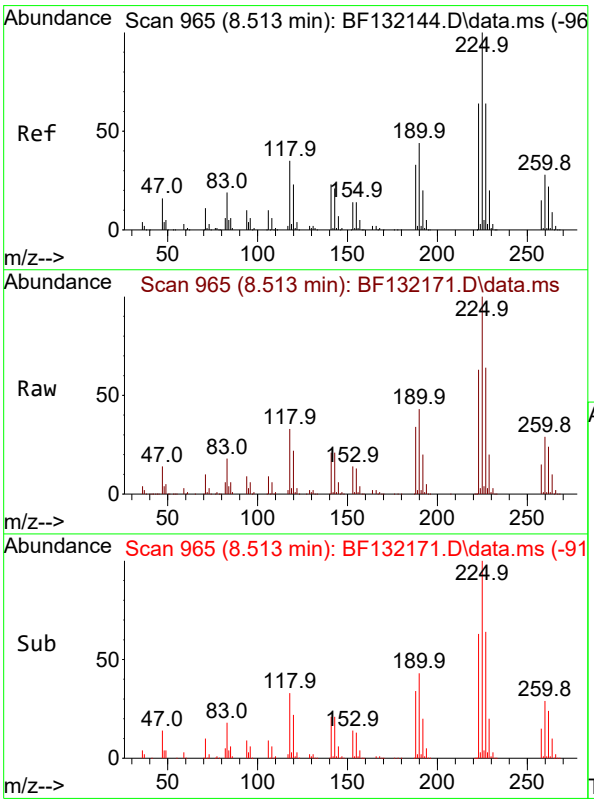


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

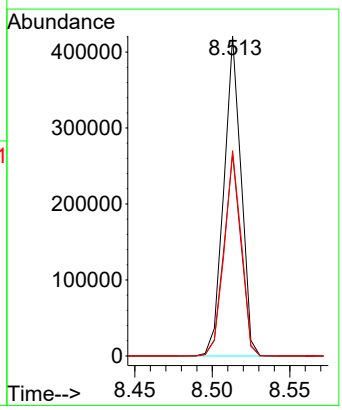
Supervised By :Jagrut Upadhyay
01/23/2023

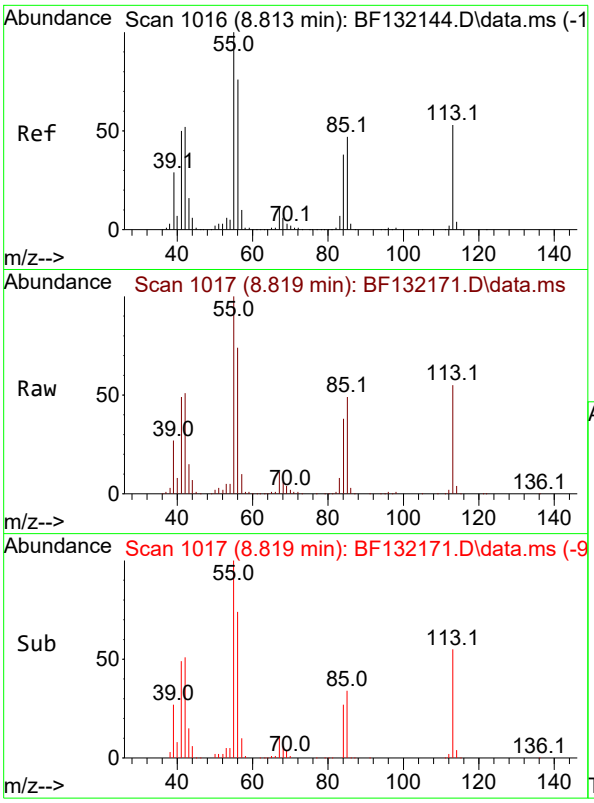


#34
Hexachlorobutadiene
Concen: 41.776 ng
RT: 8.513 min Scan# 965
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:225 Resp: 325291

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.9	76.3
227	64.2	50.8	76.2

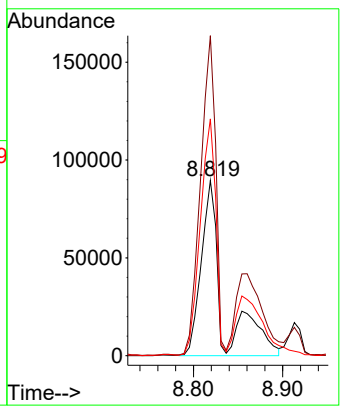




#35
Caprolactam
Concen: 51.751 ng m
RT: 8.819 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:113 Resp: 14976

Ion	Ratio	Lower	Upper
113	100		
55	182.6	167.5	207.5
56	135.1	122.0	162.0

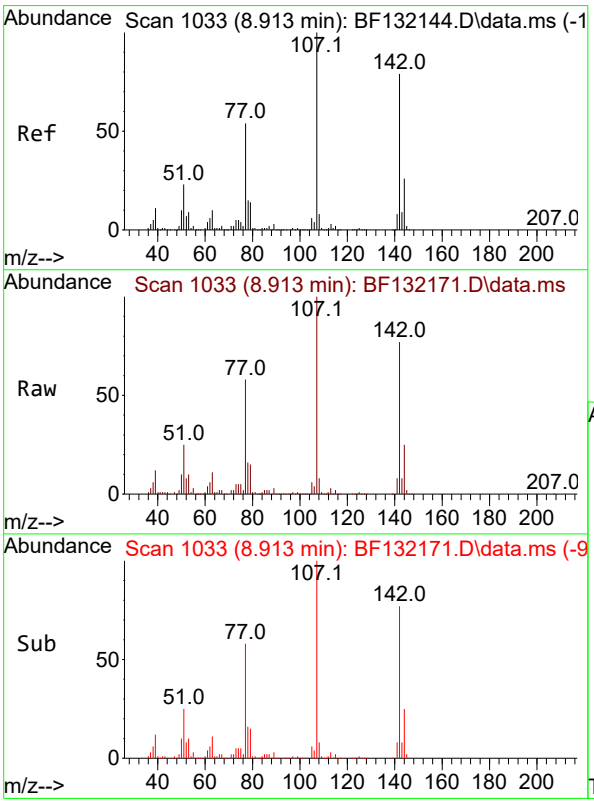


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo
01/23/2023

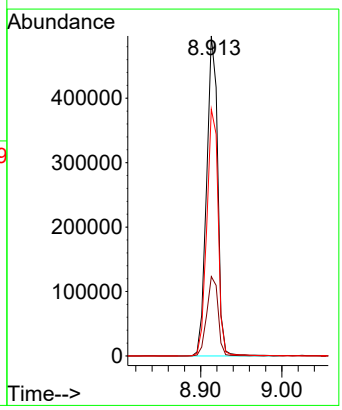
Supervised By :Jagrut Upadhyay
01/23/2023

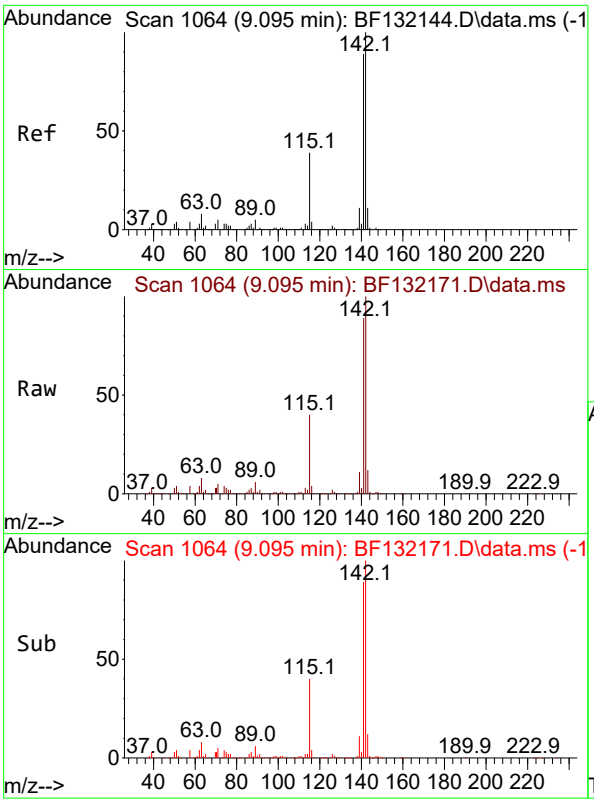


#36
4-Chloro-3-methylphenol
Concen: 45.831 ng
RT: 8.913 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:107 Resp: 470663

Ion	Ratio	Lower	Upper
107	100		
144	24.8	21.0	31.4
142	77.1	63.6	95.4

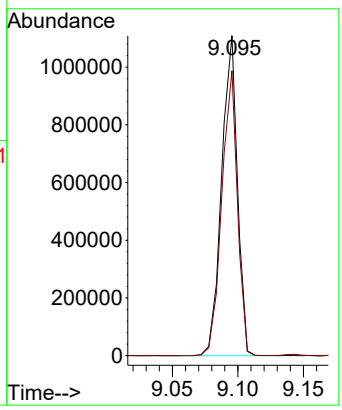




#37
2-Methylnaphthalene
Concen: 38.790 ng
RT: 9.095 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:142 Resp: 92507

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.1	106.7

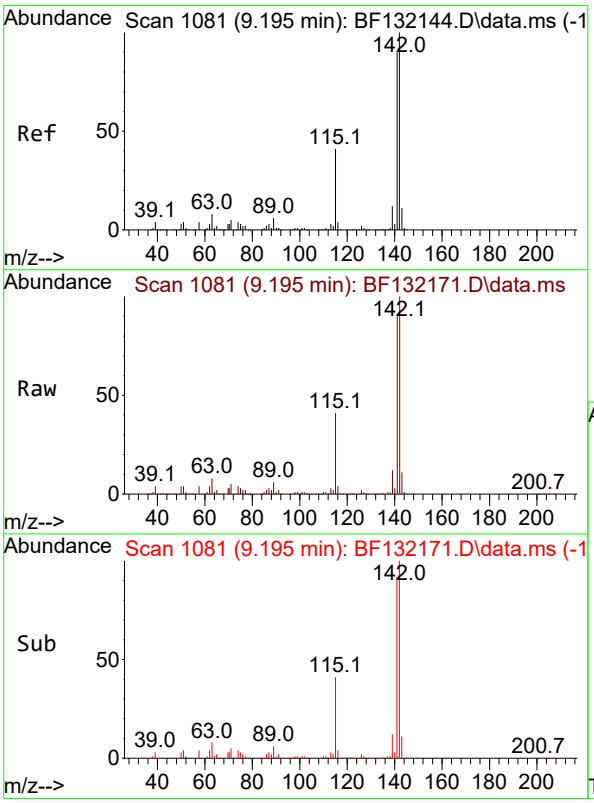


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

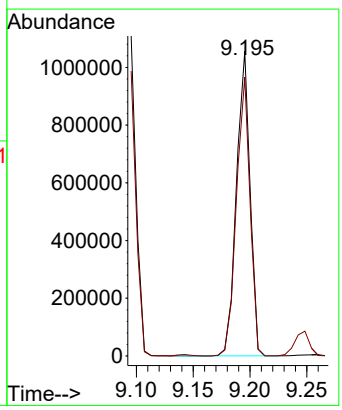
Supervised By :Jagrut Upadhyay
01/23/2023

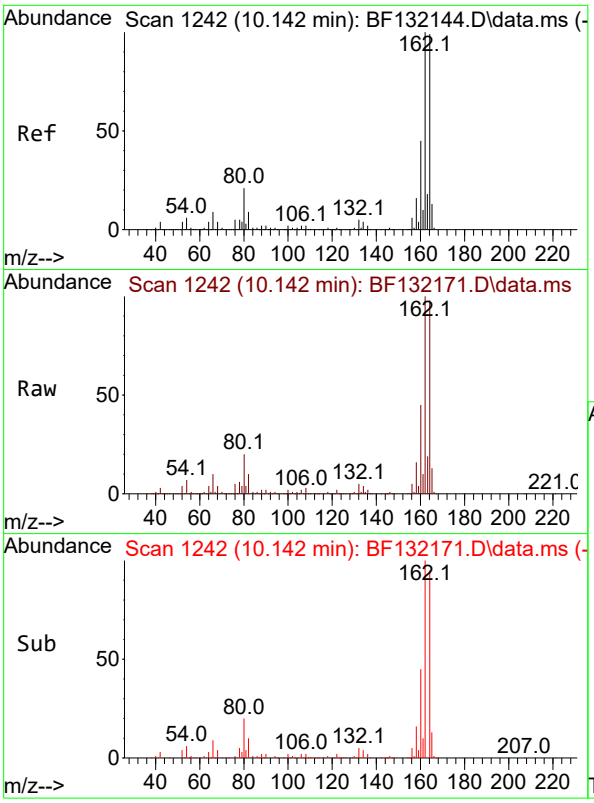


#38
1-Methylnaphthalene
Concen: 39.527 ng
RT: 9.195 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:142 Resp: 877096

Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.1	108.1

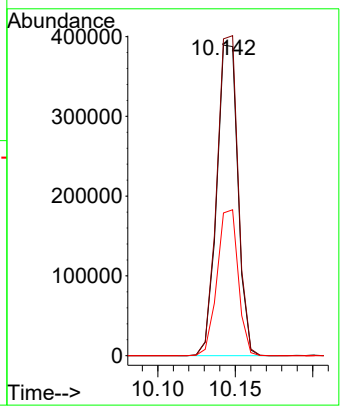




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.142 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:164 Resp: 36904

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.2	121.8
160	46.0	36.9	55.3

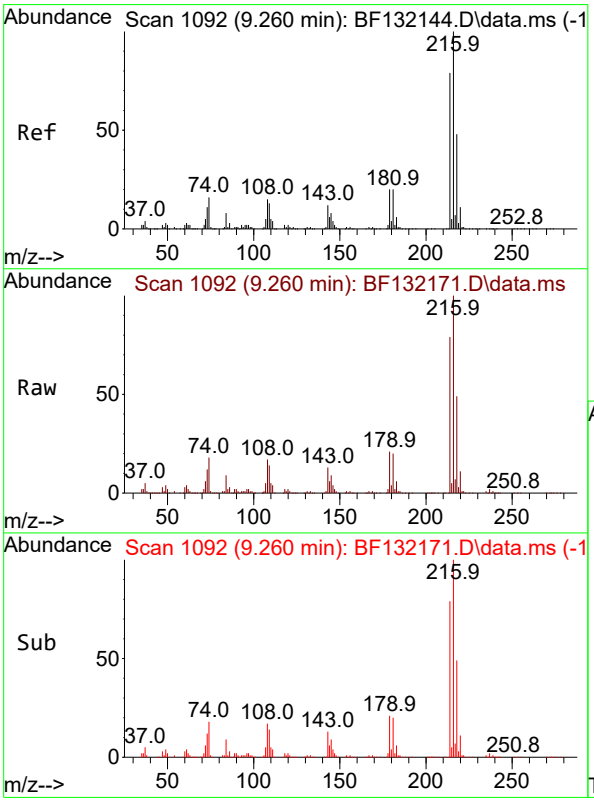


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

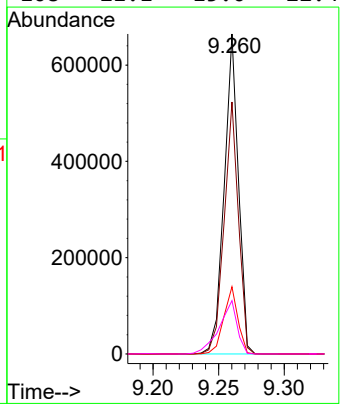
Supervised By :Jagrut Upadhyay
01/23/2023

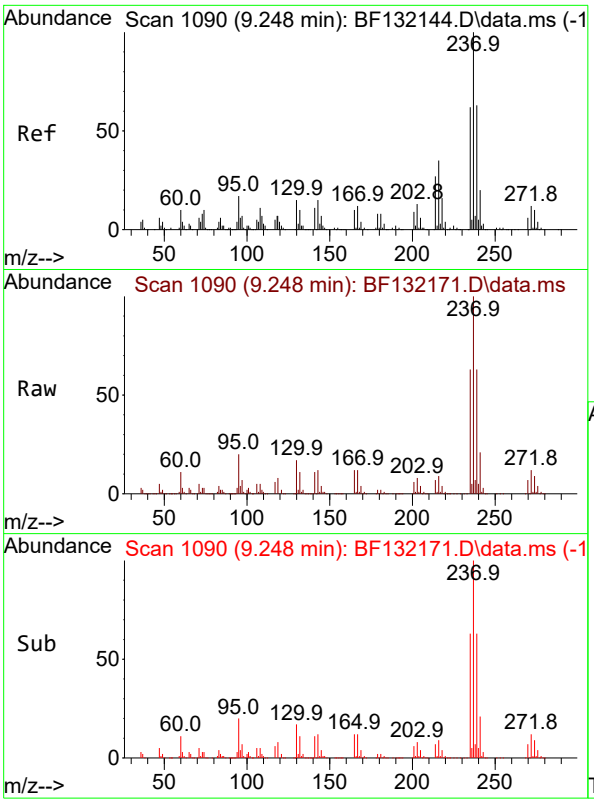


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.012 ng
RT: 9.260 min Scan# 1092
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:216 Resp: 500922

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.1	94.7
179	20.9	16.6	24.8
108	21.1	15.0	22.4

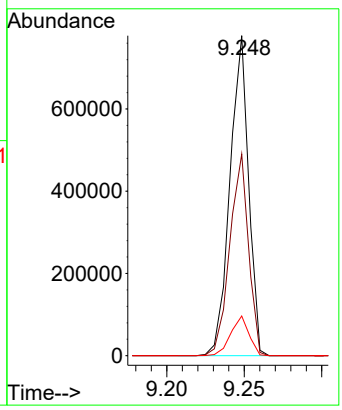




#41
Hexachlorocyclopentadiene
Concen: 92.788 ng
RT: 9.248 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:237 Resp: 65014

Ion	Ratio	Lower	Upper
237	100		
235	63.0	41.7	81.7
272	12.4	0.0	32.3

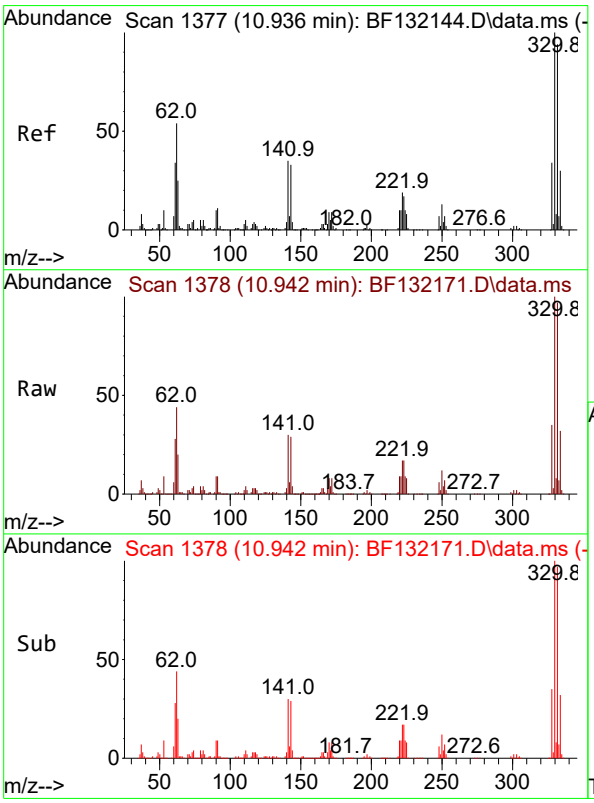


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

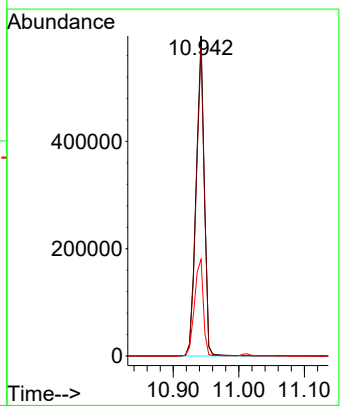
Supervised By :Jagrut Upadhyay
01/23/2023

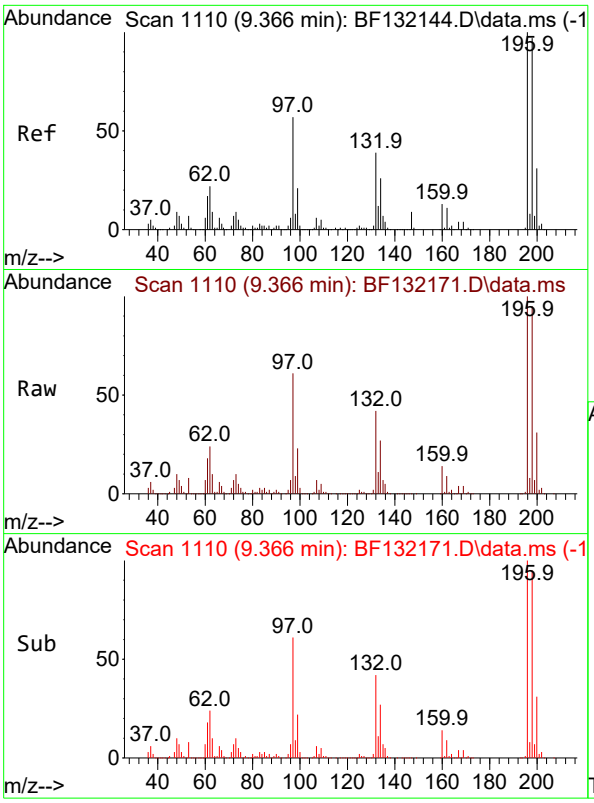


#42
2,4,6-Tribromophenol
Concen: 131.484 ng
RT: 10.942 min Scan# 1378
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:330 Resp: 518300

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.6	113.4
141	32.6	27.1	40.7

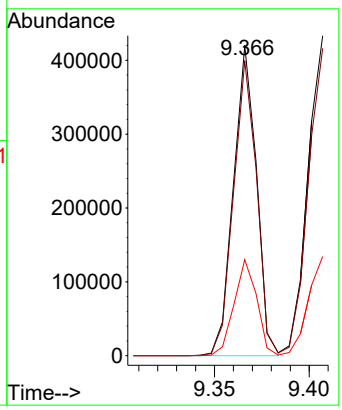




#43
2,4,6-Trichlorophenol
Concen: 44.387 ng
RT: 9.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:196 Resp: 35371

Ion	Ratio	Lower	Upper
196	100		
198	95.1	77.4	116.2
200	31.0	24.9	37.3

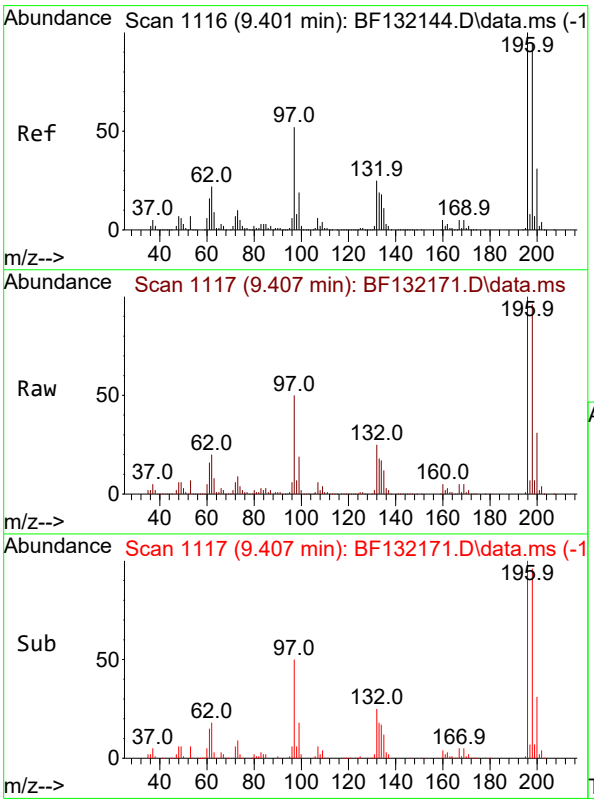


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

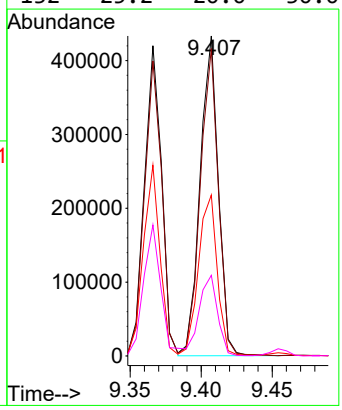
Supervised By :Jagrut Upadhyay
01/23/2023

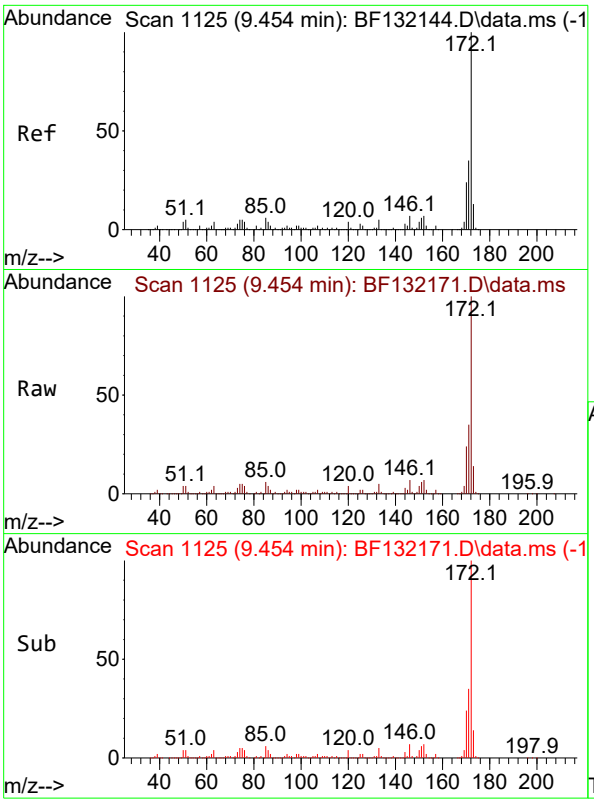


#44
2,4,5-Trichlorophenol
Concen: 41.518 ng
RT: 9.407 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:196 Resp: 386938

Ion	Ratio	Lower	Upper
196	100		
198	96.1	75.3	112.9
97	50.3	41.3	61.9
132	25.2	20.0	30.0

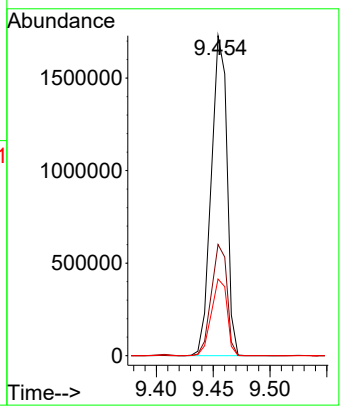




#45
2-Fluorobiphenyl
Concen: 65.701 ng
RT: 9.454 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:172 Resp: 165932

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.2
170	24.0	19.6	29.4

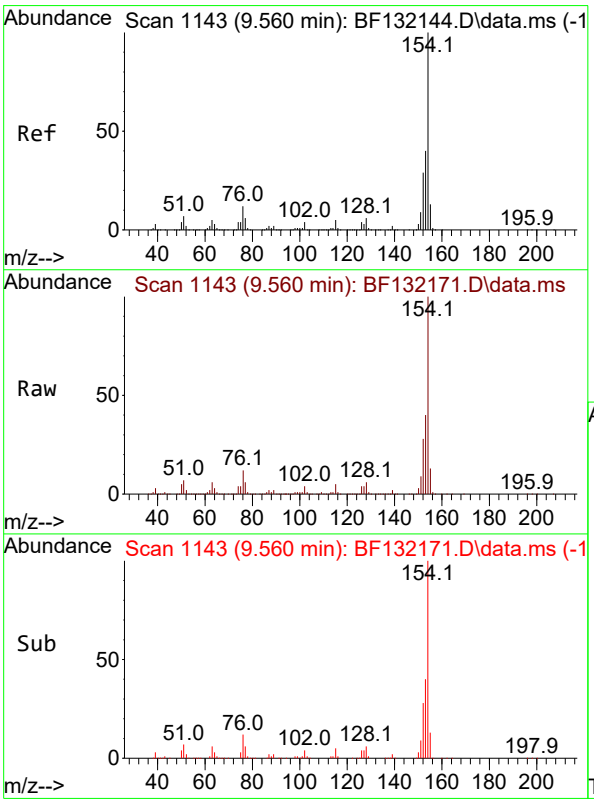


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

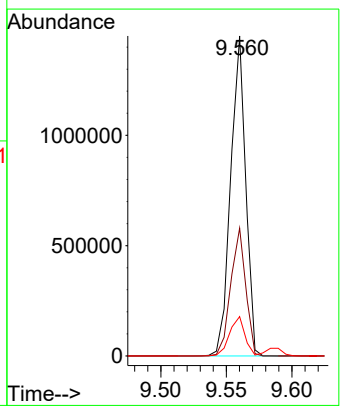
Supervised By :Jagrut Upadhyay
01/23/2023

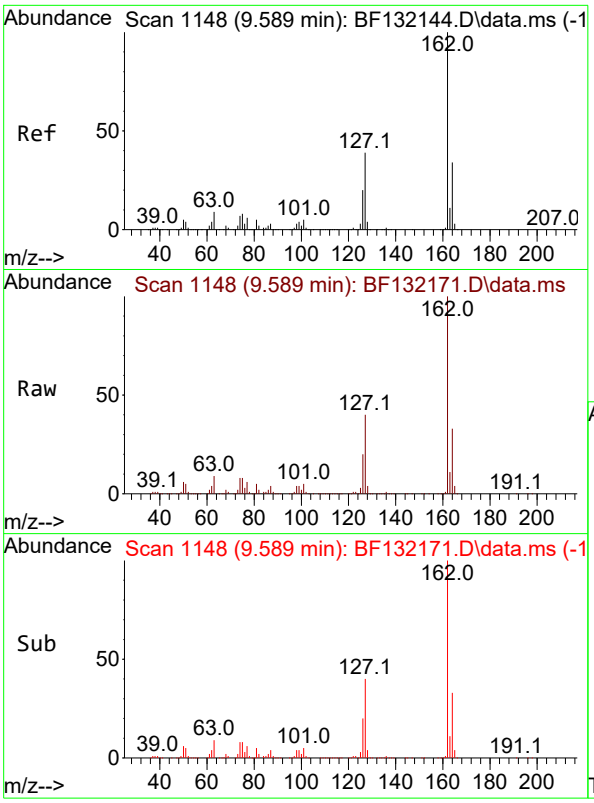


#46
1,1'-Biphenyl
Concen: 39.762 ng
RT: 9.560 min Scan# 1143
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:154 Resp: 1157682

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.2	60.2
76	12.3	0.0	32.2

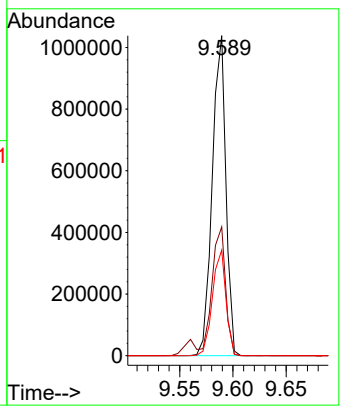




#47
2-Chloronaphthalene
Concen: 41.075 ng
RT: 9.589 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:162 Resp: 92447

Ion	Ratio	Lower	Upper
162	100		
127	40.2	31.1	46.7
164	33.0	26.9	40.3

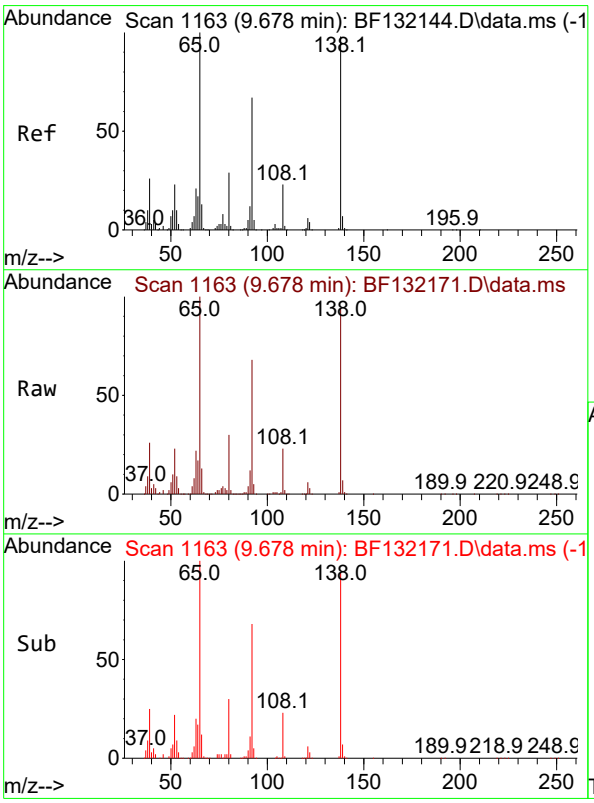


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo
01/23/2023

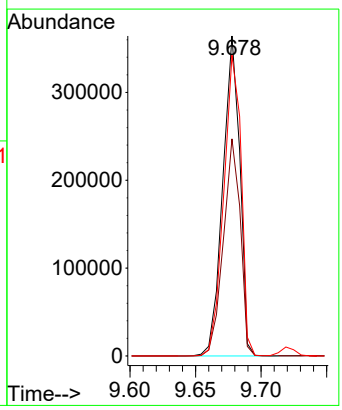
Supervised By :Jagrut Upadhyay
01/23/2023

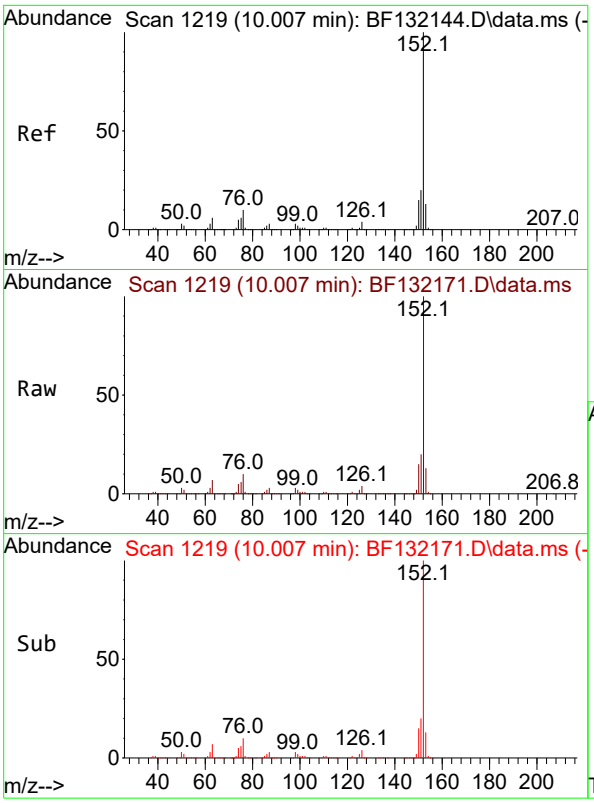


#48
2-Nitroaniline
Concen: 45.547 ng
RT: 9.678 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 65 Resp: 326841

Ion	Ratio	Lower	Upper
65	100		
92	67.8	53.8	80.6
138	94.0	78.7	118.1

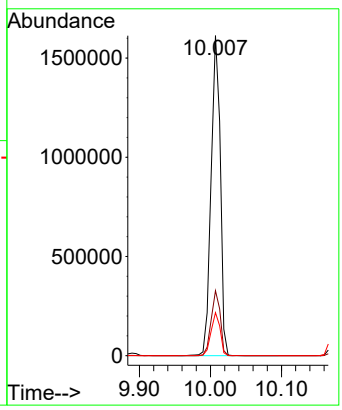




#49
Acenaphthylene
Concen: 40.393 ng
RT: 10.007 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:152 Resp: 145435

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	13.5	10.6	15.8

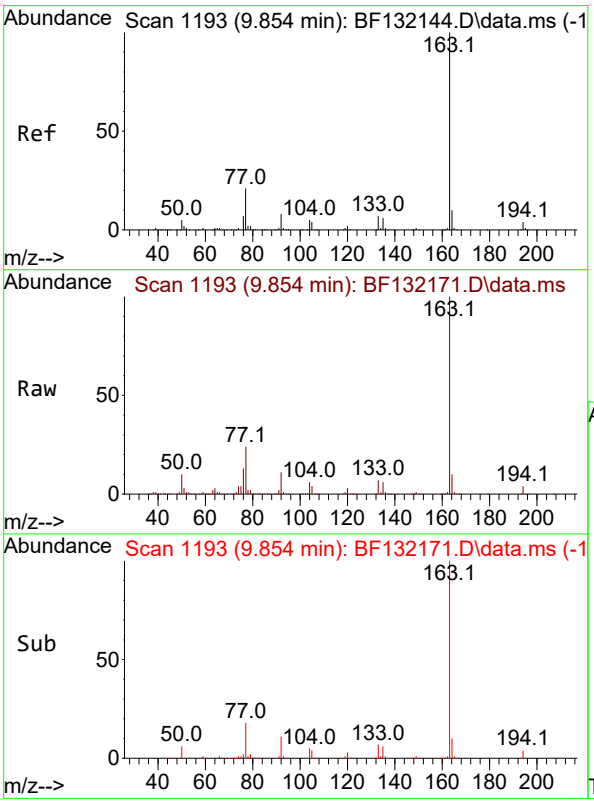


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

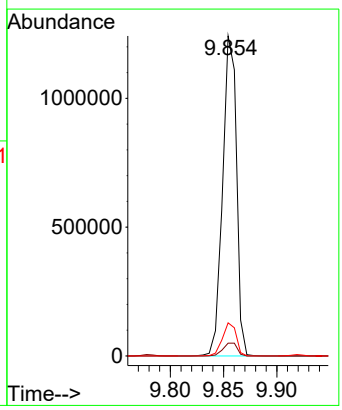
Supervised By :Jagrut Upadhyay
01/23/2023

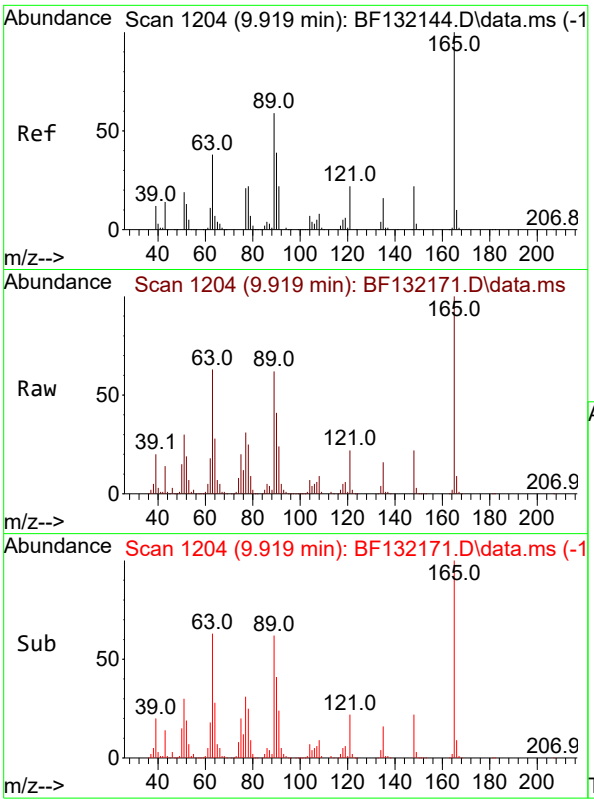


#50
Dimethylphthalate
Concen: 41.987 ng
RT: 9.854 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:163 Resp: 1122254

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.4	8.2	12.2

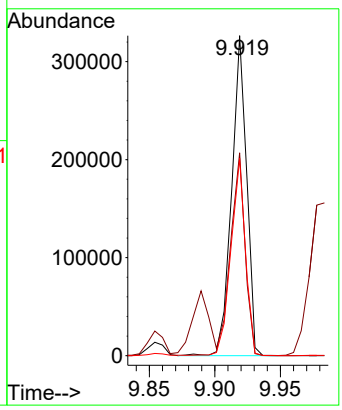




#51
2,6-Dinitrotoluene
Concen: 50.073 ng
RT: 9.919 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:165 Resp: 25940

Ion	Ratio	Lower	Upper
165	100		
63	63.4	46.6	70.0
89	61.7	47.4	71.2

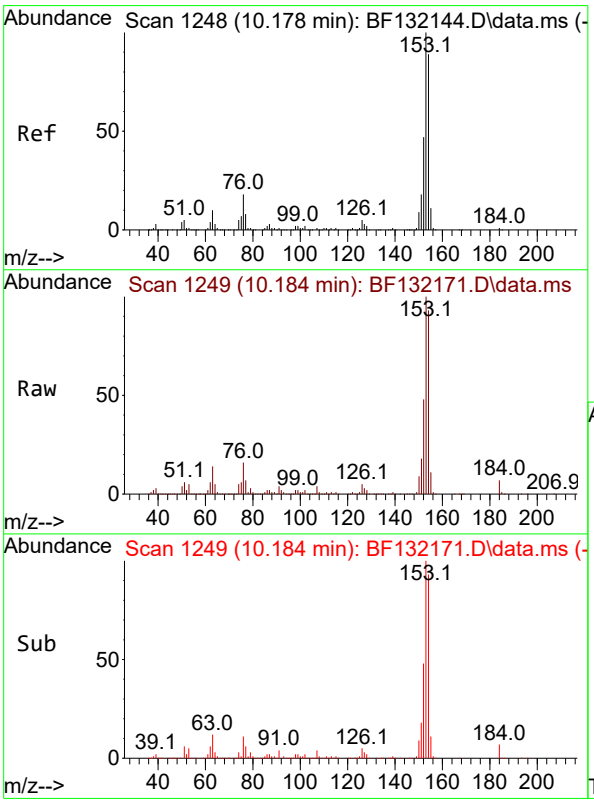


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

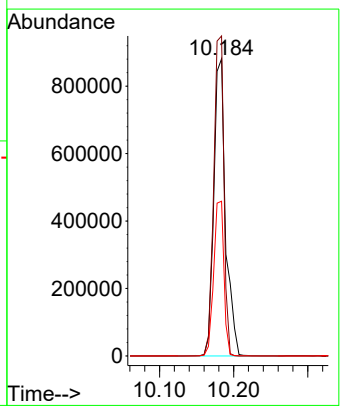
Supervised By :Jagrut Upadhyay
01/23/2023

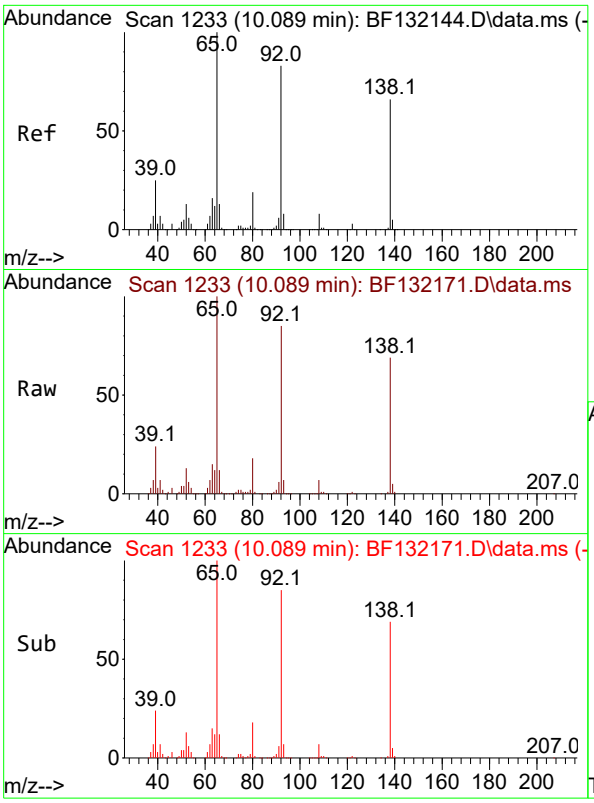


#52
Acenaphthene
Concen: 44.874 ng
RT: 10.184 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:154 Resp: 971821

Ion	Ratio	Lower	Upper
154	100		
153	107.7	89.8	134.8
152	52.1	42.3	63.5

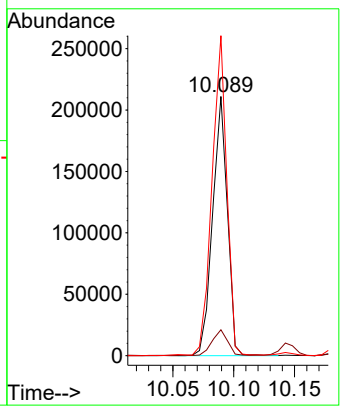




#53
3-Nitroaniline
Concen: 32.234 ng
RT: 10.089 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:138 Resp: 17854

Ion	Ratio	Lower	Upper
138	100		
108	10.0	9.1	13.7
92	123.4	101.2	151.8

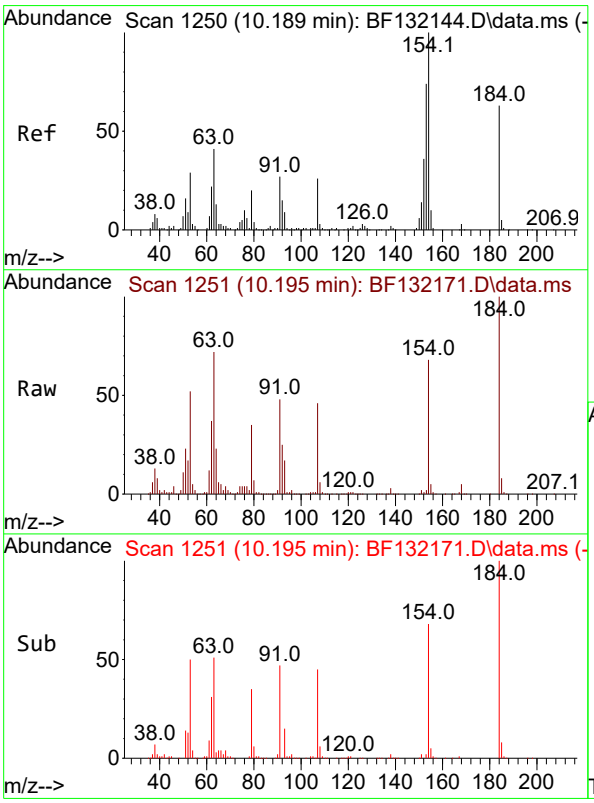


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

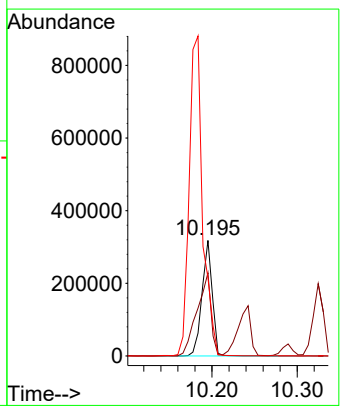
Supervised By :Jagrut Upadhyay
01/23/2023

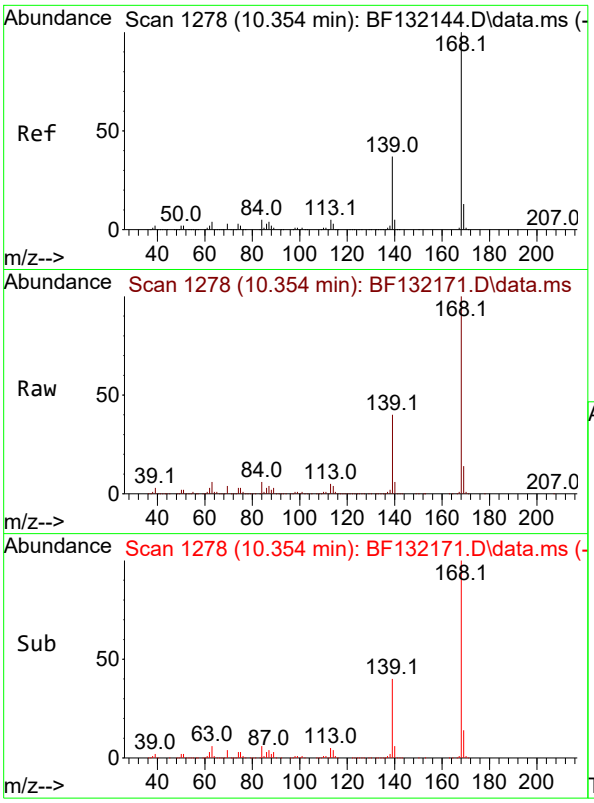


#54
2,4-Dinitrophenol
Concen: 108.068 ng
RT: 10.195 min Scan# 1251
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:184 Resp: 266056

Ion	Ratio	Lower	Upper
184	100		
63	72.0	53.2	79.8
154	67.6	129.4	194.0#

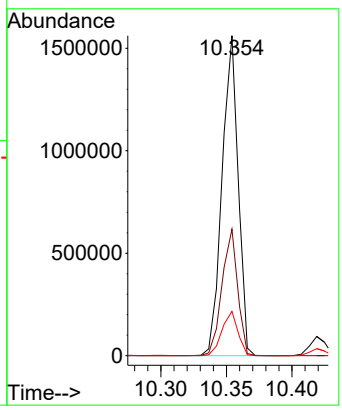




#55
Dibenzofuran
Concen: 39.654 ng
RT: 10.354 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:168 Resp: 132716

Ion	Ratio	Lower	Upper
168	100		
139	39.5	29.8	44.8
169	13.8	10.3	15.5

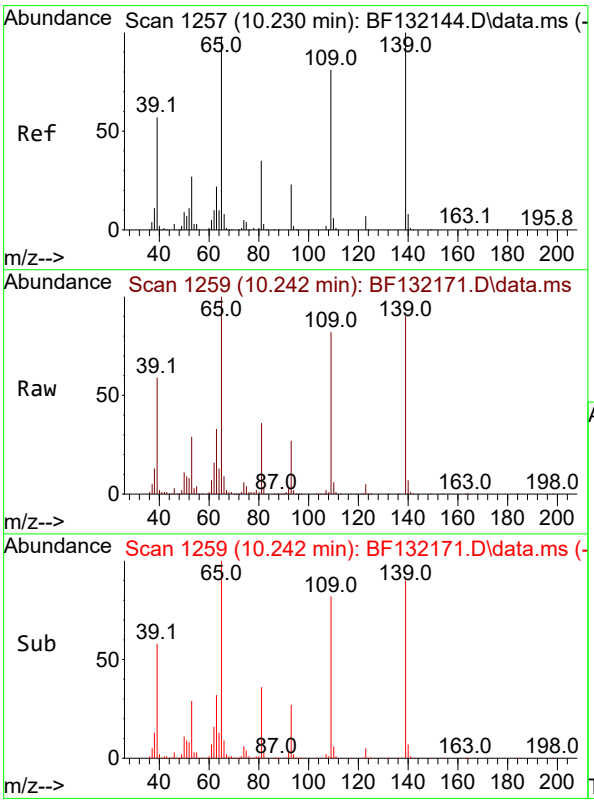


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

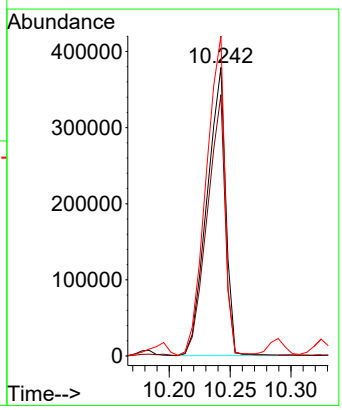
Supervised By :Jagrut Upadhyay
01/23/2023

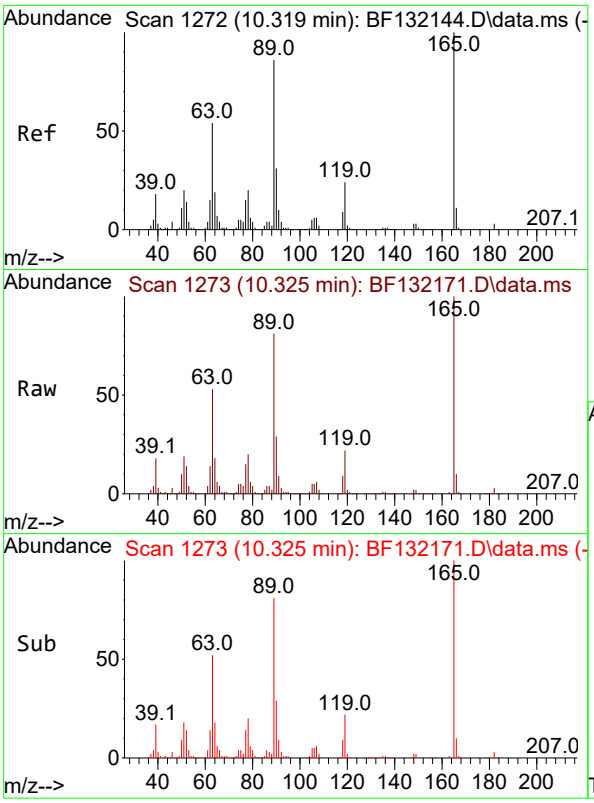


#56
4-Nitrophenol
Concen: 101.031 ng
RT: 10.242 min Scan# 1259
Delta R.T. 0.012 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:139 Resp: 407268

Ion	Ratio	Lower	Upper
139	100		
109	90.6	61.0	101.0
65	110.9	79.3	119.3

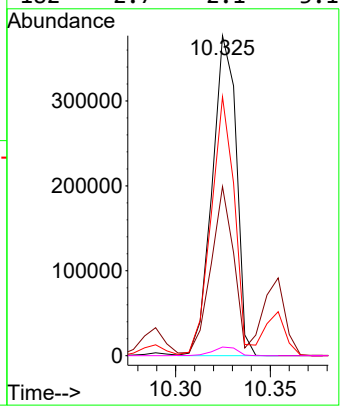




#57
2,4-Dinitrotoluene
Concen: 53.902 ng
RT: 10.325 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:165 Resp: 33519

Ion	Ratio	Lower	Upper
165	100		
63	52.9	43.5	65.3
89	80.9	69.0	103.6
182	2.7	2.1	3.1

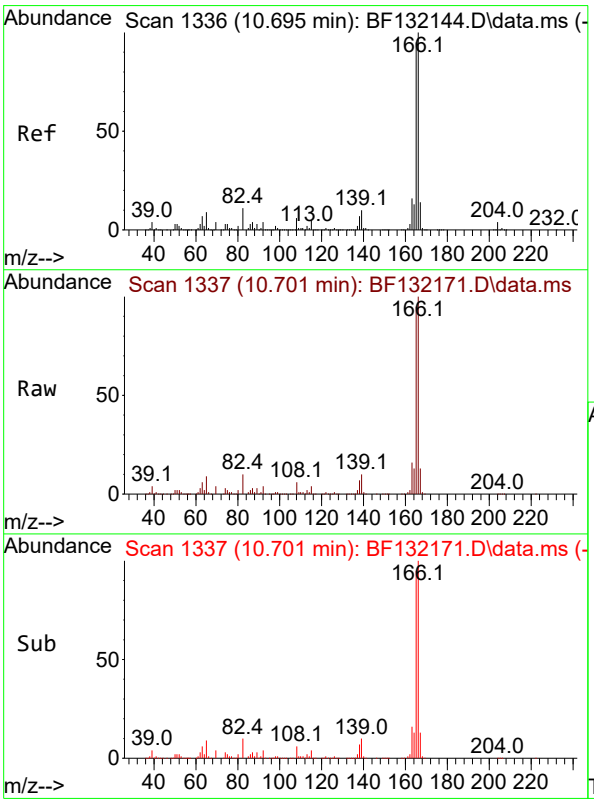


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

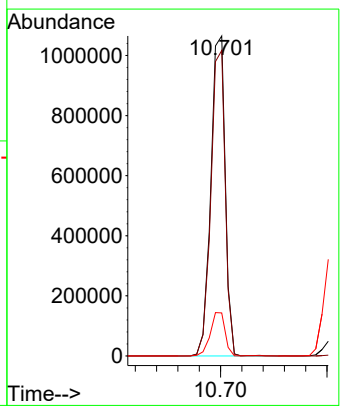
Supervised By :Jagrut Upadhyay
01/23/2023

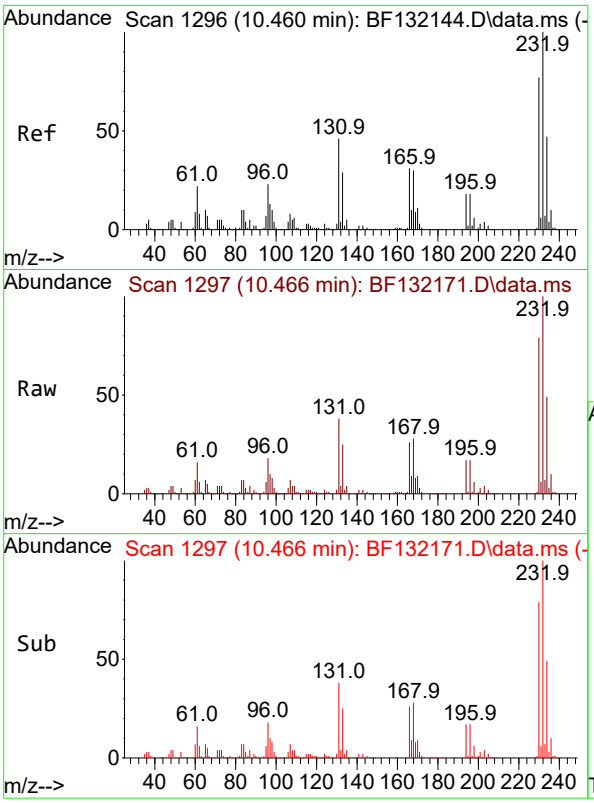


#58
Fluorene
Concen: 40.296 ng
RT: 10.701 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:166 Resp: 999303

Ion	Ratio	Lower	Upper
166	100		
165	95.5	76.4	114.6
167	13.4	11.0	16.4

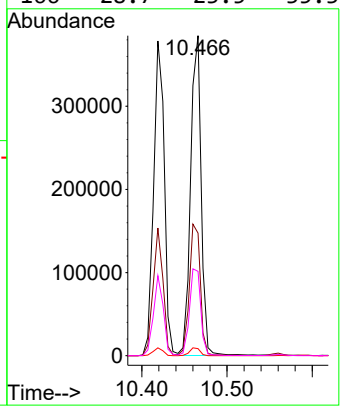




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.622 ng
RT: 10.466 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:232 Resp: 33052

Ion	Ratio	Lower	Upper
232	100		
131	42.5	33.8	50.6
130	2.4	1.9	2.9
166	28.7	23.5	35.3

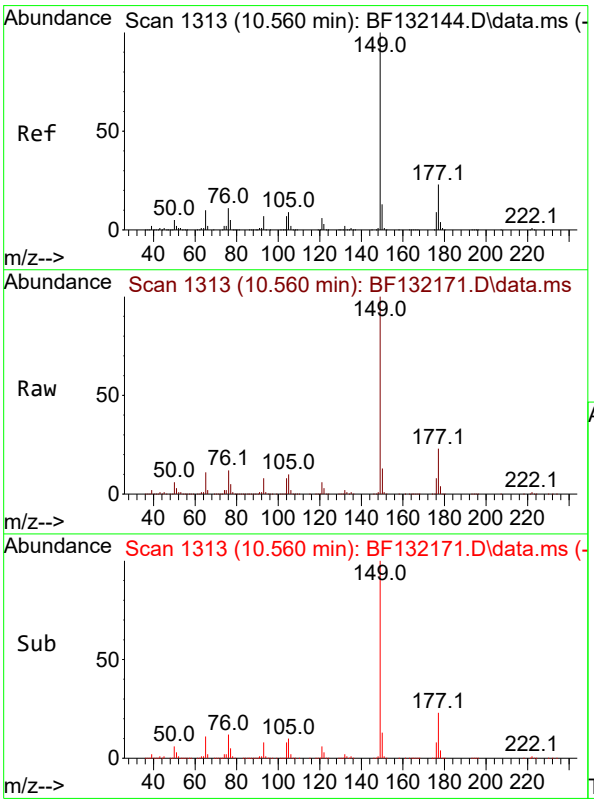


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

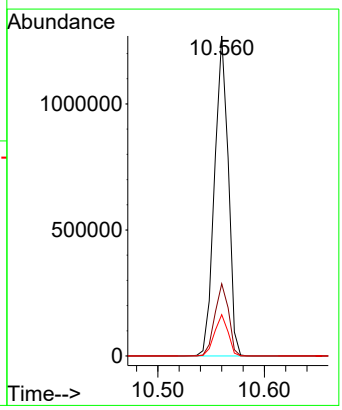
Supervised By :Jagrut Upadhyay
01/23/2023

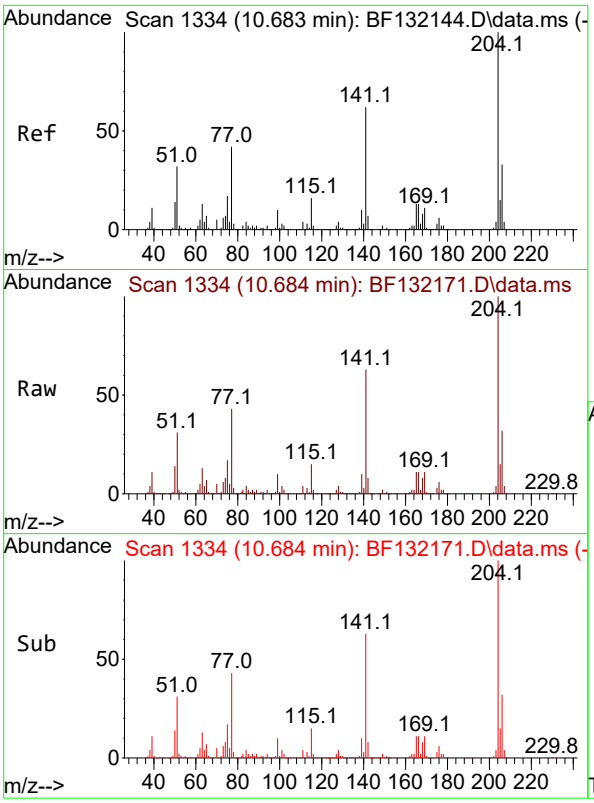


#60
Diethylphthalate
Concen: 43.103 ng
RT: 10.560 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:149 Resp: 1129768

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.4	27.6
150	12.9	10.1	15.1

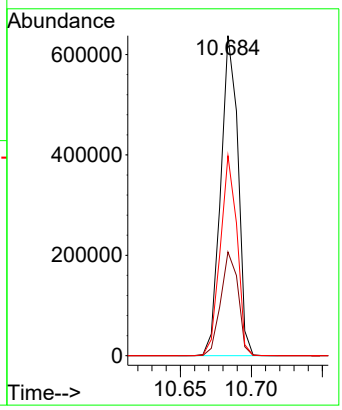




#61
4-Chlorophenyl-phenylether
Concen: 40.317 ng
RT: 10.684 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:204 Resp: 53539

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.4	39.6
141	62.5	49.2	73.8

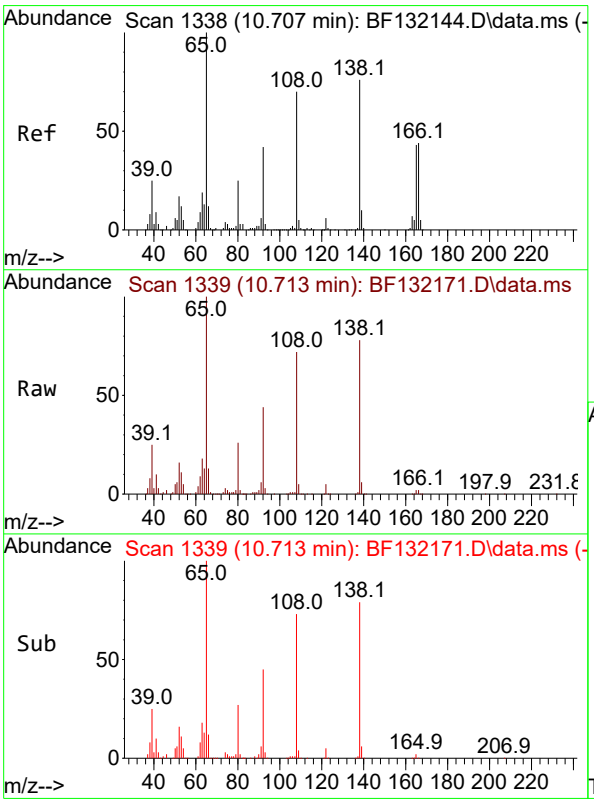


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

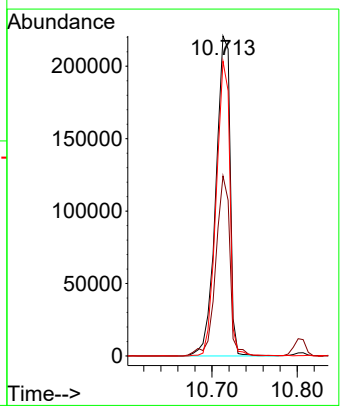
Supervised By :Jagrut Upadhyay
01/23/2023

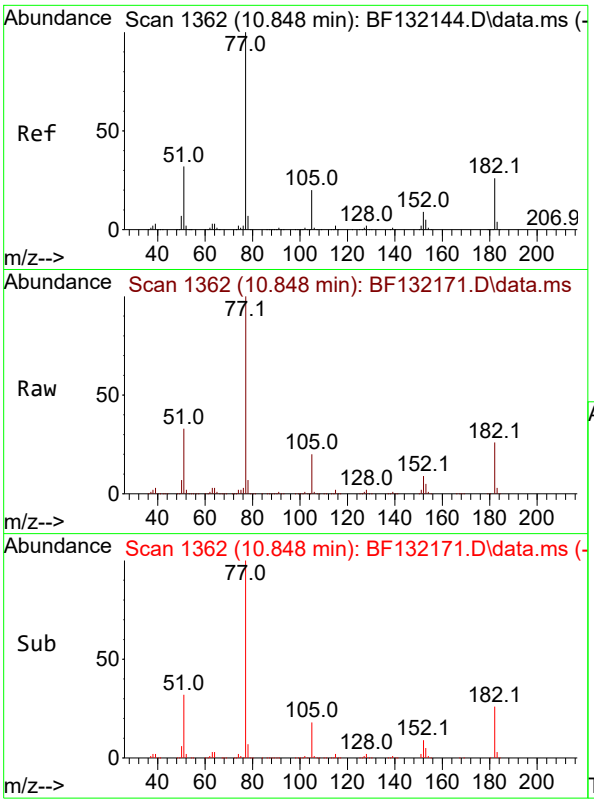


#62
4-Nitroaniline
Concen: 49.898 ng
RT: 10.713 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:138 Resp: 257309

Ion	Ratio	Lower	Upper
138	100		
92	56.2	35.9	75.9
108	92.1	72.0	112.0

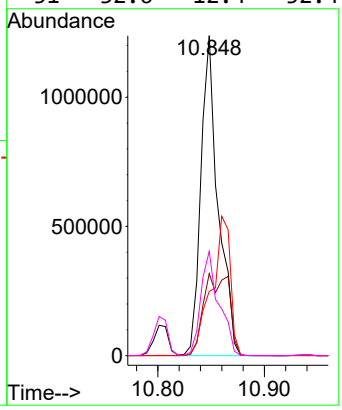




#63
Azobenzene
Concen: 52.965 ng
RT: 10.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion: 77 Resp: 139328

Ion	Ratio	Lower	Upper
77	100		
182	25.7	6.4	46.4
105	20.1	0.0	39.8
51	32.6	12.4	52.4

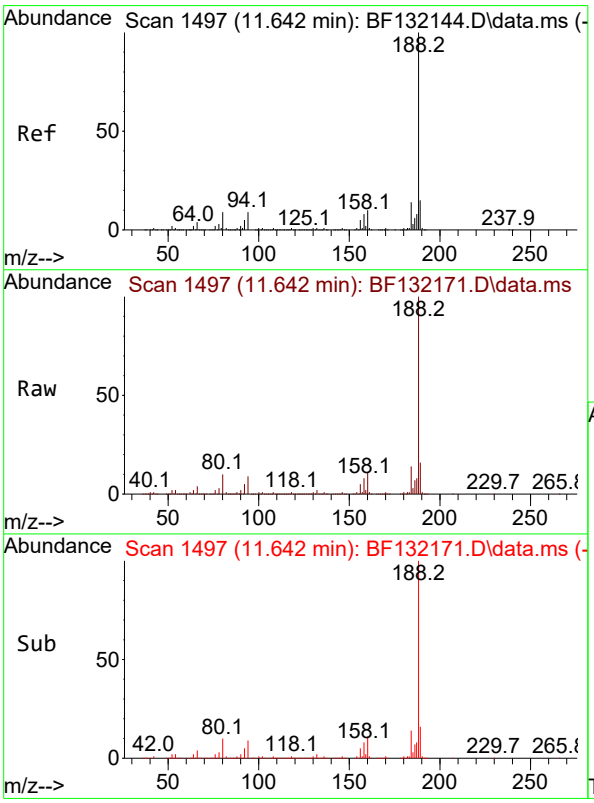


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

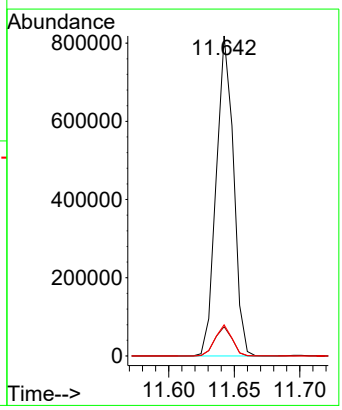
Supervised By :Jagrut Upadhyay
01/23/2023

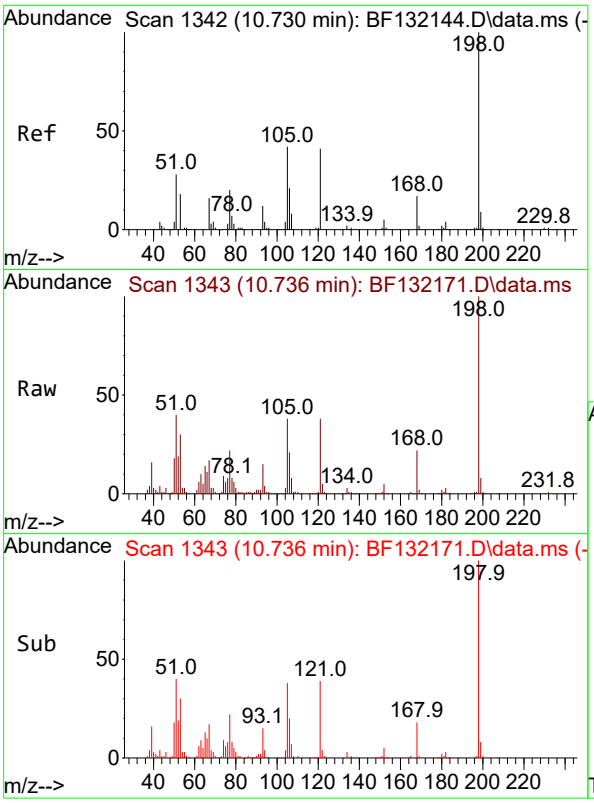


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.642 min Scan# 1497
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:188 Resp: 748390

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.9	10.3
80	9.7	7.5	11.3

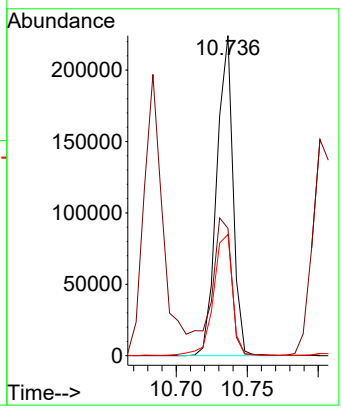




#65
4,6-Dinitro-2-methylphenol
Concen: 48.454 ng
RT: 10.736 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:198 Resp: 17839

Ion	Ratio	Lower	Upper
198	100		
51	39.8	24.3	64.3
105	37.9	23.3	63.3

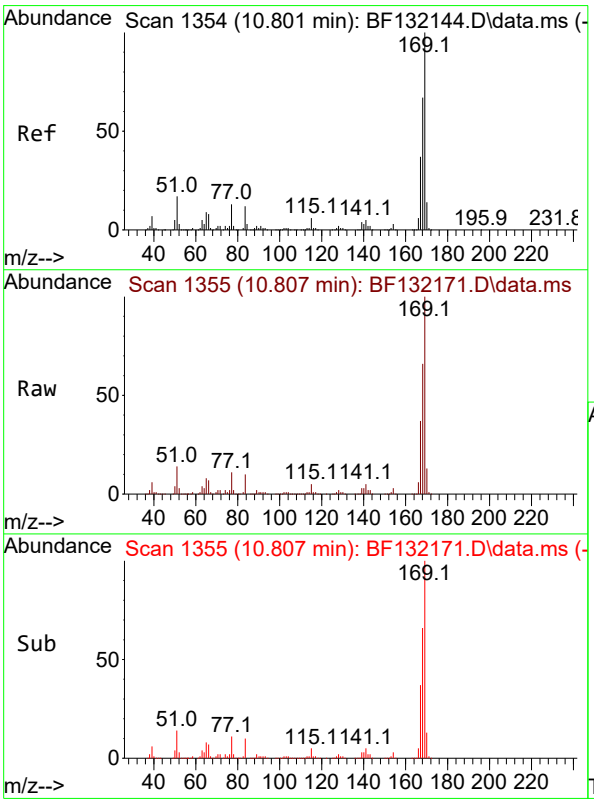


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

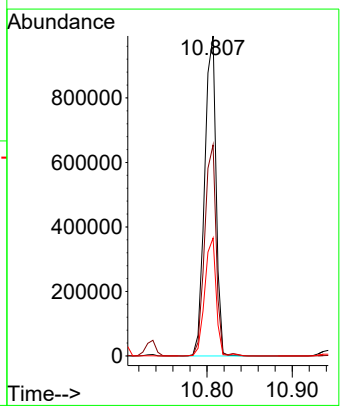
Supervised By :Jagrut Upadhyay
01/23/2023

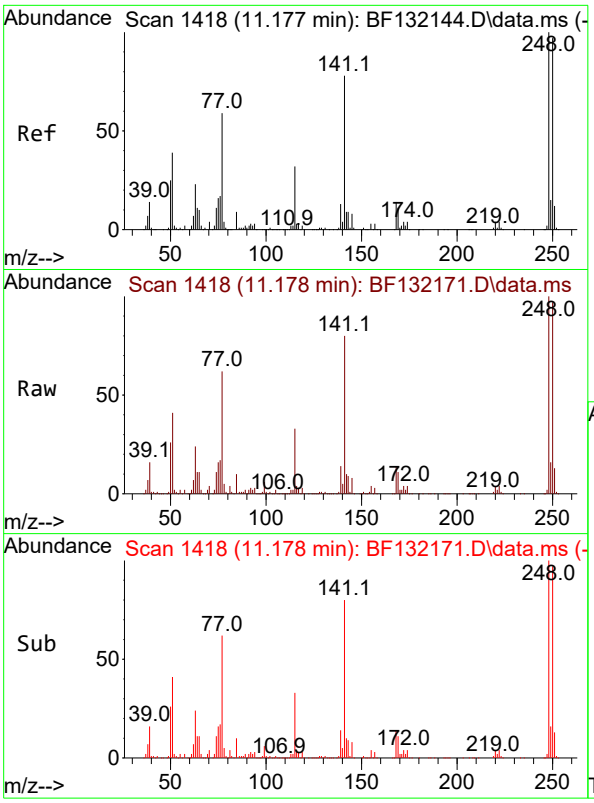


#66
n-Nitrosodiphenylamine
Concen: 38.372 ng
RT: 10.807 min Scan# 1355
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:169 Resp: 919691

Ion	Ratio	Lower	Upper
169	100		
168	65.9	53.4	80.0
167	36.8	29.7	44.5

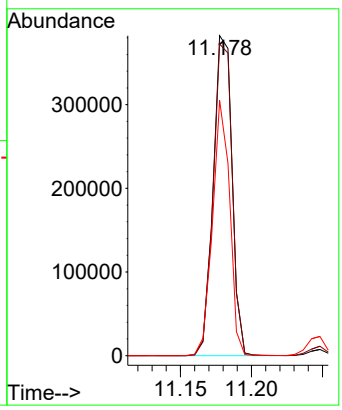




#67
4-Bromophenyl-phenylether
Concen: 38.746 ng
RT: 11.178 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:248 Resp: 35344

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.4	116.0
141	79.8	62.2	93.2

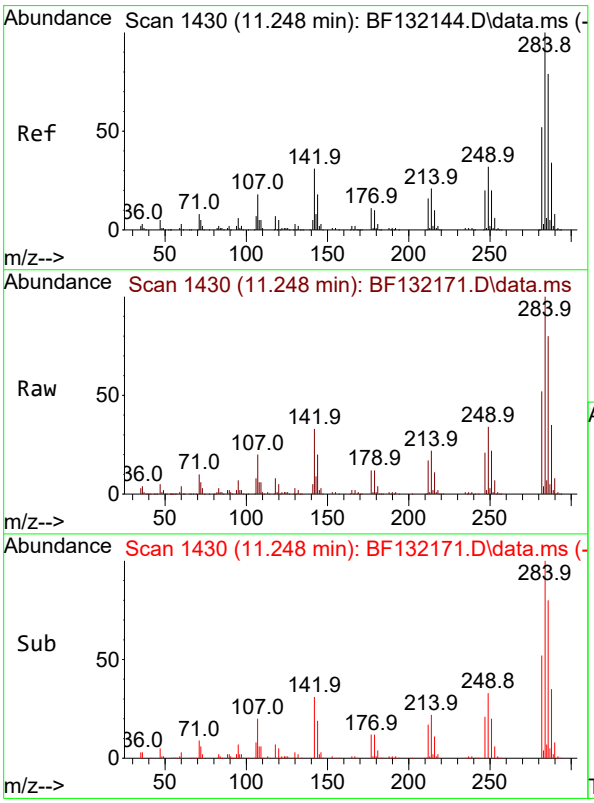


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo
01/23/2023

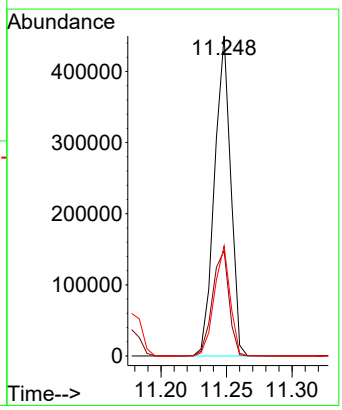
Supervised By :Jagrut Upadhyay
01/23/2023

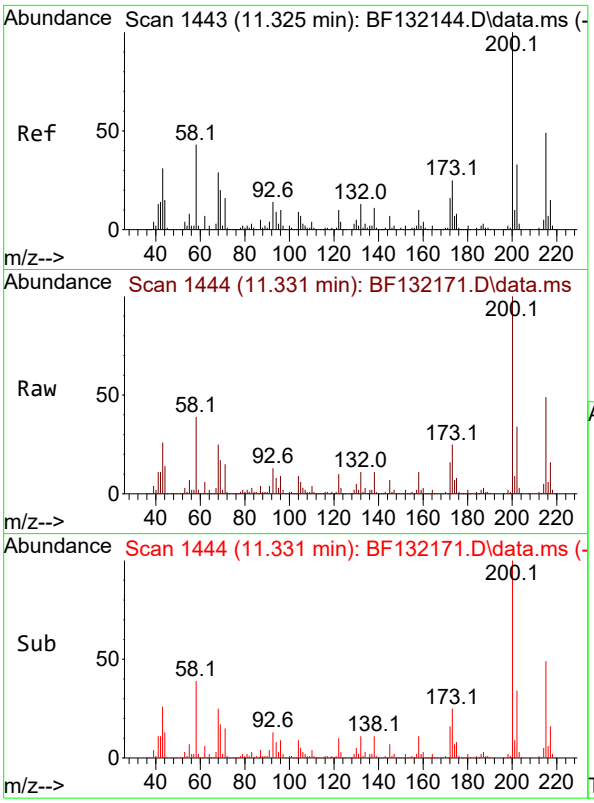


#68
Hexachlorobenzene
Concen: 42.496 ng
RT: 11.248 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:284 Resp: 385274

Ion	Ratio	Lower	Upper
284	100		
142	32.9	24.7	37.1
249	34.4	25.6	38.4

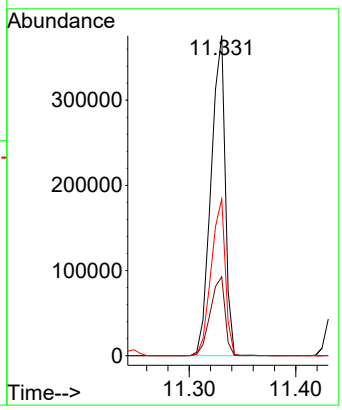




#69
Atrazine
Concen: 46.723 ng
RT: 11.331 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:200 Resp: 34551

Ion	Ratio	Lower	Upper
200	100		
173	24.7	5.0	45.0
215	49.0	28.6	68.6

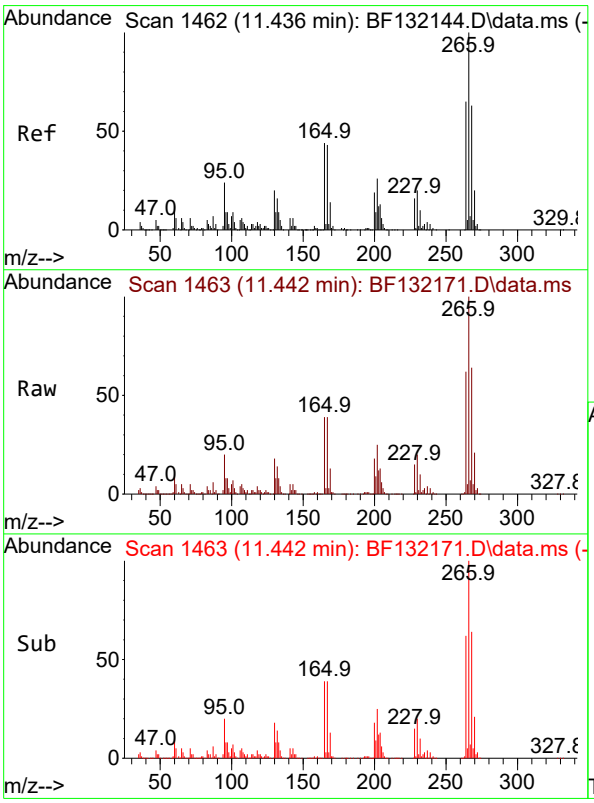


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

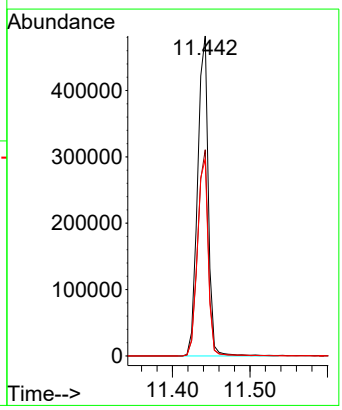
Supervised By :Jagrut Upadhyay
01/23/2023

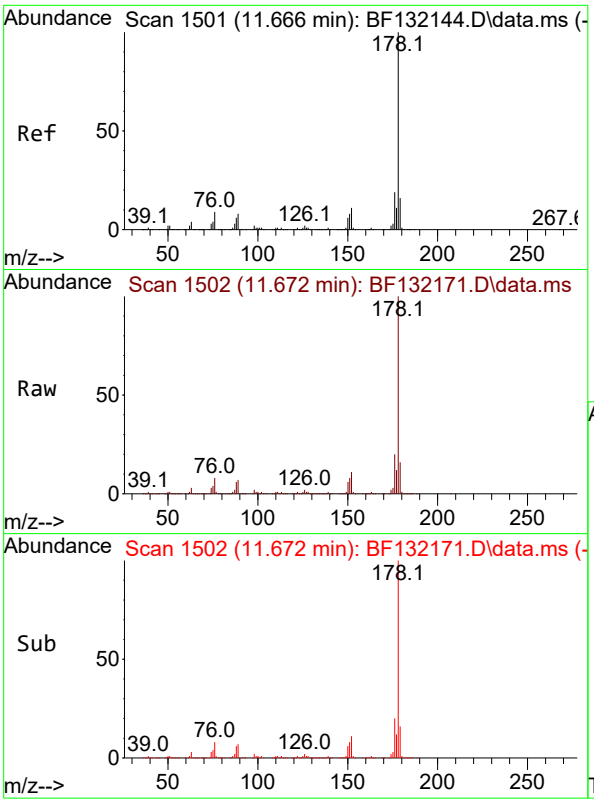


#70
Pentachlorophenol
Concen: 79.097 ng
RT: 11.442 min Scan# 1463
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:266 Resp: 460815

Ion	Ratio	Lower	Upper
266	100		
268	64.5	50.8	76.2
264	61.5	52.3	78.5

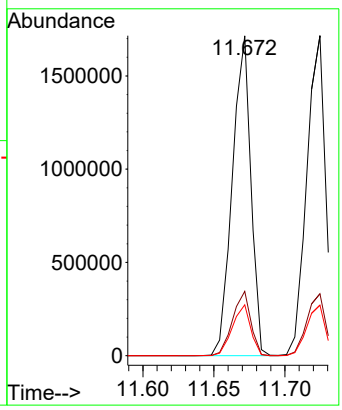




#71
Phenanthrene
Concen: 39.721 ng
RT: 11.672 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:178 Resp: 155999

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.5	23.3
179	15.9	12.6	19.0

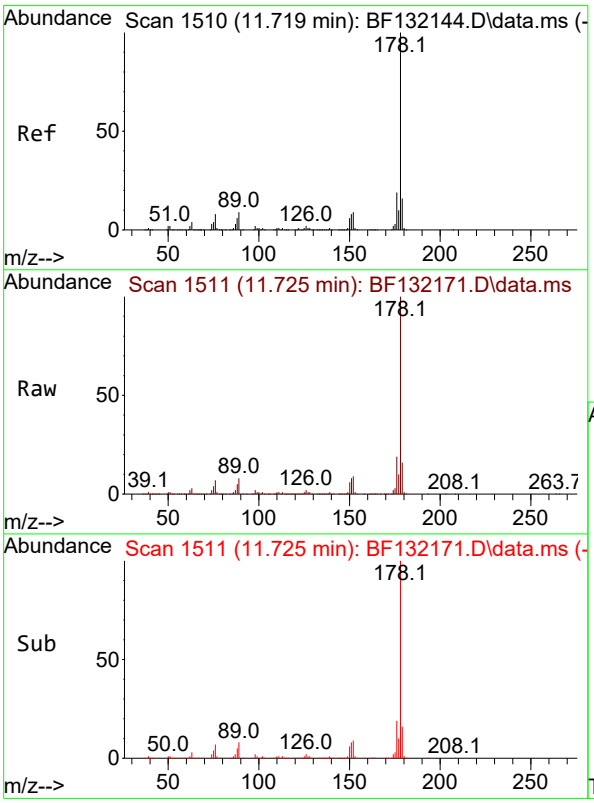


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

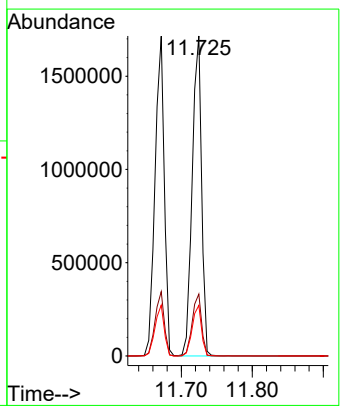
Supervised By :Jagrut Upadhyay
01/23/2023

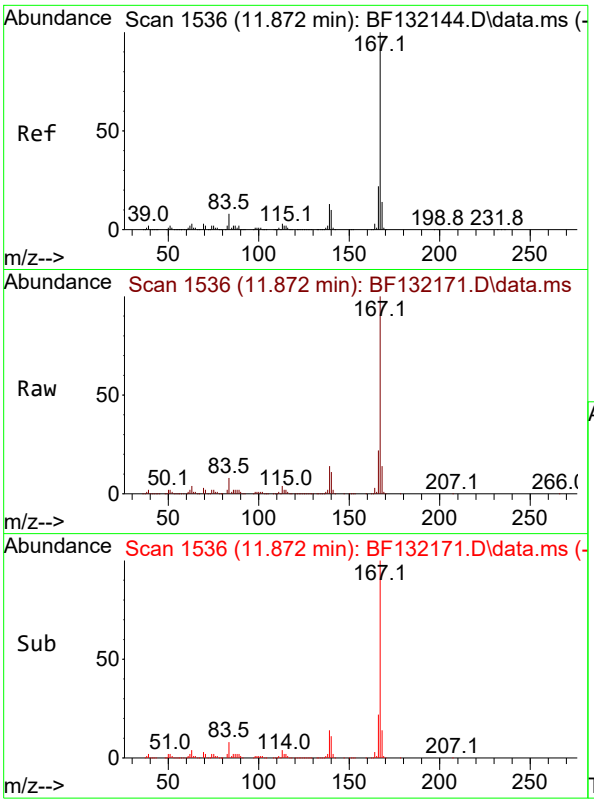


#72
Anthracene
Concen: 39.698 ng
RT: 11.725 min Scan# 1511
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:178 Resp: 1577300

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.8	12.6	18.8

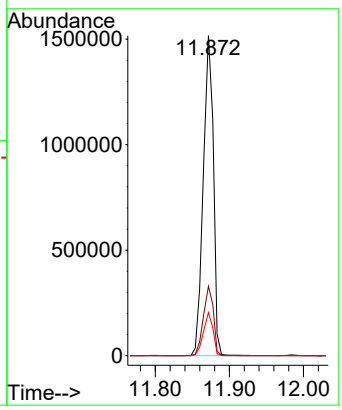




#73
Carbazole
Concen: 42.512 ng
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:167 Resp: 144282

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.7	26.5
139	13.5	10.5	15.7

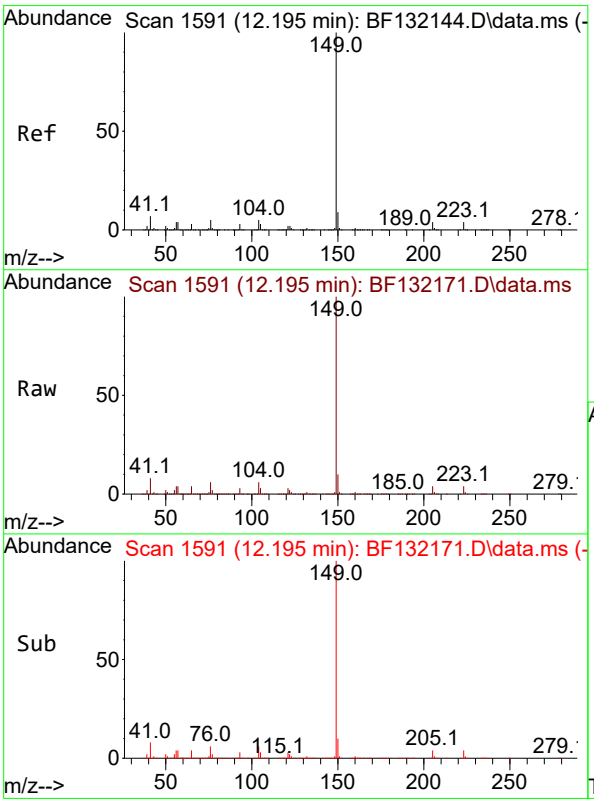


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

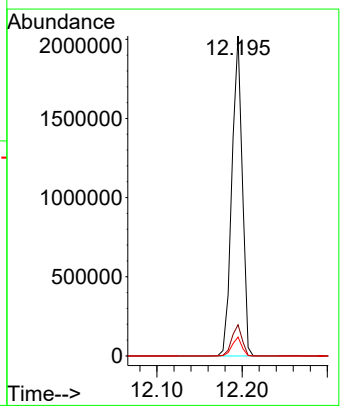
Supervised By :Jagrut Upadhyay
01/23/2023

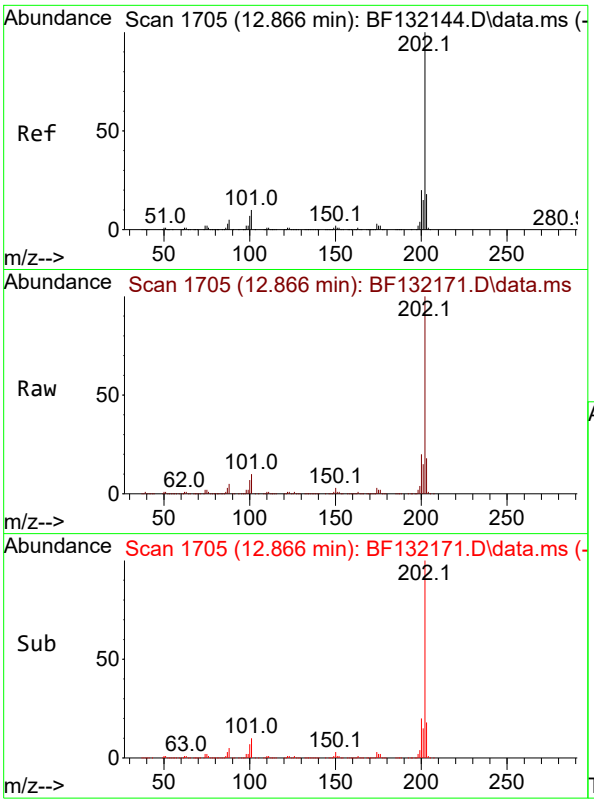


#74
Di-n-butylphthalate
Concen: 45.273 ng
RT: 12.195 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:149 Resp: 1710479

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.5	11.3
104	5.9	4.3	6.5

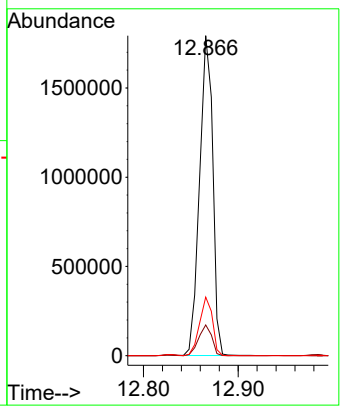




#75
Fluoranthene
Concen: 43.029 ng
RT: 12.866 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:202 Resp: 173588

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.6
203	18.3	0.0	37.9

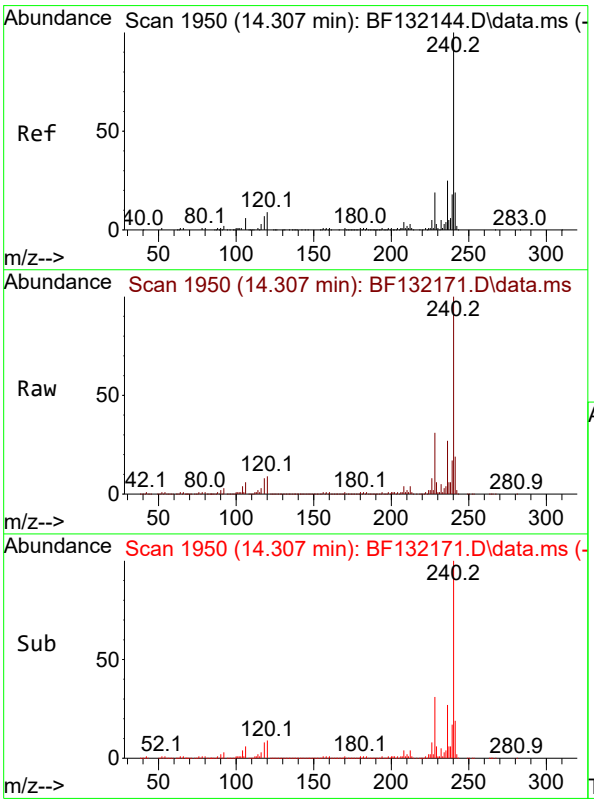


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo
01/23/2023

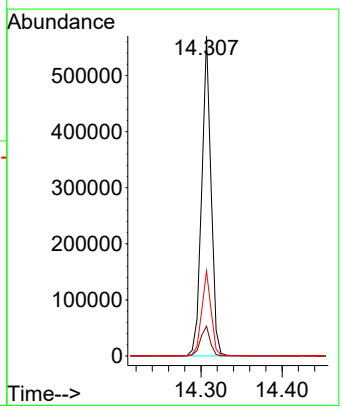
Supervised By :Jagrut Upadhyay
01/23/2023

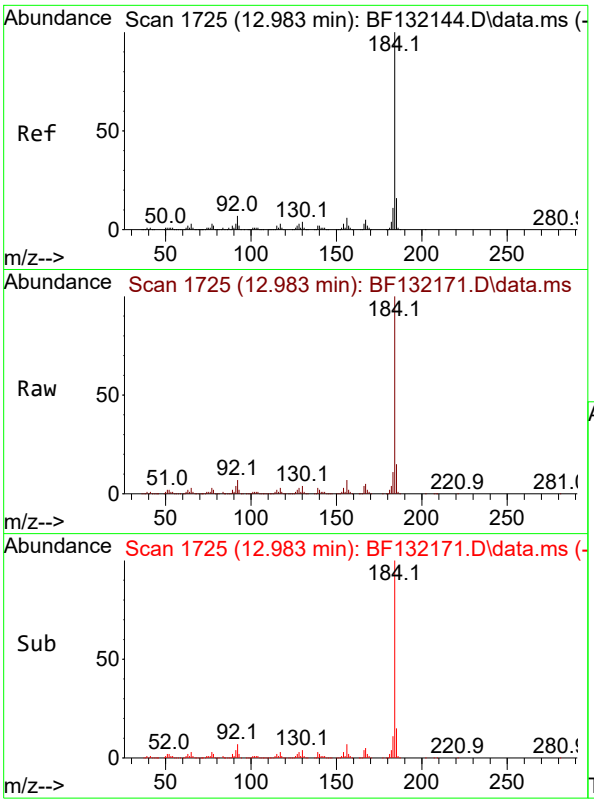


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.307 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:240 Resp: 455426

Ion	Ratio	Lower	Upper
240	100		
120	9.3	6.9	10.3
236	26.6	20.3	30.5

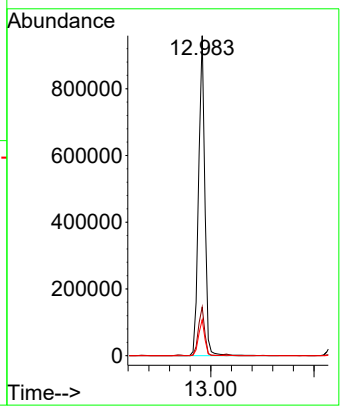




#77
Benzidine
Concen: 58.456 ng
RT: 12.983 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:184 Resp: 79932

Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.5	18.7
183	11.3	9.0	13.4

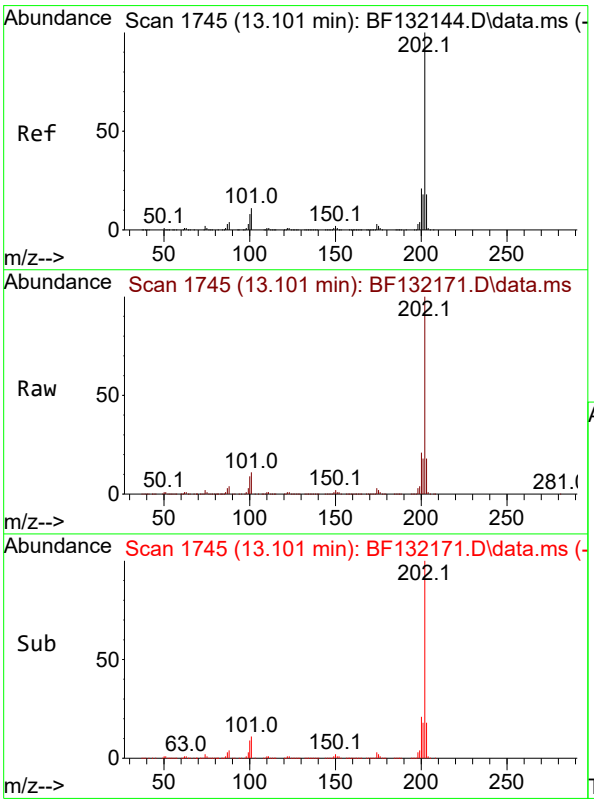


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

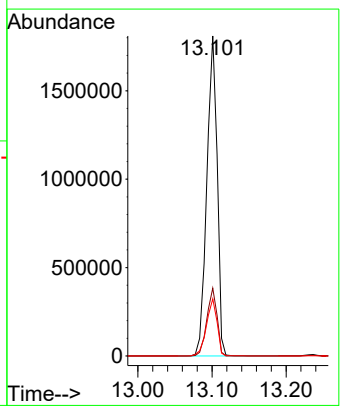
Supervised By :Jagrut Upadhyay
01/23/2023

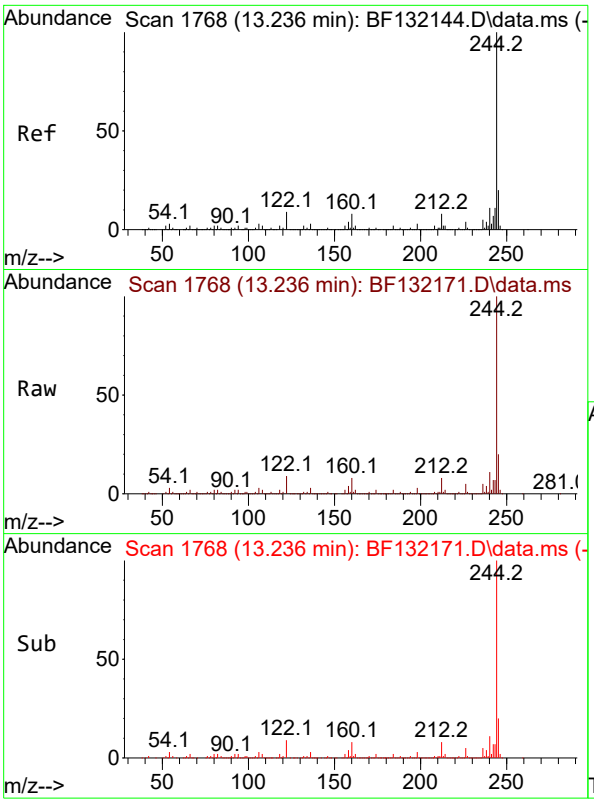


#78
Pyrene
Concen: 41.870 ng
RT: 13.101 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:202 Resp: 1757363

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.8	14.0	21.0

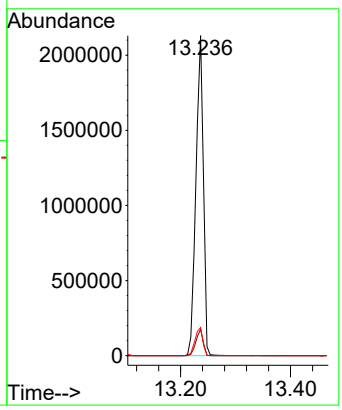




#79
Terphenyl-d14
Concen: 73.630 ng
RT: 13.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:244 Resp: 200184

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.7	10.1
122	8.8	7.4	11.2

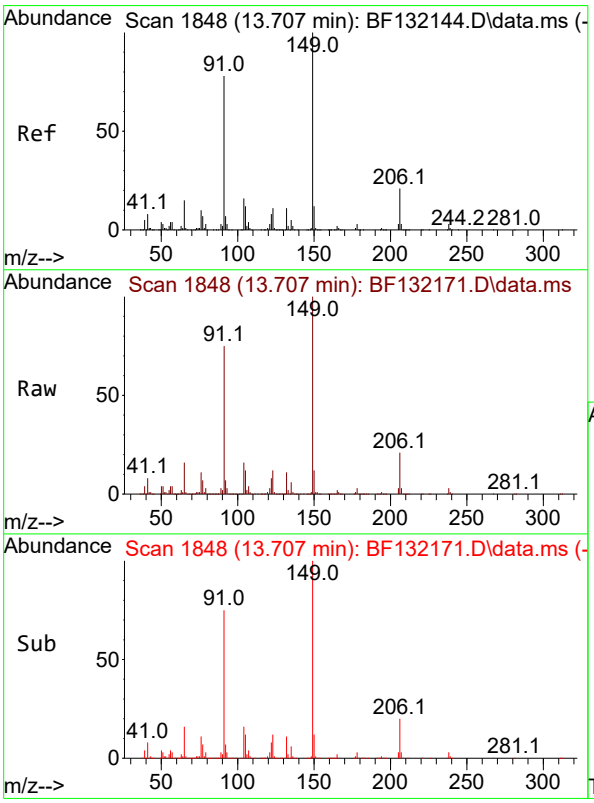


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

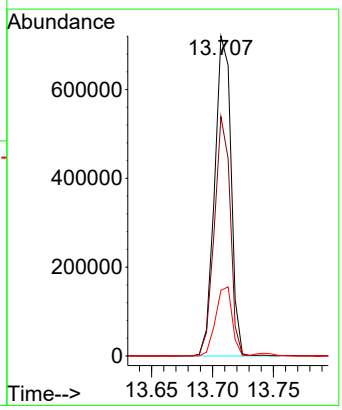
Supervised By :Jagrut Upadhyay
01/23/2023

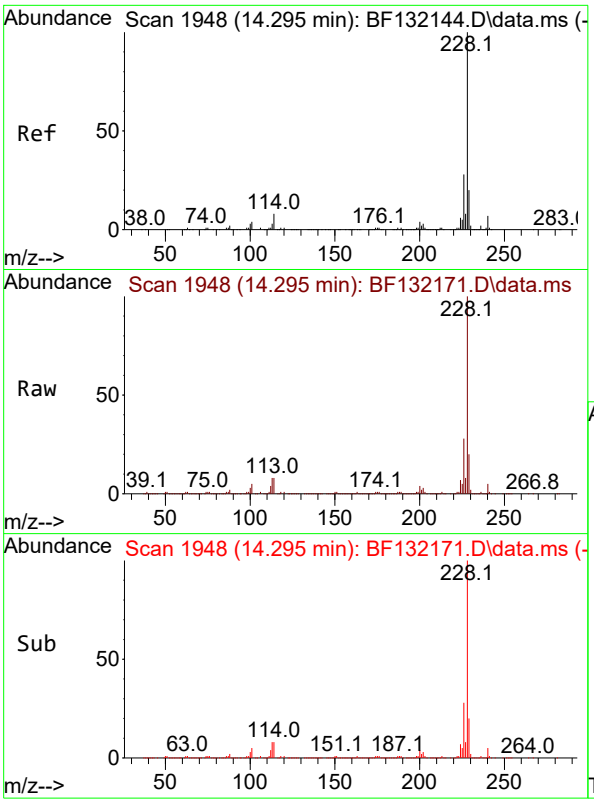


#80
Butylbenzylphthalate
Concen: 49.332 ng
RT: 13.707 min Scan# 1848
Delta R.T. -0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:149 Resp: 675729

Ion	Ratio	Lower	Upper
149	100		
91	74.8	62.6	94.0
206	20.5	16.4	24.6

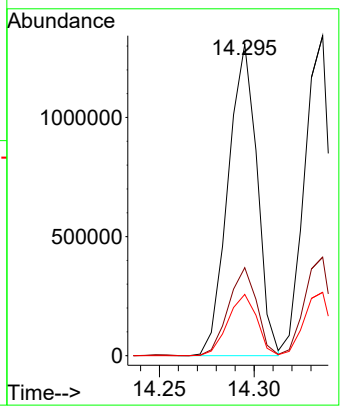




#81
Benzo(a)anthracene
Concen: 42.739 ng
RT: 14.295 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:228 Resp: 139052

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.5	33.7
229	19.6	16.1	24.1

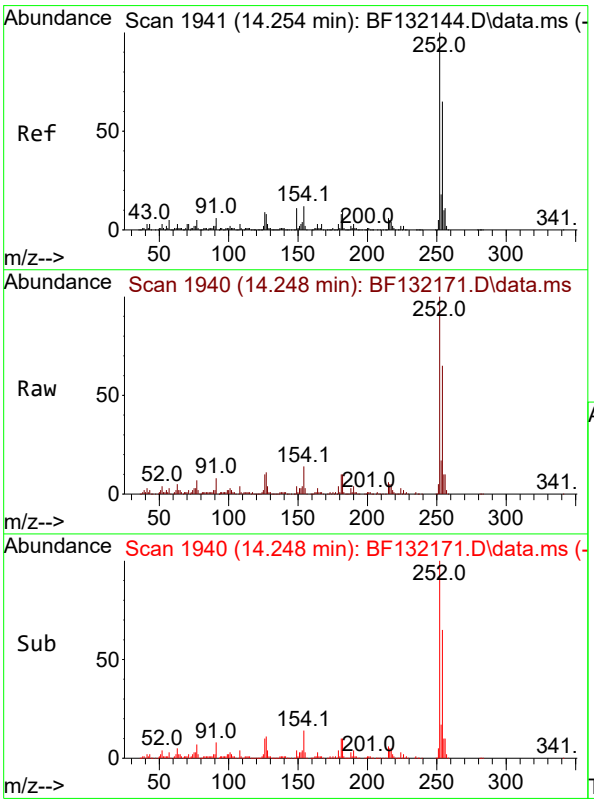


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

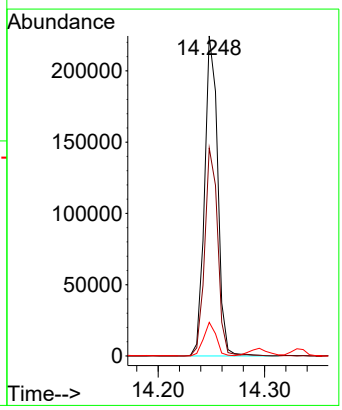
Supervised By :Jagrut Upadhyay
01/23/2023

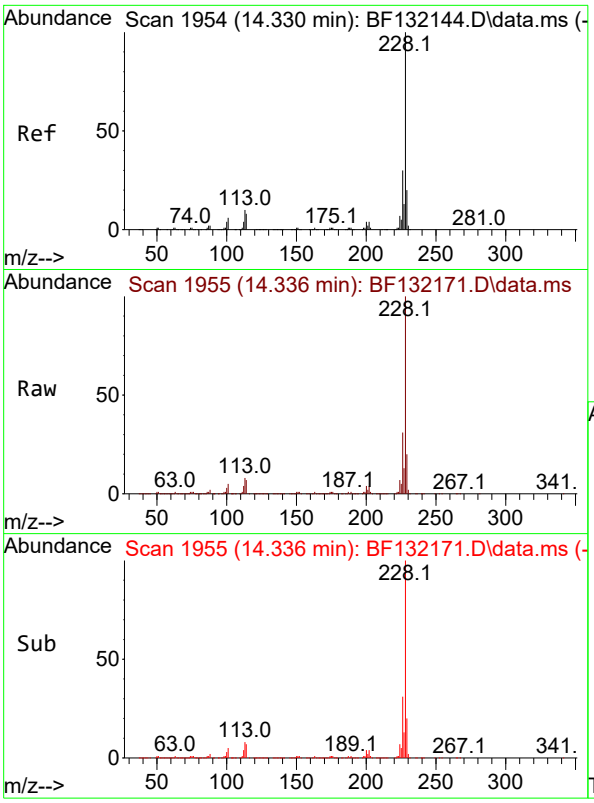


#82
3,3'-Dichlorobenzidine
Concen: 21.334 ng
RT: 14.248 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:252 Resp: 193310

Ion	Ratio	Lower	Upper
252	100		
254	65.0	52.4	78.6
126	10.5	7.0	10.6

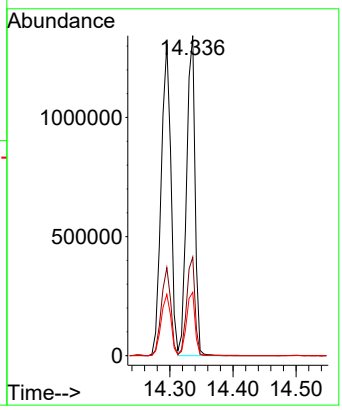




#83
Chrysene
Concen: 40.430 ng
RT: 14.336 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:228 Resp: 125210

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.3	36.5
229	19.8	15.8	23.6

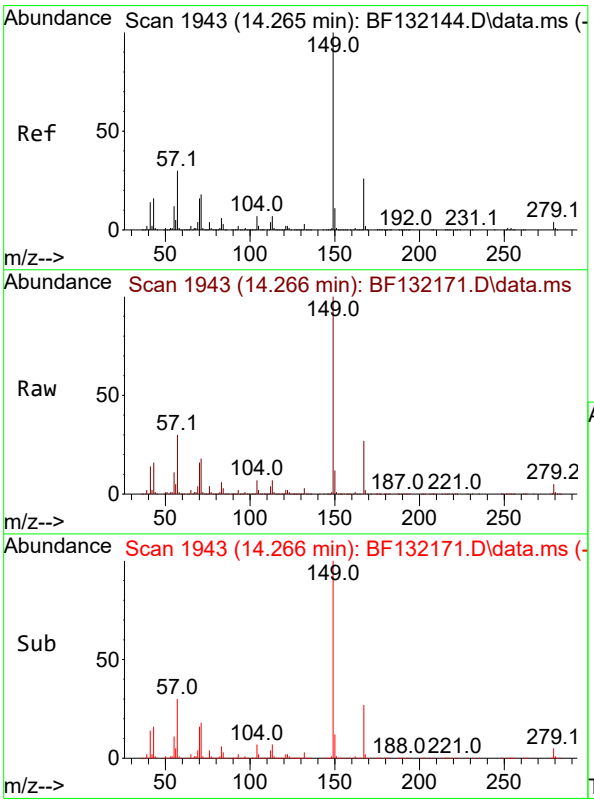


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

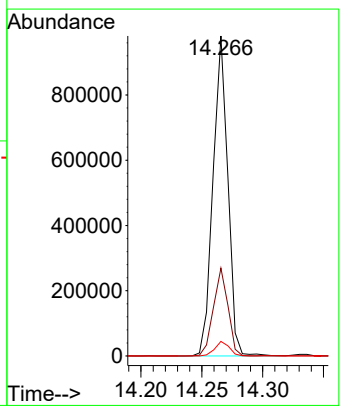
Supervised By :Jagrut Upadhyay
01/23/2023

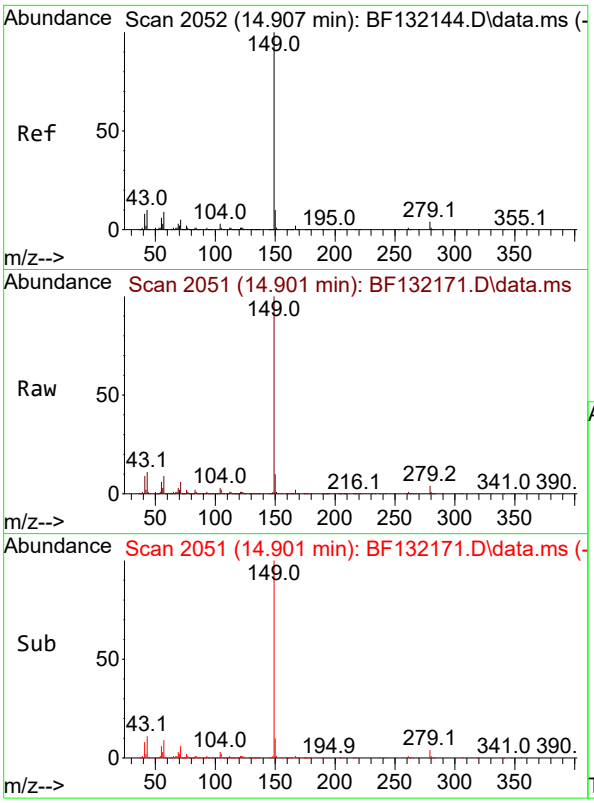


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.641 ng
RT: 14.266 min Scan# 1943
Delta R.T. 0.001 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:149 Resp: 832524

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.0	31.6
279	4.6	3.2	4.8

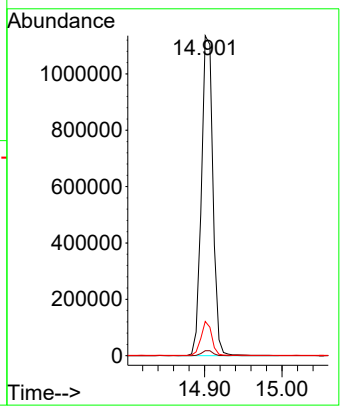




#85
Di-n-octyl phthalate
Concen: 44.146 ng
RT: 14.901 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:149 Resp: 116837

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.9	8.4	12.6

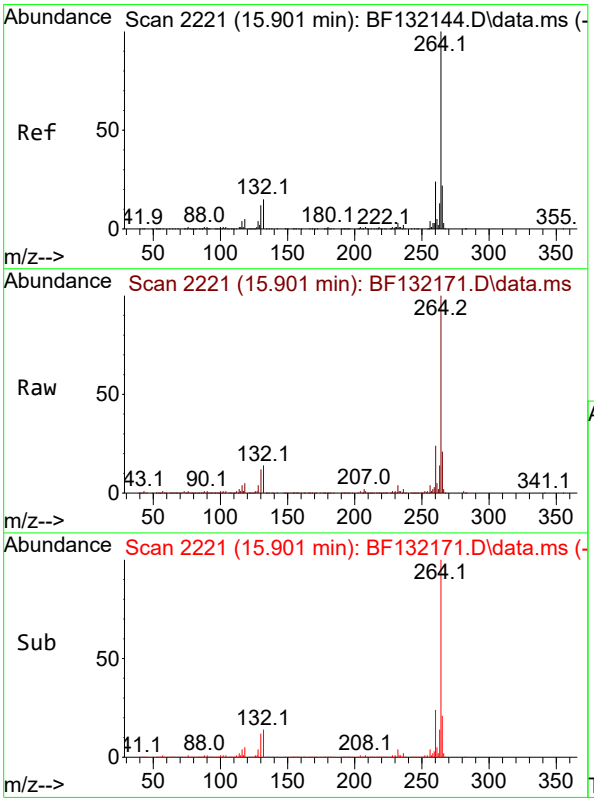


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

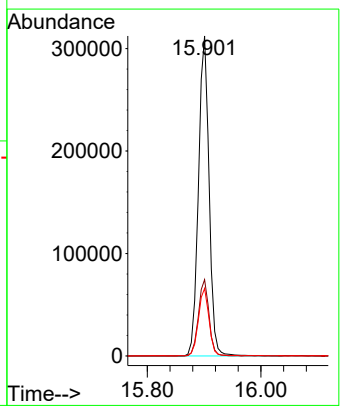
Supervised By :Jagrut Upadhyay
01/23/2023

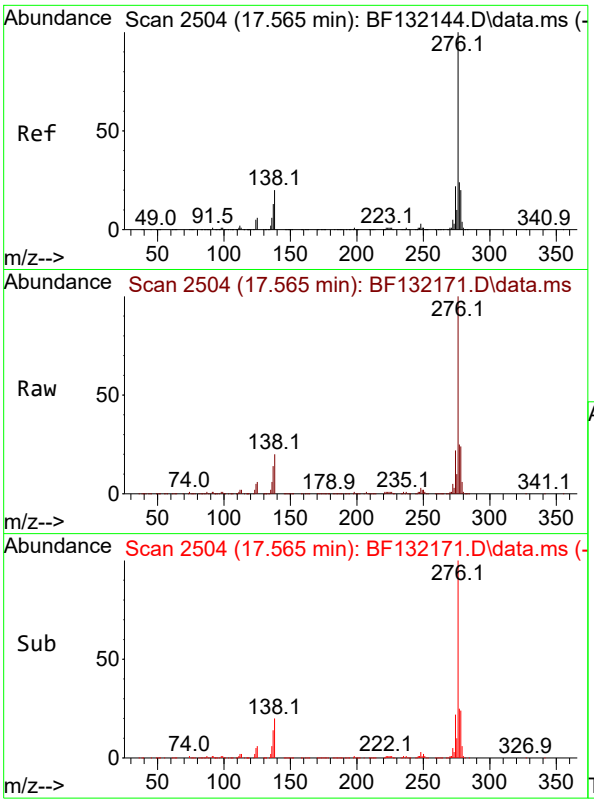


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.901 min Scan# 2221
Delta R.T. -0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:264 Resp: 405760

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.1	17.4	26.0

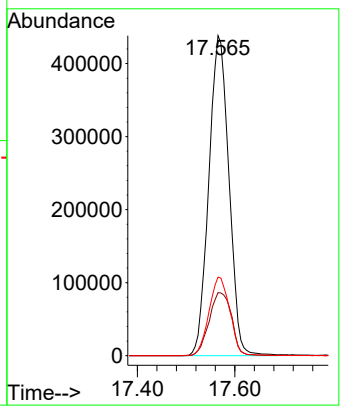




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.311 ng
RT: 17.565 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:276 Resp: 125597

Ion	Ratio	Lower	Upper
276	100		
138	22.1	17.9	26.9
277	25.3	20.2	30.2

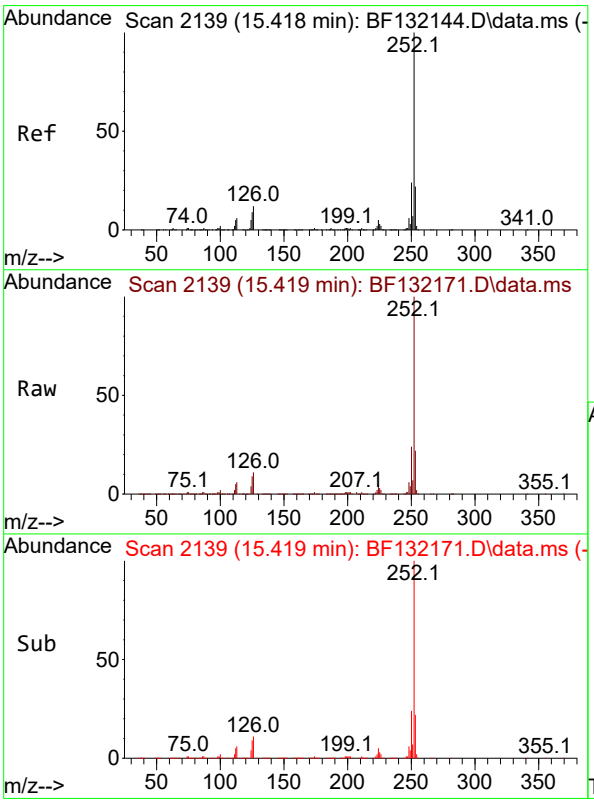


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

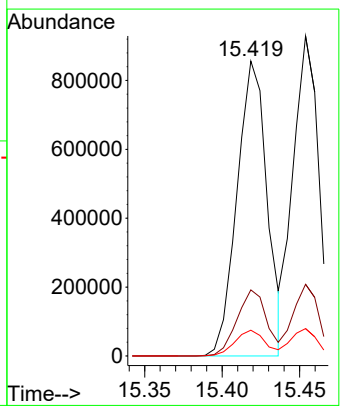
Supervised By :Jagrut Upadhyay
01/23/2023

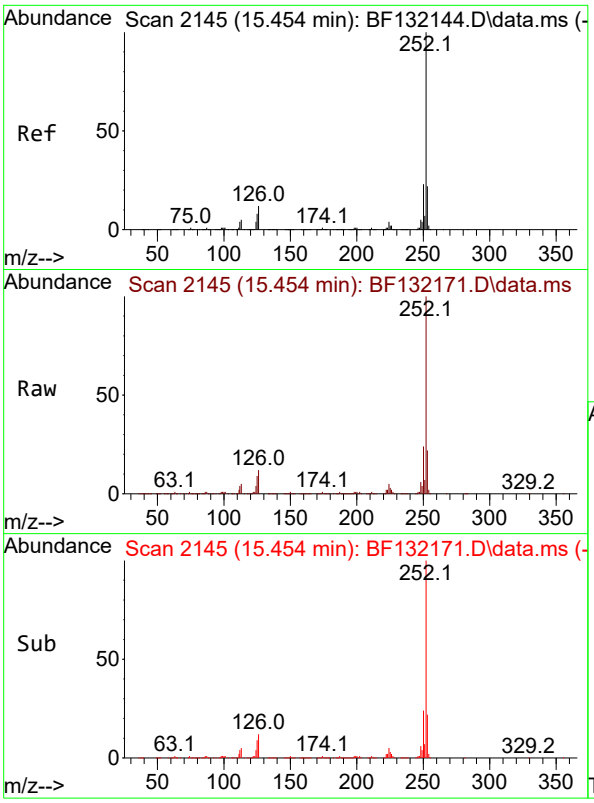


#88
Benzo(b)fluoranthene
Concen: 46.854 ng
RT: 15.419 min Scan# 2139
Delta R.T. 0.001 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:252 Resp: 1157546

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	8.7	7.2	10.8

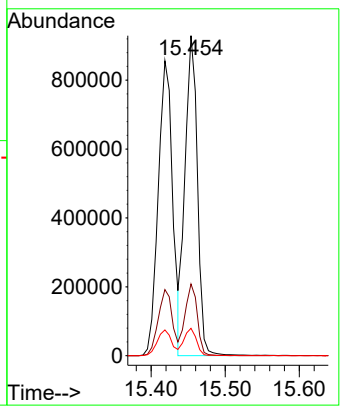




#89
Benzo(k)fluoranthene
Concen: 42.889 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:252 Resp: 108062

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	8.5	6.4	9.6

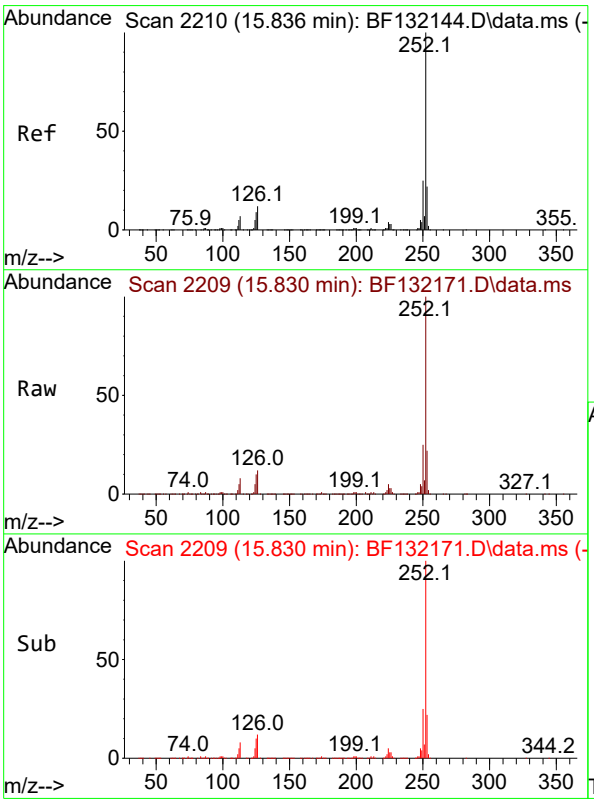


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

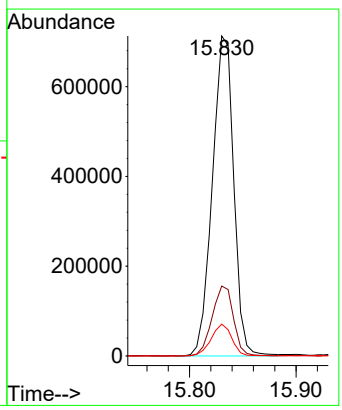
Supervised By :Jagrut Upadhyay
01/23/2023

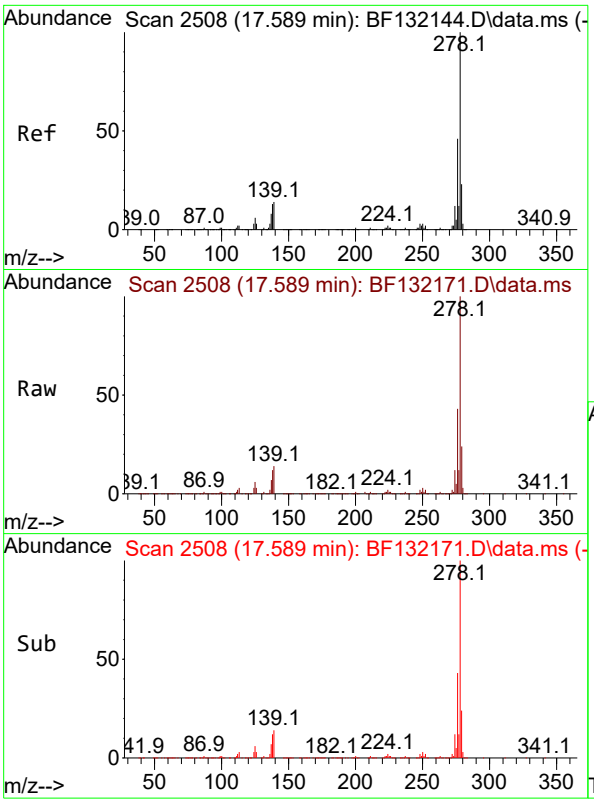


#90
Benzo(a)pyrene
Concen: 41.772 ng
RT: 15.830 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:252 Resp: 992749

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	9.9	7.3	10.9

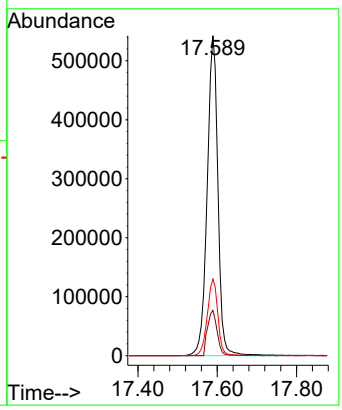




#91
Dibenzo(a,h)anthracene
Concen: 42.543 ng
RT: 17.589 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:278 Resp: 102162

Ion	Ratio	Lower	Upper
278	100		
139	14.2	11.4	17.2
279	23.9	18.6	28.0

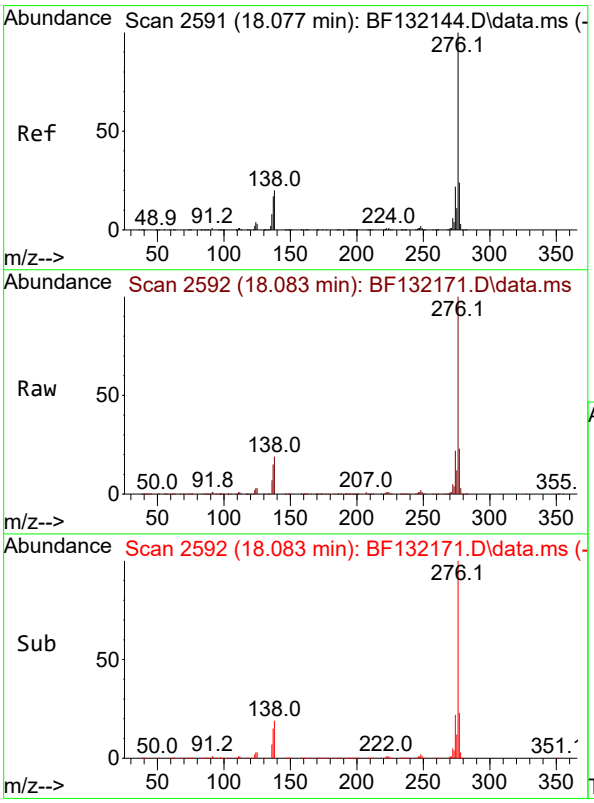


Instrument :
BNA_F
ClientSampleId :
B-P34AMS

Manual Integrations APPROVED

Reviewed By :Christian Giraldo
01/23/2023

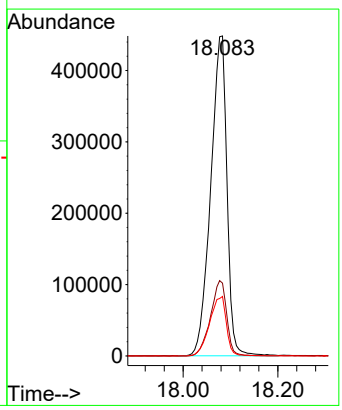
Supervised By :Jagrut Upadhyay
01/23/2023



#92
Benzo(g,h,i)perylene
Concen: 38.992 ng
RT: 18.083 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF132171.D
Acq: 20 Jan 2023 20:35

Tgt Ion:276 Resp: 1067741

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.9	28.3
138	18.6	15.7	23.5



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P34AMSD	SDG No.:	O1232
Lab Sample ID:	O1233-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF132172.D	1	01/20/23 12:30	01/20/23 21:08	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1200		160	390	ug/Kg
108-95-2	Phenol	1700		79.2	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		93.9	200	ug/Kg
95-57-8	2-Chlorophenol	1800		79.9	200	ug/Kg
95-48-7	2-Methylphenol	1700		130	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		110	200	ug/Kg
98-86-2	Acetophenone	1600		93.7	200	ug/Kg
65794-96-9	3+4-Methylphenols	1700		110	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		89.0	93.6	ug/Kg
67-72-1	Hexachloroethane	1800		86.2	200	ug/Kg
98-95-3	Nitrobenzene	1700		86.4	200	ug/Kg
78-59-1	Isophorone	1700		77.9	200	ug/Kg
88-75-5	2-Nitrophenol	2000		110	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		120	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		130	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		95.6	200	ug/Kg
91-20-3	Naphthalene	1600		86.4	200	ug/Kg
106-47-8	4-Chloroaniline	600		110	200	ug/Kg
87-68-3	Hexachlorobutadiene	1600		120	200	ug/Kg
105-60-2	Caprolactam	2000		120	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		92.0	200	ug/Kg
91-57-6	2-Methylnaphthalene	1500		87.7	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3700	E	200	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		99.9	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		97.8	200	ug/Kg
92-52-4	1,1-Biphenyl	1600		100	200	ug/Kg
91-58-7	2-Chloronaphthalene	1600		100	200	ug/Kg
88-74-4	2-Nitroaniline	1800		130	200	ug/Kg
131-11-3	Dimethylphthalate	1600		94.6	200	ug/Kg
208-96-8	Acenaphthylene	1600		80.4	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		91.3	200	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P34AMSD	SDG No.:	O1232
Lab Sample ID:	O1233-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF132172.D	1	01/20/23 12:30	01/20/23 21:08	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	1200		120	200	ug/Kg
83-32-9	Acenaphthene	1800		92.3	200	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	150	390	ug/Kg
100-02-7	4-Nitrophenol	3900	E	160	390	ug/Kg
132-64-9	Dibenzofuran	1600		86.8	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		98.9	200	ug/Kg
84-66-2	Diethylphthalate	1600		94.2	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		110	200	ug/Kg
86-73-7	Fluorene	1600		92.2	200	ug/Kg
100-01-6	4-Nitroaniline	1900		120	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		100	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		96.1	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		120	200	ug/Kg
118-74-1	Hexachlorobenzene	1600		120	200	ug/Kg
1912-24-9	Atrazine	1800		110	200	ug/Kg
87-86-5	Pentachlorophenol	3100		140	390	ug/Kg
85-01-8	Phenanthrene	1500		97.8	200	ug/Kg
120-12-7	Anthracene	1500		98.2	200	ug/Kg
86-74-8	Carbazole	1600		98.5	200	ug/Kg
84-74-2	Di-n-butylphthalate	1700		100	200	ug/Kg
206-44-0	Fluoranthene	1700		93.3	200	ug/Kg
129-00-0	Pyrene	1600		86.8	200	ug/Kg
85-68-7	Butylbenzylphthalate	1900		96.7	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	870		160	390	ug/Kg
56-55-3	Benzo(a)anthracene	1600		100	200	ug/Kg
218-01-9	Chrysene	1600		100	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		100	200	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		110	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		80.7	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		86.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	1600		79.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		120	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		120	200	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	B-P34AMSD	SDG No.:	O1232
Lab Sample ID:	O1233-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF132172.D	1	01/20/23 12:30	01/20/23 21:08	PB150378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1500		110	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		110	200	ug/Kg
123-91-1	1,4-Dioxane	1500		100	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		95.0	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	111		18 - 112	74%	SPK: 150
13127-88-3	Phenol-d6	117		21 - 104	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.3		27 - 109	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.1		30 - 103	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		10 - 121	87%	SPK: 150
1718-51-0	Terphenyl-d14	74.4		21 - 107	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	185000	7.089			
1146-65-2	Naphthalene-d8	670000	8.378			
15067-26-2	Acenaphthene-d10	363000	10.142			
1517-22-2	Phenanthrene-d10	737000	11.642			
1719-03-5	Chrysene-d12	440000	14.307			
1520-96-3	Perylene-d12	407000	15.901			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132172.D
Acq On : 20 Jan 2023 21:08
Operator : CG\JU
Sample : 01233-02MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 21 03:57:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.089	152	185010	20.000	ng		0.00
21) Naphthalene-d8	8.378	136	669898	20.000	ng		0.00
39) Acenaphthene-d10	10.142	164	363370	20.000	ng		0.00
64) Phenanthrene-d10	11.642	188	736982	20.000	ng		0.00
76) Chrysene-d12	14.307	240	439968	20.000	ng		0.00
86) Perylene-d12	15.901	264	406965	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.725	112	1170508	110.521	ng		0.02
7) Phenol-d6	6.707	99	1556685	116.763	ng		0.00
23) Nitrobenzene-d5	7.654	82	1038246	82.333	ng		0.00
42) 2,4,6-Tribromophenol	10.942	330	507491	130.751	ng		0.00
45) 2-Fluorobiphenyl	9.454	172	1643177	66.077	ng		0.00
79) Terphenyl-d14	13.236	244	1952820	74.351	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.125	88	207857	38.739	ng		98
3) Pyridine	3.849	79	548016	38.047	ng		99
4) n-Nitrosodimethylamine	3.807	42	290475	42.880	ng		99
6) Aniline	6.748	93	647002m	35.037	ng		
8) 2-Chlorophenol	6.872	128	522722	46.955	ng		98
9) Benzaldehyde	6.642	77	263835	30.761	ng		96
10) Phenol	6.719	94	608599	43.850	ng		98
11) bis(2-Chloroethyl)ether	6.819	93	512037	43.580	ng		99
12) 1,3-Dichlorobenzene	7.031	146	550558	44.242	ng		98
13) 1,4-Dichlorobenzene	7.107	146	550651	44.346	ng		99
14) 1,2-Dichlorobenzene	7.260	146	530407	46.195	ng		98
15) Benzyl Alcohol	7.225	79	478521m	46.925	ng		
16) 2,2'-oxybis(1-Chloropr...	7.360	45	748437	43.829	ng		99
17) 2-Methylphenol	7.331	107	417984	42.858	ng		98
18) Hexachloroethane	7.607	117	207963	46.656	ng		95
19) n-Nitroso-di-n-propyla...	7.501	70	344907	42.235	ng		97
20) 3+4-Methylphenols	7.484	107	523952	42.635	ng		96
22) Acetophenone	7.501	105	665782	41.350	ng	#	98
24) Nitrobenzene	7.678	77	573088	42.922	ng		94
25) Isophorone	7.913	82	1058482	42.899	ng		98
26) 2-Nitrophenol	7.989	139	266866	52.343	ng		97
27) 2,4-Dimethylphenol	8.019	122	477808	44.753	ng		98
28) bis(2-Chloroethoxy)met...	8.119	93	603691	40.779	ng		99
29) 2,4-Dichlorophenol	8.231	162	443370	43.742	ng		98
30) 1,2,4-Trichlorobenzene	8.319	180	480908	41.772	ng		100
31) Naphthalene	8.401	128	1396657	40.595	ng		99
32) Benzoic acid	8.125	122	348706	48.766	ng		94
33) 4-Chloroaniline	8.442	127	226815	15.405	ng		95
34) Hexachlorobutadiene	8.513	225	324286	41.930	ng		99
35) Caprolactam	8.819	113	147152m	51.194	ng		
36) 4-Chloro-3-methylphenol	8.913	107	463852	45.475	ng		97
37) 2-Methylnaphthalene	9.095	142	924541	39.031	ng		99
38) 1-Methylnaphthalene	9.195	142	871246	39.530	ng		98
40) 1,2,4,5-Tetrachloroben...	9.260	216	497372	39.340	ng		99
41) Hexachlorocyclopentadiene	9.248	237	647423	93.842	ng		99
43) 2,4,6-Trichlorophenol	9.366	196	348929	44.470	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132172.D
Acq On : 20 Jan 2023 21:08
Operator : CG\JU
Sample : 01233-02MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations APPROVED
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

Quant Time: Jan 21 03:57:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.407	196	376966	41.079	ng		98
46) 1,1'-Biphenyl	9.560	154	1147607	40.032	ng		99
47) 2-Chloronaphthalene	9.589	162	909791	41.054	ng		99
48) 2-Nitroaniline	9.678	65	322574	45.649	ng		98
49) Acenaphthylene	10.007	152	1442347	40.685	ng		99
50) Dimethylphthalate	9.854	163	1089664	41.405	ng		99
51) 2,6-Dinitrotoluene	9.919	165	251265	49.258	ng		94
52) Acenaphthene	10.178	154	962180	45.122	ng		98
53) 3-Nitroaniline	10.089	138	171804	31.502	ng		96
54) 2,4-Dinitrophenol	10.195	184	264179	108.931	ng	#	48
55) Dibenzofuran	10.354	168	1311397	39.795	ng		97
56) 4-Nitrophenol	10.242	139	397985	100.269	ng		88
57) 2,4-Dinitrotoluene	10.325	165	329933	53.885	ng		94
58) Fluorene	10.695	166	990200	40.552	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.466	232	323071	46.282	ng		99
60) Diethylphthalate	10.560	149	1081834	41.919	ng		99
61) 4-Chlorophenyl-phenyle...	10.683	204	529286	40.480	ng		98
62) 4-Nitroaniline	10.713	138	244667	48.187	ng		98
63) Azobenzene	10.848	77	1352716	52.226	ng		99
65) 4,6-Dinitro-2-methylph...	10.736	198	174002	48.068	ng		91
66) n-Nitrosodiphenylamine	10.807	169	891433	37.768	ng		100
67) 4-Bromophenyl-phenylether	11.177	248	343215	38.207	ng		98
68) Hexachlorobenzene	11.248	284	376827	42.208	ng		98
69) Atrazine	11.330	200	329931	45.307	ng		99
70) Pentachlorophenol	11.442	266	448896	78.244	ng		98
71) Phenanthrene	11.672	178	1509959	39.042	ng		99
72) Anthracene	11.724	178	1535077	39.234	ng		100
73) Carbazole	11.872	167	1406032	42.070	ng		100
74) Di-n-butylphthalate	12.195	149	1624073	43.651	ng		100
75) Fluoranthene	12.866	202	1690433	42.551	ng		100
77) Benzidine	12.983	184	767487	58.100	ng		99
78) Pyrene	13.101	202	1705612	42.064	ng		99
80) Butylbenzylphthalate	13.707	149	649876	49.125	ng		97
81) Benzo(a)anthracene	14.295	228	1303827	41.482	ng		99
82) 3,3'-Dichlorobenzidine	14.248	252	194473	22.217	ng	#	97
83) Chrysene	14.336	228	1215936	40.642	ng		100
84) Bis(2-ethylhexyl)phtha...	14.265	149	788199	44.799	ng		99
85) Di-n-octyl phthalate	14.907	149	1120414	43.907	ng		99
87) Indeno(1,2,3-cd)pyrene	17.565	276	1242088	38.793	ng		99
88) Benzo(b)fluoranthene	15.424	252	1152284	46.503	ng		99
89) Benzo(k)fluoranthene	15.454	252	1091571	43.195	ng		99
90) Benzo(a)pyrene	15.830	252	1006189	42.213	ng		99
91) Dibenzo(a,h)anthracene	17.589	278	1008740	41.883	ng		99
92) Benzo(g,h,i)perylene	18.077	276	1041701	37.991	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BF132172.D**

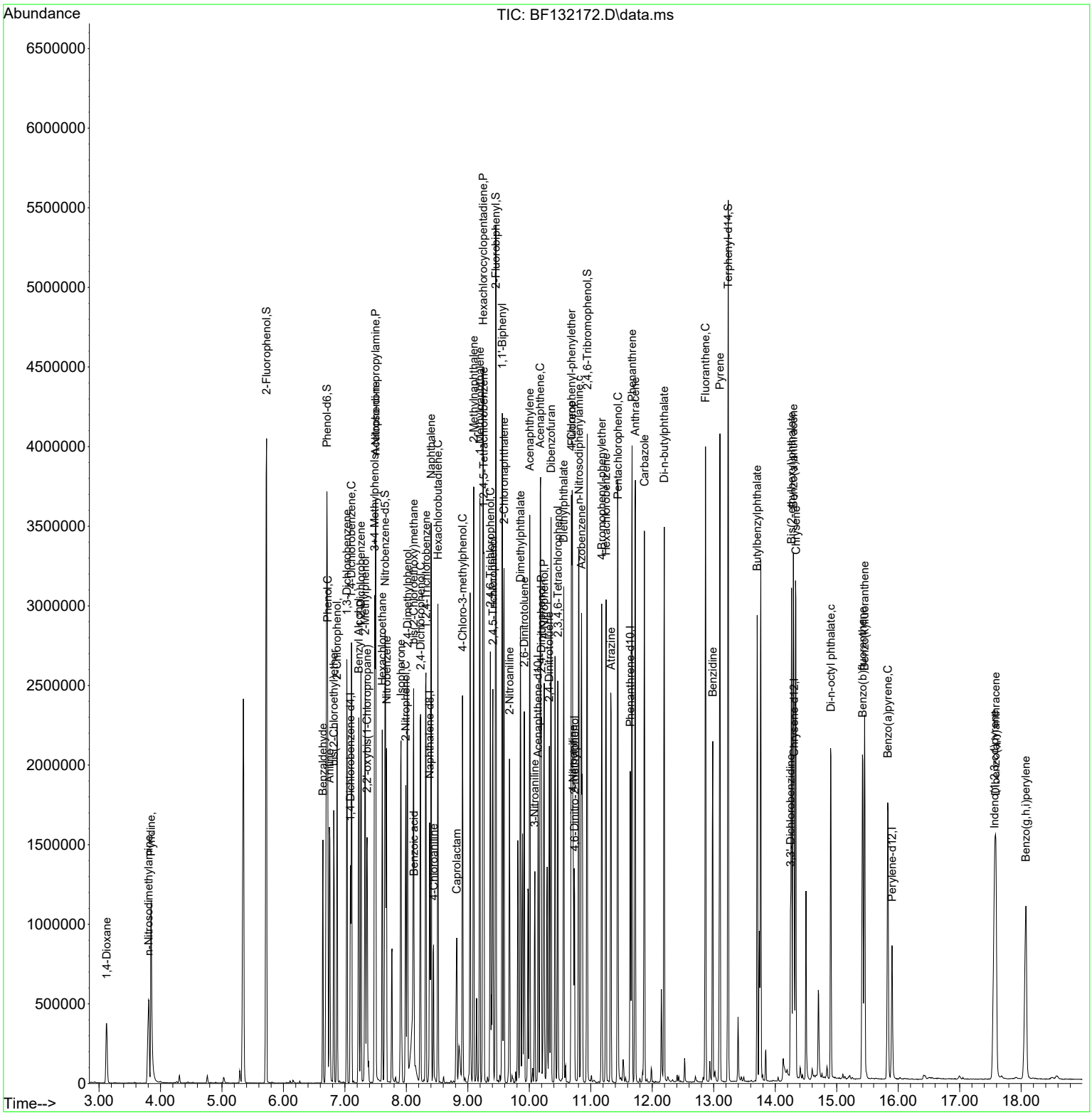
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
Data File : BF132172.D
Acq On : 20 Jan 2023 21:08
Operator : CG\JU
Sample : 01233-02MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

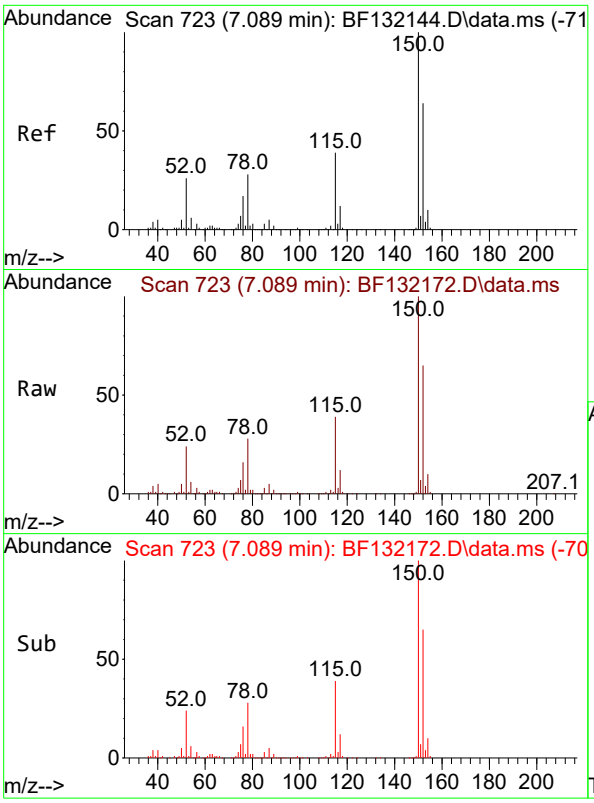
Quant Time: Jan 21 03:57:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 20 00:50:42 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

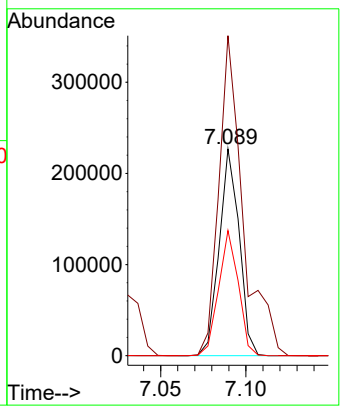




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.089 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:152 Resp: 18501

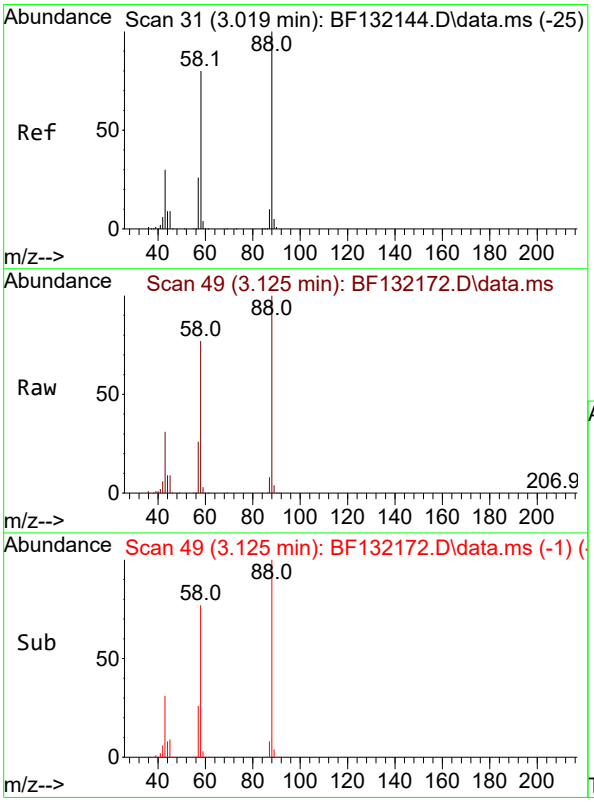
Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.8	188.8
115	60.6	49.2	73.8



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

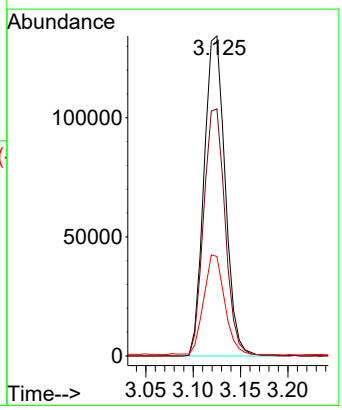
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

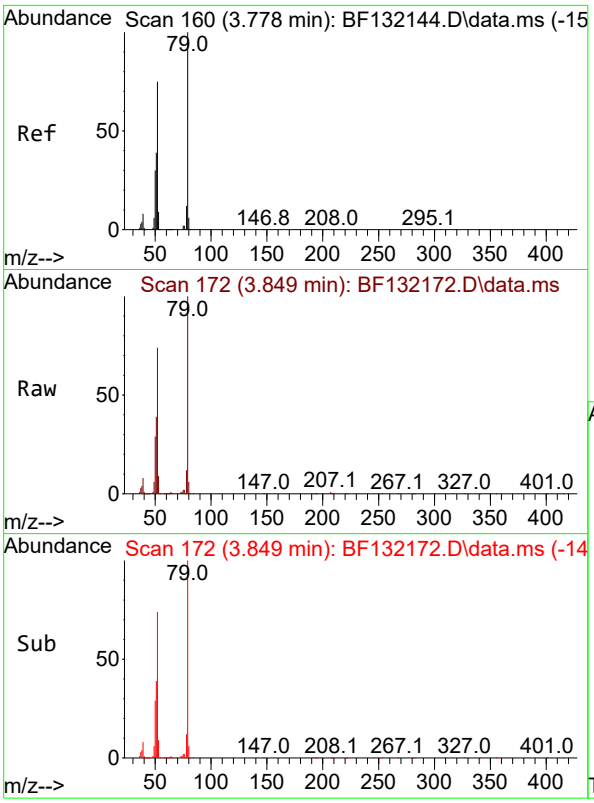


#2
1,4-Dioxane
Concen: 38.739 ng
RT: 3.125 min Scan# 49
Delta R.T. 0.106 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion: 88 Resp: 207857

Ion	Ratio	Lower	Upper
88	100		
58	78.5	64.0	96.0
43	31.3	24.2	36.4

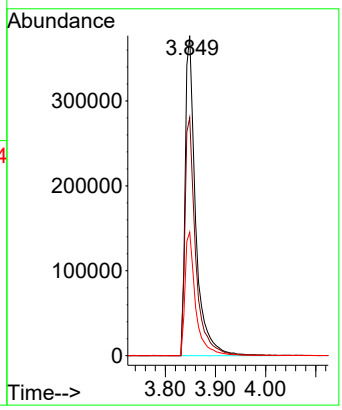




#3
Pyridine
Concen: 38.047 ng
RT: 3.849 min Scan# 1
Delta R.T. 0.071 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion: 79 Resp: 54801

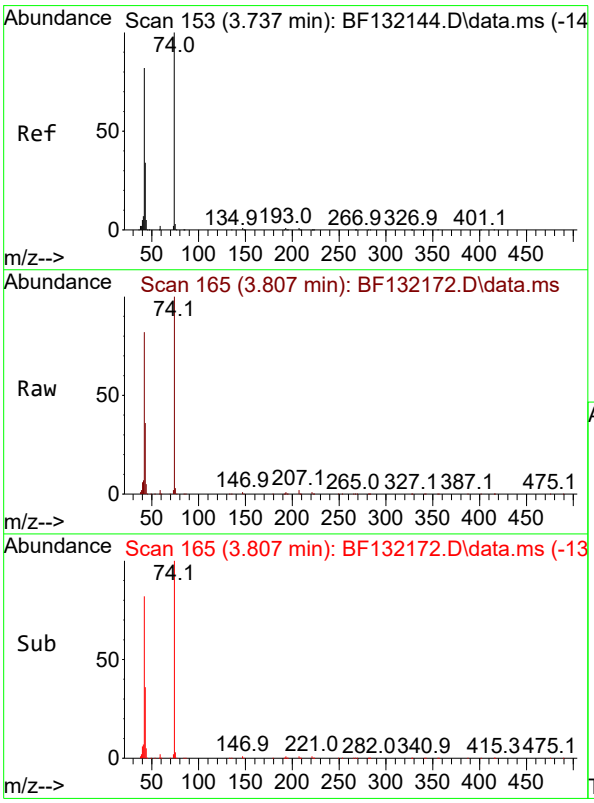
Ion	Ratio	Lower	Upper
79	100		
52	74.4	60.1	90.1
51	38.6	31.4	47.0



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

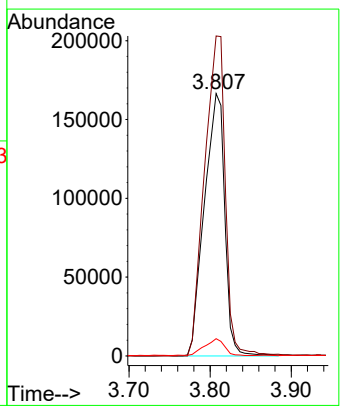
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

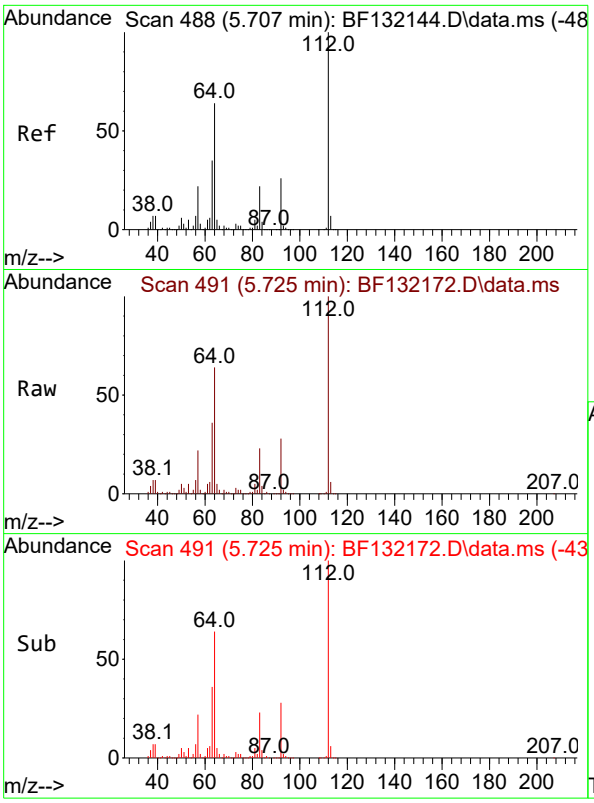


#4
n-Nitrosodimethylamine
Concen: 42.880 ng
RT: 3.807 min Scan# 165
Delta R.T. 0.071 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion: 42 Resp: 290475

Ion	Ratio	Lower	Upper
42	100		
74	122.0	98.1	147.1
44	6.6	5.2	7.8

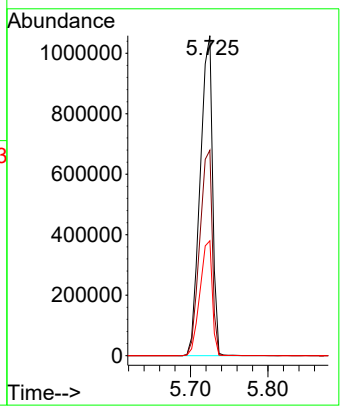




#5
2-Fluorophenol
Concen: 110.521 ng
RT: 5.725 min Scan# 4
Delta R.T. 0.018 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:112 Resp: 117050

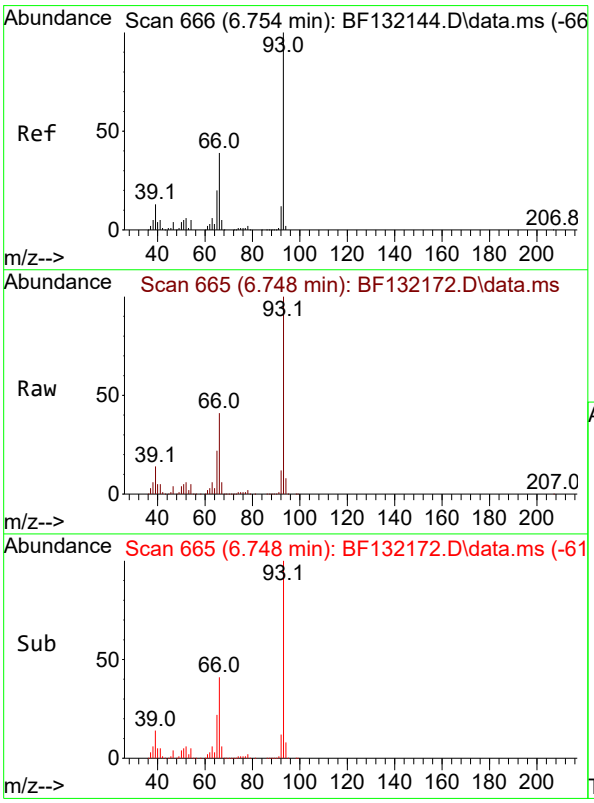
Ion	Ratio	Lower	Upper
112	100		
64	64.2	51.4	77.0
63	35.9	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

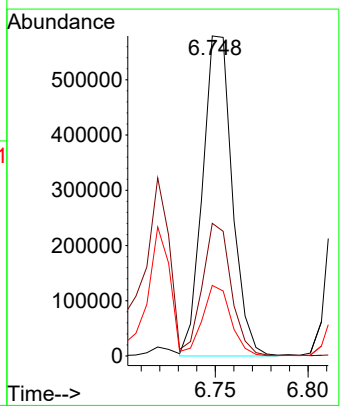
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

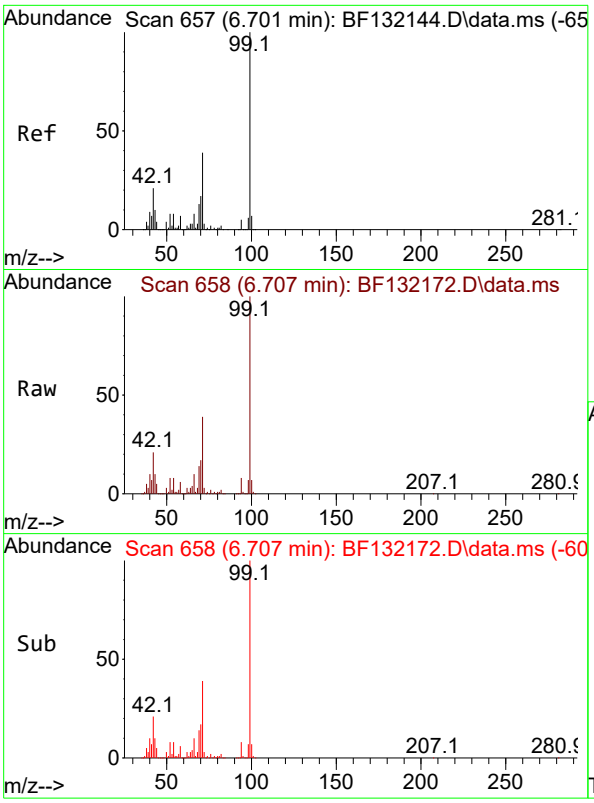


#6
Aniline
Concen: 35.037 ng m
RT: 6.748 min Scan# 665
Delta R.T. -0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion: 93 Resp: 647002

Ion	Ratio	Lower	Upper
93	100		
66	41.5	33.0	49.6
65	22.1	16.8	25.2

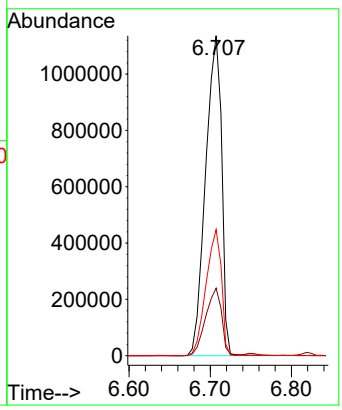




#7
Phenol-d6
Concen: 116.763 ng
RT: 6.707 min Scan# 6
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion: 99 Resp: 155668

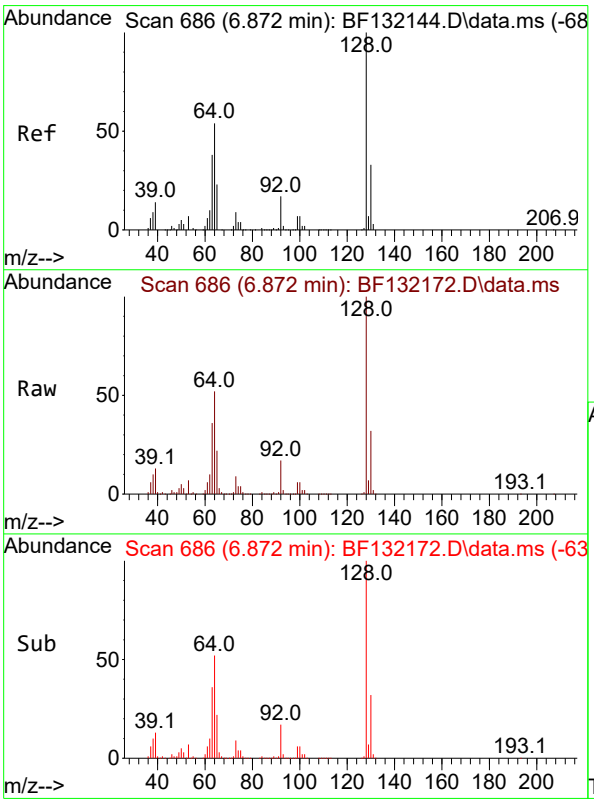
Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.6	24.8
71	39.4	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

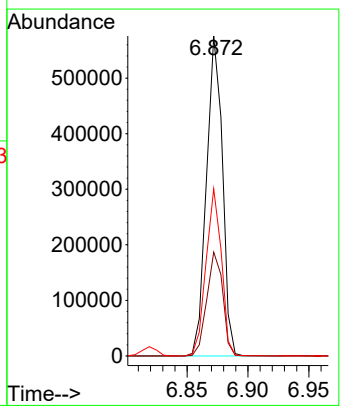
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

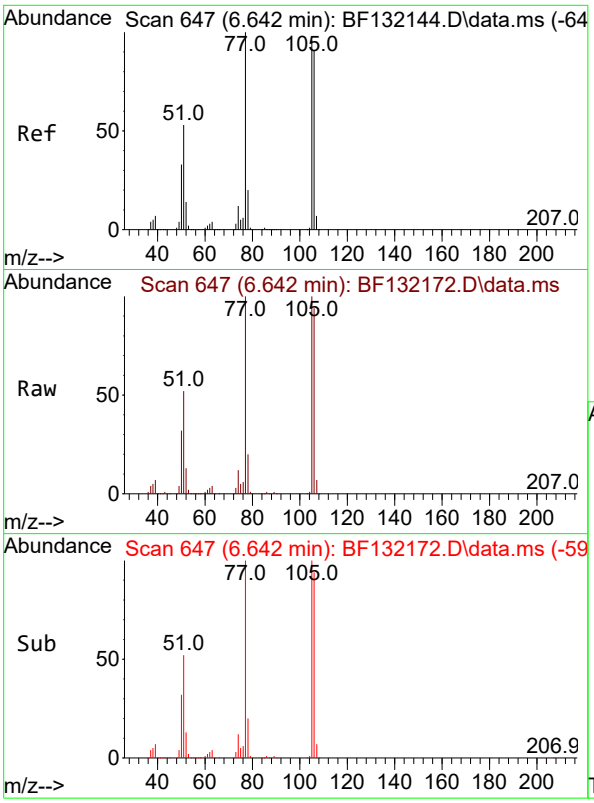


#8
2-Chlorophenol
Concen: 46.955 ng
RT: 6.872 min Scan# 686
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:128 Resp: 522722

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.8	52.8
64	52.3	34.8	74.8

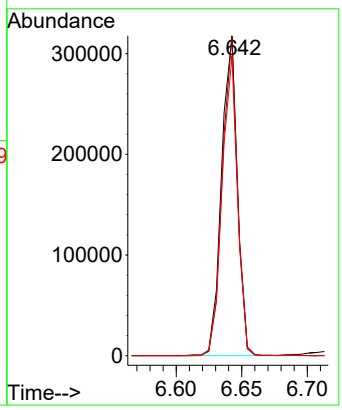




#9
Benzaldehyde
Concen: 30.761 ng
RT: 6.642 min Scan# 64
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion: 77 Resp: 26383

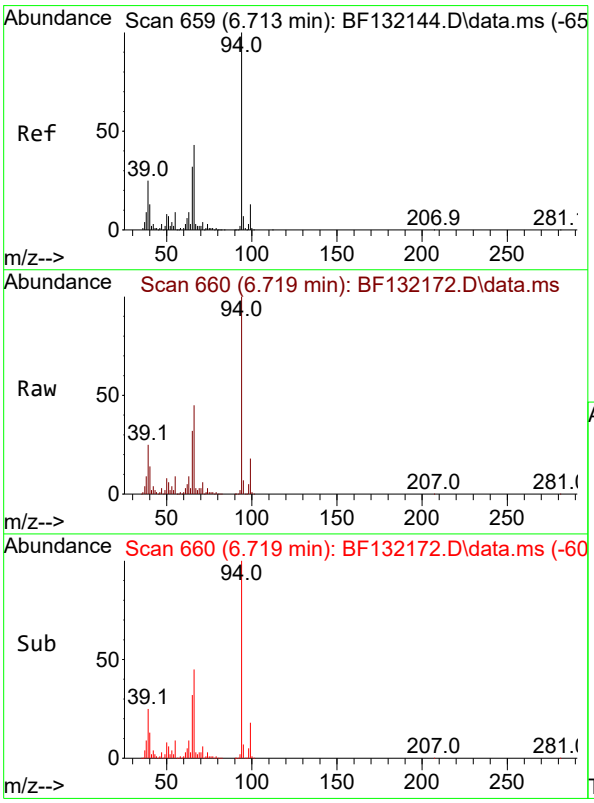
Ion	Ratio	Lower	Upper
77	100		
105	100.4	75.5	115.5
106	94.0	70.7	110.7



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

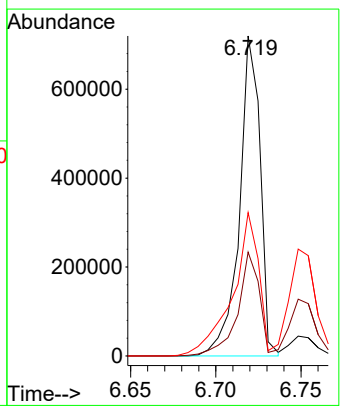
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

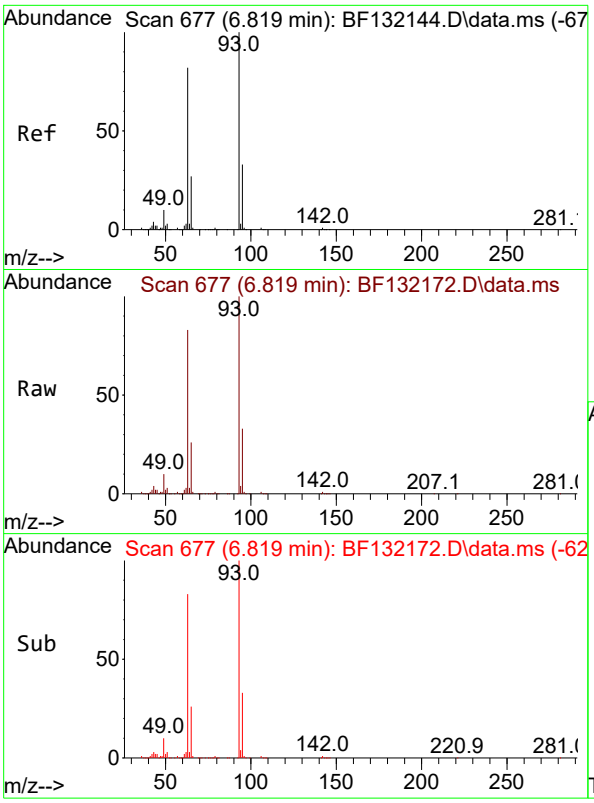


#10
Phenol
Concen: 43.850 ng
RT: 6.719 min Scan# 660
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion: 94 Resp: 608599

Ion	Ratio	Lower	Upper
94	100		
65	32.4	12.0	52.0
66	44.8	22.7	62.7





#11
bis(2-Chloroethyl)ether
Concen: 43.580 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

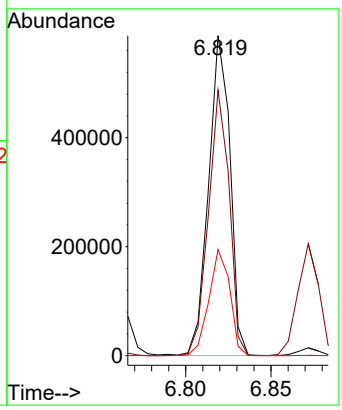
Tgt Ion: 93 Resp: 51203

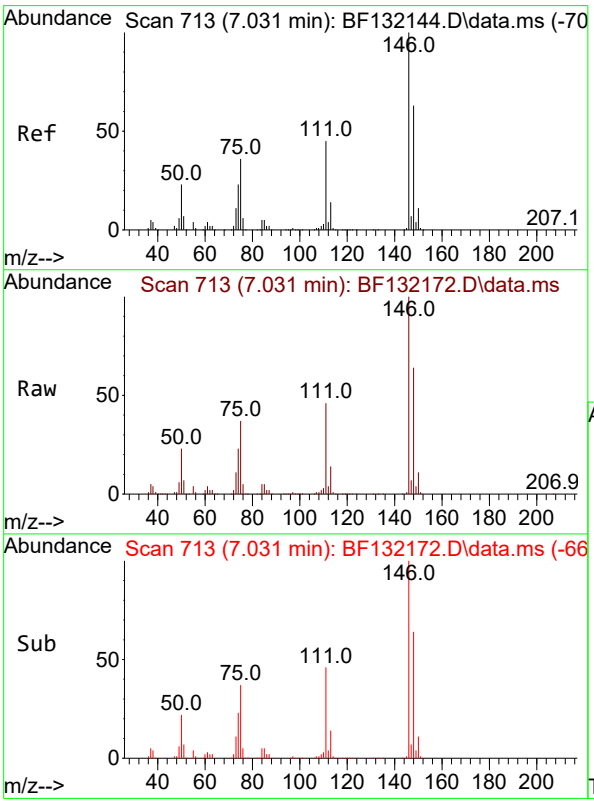
Ion	Ratio	Lower	Upper
93	100		
63	82.9	61.6	101.6
95	33.2	12.7	52.7

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

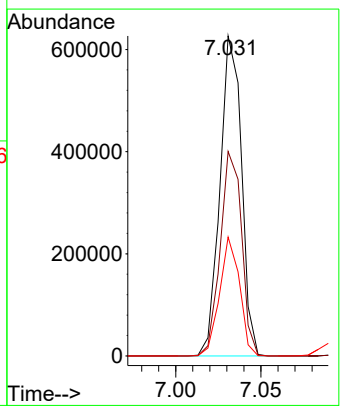


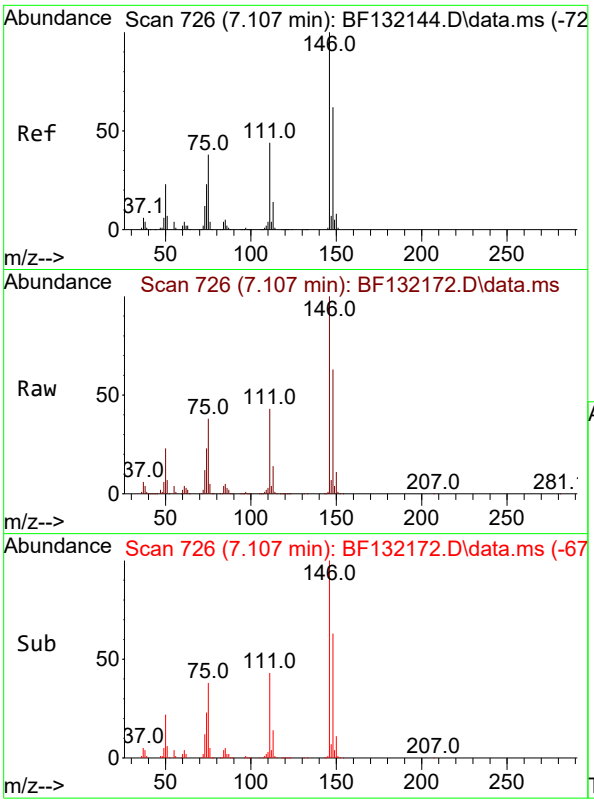


#12
1,3-Dichlorobenzene
Concen: 44.242 ng
RT: 7.031 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:146 Resp: 550558

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.0	75.0
75	37.2	28.8	43.2





#13
1,4-Dichlorobenzene
Concen: 44.346 ng
RT: 7.107 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

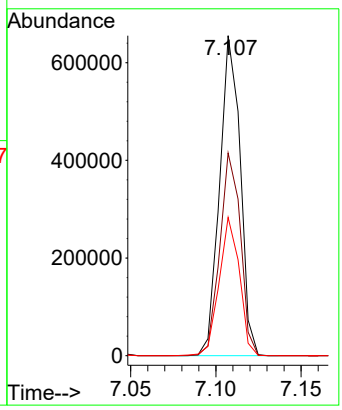
Tgt Ion:146 Resp: 55065

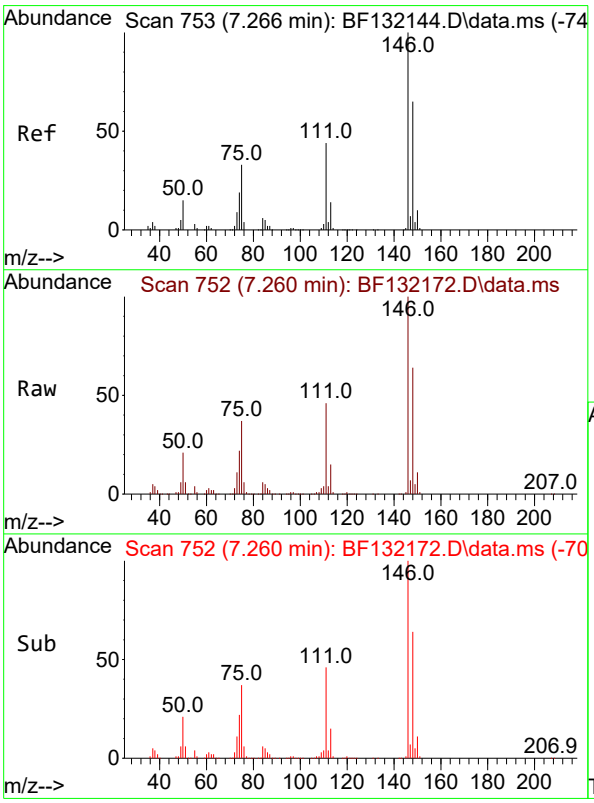
Ion	Ratio	Lower	Upper
146	100		
148	63.4	49.9	74.9
111	43.2	35.2	52.8

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

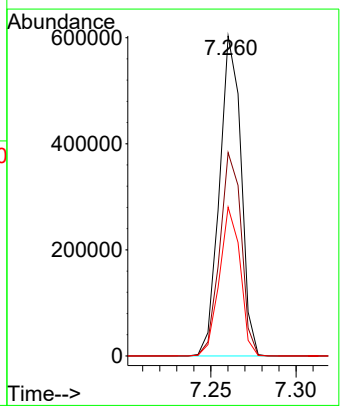


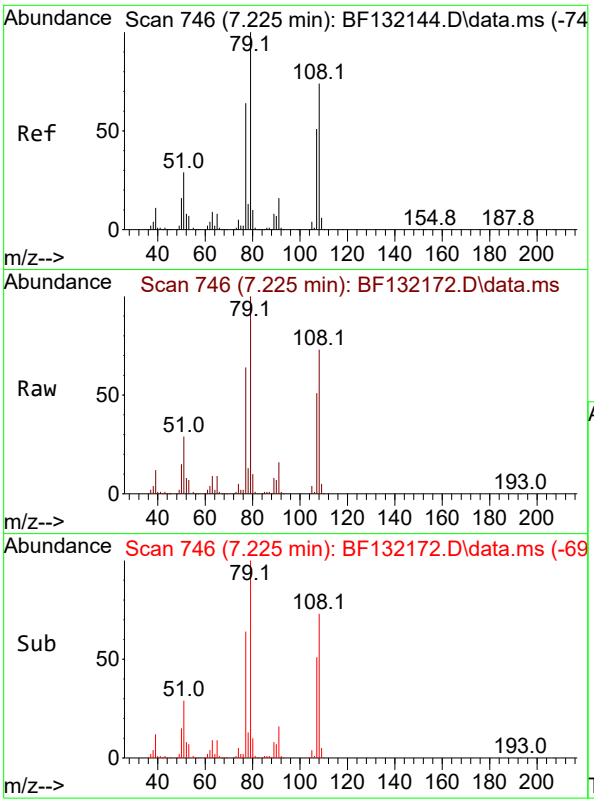


#14
1,2-Dichlorobenzene
Concen: 46.195 ng
RT: 7.260 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:146 Resp: 530407

Ion	Ratio	Lower	Upper
146	100		
148	63.5	52.0	78.0
111	46.5	35.4	53.2





#15
Benzyl Alcohol
Concen: 46.925 ng m
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

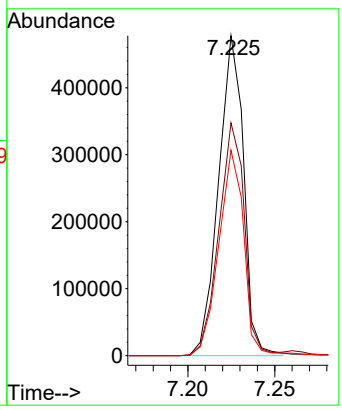
Tgt Ion: 79 Resp: 47852

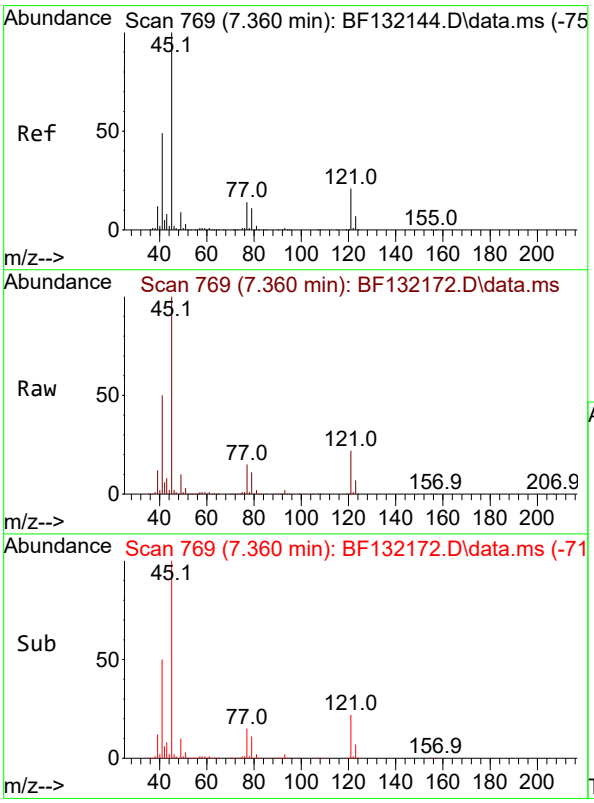
Ion	Ratio	Lower	Upper
79	100		
108	72.8	58.9	88.3
77	64.2	51.1	76.7

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

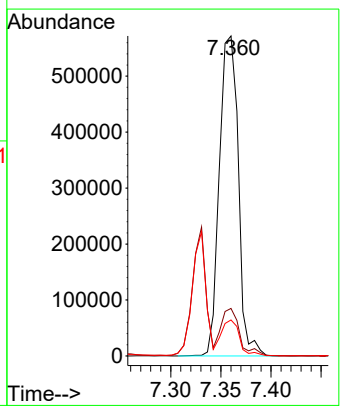


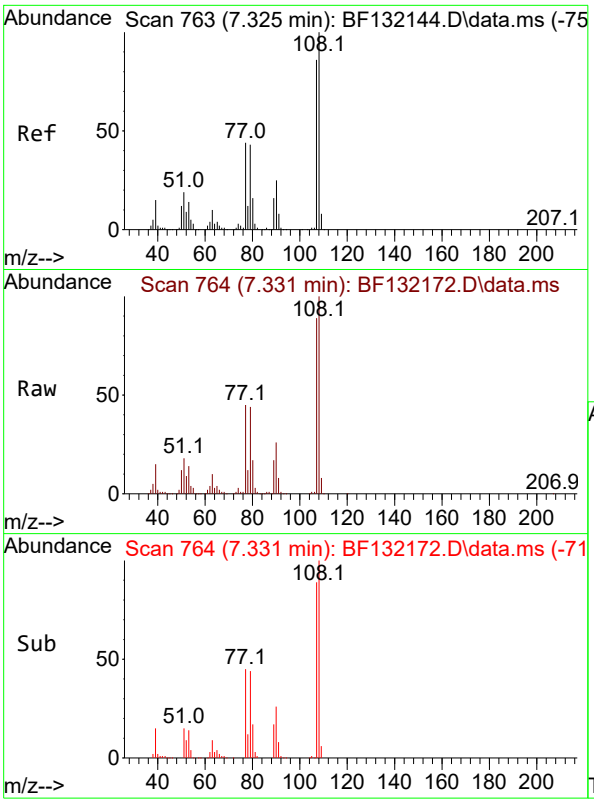


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.829 ng
RT: 7.360 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion: 45 Resp: 748437

Ion	Ratio	Lower	Upper
45	100		
77	14.8	0.0	34.3
79	11.3	0.0	30.9

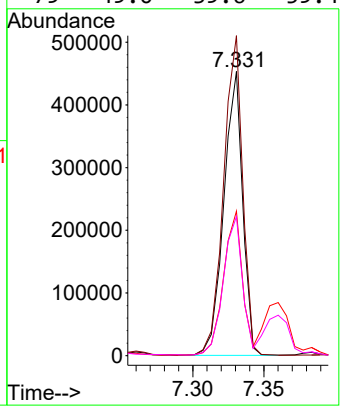




#17
2-Methylphenol
Concen: 42.858 ng
RT: 7.331 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:107 Resp: 41798

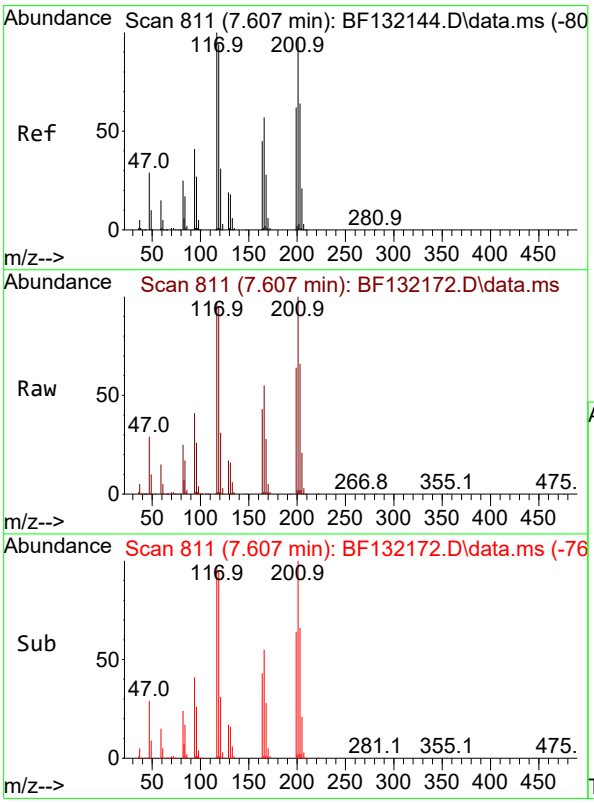
Ion	Ratio	Lower	Upper
107	100		
108	112.6	92.8	139.2
77	50.9	41.1	61.7
79	49.0	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

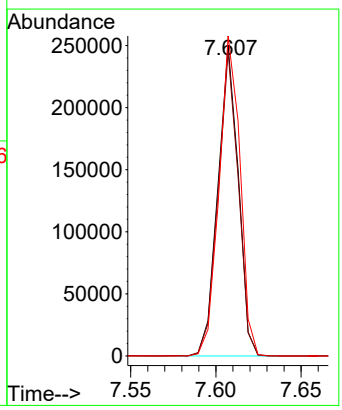
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

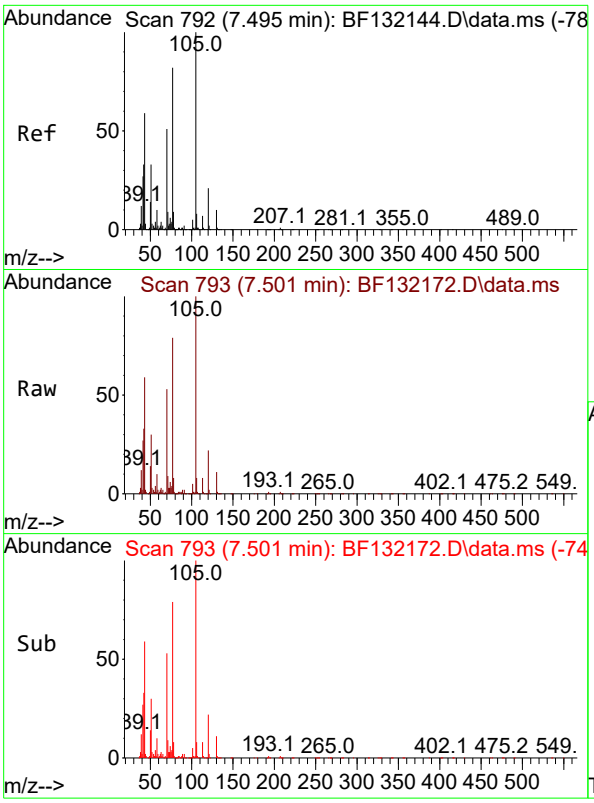


#18
Hexachloroethane
Concen: 46.656 ng
RT: 7.607 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:117 Resp: 207963

Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.4	113.0
201	102.9	77.9	116.9

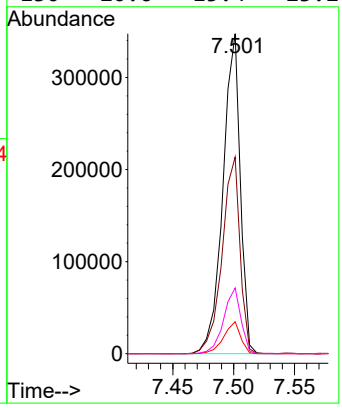




#19
n-Nitroso-di-n-propylamine
Concen: 42.235 ng
RT: 7.501 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion: 70 Resp: 34490

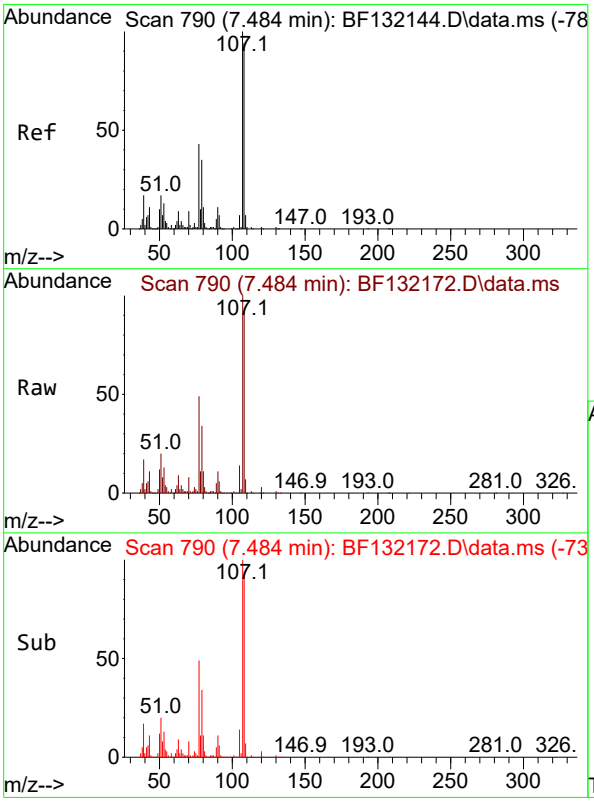
Ion	Ratio	Lower	Upper
70	100		
42	61.5	51.0	76.4
101	10.0	7.3	10.9
130	20.6	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

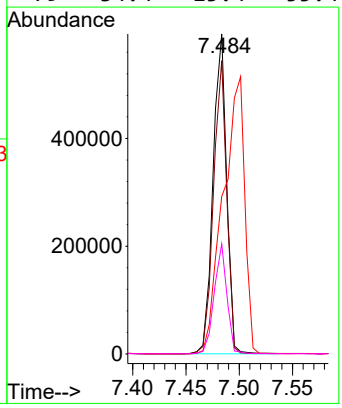
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

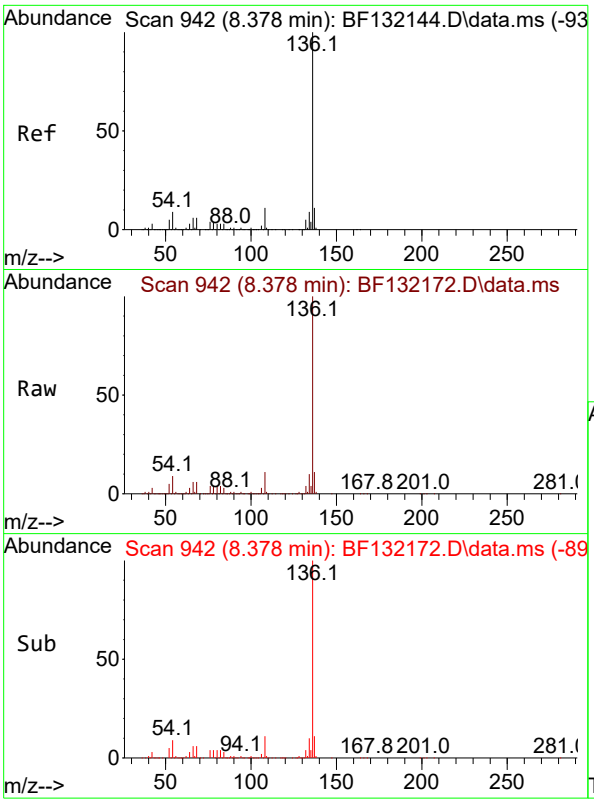


#20
3+4-Methylphenols
Concen: 42.635 ng
RT: 7.484 min Scan# 790
Delta R.T. -0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:107 Resp: 523952

Ion	Ratio	Lower	Upper
107	100		
108	91.6	73.8	113.8
77	49.2	22.8	62.8
79	34.4	15.4	55.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.378 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

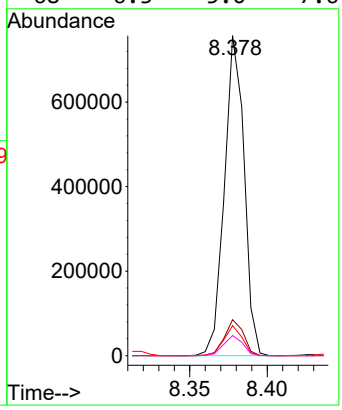
Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

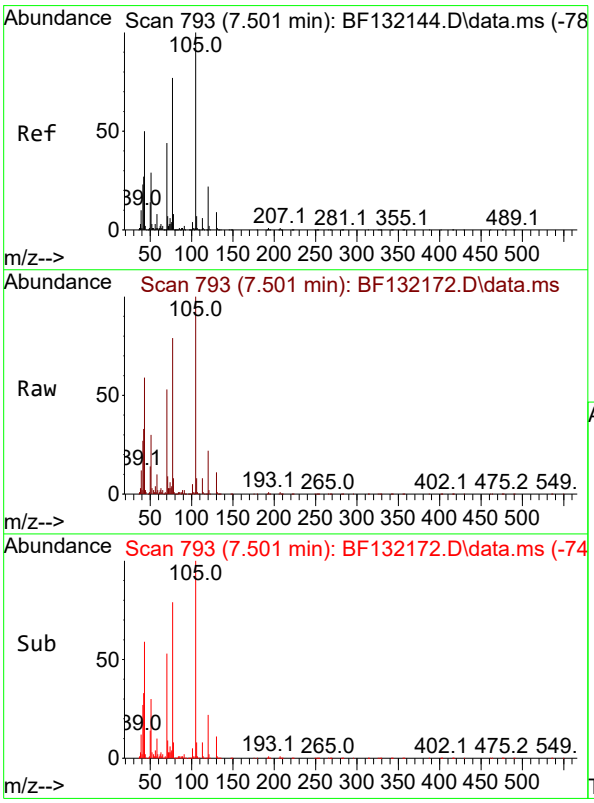
Tgt Ion:136 Resp: 669898

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.4	7.0	10.6
68	6.3	5.0	7.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

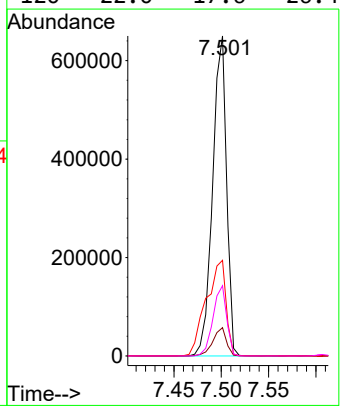


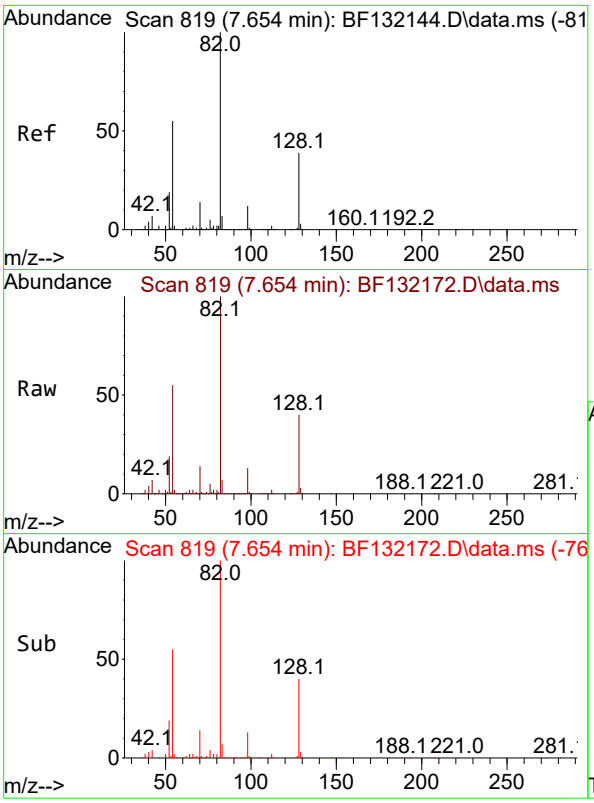


#22
Acetophenone
Concen: 41.350 ng
RT: 7.501 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:105 Resp: 665782

Ion	Ratio	Lower	Upper
105	100		
71	8.9	5.8	8.6#
51	29.9	23.0	34.6
120	22.0	17.6	26.4

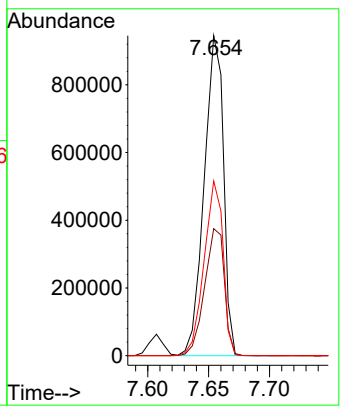




#23
Nitrobenzene-d5
Concen: 82.333 ng
RT: 7.654 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion: 82 Resp: 103824

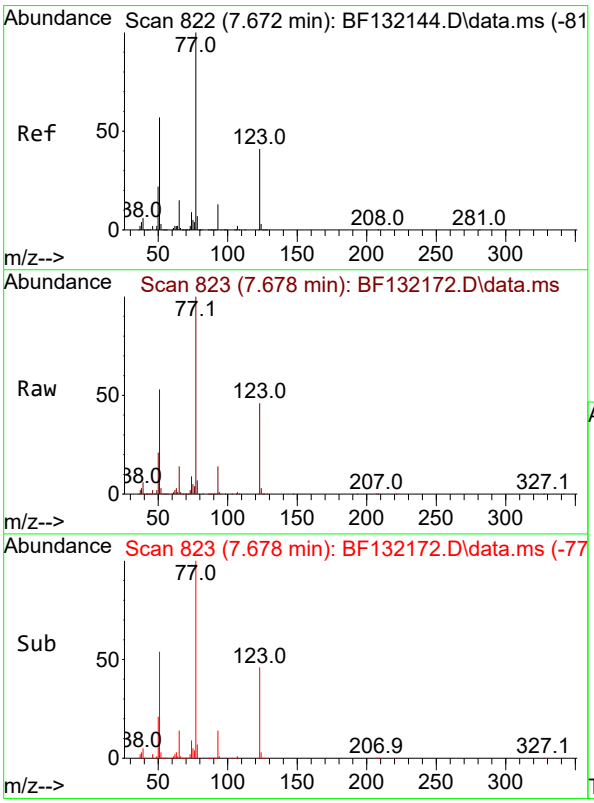
Ion	Ratio	Lower	Upper
82	100		
128	39.7	31.1	46.7
54	54.6	43.9	65.9



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

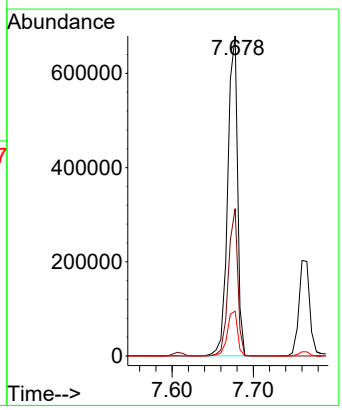
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

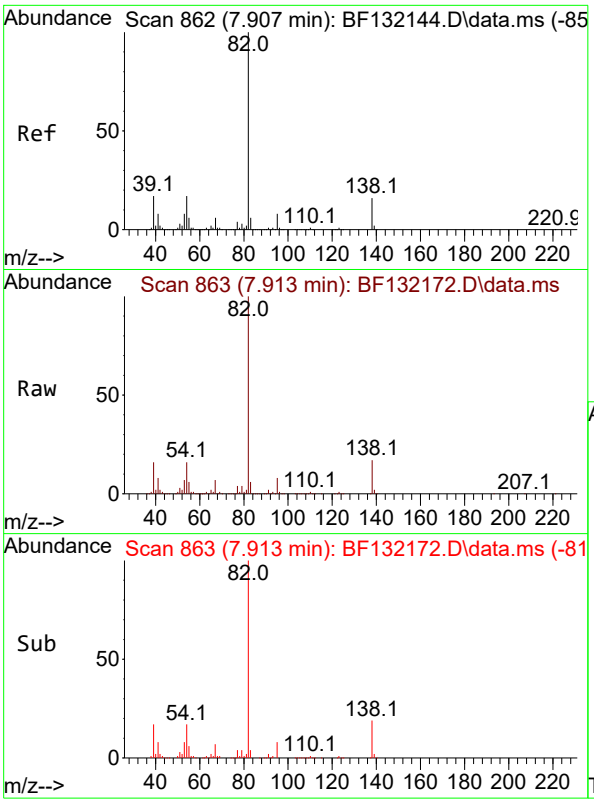


#24
Nitrobenzene
Concen: 42.922 ng
RT: 7.678 min Scan# 823
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion: 77 Resp: 573088

Ion	Ratio	Lower	Upper
77	100		
123	46.0	33.1	49.7
65	14.0	11.7	17.5





#25
Isophorone
Concen: 42.899 ng
RT: 7.913 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

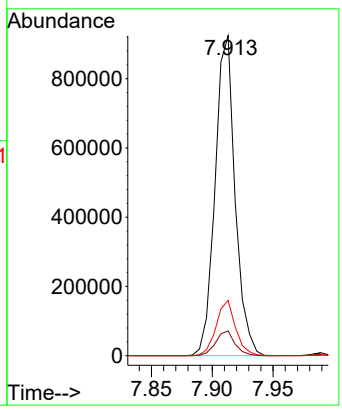
Tgt Ion: 82 Resp: 105848

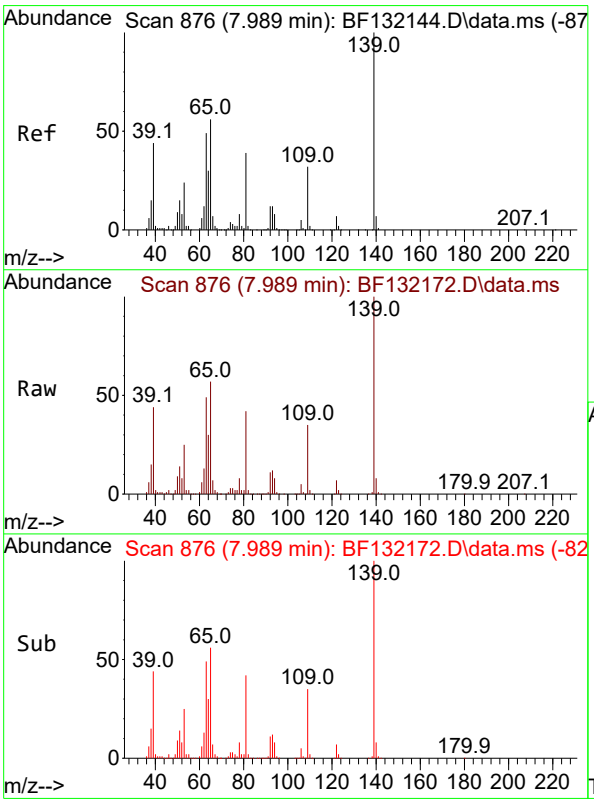
Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.2	9.2
138	17.3	12.9	19.3

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

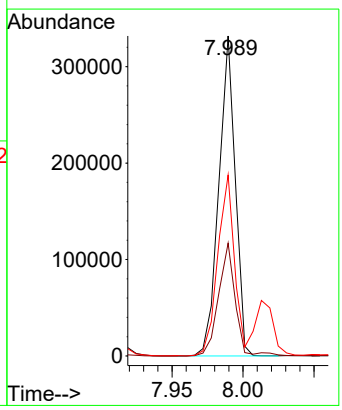


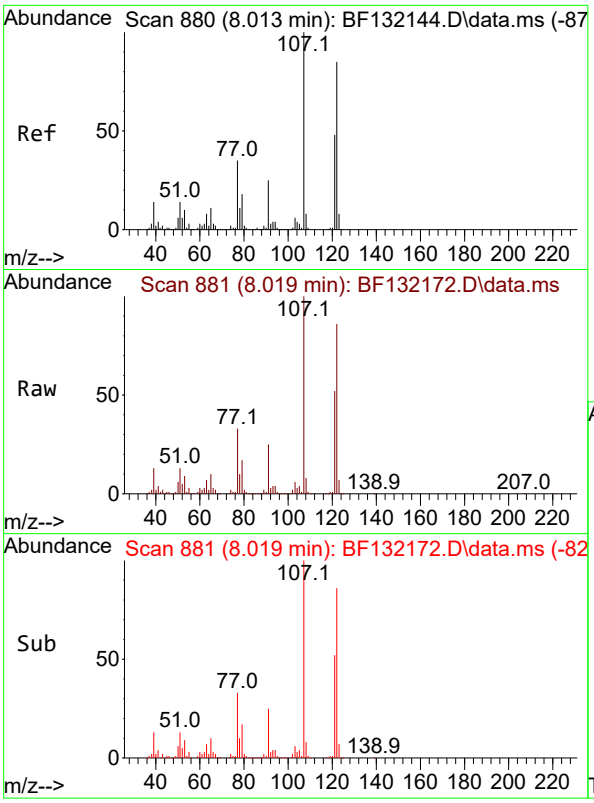


#26
2-Nitrophenol
Concen: 52.343 ng
RT: 7.989 min Scan# 876
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:139 Resp: 266866

Ion	Ratio	Lower	Upper
139	100		
109	35.2	25.8	38.8
65	56.5	44.6	66.8

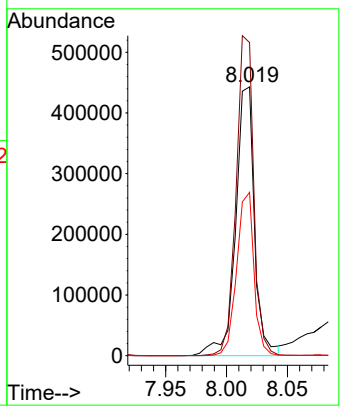




#27
2,4-Dimethylphenol
Concen: 44.753 ng
RT: 8.019 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:122 Resp: 47780

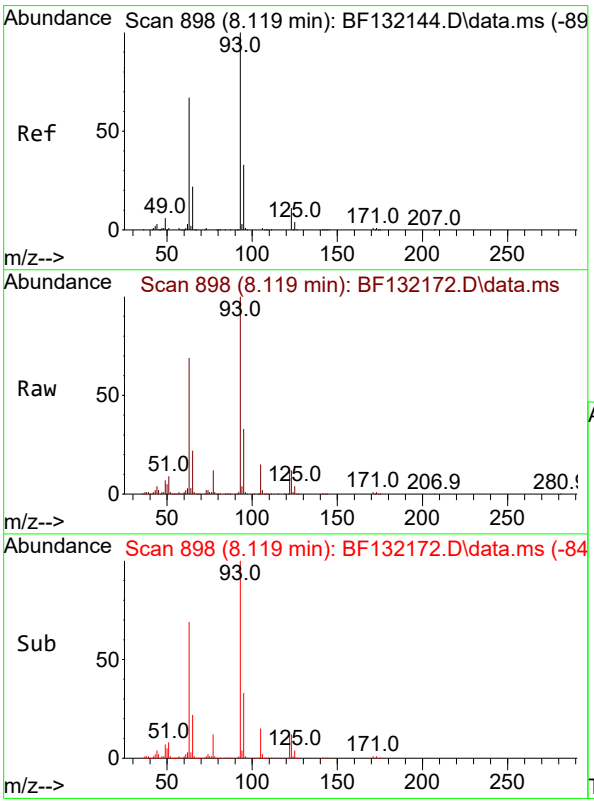
Ion	Ratio	Lower	Upper
122	100		
107	116.5	94.2	141.4
121	60.8	45.6	68.4



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

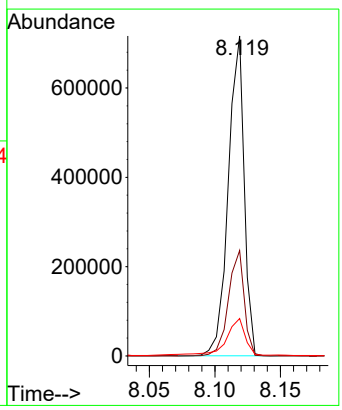
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

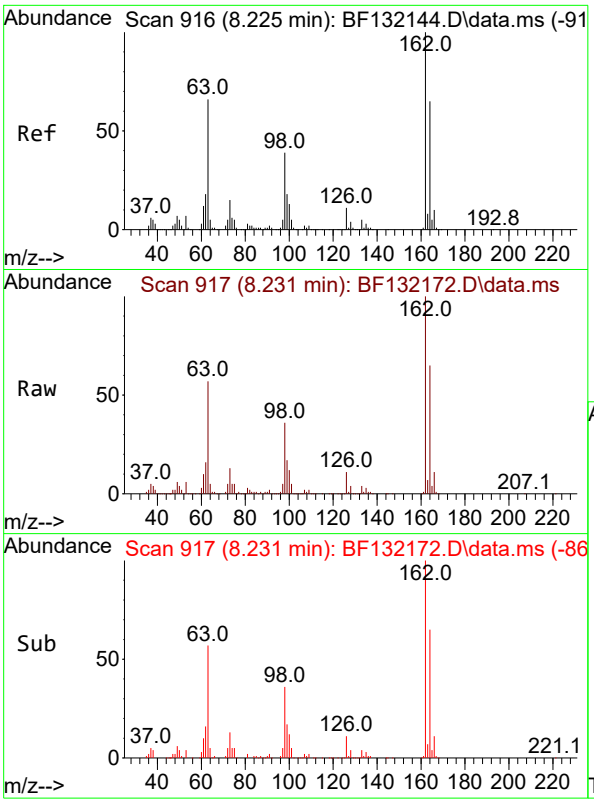


#28
bis(2-Chloroethoxy)methane
Concen: 40.779 ng
RT: 8.119 min Scan# 898
Delta R.T. -0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion: 93 Resp: 603691

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.2
123	11.7	9.1	13.7

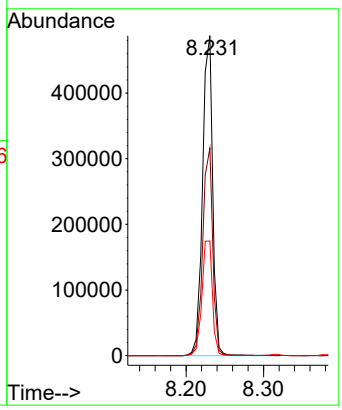




#29
2,4-Dichlorophenol
Concen: 43.742 ng
RT: 8.231 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:162 Resp: 44337

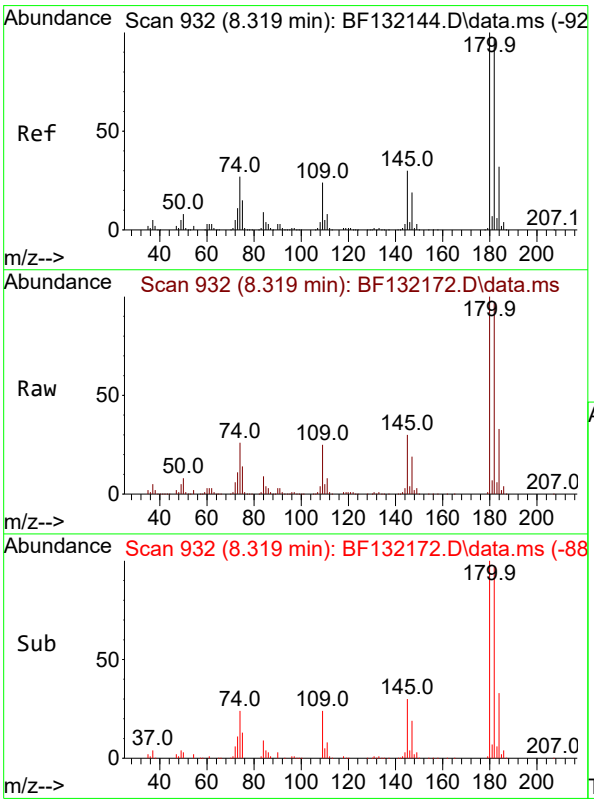
Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.7	84.7
98	35.9	18.8	58.8



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

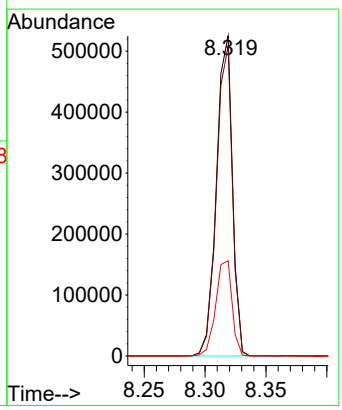
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

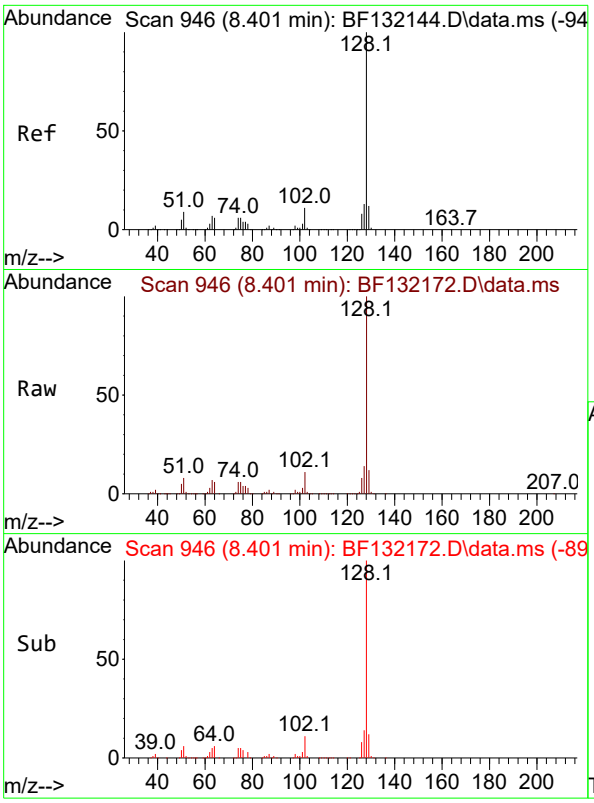


#30
1,2,4-Trichlorobenzene
Concen: 41.772 ng
RT: 8.319 min Scan# 932
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:180 Resp: 480908

Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.4	116.0
145	29.8	23.8	35.6





#31
Naphthalene
Concen: 40.595 ng
RT: 8.401 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

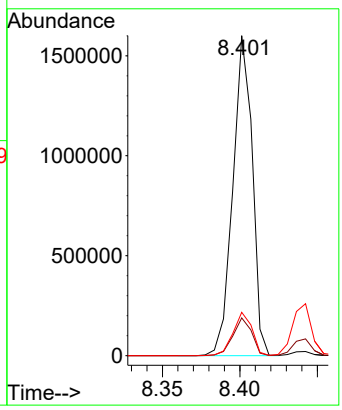
Tgt Ion:128 Resp: 139665

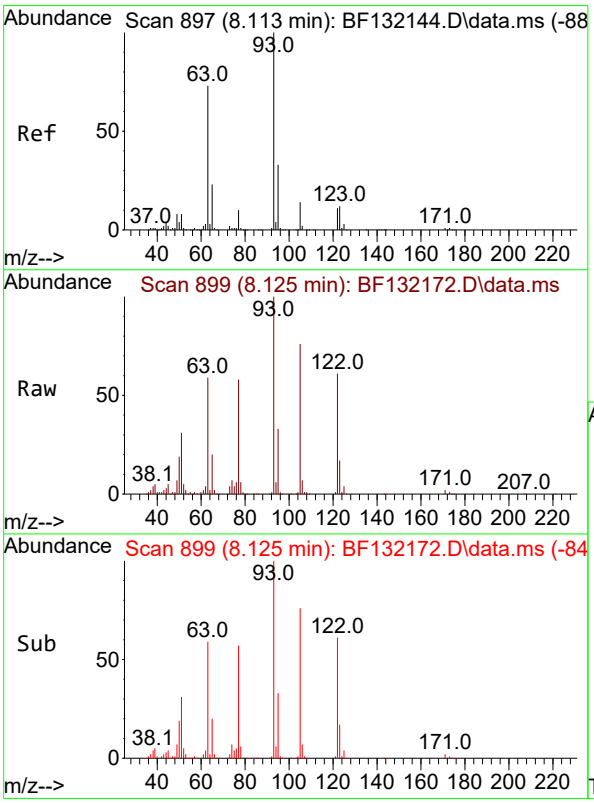
Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.3	13.9
127	13.5	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

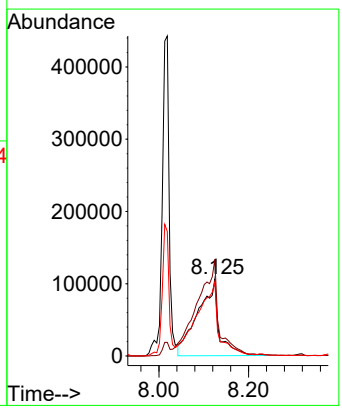


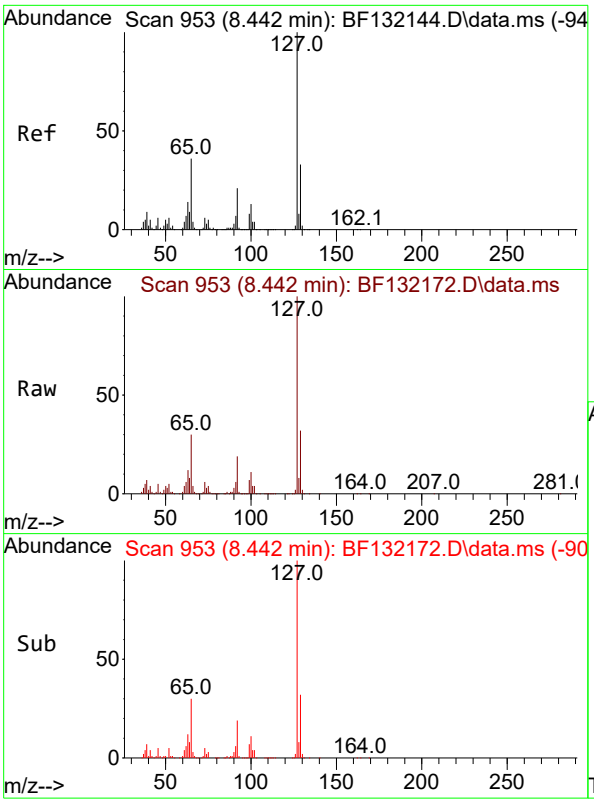


#32
Benzoic acid
Concen: 48.766 ng
RT: 8.125 min Scan# 899
Delta R.T. 0.012 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:122 Resp: 348706

Ion	Ratio	Lower	Upper
122	100		
105	125.4	96.8	136.8
77	96.3	72.5	112.5

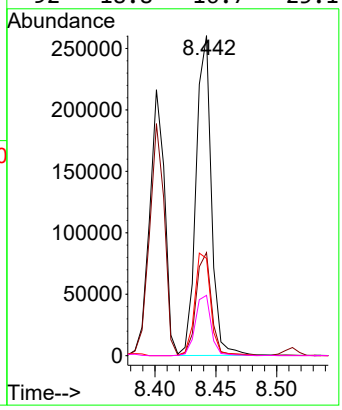




#33
4-Chloroaniline
Concen: 15.405 ng
RT: 8.442 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:127 Resp: 22681

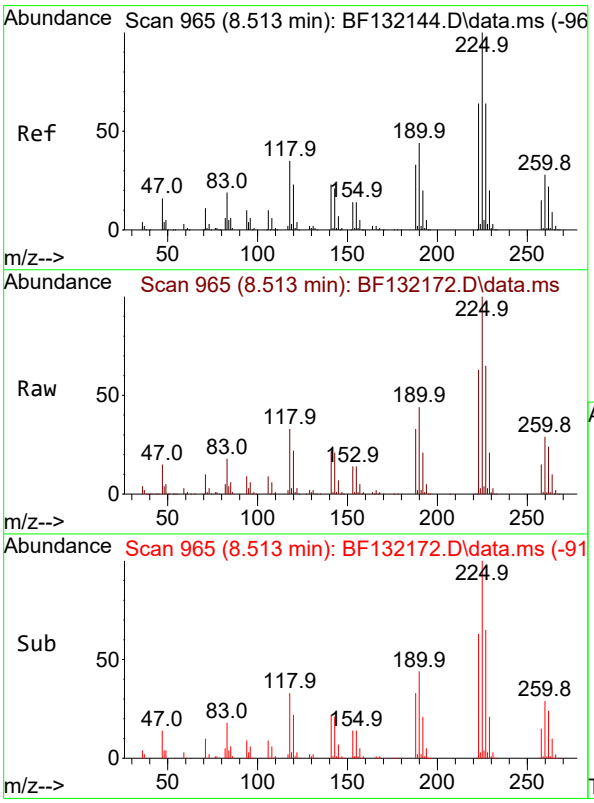
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.0	39.0
65	30.4	28.4	42.6
92	18.8	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

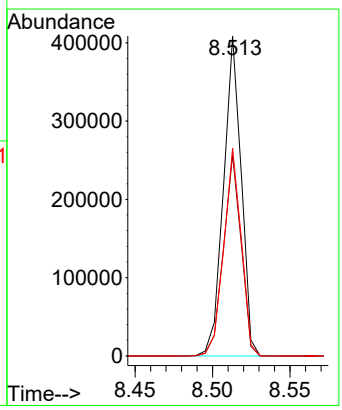
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

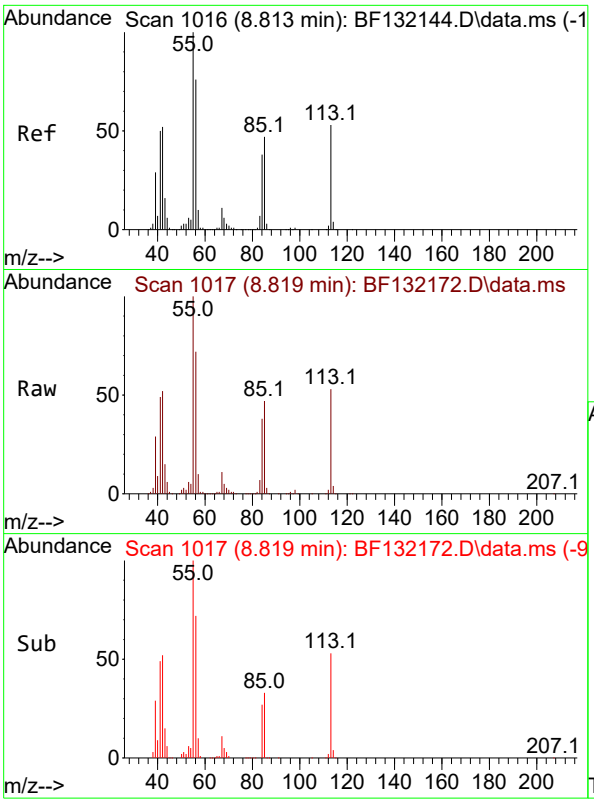


#34
Hexachlorobutadiene
Concen: 41.930 ng
RT: 8.513 min Scan# 965
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:225 Resp: 324286

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.9	76.3
227	65.0	50.8	76.2





#35
Caprolactam
Concen: 51.194 ng m
RT: 8.819 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

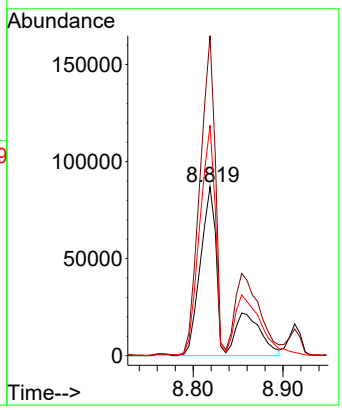
Tgt Ion:113 Resp: 14715

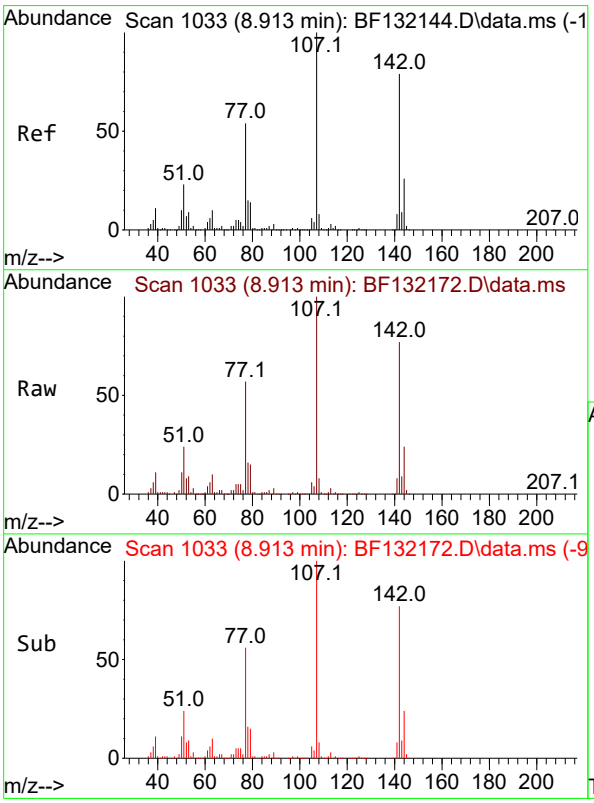
Ion	Ratio	Lower	Upper
113	100		
55	189.4	167.5	207.5
56	136.4	122.0	162.0

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

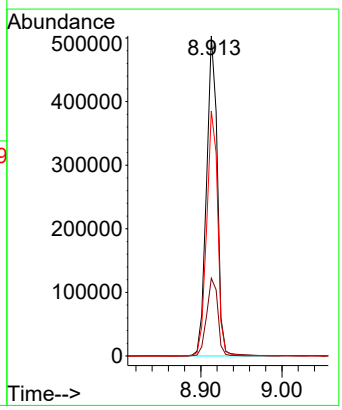


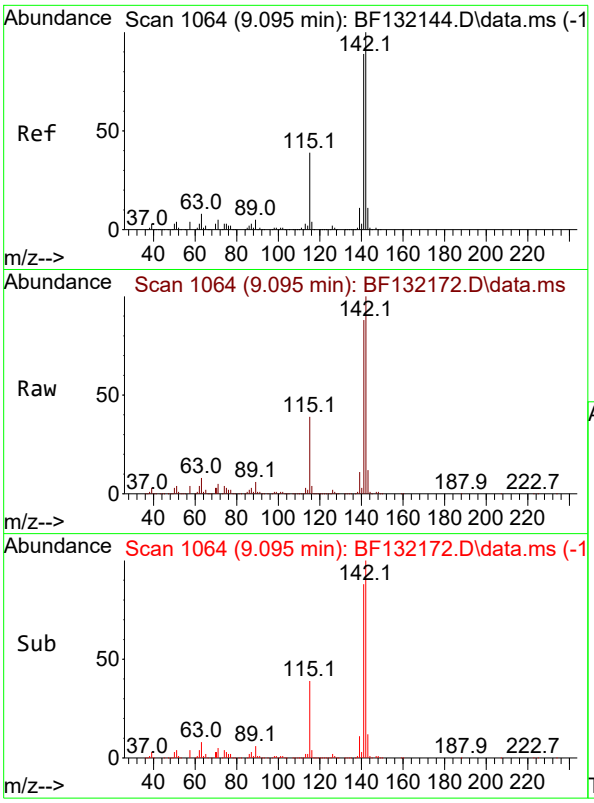


#36
4-Chloro-3-methylphenol
Concen: 45.475 ng
RT: 8.913 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:107 Resp: 463852

Ion	Ratio	Lower	Upper
107	100		
144	24.3	21.0	31.4
142	76.5	63.6	95.4





#37
2-Methylnaphthalene
Concen: 39.031 ng
RT: 9.095 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

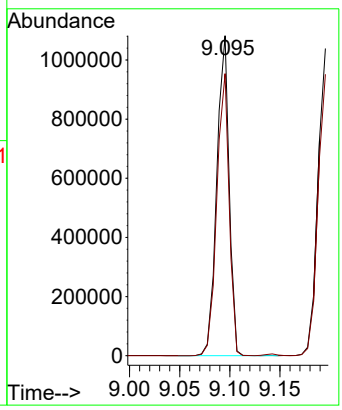
Tgt Ion:142 Resp: 92454

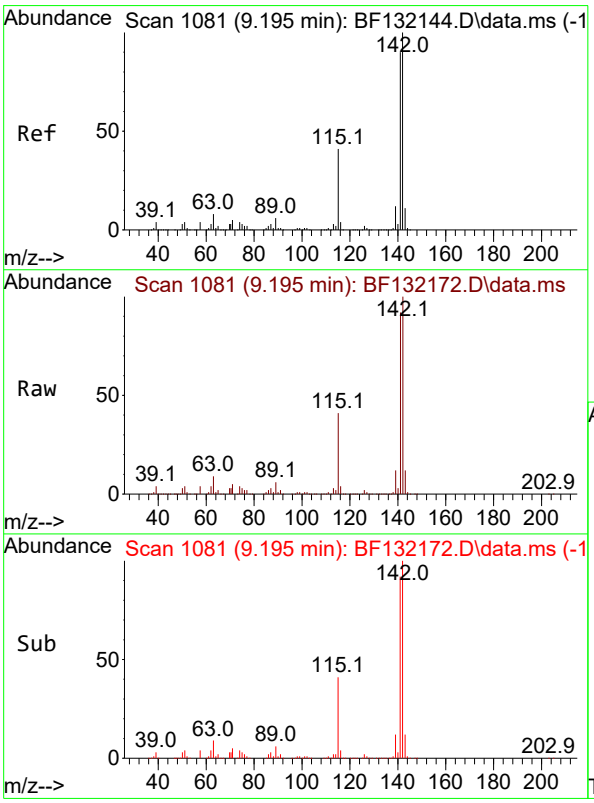
Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.1	106.7

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

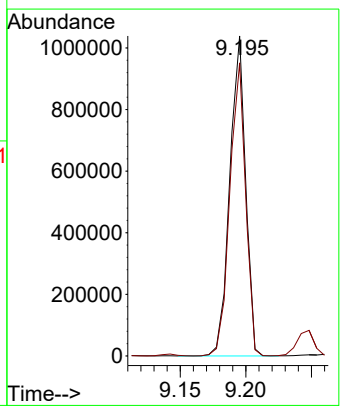


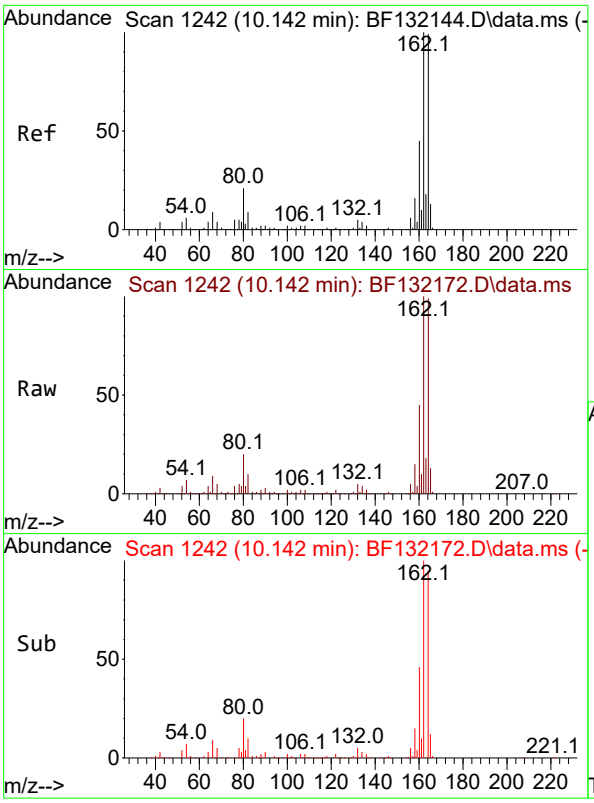


#38
1-Methylnaphthalene
Concen: 39.530 ng
RT: 9.195 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:142 Resp: 871246

Ion	Ratio	Lower	Upper
142	100		
141	91.6	72.1	108.1

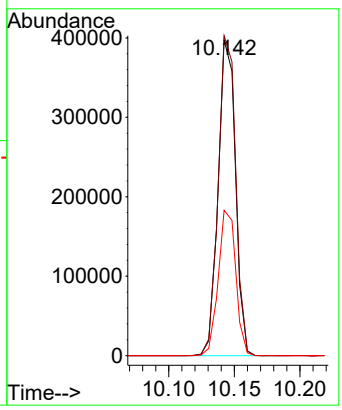




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.142 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:164 Resp: 36337

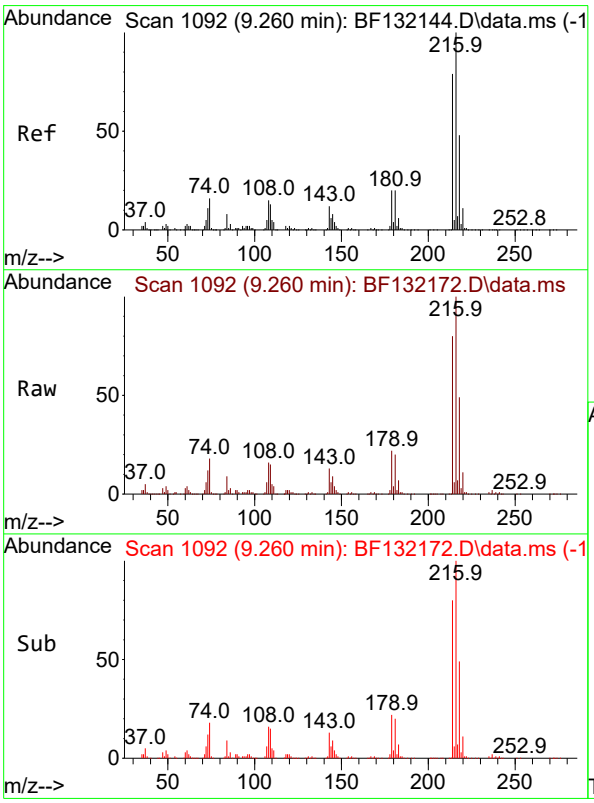
Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.2	121.8
160	46.1	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

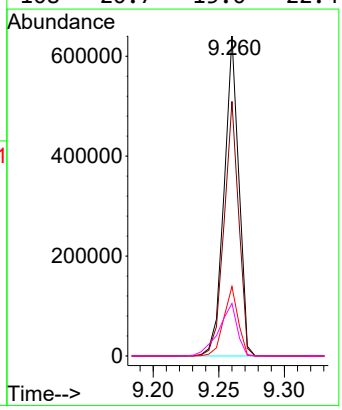
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

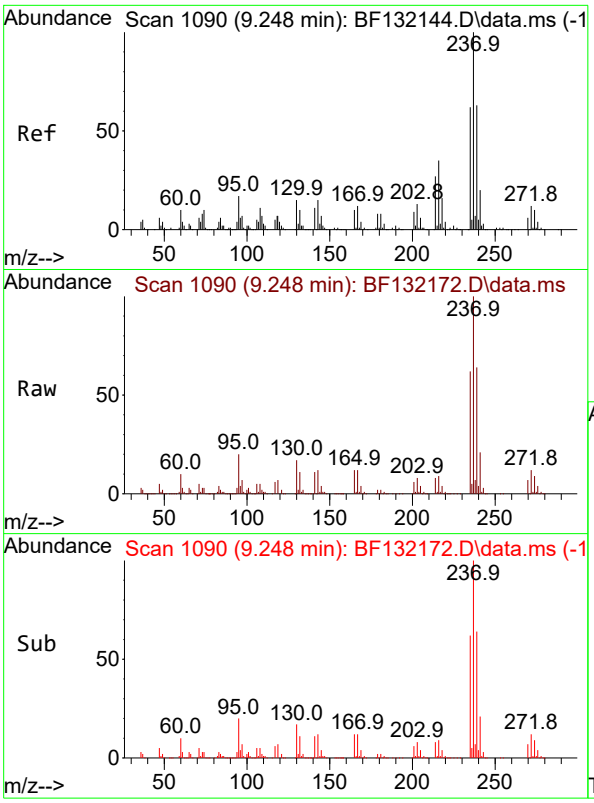


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.340 ng
RT: 9.260 min Scan# 1092
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:216 Resp: 497372

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.1	94.7
179	21.2	16.6	24.8
108	20.7	15.0	22.4





#41
Hexachlorocyclopentadiene
Concen: 93.842 ng
RT: 9.248 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

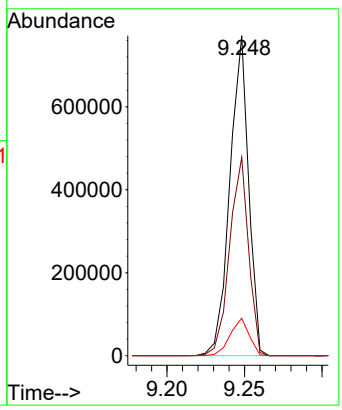
Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

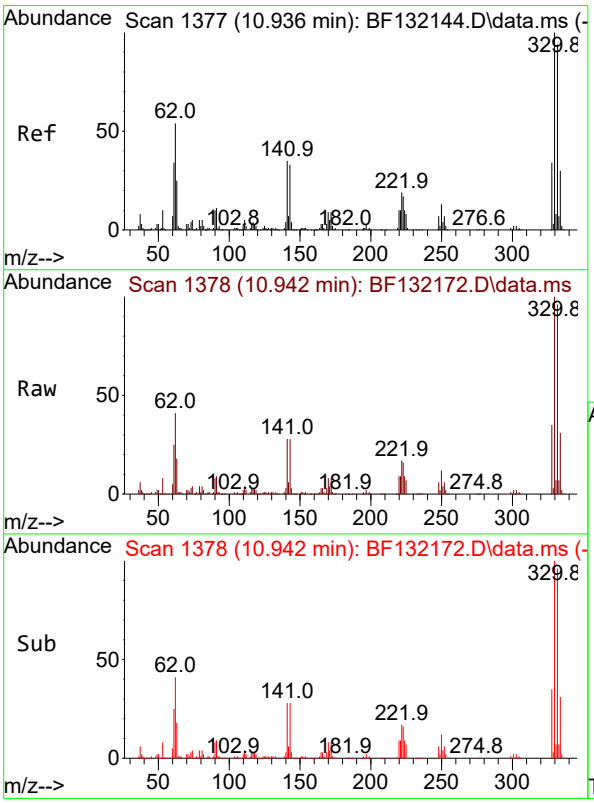
Tgt Ion:237 Resp: 64742

Ion	Ratio	Lower	Upper
237	100		
235	62.0	41.7	81.7
272	11.7	0.0	32.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

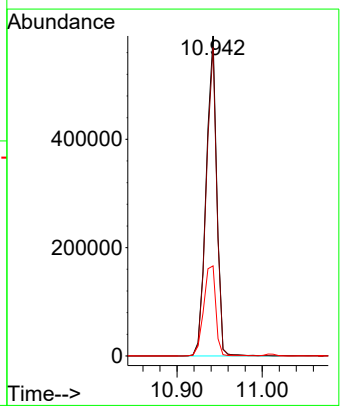


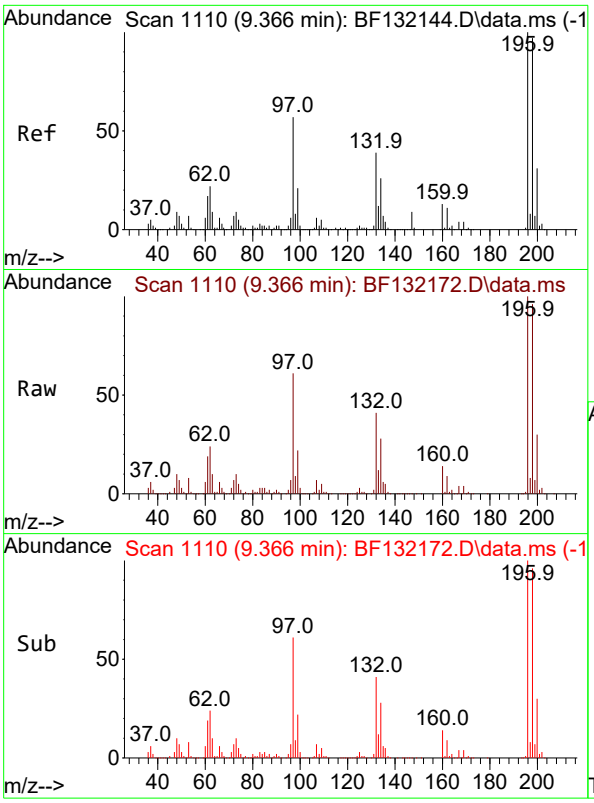


#42
2,4,6-Tribromophenol
Concen: 130.751 ng
RT: 10.942 min Scan# 1378
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:330 Resp: 507491

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.6	113.4
141	32.3	27.1	40.7

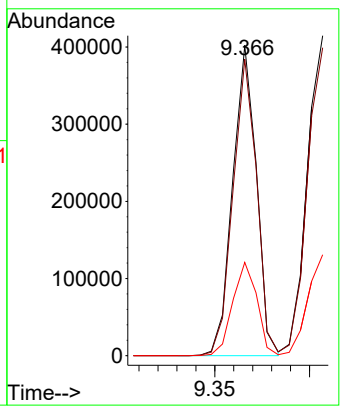




#43
2,4,6-Trichlorophenol
Concen: 44.470 ng
RT: 9.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:196 Resp: 34892

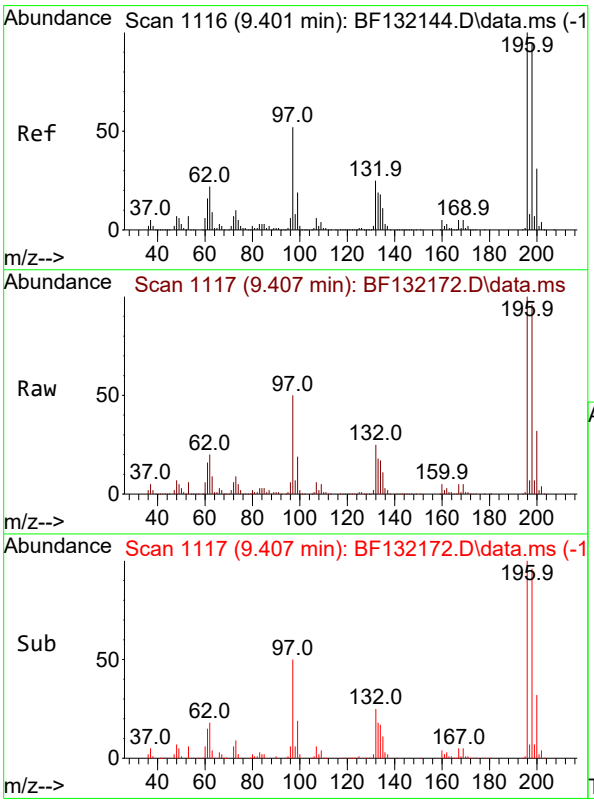
Ion	Ratio	Lower	Upper
196	100		
198	95.5	77.4	116.2
200	30.1	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

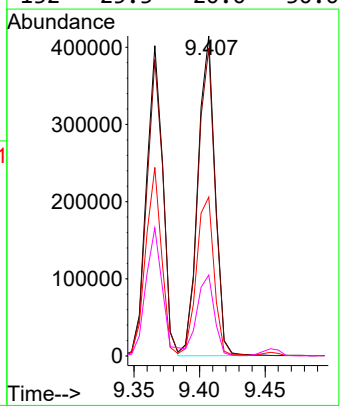
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

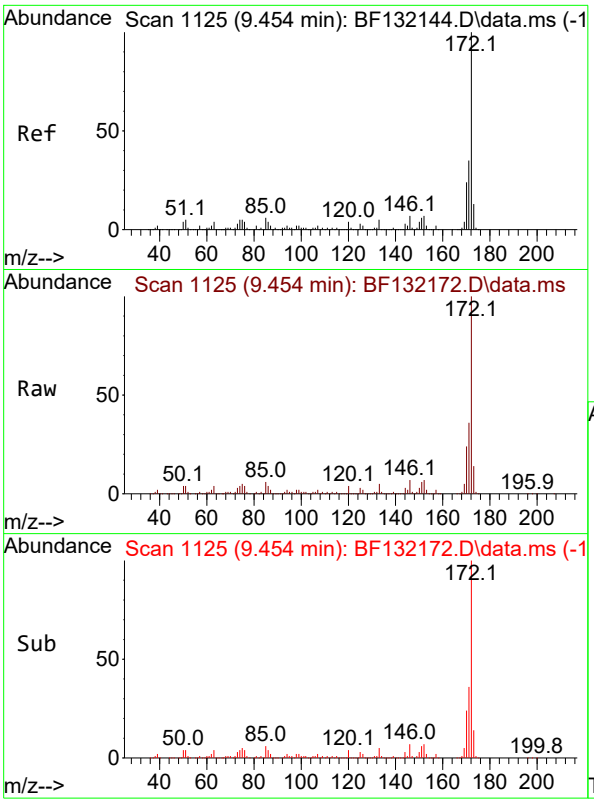


#44
2,4,5-Trichlorophenol
Concen: 41.079 ng
RT: 9.407 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:196 Resp: 376966

Ion	Ratio	Lower	Upper
196	100		
198	96.3	75.3	112.9
97	49.7	41.3	61.9
132	25.3	20.0	30.0

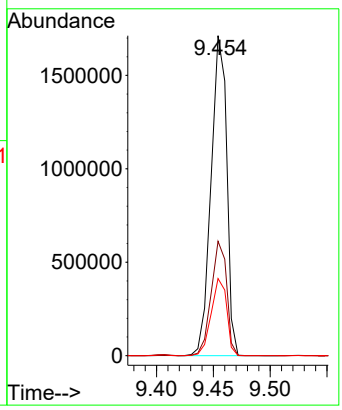




#45
2-Fluorobiphenyl
Concen: 66.077 ng
RT: 9.454 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:172 Resp: 164317

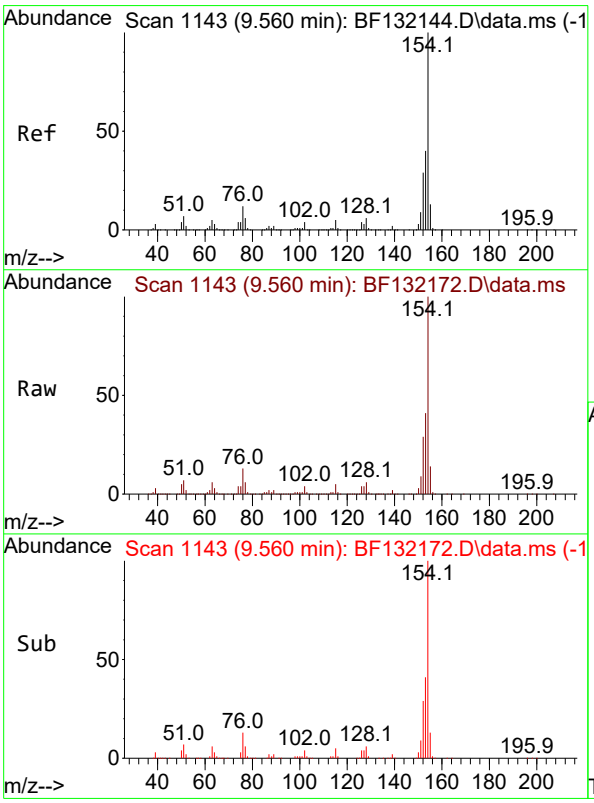
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	24.1	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

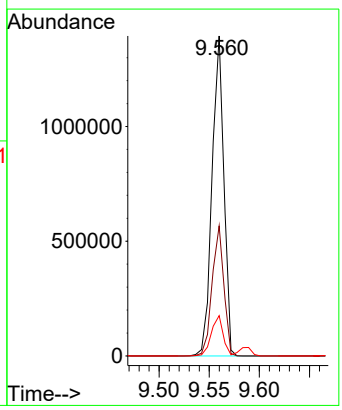
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

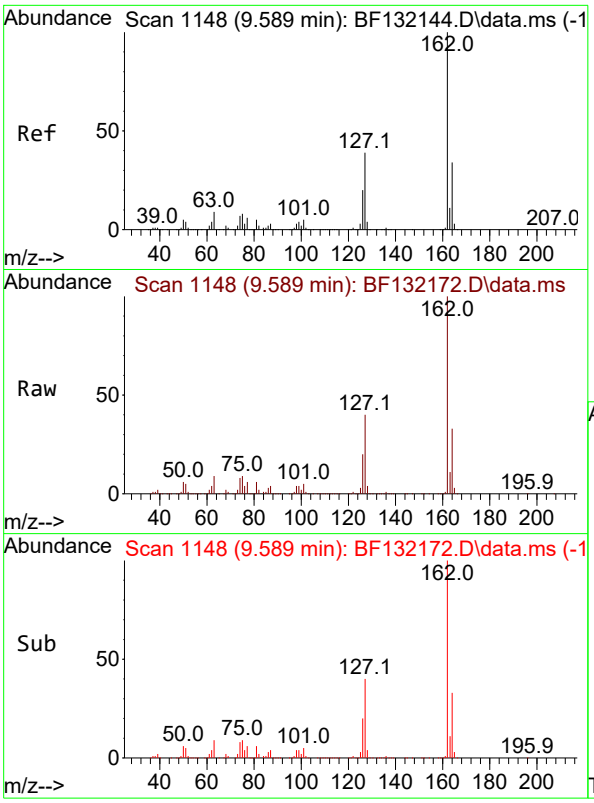


#46
1,1'-Biphenyl
Concen: 40.032 ng
RT: 9.560 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:154 Resp: 1147607

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.2	60.2
76	12.6	0.0	32.2

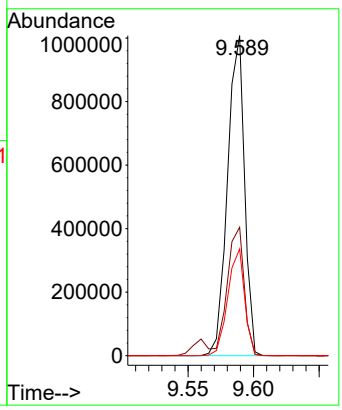




#47
2-Chloronaphthalene
Concen: 41.054 ng
RT: 9.589 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:162 Resp: 90979

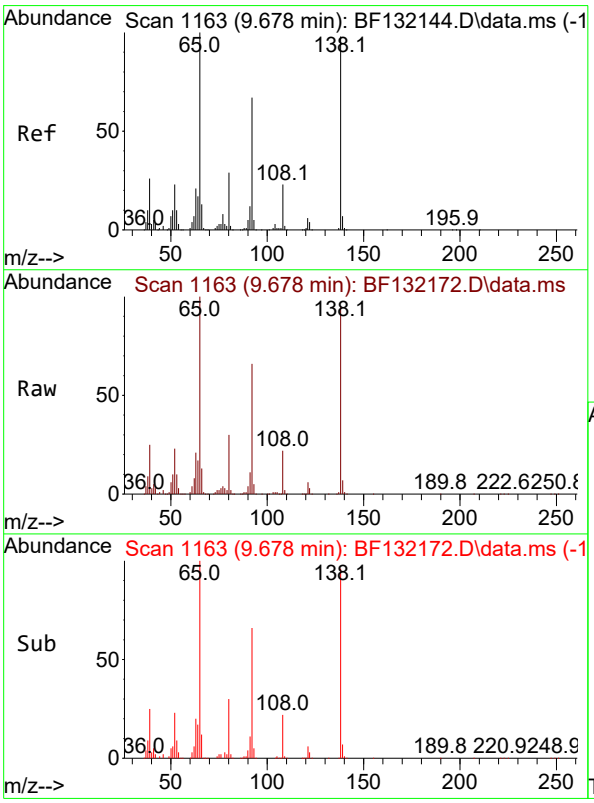
Ion	Ratio	Lower	Upper
162	100		
127	40.1	31.1	46.7
164	33.3	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

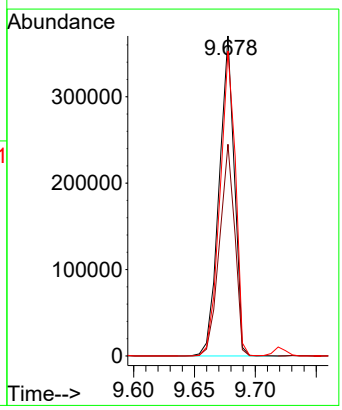
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

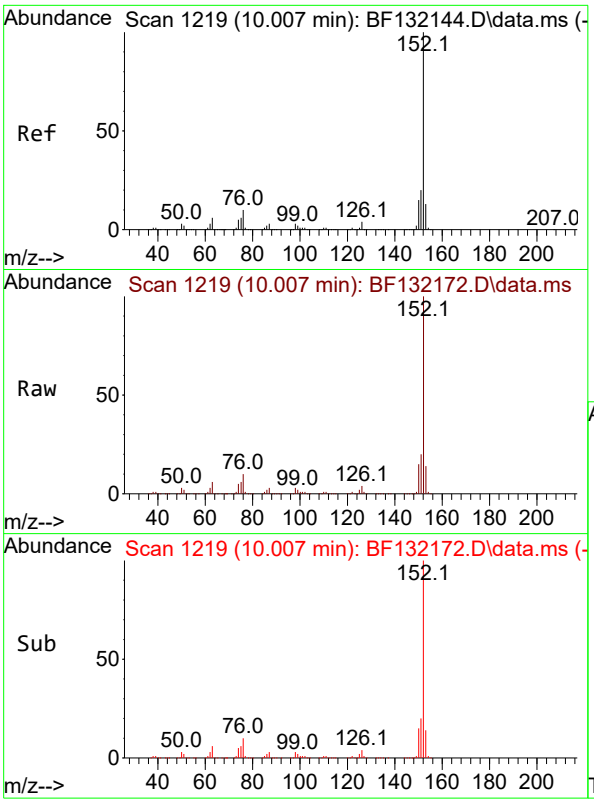


#48
2-Nitroaniline
Concen: 45.649 ng
RT: 9.678 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion: 65 Resp: 322574

Ion	Ratio	Lower	Upper
65	100		
92	66.2	53.8	80.6
138	95.3	78.7	118.1

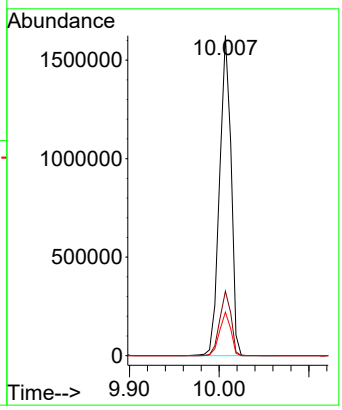




#49
Acenaphthylene
Concen: 40.685 ng
RT: 10.007 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:152 Resp: 144234

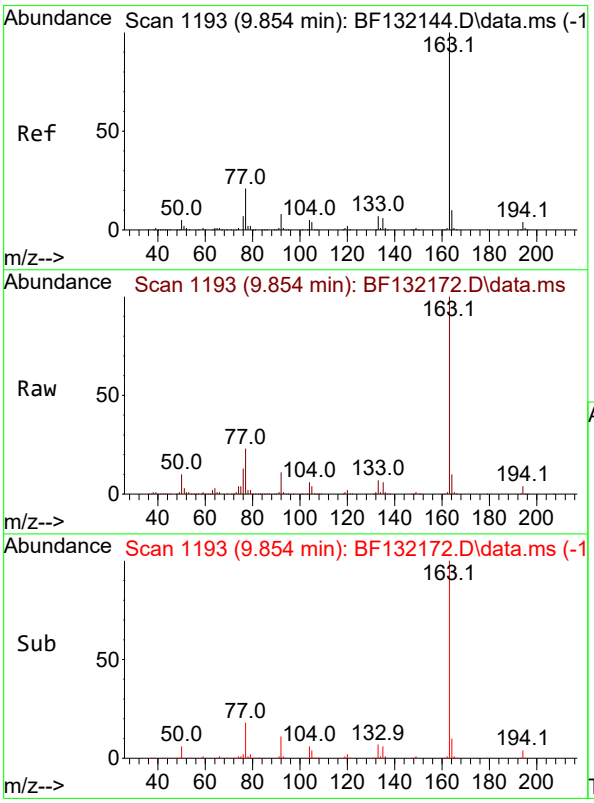
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.4	24.6
153	13.6	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

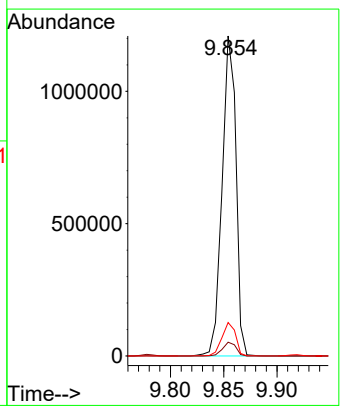
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

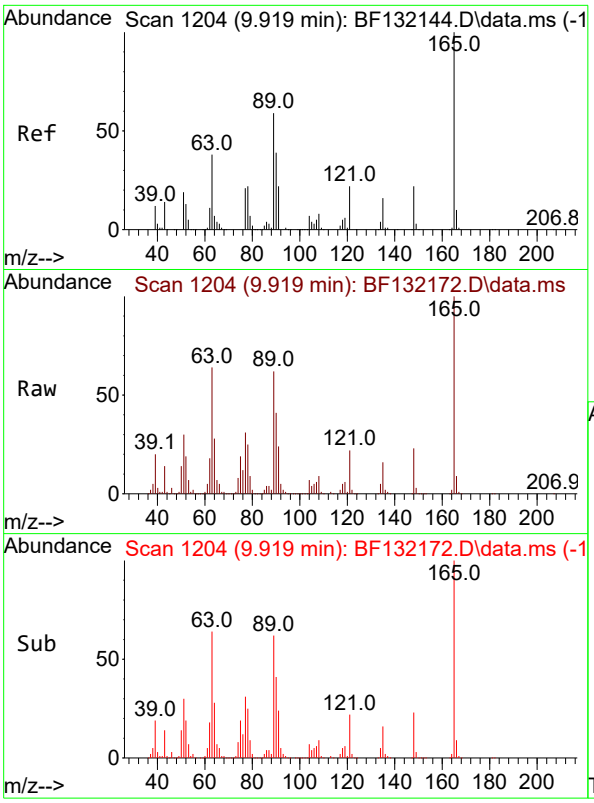


#50
Dimethylphthalate
Concen: 41.405 ng
RT: 9.854 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:163 Resp: 1089664

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.1	4.7
164	10.5	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 49.258 ng
RT: 9.919 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

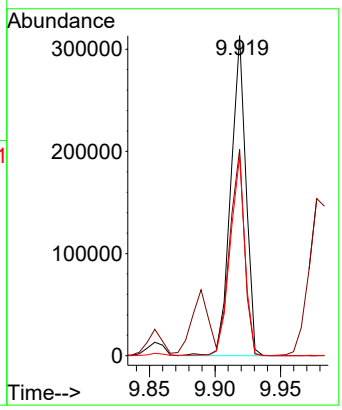
Tgt Ion:165 Resp: 25126

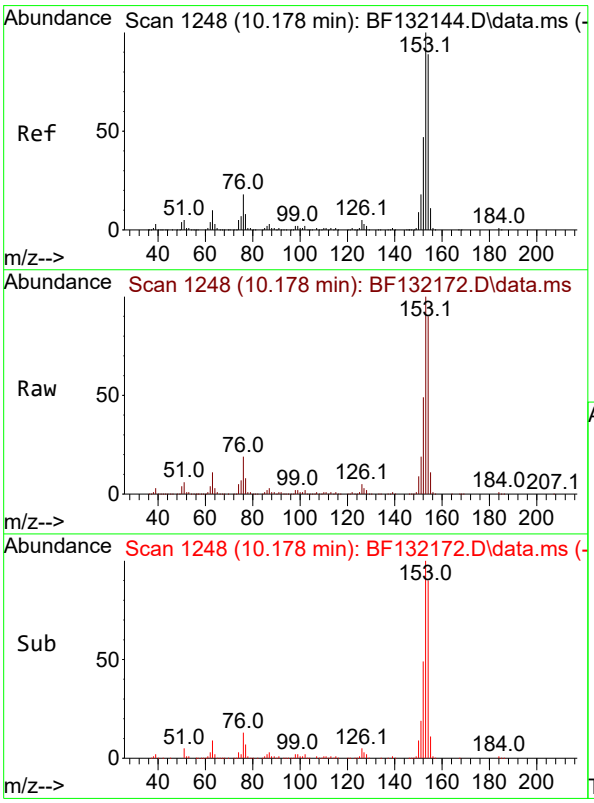
Ion	Ratio	Lower	Upper
165	100		
63	64.5	46.6	70.0
89	62.5	47.4	71.2

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

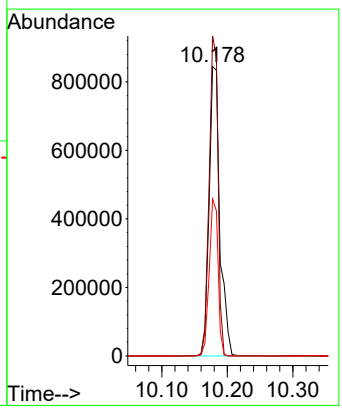


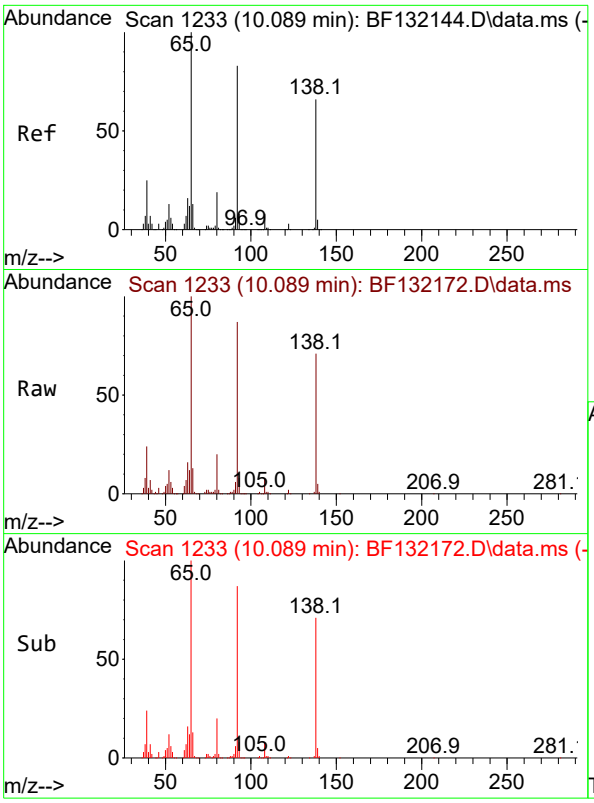


#52
Acenaphthene
Concen: 45.122 ng
RT: 10.178 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:154 Resp: 962180

Ion	Ratio	Lower	Upper
154	100		
153	110.6	89.8	134.8
152	54.3	42.3	63.5





#53
3-Nitroaniline
Concen: 31.502 ng
RT: 10.089 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

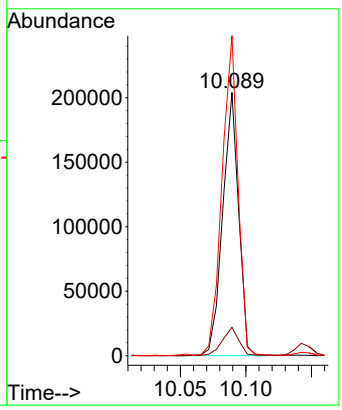
Tgt Ion:138 Resp: 17180

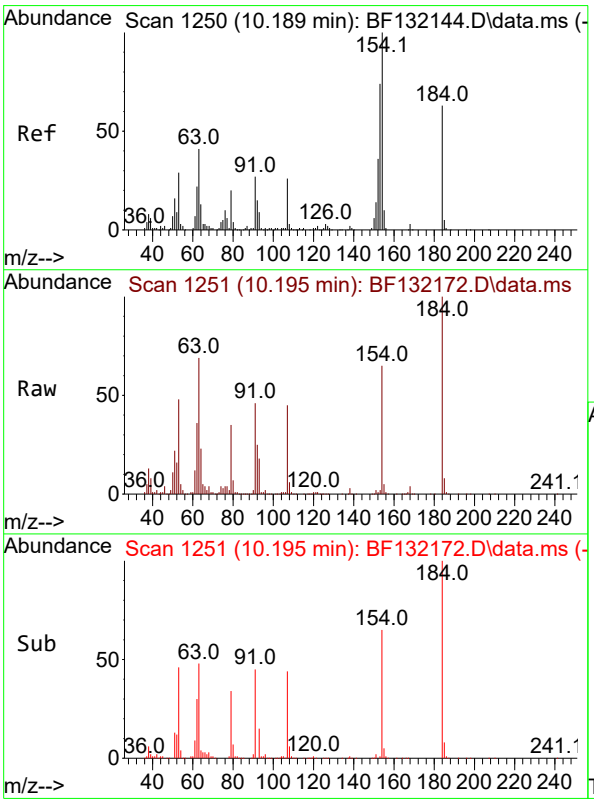
Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.1	13.7
92	121.6	101.2	151.8

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

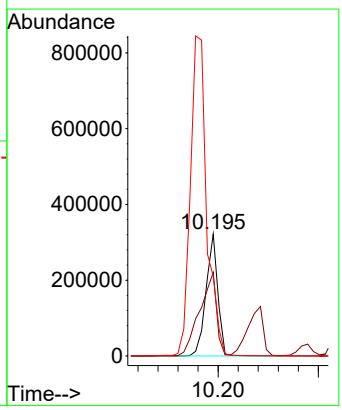


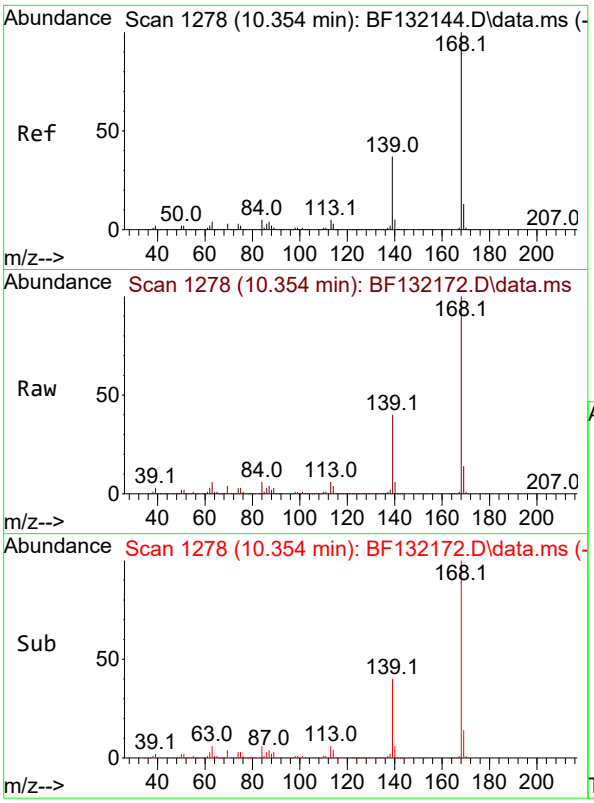


#54
2,4-Dinitrophenol
Concen: 108.931 ng
RT: 10.195 min Scan# 1251
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:184 Resp: 264179

Ion	Ratio	Lower	Upper
184	100		
63	68.6	53.2	79.8
154	65.4	129.4	194.0#

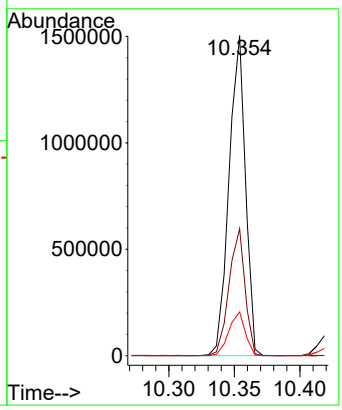




#55
Dibenzofuran
Concen: 39.795 ng
RT: 10.354 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:168 Resp: 131139

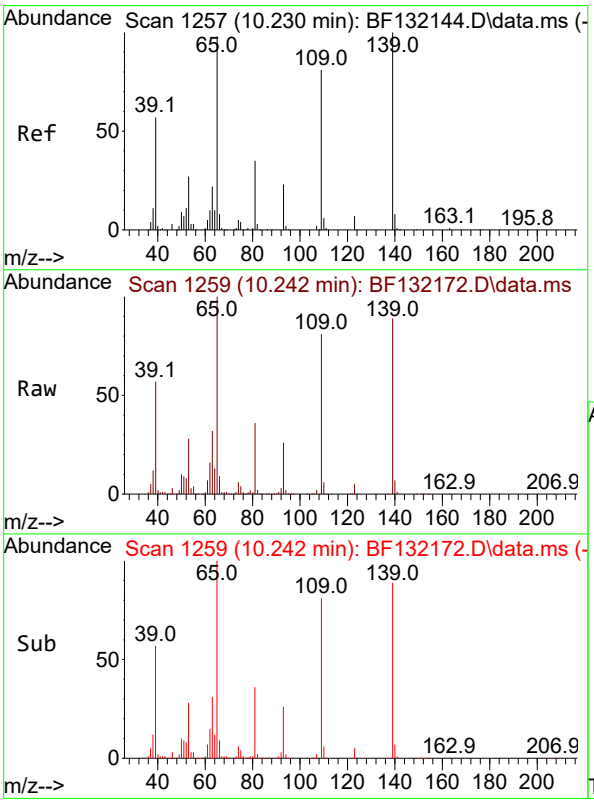
Ion	Ratio	Lower	Upper
168	100		
139	39.7	29.8	44.8
169	13.7	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

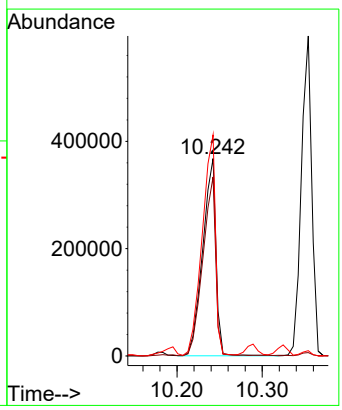
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

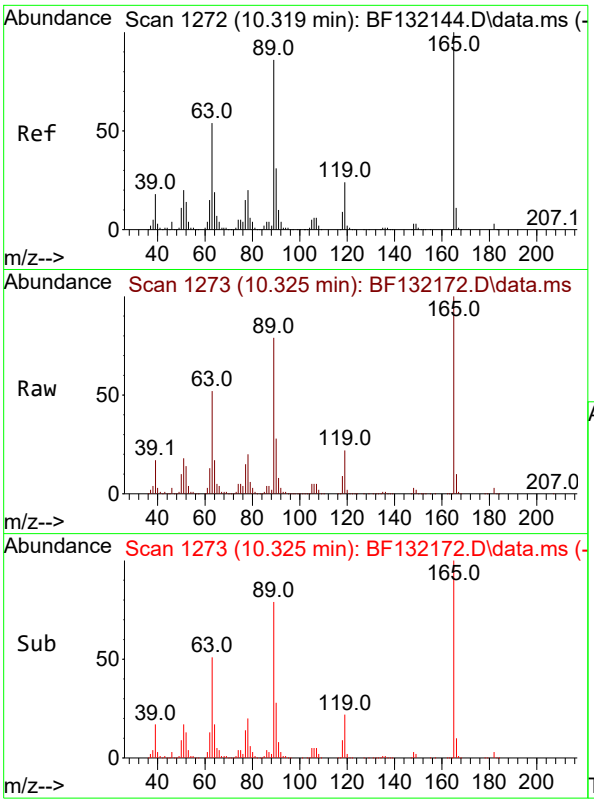


#56
4-Nitrophenol
Concen: 100.269 ng
RT: 10.242 min Scan# 1259
Delta R.T. 0.012 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:139 Resp: 397985

Ion	Ratio	Lower	Upper
139	100		
109	90.6	61.0	101.0
65	112.0	79.3	119.3

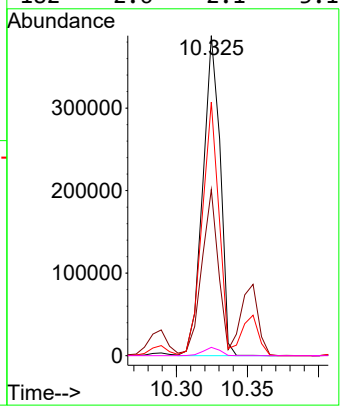




#57
2,4-Dinitrotoluene
Concen: 53.885 ng
RT: 10.325 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:165 Resp: 32993

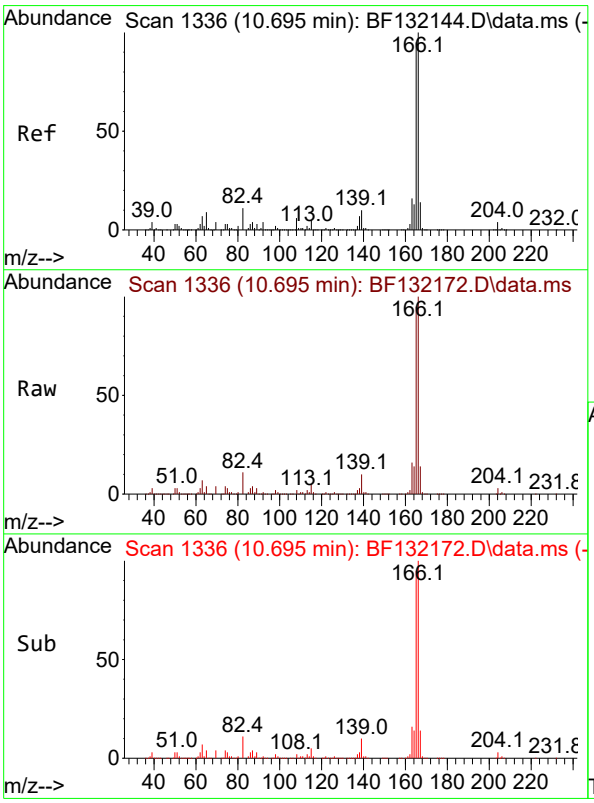
Ion	Ratio	Lower	Upper
165	100		
63	51.9	43.5	65.3
89	79.2	69.0	103.6
182	2.6	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

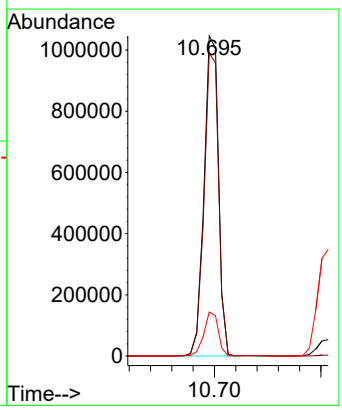
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

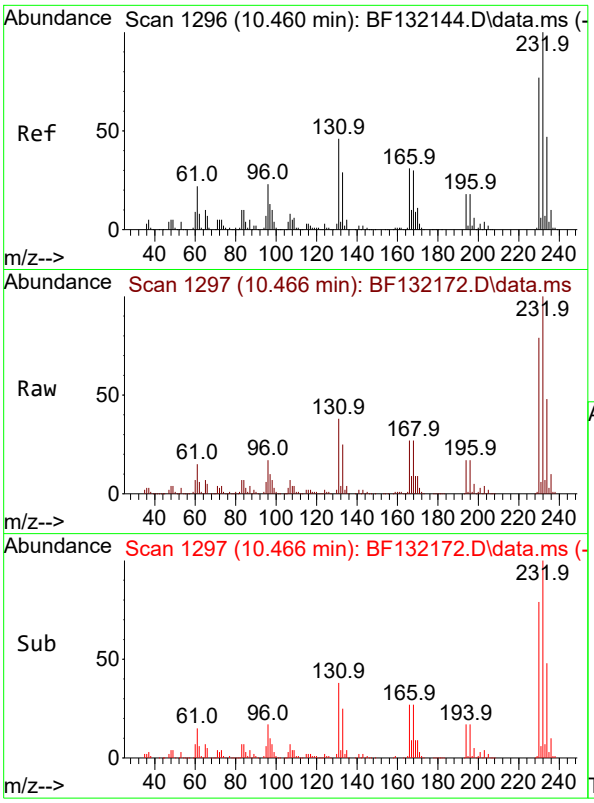


#58
Fluorene
Concen: 40.552 ng
RT: 10.695 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:166 Resp: 990200

Ion	Ratio	Lower	Upper
166	100		
165	94.6	76.4	114.6
167	13.8	11.0	16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.282 ng
RT: 10.466 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

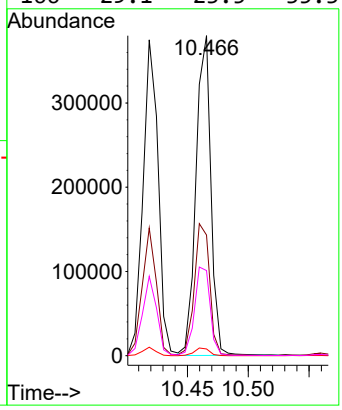
Tgt Ion:232 Resp: 32307

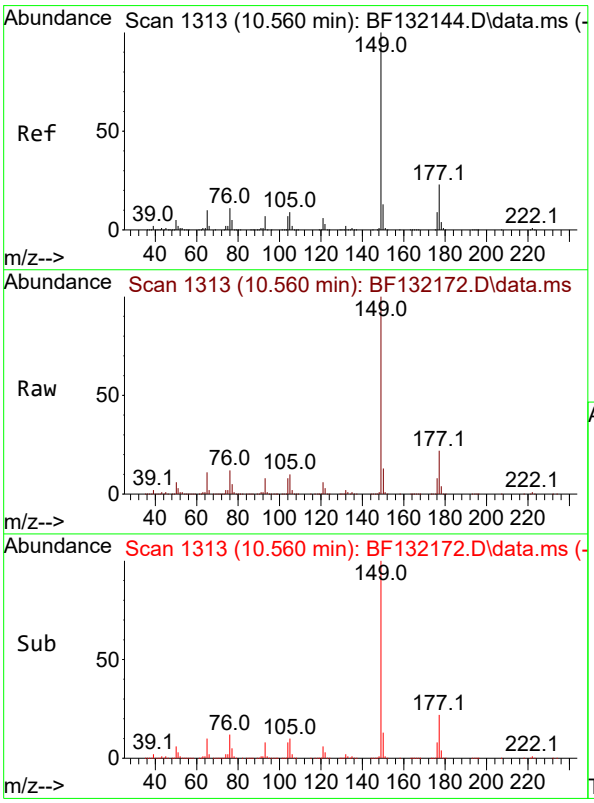
Ion	Ratio	Lower	Upper
232	100		
131	42.5	33.8	50.6
130	2.4	1.9	2.9
166	29.1	23.5	35.3

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

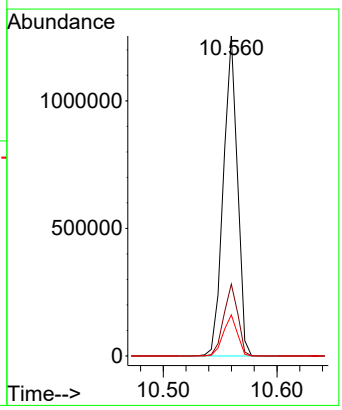


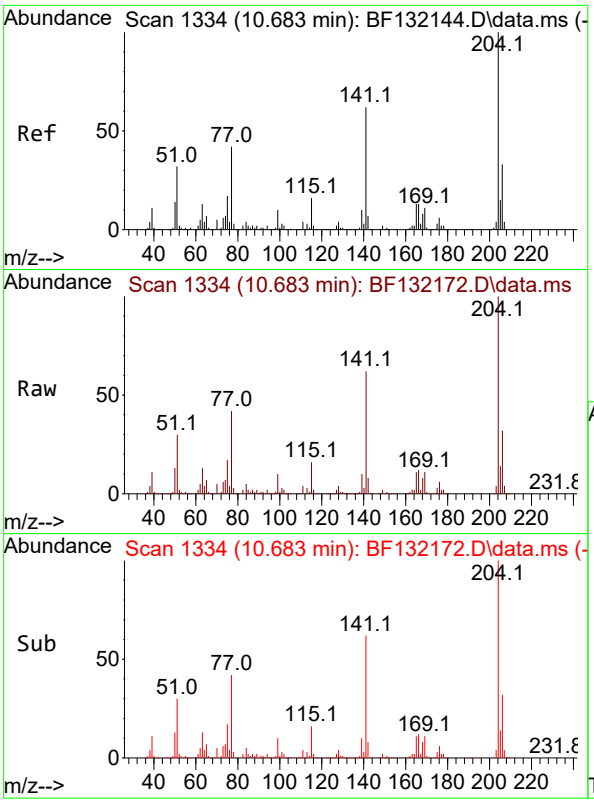


#60
Diethylphthalate
Concen: 41.919 ng
RT: 10.560 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:149 Resp: 1081834

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.4	27.6
150	12.9	10.1	15.1

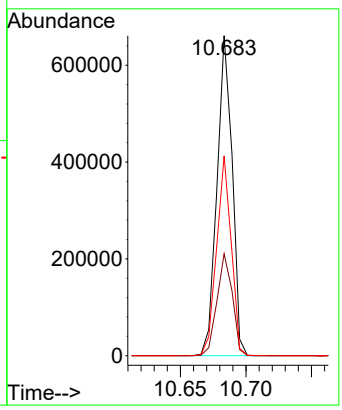




#61
4-Chlorophenyl-phenylether
Concen: 40.480 ng
RT: 10.683 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:204 Resp: 52928

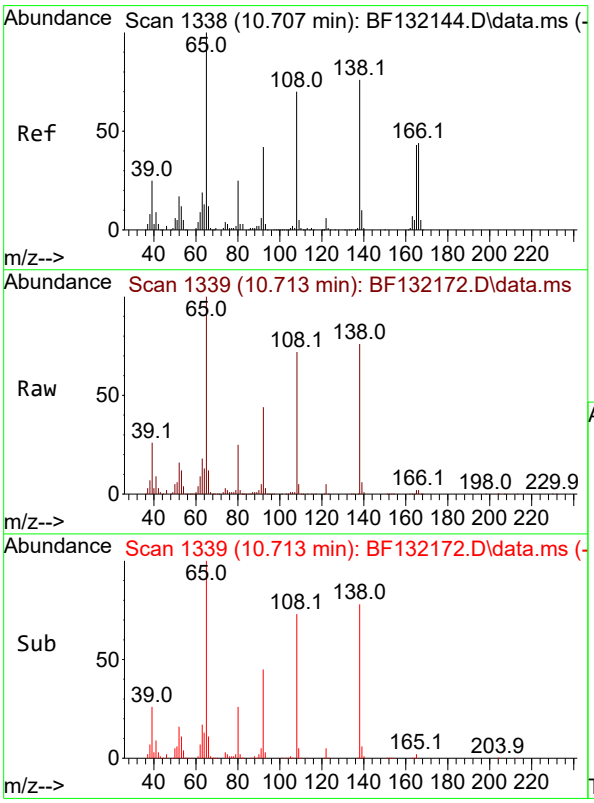
Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.4	39.6
141	62.5	49.2	73.8



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

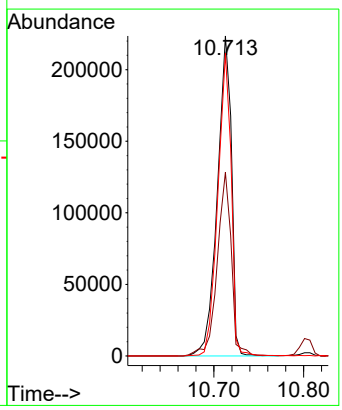
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

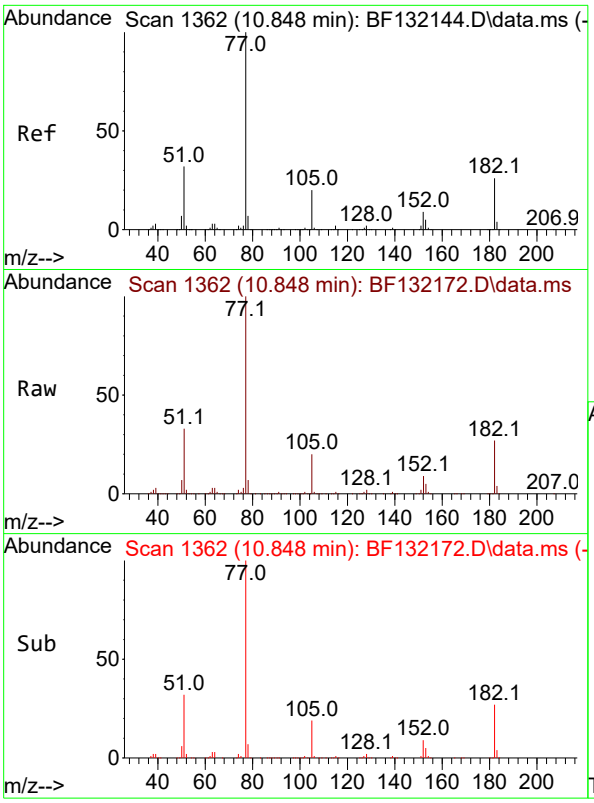


#62
4-Nitroaniline
Concen: 48.187 ng
RT: 10.713 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:138 Resp: 244667

Ion	Ratio	Lower	Upper
138	100		
92	57.4	35.9	75.9
108	94.5	72.0	112.0

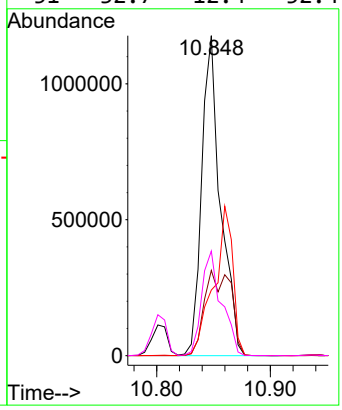




#63
Azobenzene
Concen: 52.226 ng
RT: 10.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion: 77 Resp: 135271

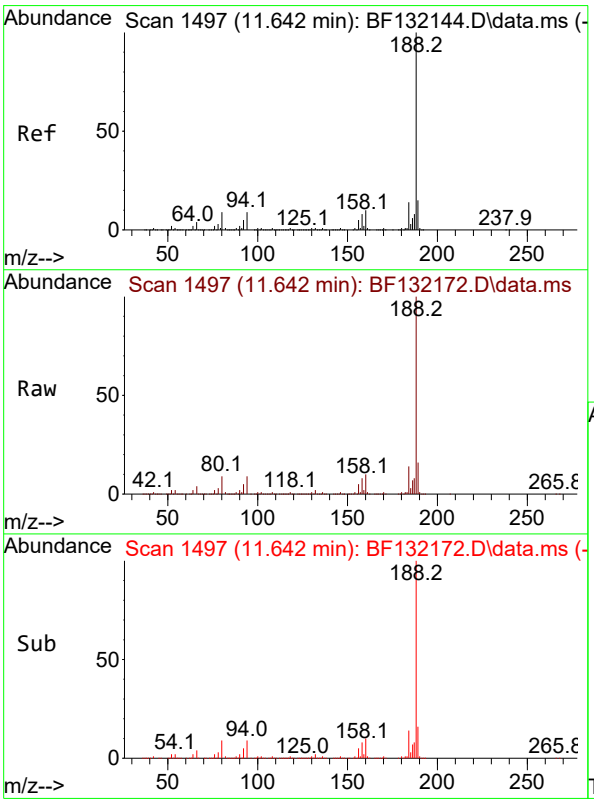
Ion	Ratio	Lower	Upper
77	100		
182	26.7	6.4	46.4
105	20.5	0.0	39.8
51	32.7	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

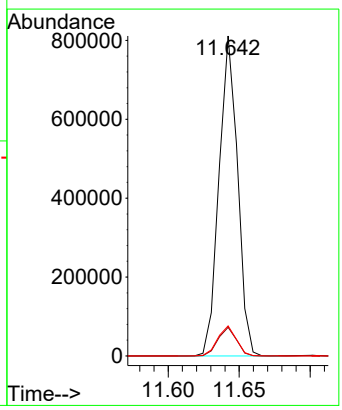
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

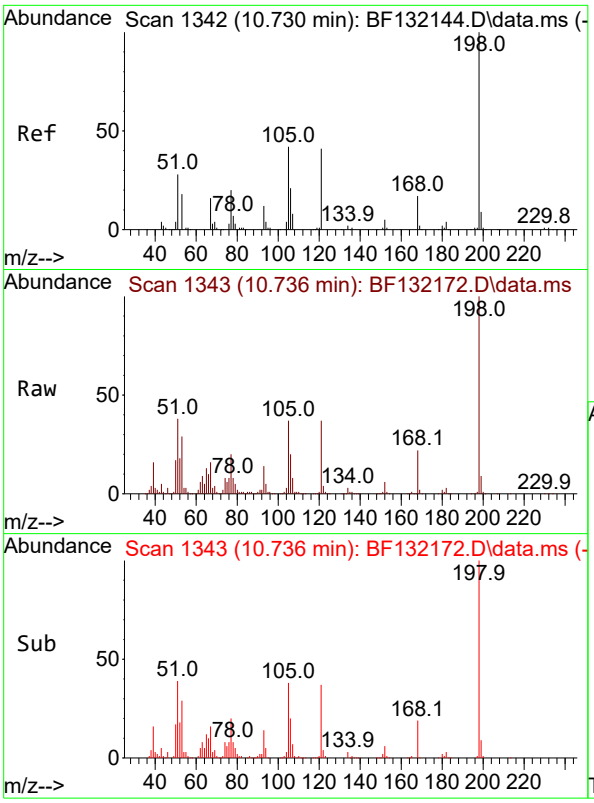


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.642 min Scan# 1497
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:188 Resp: 736982

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.9	10.3
80	9.4	7.5	11.3





#65
4,6-Dinitro-2-methylphenol
Concen: 48.068 ng
RT: 10.736 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

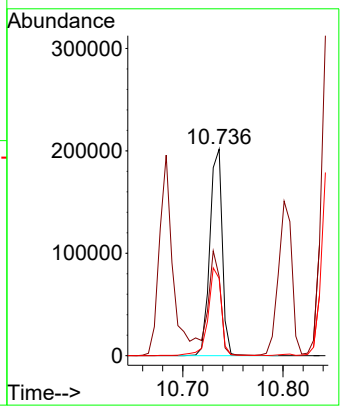
Tgt Ion:198 Resp: 17400

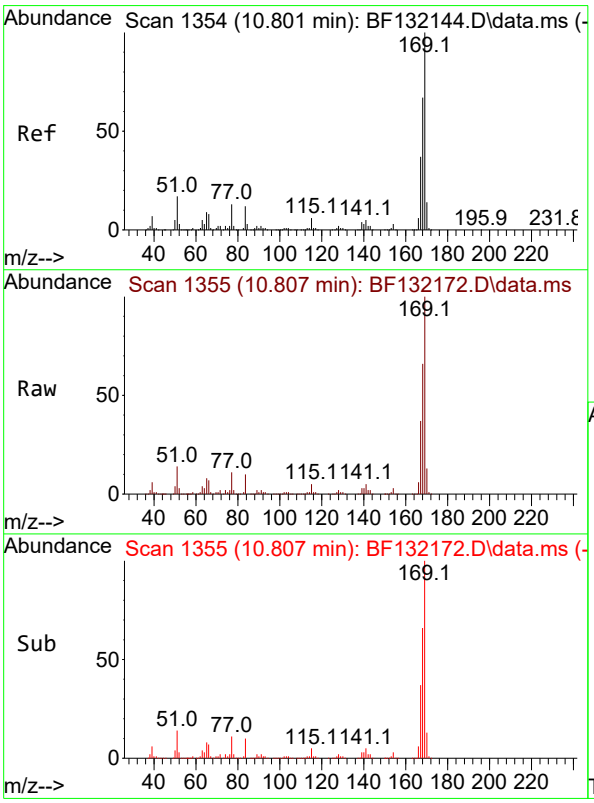
Ion	Ratio	Lower	Upper
198	100		
51	38.3	24.3	64.3
105	37.4	23.3	63.3

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

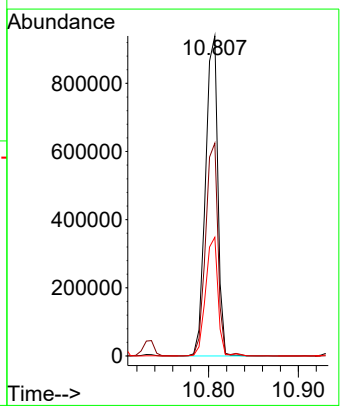


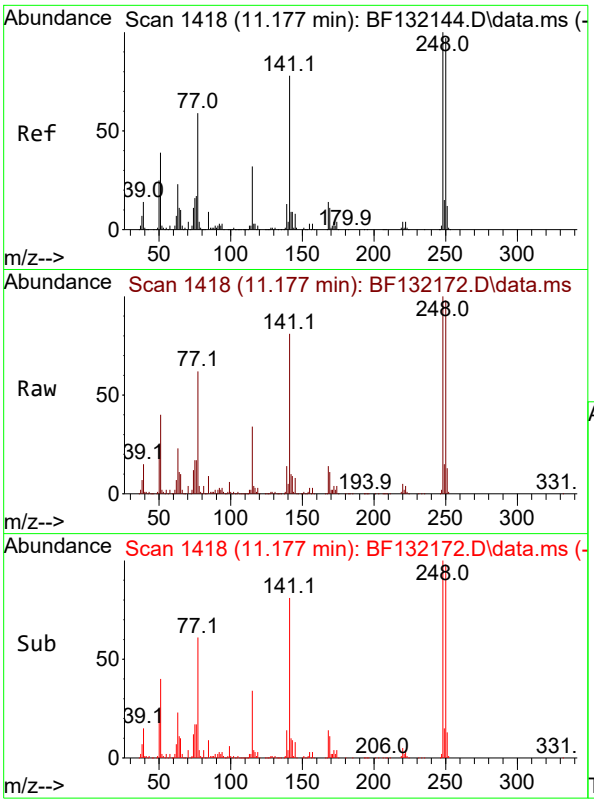


#66
n-Nitrosodiphenylamine
Concen: 37.768 ng
RT: 10.807 min Scan# 1355
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:169 Resp: 891433

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.0
167	37.1	29.7	44.5





#67
4-Bromophenyl-phenylether
Concen: 38.207 ng
RT: 11.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

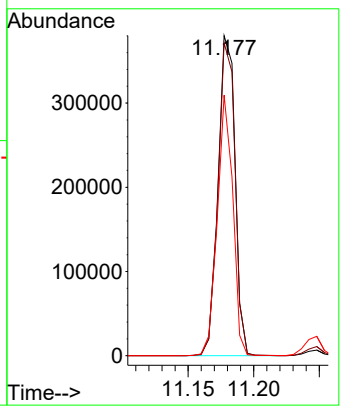
Tgt Ion:248 Resp: 34321

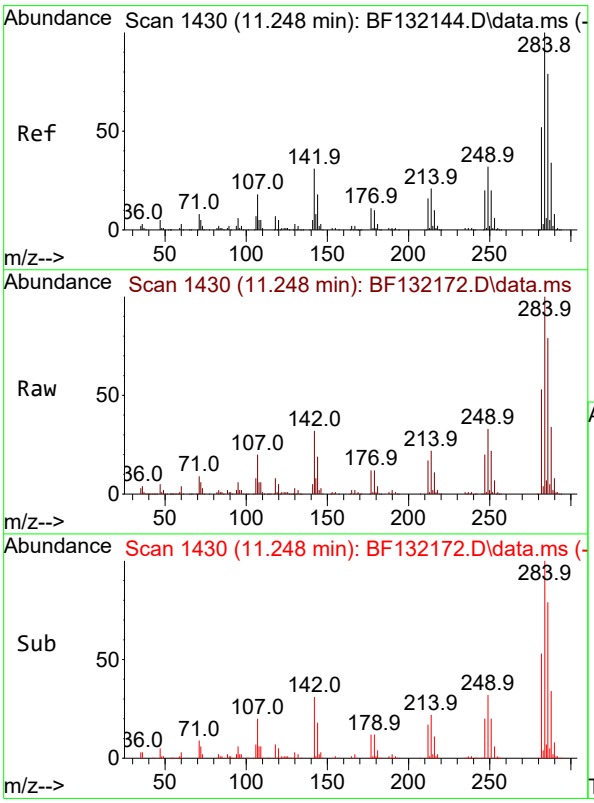
Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.4	116.0
141	81.4	62.2	93.2

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

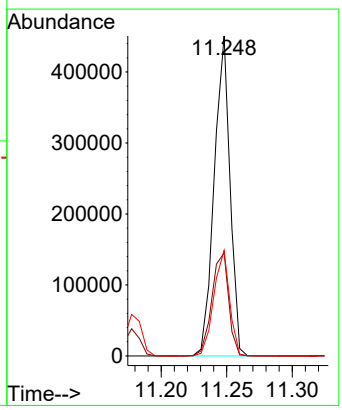


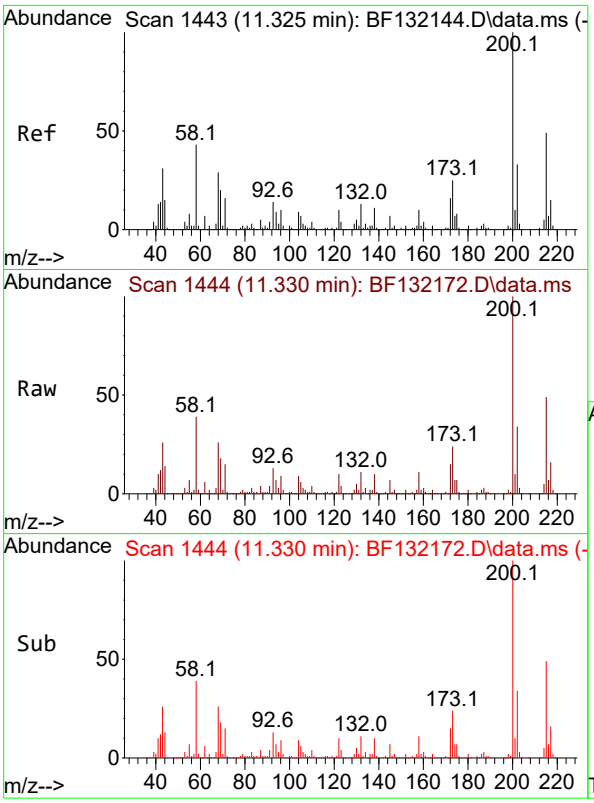


#68
Hexachlorobenzene
Concen: 42.208 ng
RT: 11.248 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:284 Resp: 376827

Ion	Ratio	Lower	Upper
284	100		
142	32.2	24.7	37.1
249	33.0	25.6	38.4





#69
Atrazine
Concen: 45.307 ng
RT: 11.330 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

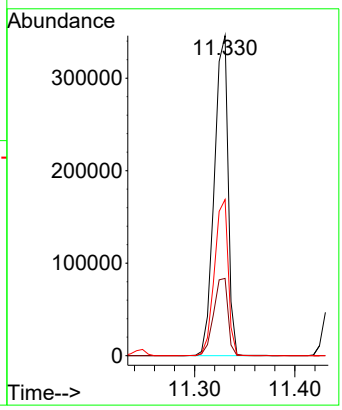
Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

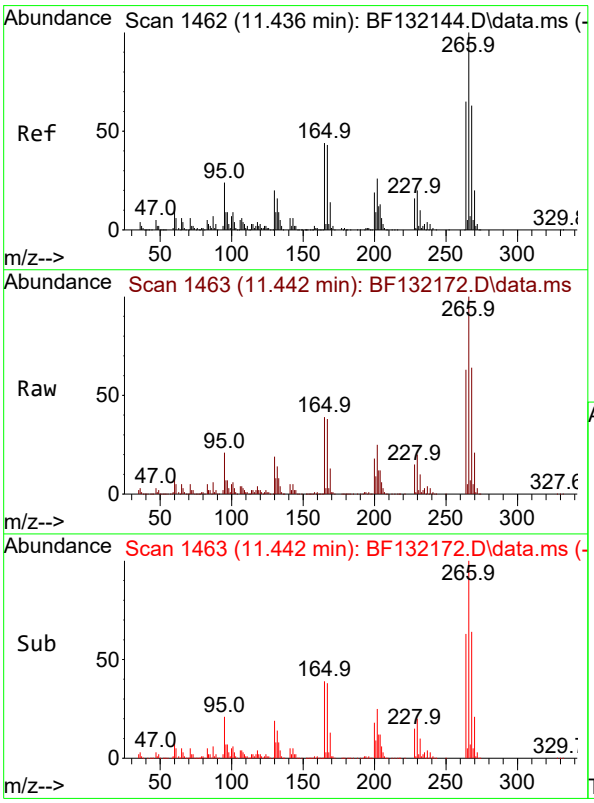
Tgt Ion:200 Resp: 32993

Ion	Ratio	Lower	Upper
200	100		
173	24.2	5.0	45.0
215	48.8	28.6	68.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

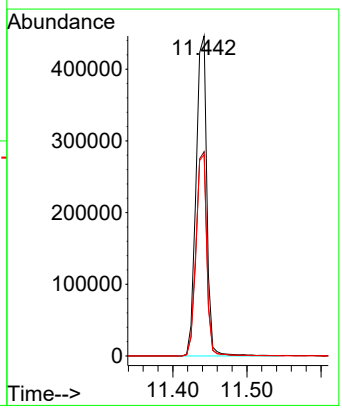


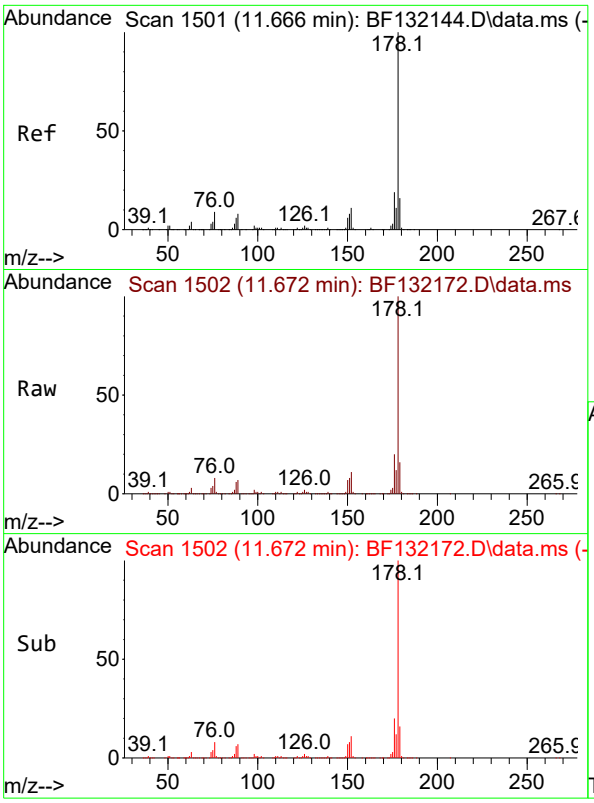


#70
Pentachlorophenol
Concen: 78.244 ng
RT: 11.442 min Scan# 1463
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:266 Resp: 448896

Ion	Ratio	Lower	Upper
266	100		
268	63.8	50.8	76.2
264	62.9	52.3	78.5





#71
Phenanthrene
Concen: 39.042 ng
RT: 11.672 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

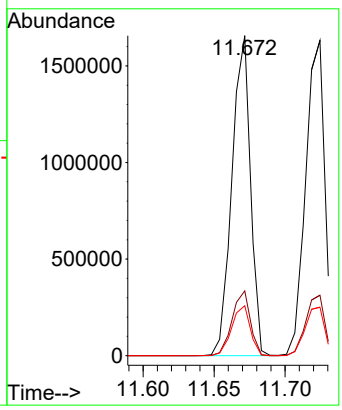
Tgt Ion:178 Resp: 150995

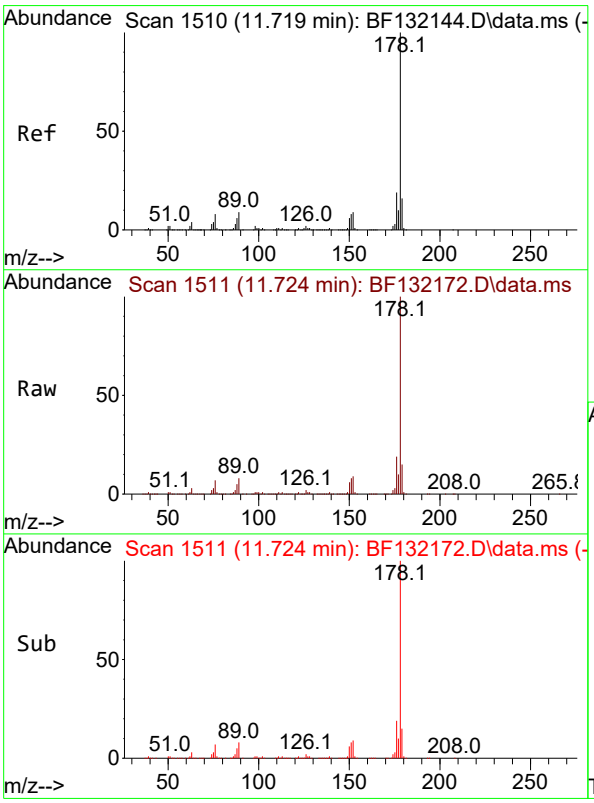
Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.5	23.3
179	15.6	12.6	19.0

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

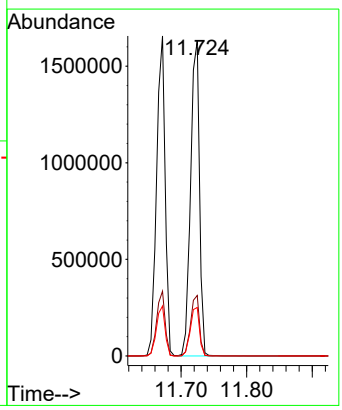


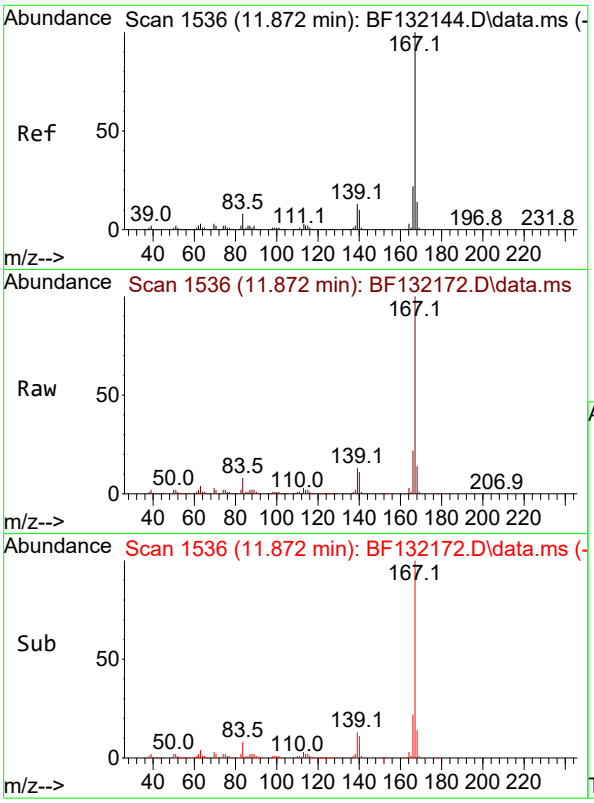


#72
Anthracene
Concen: 39.234 ng
RT: 11.724 min Scan# 1511
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:178 Resp: 1535077

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.4	12.6	18.8

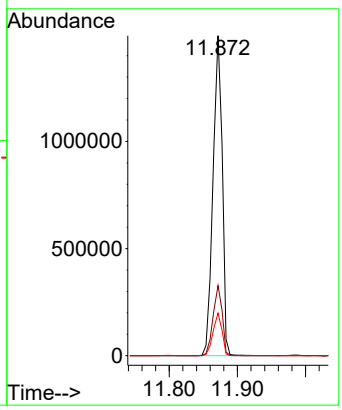




#73
Carbazole
Concen: 42.070 ng
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:167 Resp: 140603

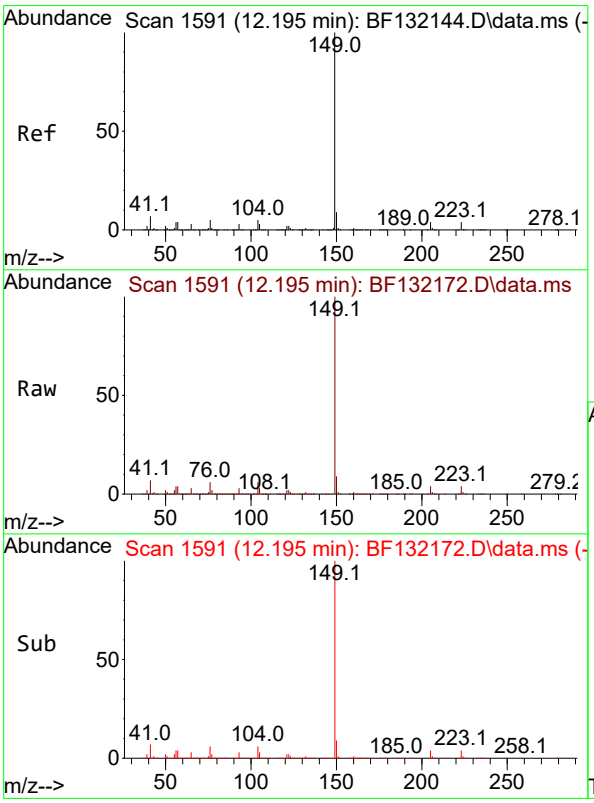
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.7	26.5
139	13.3	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

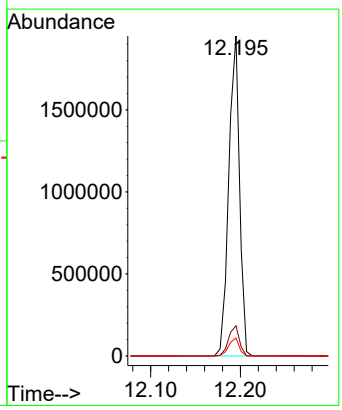
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

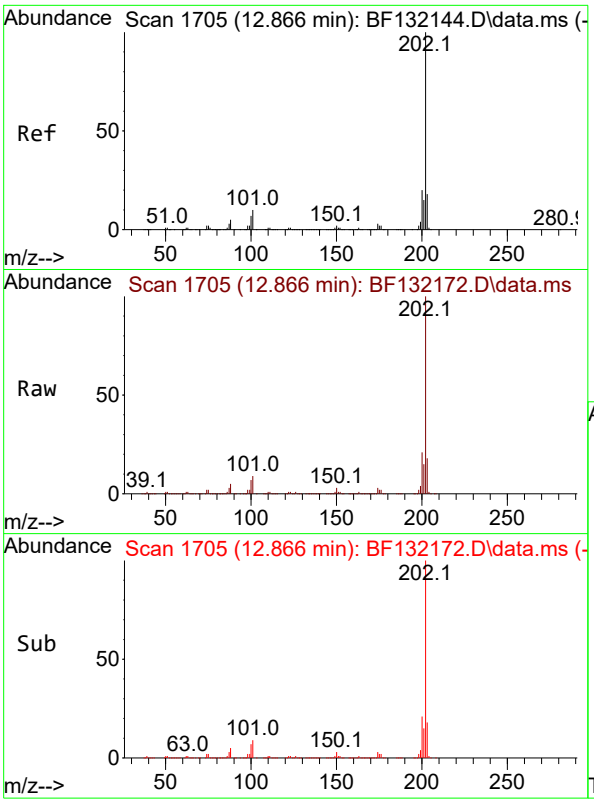


#74
Di-n-butylphthalate
Concen: 43.651 ng
RT: 12.195 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:149 Resp: 1624073

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	5.6	4.3	6.5





#75
Fluoranthene
Concen: 42.551 ng
RT: 12.866 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

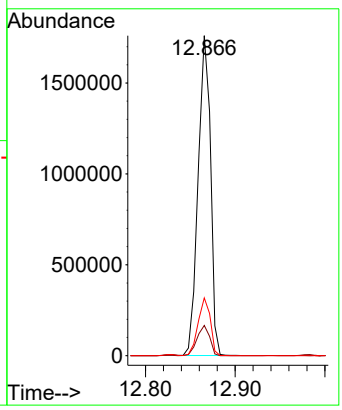
Tgt Ion:202 Resp: 169043

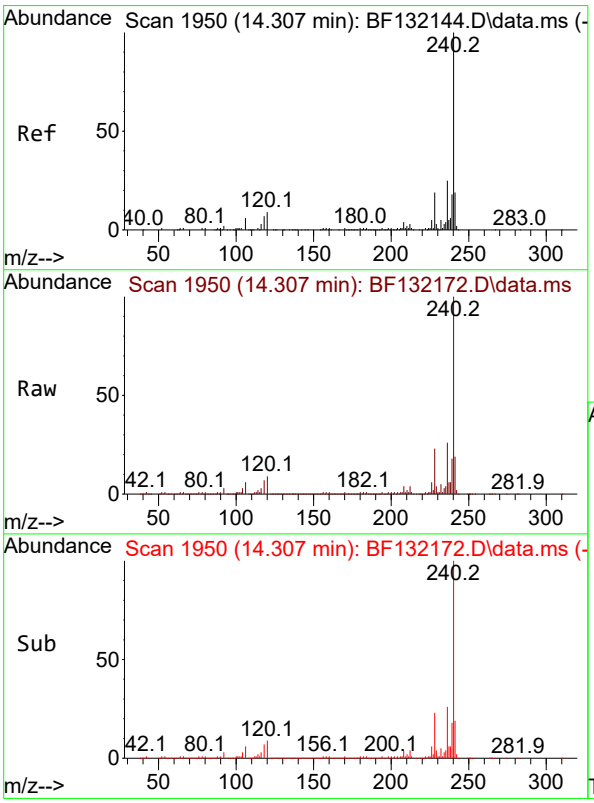
Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	29.6
203	18.1	0.0	37.9

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

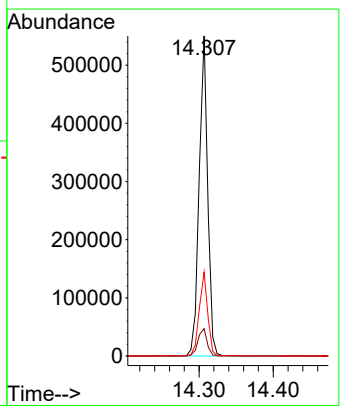


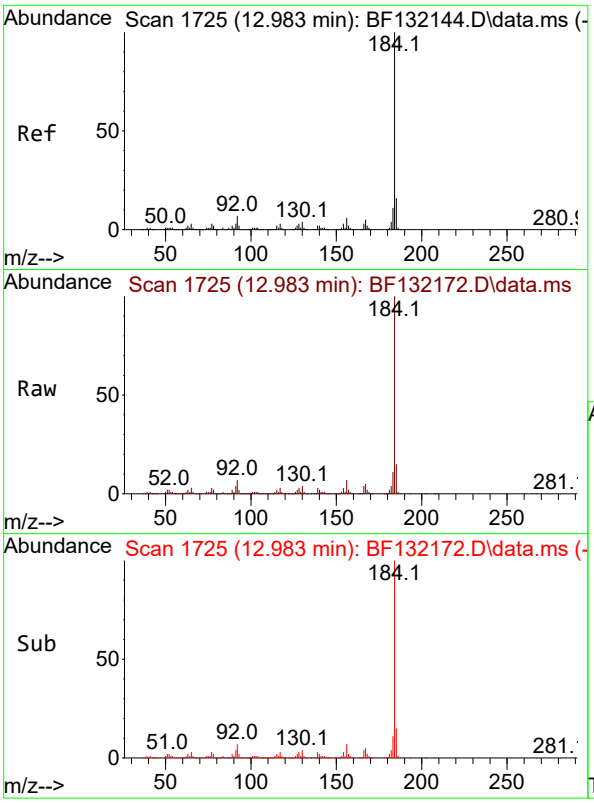


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.307 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:240 Resp: 439968

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.9	10.3
236	26.2	20.3	30.5

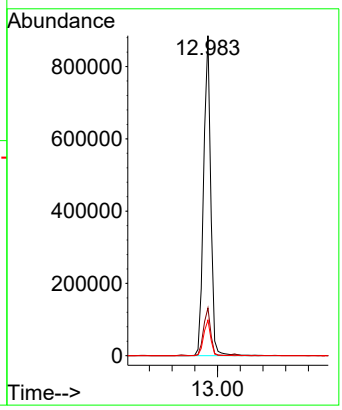




#77
Benzidine
Concen: 58.100 ng
RT: 12.983 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:184 Resp: 76748

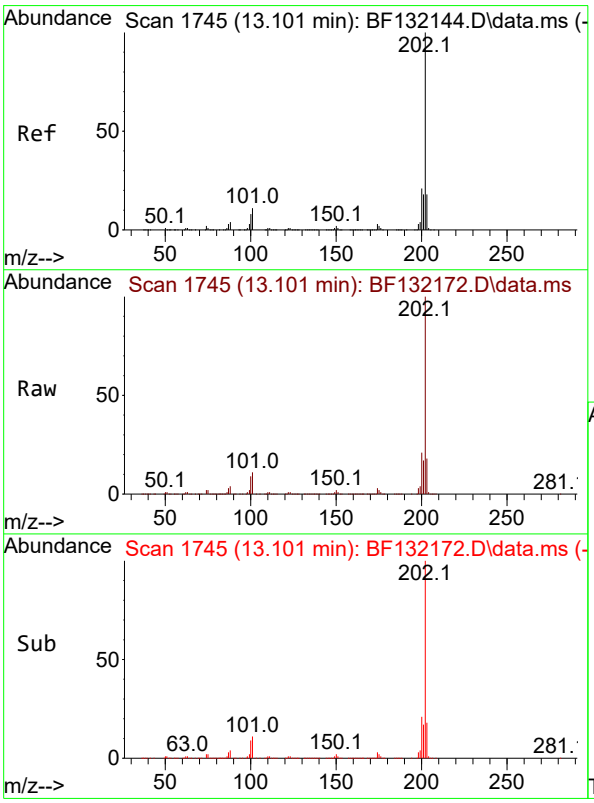
Ion	Ratio	Lower	Upper
184	100		
185	14.9	12.5	18.7
183	11.1	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

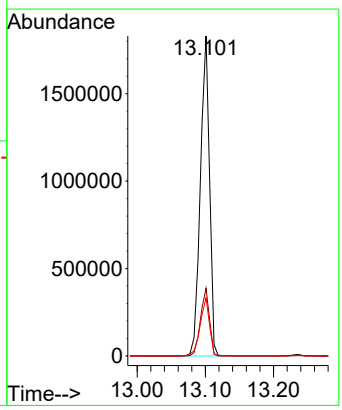
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

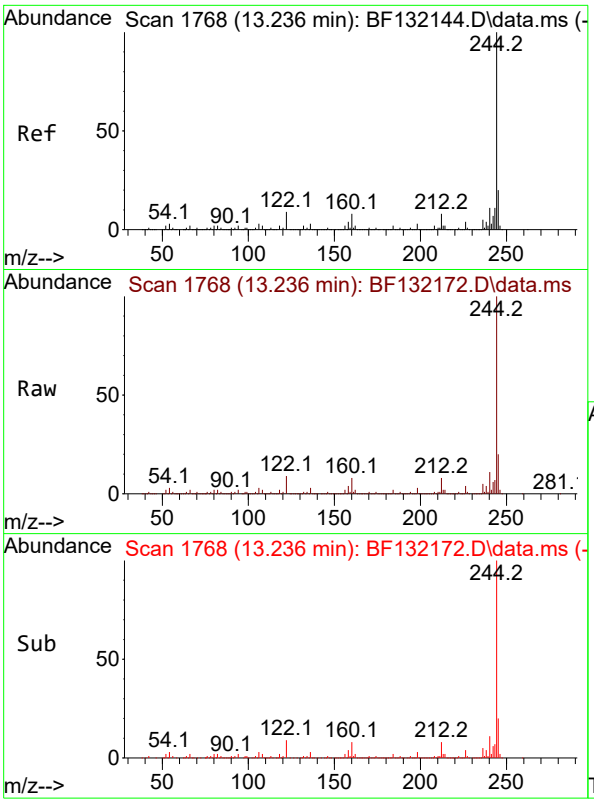


#78
Pyrene
Concen: 42.064 ng
RT: 13.101 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:202 Resp: 1705612

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	18.1	14.0	21.0

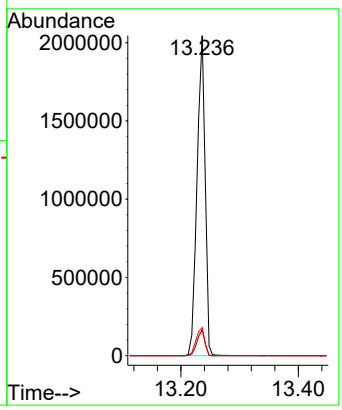




#79
Terphenyl-d14
Concen: 74.351 ng
RT: 13.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:244 Resp: 195282

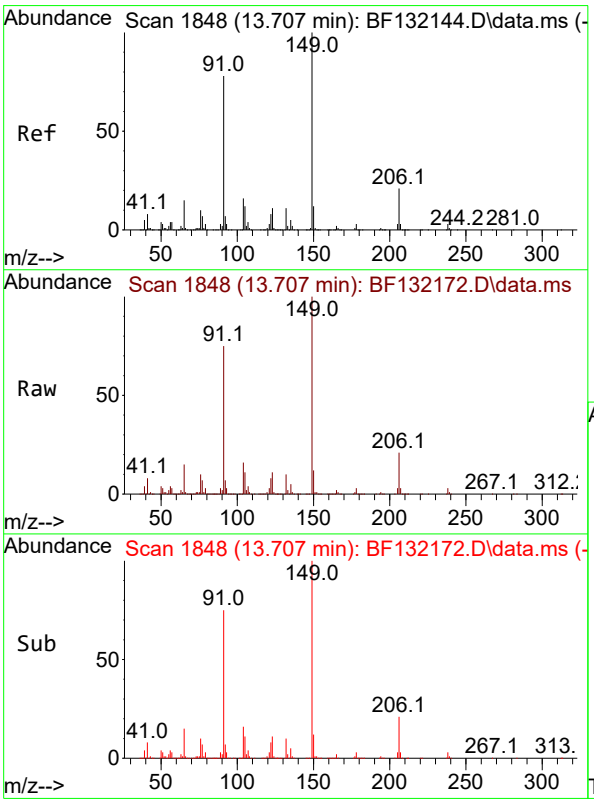
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.7	10.1
122	8.7	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

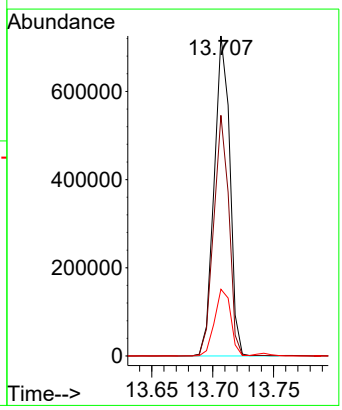
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

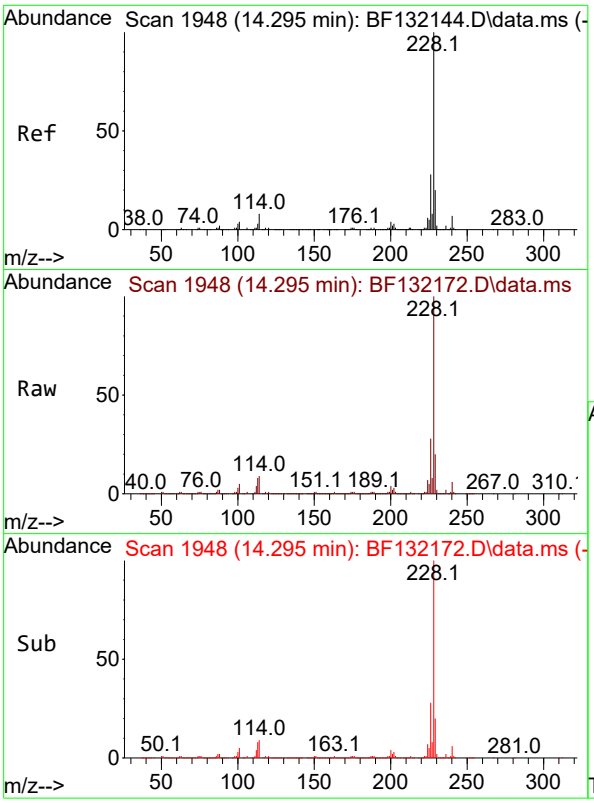


#80
Butylbenzylphthalate
Concen: 49.125 ng
RT: 13.707 min Scan# 1848
Delta R.T. -0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:149 Resp: 649876

Ion	Ratio	Lower	Upper
149	100		
91	75.2	62.6	94.0
206	20.8	16.4	24.6





#81
Benzo(a)anthracene
Concen: 41.482 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

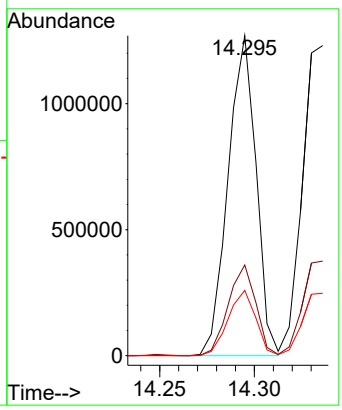
Tgt Ion:228 Resp: 130382

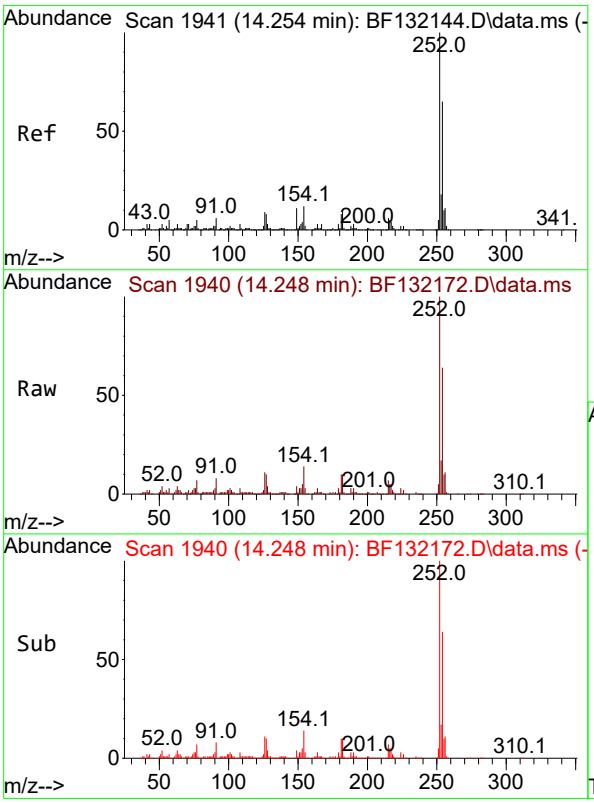
Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.5	33.7
229	20.4	16.1	24.1

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

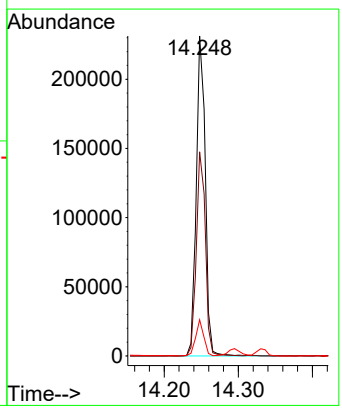


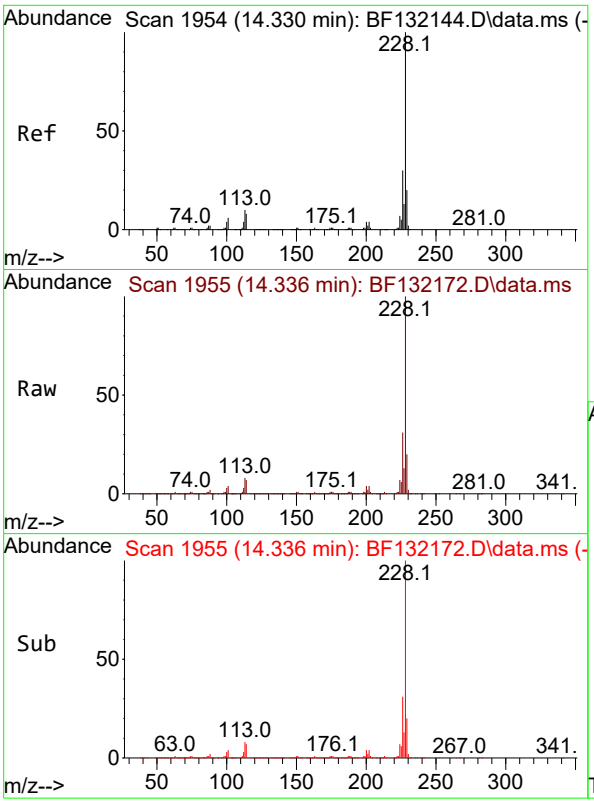


#82
3,3'-Dichlorobenzidine
Concen: 22.217 ng
RT: 14.248 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:252 Resp: 194473

Ion	Ratio	Lower	Upper
252	100		
254	63.8	52.4	78.6
126	11.3	7.0	10.6#

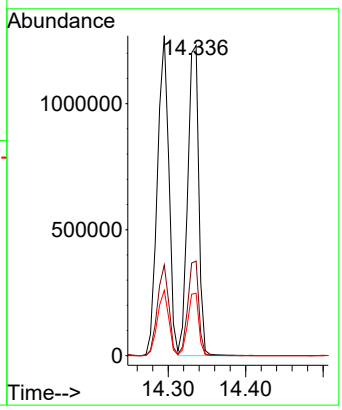




#83
Chrysene
Concen: 40.642 ng
RT: 14.336 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:228 Resp: 121593

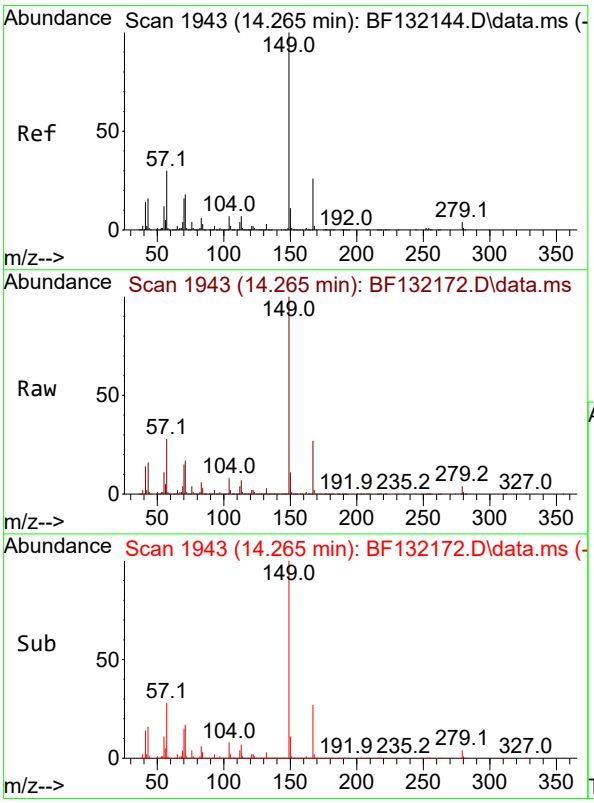
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.3	36.5
229	20.1	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

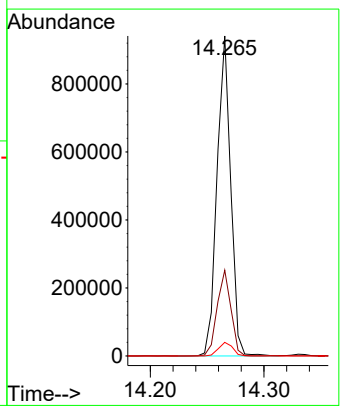
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

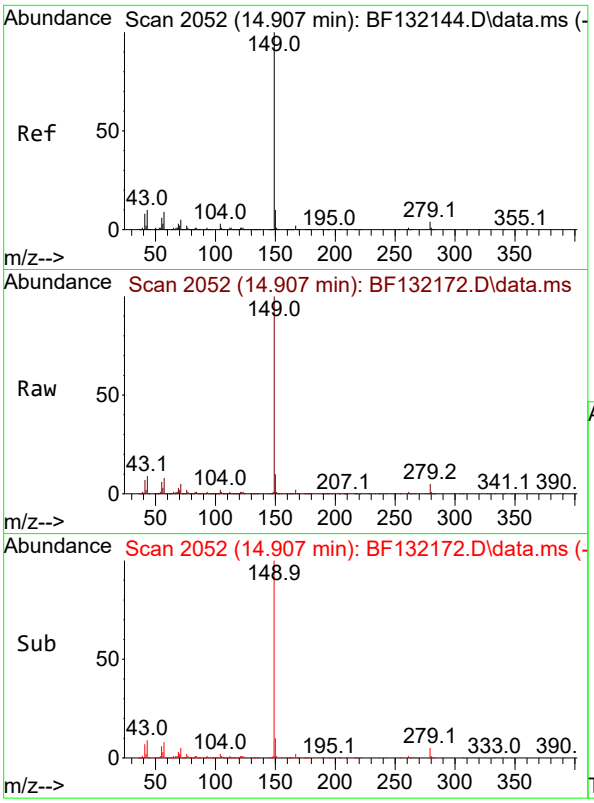


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.799 ng
RT: 14.265 min Scan# 1943
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:149 Resp: 788199

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.0	31.6
279	4.2	3.2	4.8

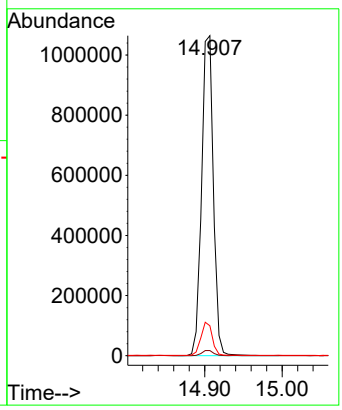




#85
Di-n-octyl phthalate
Concen: 43.907 ng
RT: 14.907 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:149 Resp: 112041

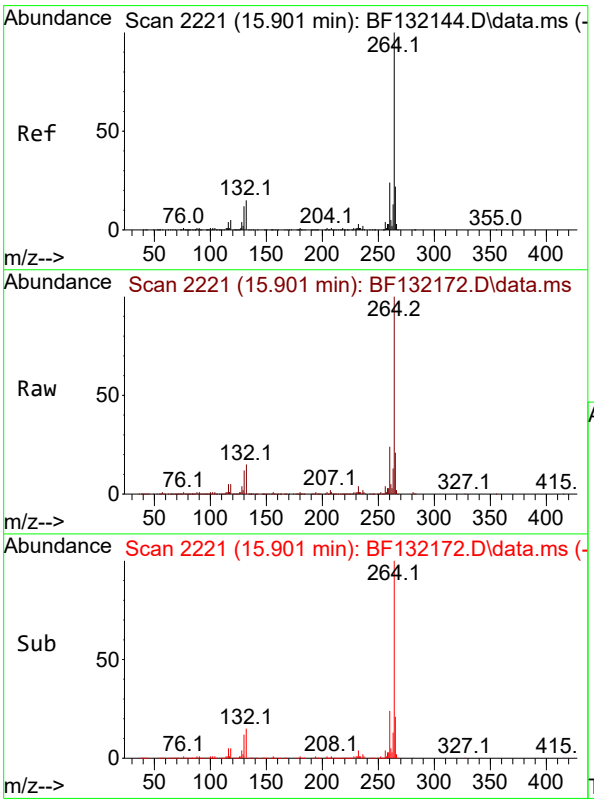
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

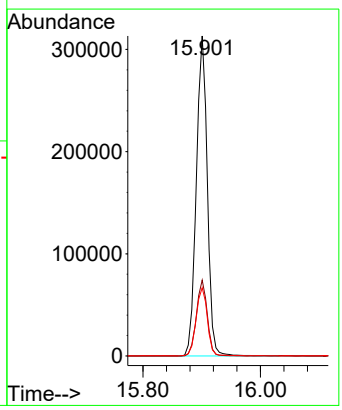
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

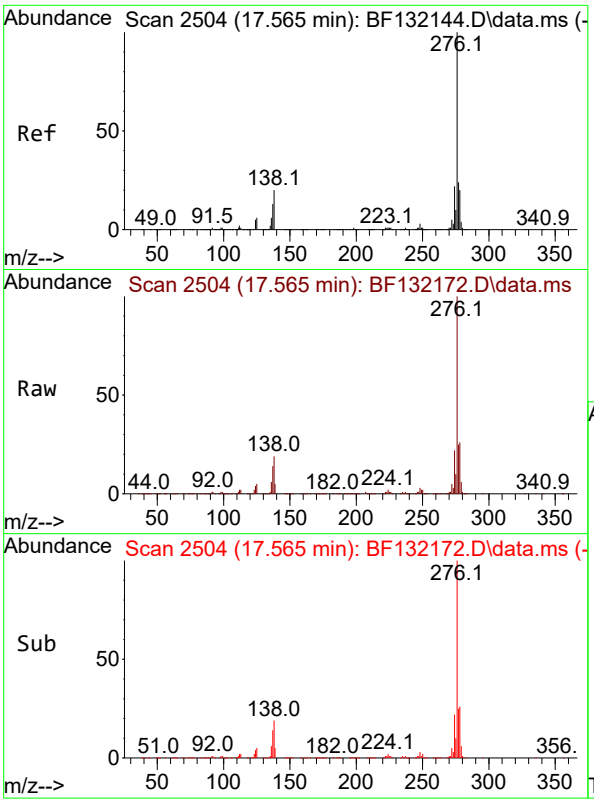


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.901 min Scan# 2221
Delta R.T. -0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:264 Resp: 406965

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	21.3	17.4	26.0

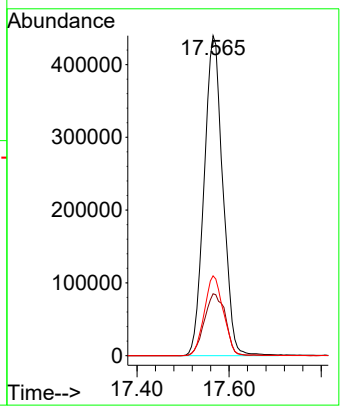




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.793 ng
RT: 17.565 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:276 Resp: 124208

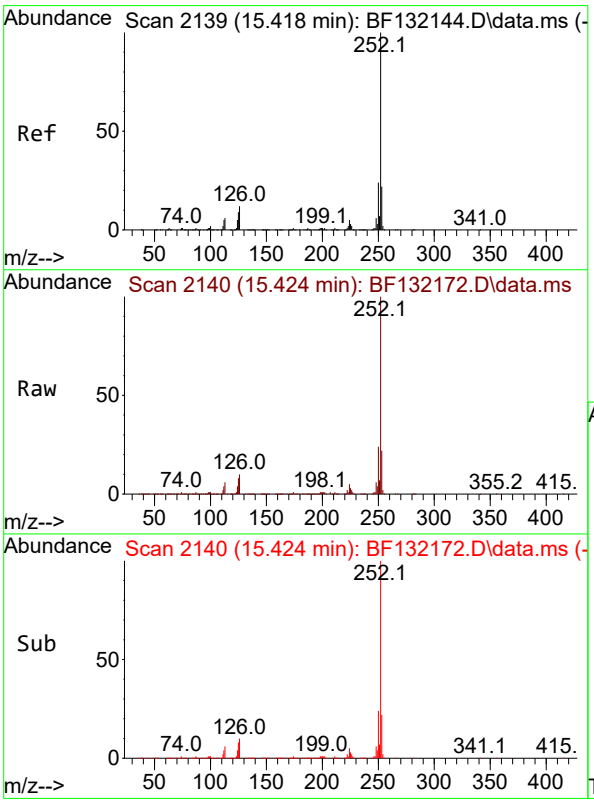
Ion	Ratio	Lower	Upper
276	100		
138	21.9	17.9	26.9
277	25.3	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

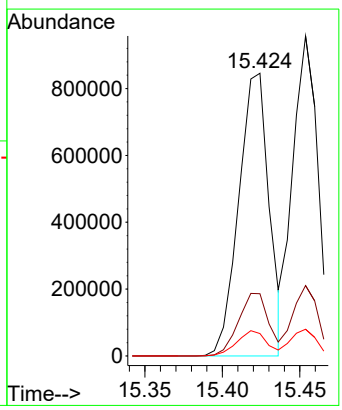
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

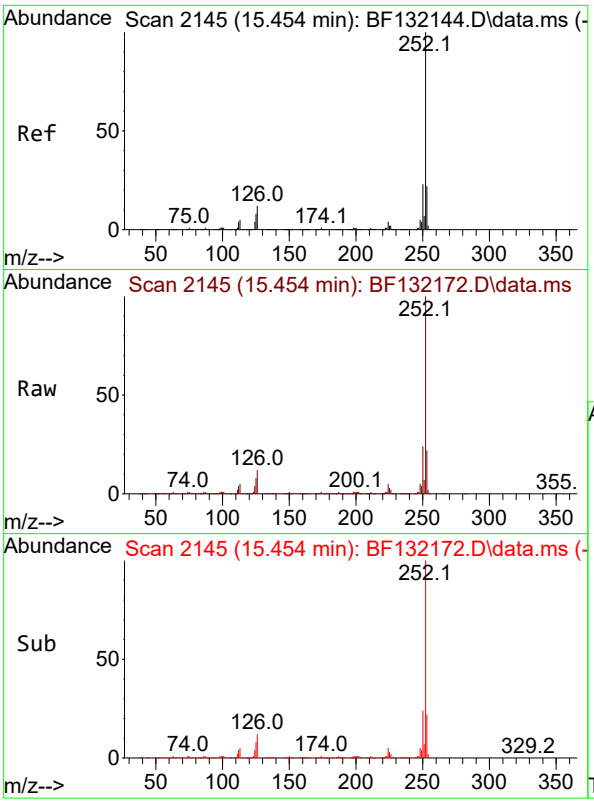


#88
Benzo(b)fluoranthene
Concen: 46.503 ng
RT: 15.424 min Scan# 2140
Delta R.T. 0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:252 Resp: 1152284

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	7.9	7.2	10.8





#89
Benzo(k)fluoranthene
Concen: 43.195 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

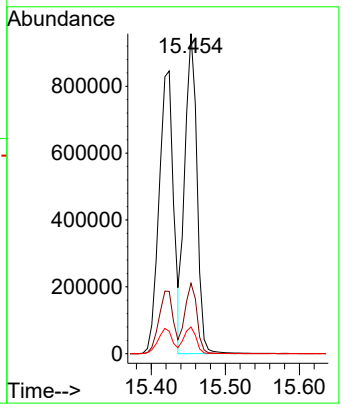
Tgt Ion:252 Resp: 109157

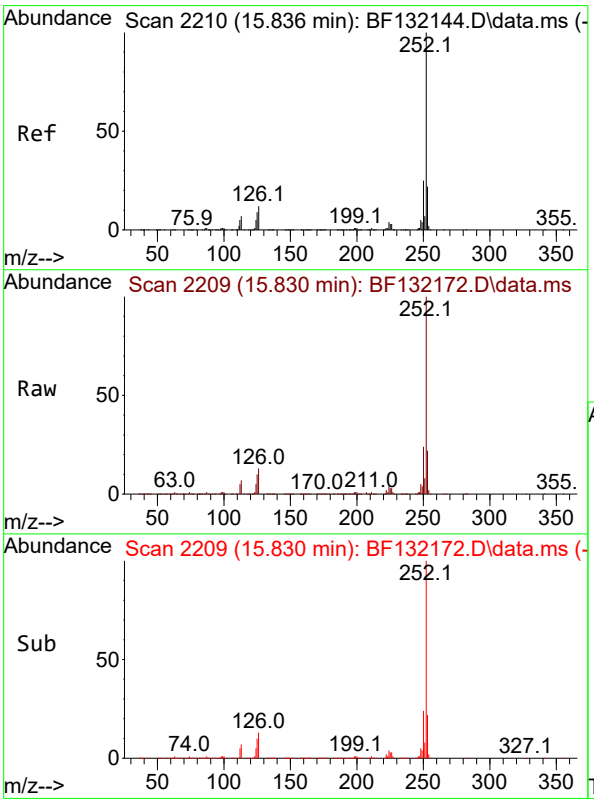
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	8.4	6.4	9.6

Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

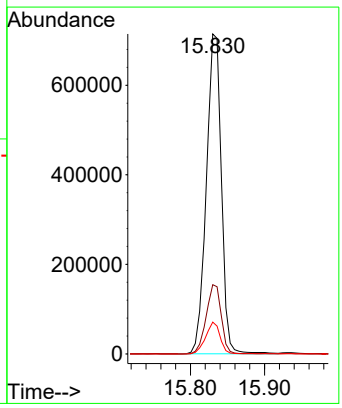


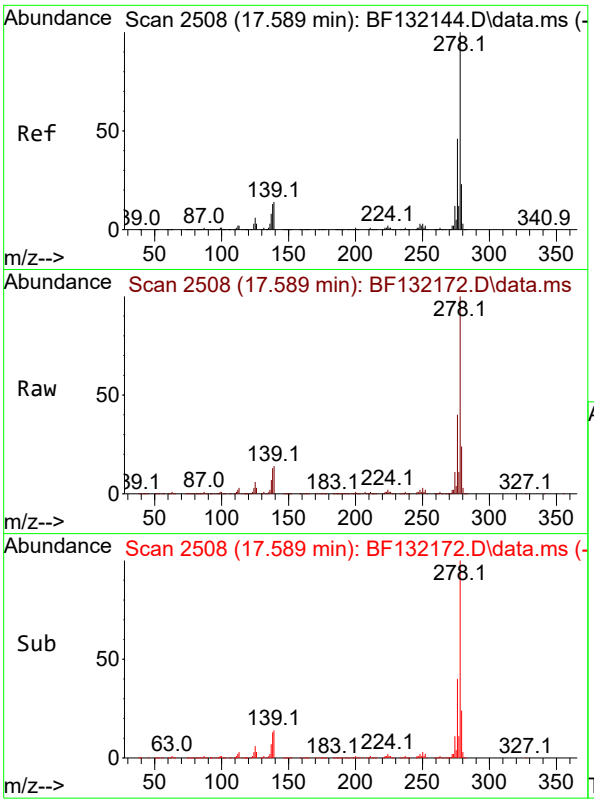


#90
Benzo(a)pyrene
Concen: 42.213 ng
RT: 15.830 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:252 Resp: 1006189

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.0	7.3	10.9

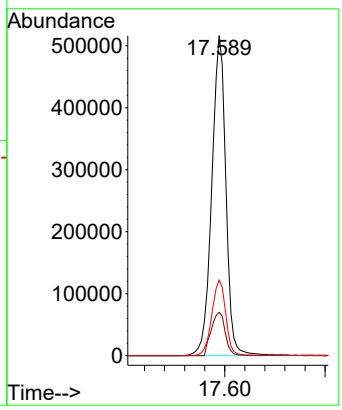




#91
Dibenzo(a,h)anthracene
Concen: 41.883 ng
RT: 17.589 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:278 Resp: 100874

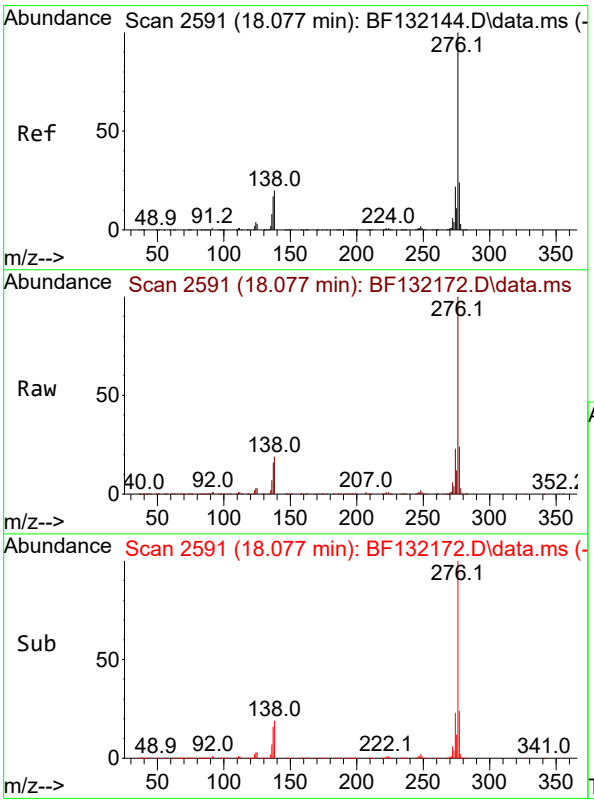
Ion	Ratio	Lower	Upper
278	100		
139	13.6	11.4	17.2
279	23.6	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
B-P34AMSD

Manual Integrations
APPROVED

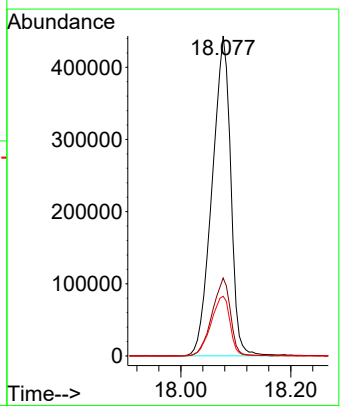
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#92
Benzo(g,h,i)perylene
Concen: 37.991 ng
RT: 18.077 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF132172.D
Acq: 20 Jan 2023 21:08

Tgt Ion:276 Resp: 1041701

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.9	28.3
138	18.7	15.7	23.5



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	BF011923	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF132141.D	2,3,4,6-Tetrachlorophenol	Christian	1/20/2023 4:17:48 PM	Jagrut	1/20/2023 5:06:17 PM	Peak Integrated by Software
SSTDICC005	BF132141.D	Caprolactam	Christian	1/20/2023 4:17:48 PM	Jagrut	1/20/2023 5:06:17 PM	Peak Integrated by Software
SSTDICCC040	BF132144.D	4-Chlorophenyl-phenylether	Christian	1/20/2023 4:17:50 PM	Jagrut	1/20/2023 5:06:22 PM	Peak Integrated by Software
SSTDICC050	BF132145.D	Benzoic acid	Christian	1/20/2023 4:17:52 PM	Jagrut	1/20/2023 5:06:31 PM	Peak Integrated by Software
SSTDICC050	BF132145.D	Benzyl Alcohol	Christian	1/20/2023 4:17:52 PM	Jagrut	1/20/2023 5:06:31 PM	Peak Integrated by Software
SSTDICC060	BF132146.D	Aniline	Christian	1/20/2023 4:17:55 PM	Jagrut	1/20/2023 5:06:38 PM	Peak Integrated by Software
SSTDICC060	BF132146.D	Benzyl Alcohol	Christian	1/20/2023 4:17:55 PM	Jagrut	1/20/2023 5:06:38 PM	Peak Integrated by Software
SSTDICC080	BF132147.D	Aniline	Christian	1/20/2023 4:17:56 PM	Jagrut	1/20/2023 5:06:43 PM	Peak Integrated by Software
SSTDICC080	BF132147.D	Benzyl Alcohol	Christian	1/20/2023 4:17:56 PM	Jagrut	1/20/2023 5:06:43 PM	Peak Integrated by Software

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	BF012023	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF132154.D	Benzoic acid	Christian	1/23/2023 9:30:10 AM	Jagrut	1/23/2023 10:44:10 AM	Peak Integrated by Software
SSTDCCC040	BF132154.D	Benzyl Alcohol	Christian	1/23/2023 9:30:10 AM	Jagrut	1/23/2023 10:44:10 AM	Peak Integrated by Software
SSTDCCC040	BF132162.D	Benzoic acid	Christian	1/23/2023 9:30:18 AM	Jagrut	1/23/2023 10:44:38 AM	Peak Integrated by Software
SSTDCCC040	BF132162.D	Benzyl Alcohol	Christian	1/23/2023 9:30:18 AM	Jagrut	1/23/2023 10:44:38 AM	Peak Integrated by Software
SSTDCCC040	BF132164.D	Benzoic acid	Christian	1/23/2023 9:30:20 AM	Jagrut	1/23/2023 10:44:43 AM	Peak Integrated by Software
SSTDCCC040	BF132164.D	Benzyl Alcohol	Christian	1/23/2023 9:30:20 AM	Jagrut	1/23/2023 10:44:43 AM	Peak Integrated by Software
O1233-02MS	BF132171.D	Aniline	Christian	1/23/2023 9:30:33 AM	Jagrut	1/23/2023 10:45:02 AM	Peak Integrated by Software
O1233-02MS	BF132171.D	Benzyl Alcohol	Christian	1/23/2023 9:30:33 AM	Jagrut	1/23/2023 10:45:02 AM	Peak Integrated by Software
O1233-02MS	BF132171.D	Caprolactam	Christian	1/23/2023 9:30:33 AM	Jagrut	1/23/2023 10:45:02 AM	Peak Integrated by Software
O1233-02MSD	BF132172.D	Aniline	Christian	1/23/2023 9:30:36 AM	Jagrut	1/23/2023 10:45:06 AM	Peak Integrated by Software
O1233-02MSD	BF132172.D	Benzyl Alcohol	Christian	1/23/2023 9:30:36 AM	Jagrut	1/23/2023 10:45:06 AM	Peak Integrated by Software
O1233-02MSD	BF132172.D	Caprolactam	Christian	1/23/2023 9:30:36 AM	Jagrut	1/23/2023 10:45:06 AM	Peak Integrated by Software
SSTDCCC040	BF132183.D	Benzoic acid	Christian	1/23/2023 9:30:30 AM	Jagrut	1/23/2023 10:45:16 AM	Peak Integrated by Software

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	BF012023	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF132183.D	Benzyl Alcohol	Christian	1/23/2023 9:30:30 AM	Jagrut	1/23/2023 10:45:16 AM	Peak Integrated by Software

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	BG122722	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG056127.D	Pyridine	Christian	12/28/2022 9:11:51 AM	Jagrut	12/28/2022 2:10:20 PM	Peak Integrated by Software
SSTDICC010	BG056128.D	1,4-Dioxane	Christian	12/28/2022 9:11:53 AM	Jagrut	12/28/2022 2:10:24 PM	Peak Integrated by Software
SSTDICC010	BG056128.D	2,2"-oxybis(1-Chloropropane)	Christian	12/28/2022 9:11:53 AM	Jagrut	12/28/2022 2:10:24 PM	Peak Integrated by Software
SSTDICC010	BG056128.D	2,3,4,6-Tetrachlorophenol	Christian	12/28/2022 9:11:53 AM	Jagrut	12/28/2022 2:10:24 PM	Peak Integrated by Software
SSTDICC010	BG056128.D	Benzoic acid	Christian	12/28/2022 9:11:53 AM	Jagrut	12/28/2022 2:10:24 PM	Peak Integrated by Software
SSTDICC020	BG056129.D	1,4-Dioxane	Christian	12/28/2022 9:11:55 AM	Jagrut	12/28/2022 2:10:28 PM	Peak Integrated by Software
SSTDICC020	BG056129.D	Benzo(b)fluoranthene	Christian	12/28/2022 9:11:55 AM	Jagrut	12/28/2022 2:10:28 PM	Peak Integrated by Software
SSTDICC050	BG056131.D	1,4-Dioxane	Christian	12/28/2022 9:11:56 AM	Jagrut	12/28/2022 2:10:33 PM	Peak Integrated by Software
SSTDICC060	BG056132.D	2,3,4,6-Tetrachlorophenol	Christian	12/28/2022 9:11:57 AM	Jagrut	12/28/2022 2:10:39 PM	Peak Integrated by Software
SSTDICC080	BG056133.D	Pyridine	Christian	12/28/2022 9:11:59 AM	Jagrut	12/28/2022 2:10:43 PM	Peak Integrated by Software
SSTDICV040	BG056134.D	2,3,4,6-Tetrachlorophenol	Christian	12/28/2022 9:12:01 AM	Jagrut	12/28/2022 2:10:48 PM	Peak Integrated by Software

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	BG012023	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG056363.D	2,3,4,6-Tetrachlorophenol	Christian	1/23/2023 9:33:02 AM	Jagrut	1/23/2023 4:16:35 PM	Peak Integrated by Software
SSTDCCC040	BG056363.D	Acenaphthene	Christian	1/23/2023 9:33:02 AM	Jagrut	1/23/2023 4:16:35 PM	Peak Integrated by Software
O1232-06	BG056372.D	Benzo(k)fluoranthene	Christian	1/23/2023 9:33:06 AM	Jagrut	1/23/2023 4:16:49 PM	Peak Integrated by Software

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	bg012423	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG056397.D	2,3,4,6-Tetrachlorophenol	Christian	1/25/2023 10:21:58 AM	Jagrut	1/25/2023 10:53:21 AM	Peak Integrated by Software
SSTDCCC040	BG056397.D	Acenaphthene	Christian	1/25/2023 10:21:58 AM	Jagrut	1/25/2023 10:53:21 AM	Peak Integrated by Software
SSTDCCC040	BG056397.D	Benzoic acid	Christian	1/25/2023 10:21:58 AM	Jagrut	1/25/2023 10:53:21 AM	Peak Integrated by Software
SSTDCCC040	BG056401.D	1-Methylnaphthalene	Christian	1/25/2023 10:22:04 AM	Jagrut	1/25/2023 10:53:57 AM	Peak Integrated by Software
SSTDCCC040	BG056401.D	2,4-Dimethylphenol	Christian	1/25/2023 10:22:04 AM	Jagrut	1/25/2023 10:53:57 AM	Peak Integrated by Software
SSTDCCC040	BG056401.D	Acenaphthene	Christian	1/25/2023 10:22:04 AM	Jagrut	1/25/2023 10:53:57 AM	Peak Integrated by Software
SSTDCCC040	BG056401.D	Benzo(b)fluoranthene	Christian	1/25/2023 10:22:04 AM	Jagrut	1/25/2023 10:53:57 AM	Peak Integrated by Software
SSTDCCC040	BG056401.D	Benzoic acid	Christian	1/25/2023 10:22:04 AM	Jagrut	1/25/2023 10:53:57 AM	Peak Integrated by Software
SSTDCCC040	BG056403.D	Acenaphthene	Christian	1/25/2023 10:22:05 AM	Jagrut	1/25/2023 10:54:01 AM	Peak Integrated by Software
SSTDCCC040	BG056403.D	Benzoic acid	Christian	1/25/2023 10:22:05 AM	Jagrut	1/25/2023 10:54:01 AM	Peak Integrated by Software
O1232-07	BG056414.D	Benzo(k)fluoranthene	Christian	1/25/2023 10:22:34 AM	Jagrut	1/25/2023 10:54:15 AM	Peak Integrated by Software

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	BP012323	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP013546.D	Caprolactam	Christian	1/24/2023 10:12:47 AM	Jagrut	1/24/2023 10:30:19 AM	Peak Integrated by Software
SSTDICC010	BP013547.D	2,3,4,6-Tetrachlorophenol	Christian	1/24/2023 10:12:50 AM	Jagrut	1/24/2023 10:30:23 AM	Peak Integrated by Software
SSTDICC060	BP013551.D	2,2"-oxybis(1-Chloropropane)	Christian	1/24/2023 10:12:55 AM	Jagrut	1/24/2023 10:30:28 AM	Peak Integrated by Software
SSTDICC080	BP013552.D	Caprolactam	Christian	1/24/2023 10:12:59 AM	Jagrut	1/24/2023 10:30:33 AM	Peak Integrated by Software
SSTDICC080	BP013552.D	Pyridine	Christian	1/24/2023 10:12:59 AM	Jagrut	1/24/2023 10:30:33 AM	Peak Integrated by Software

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	BP012423	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP013562.D	2,2"-oxybis(1-Chloropropane)	Christian	1/25/2023 10:30:55 AM	Jagrut	1/25/2023 5:43:17 PM	Peak Integrated by Software

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	BP013123	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP013670.D	2,2"-oxybis(1-Chloropropane)	Christian	2/1/2023 9:23:49 AM	Jagrut	2/1/2023 5:46:03 PM	Peak Integrated by Software
SSTDICC010	BP013671.D	2,2"-oxybis(1-Chloropropane)	Christian	2/1/2023 9:23:50 AM	Jagrut	2/1/2023 5:46:07 PM	Peak Integrated by Software
SSTDICC010	BP013671.D	Caprolactam	Christian	2/1/2023 9:23:50 AM	Jagrut	2/1/2023 5:46:07 PM	Peak Integrated by Software
SSTDICC050	BP013674.D	Acenaphthene	Christian	2/1/2023 9:23:52 AM	Jagrut	2/1/2023 5:46:11 PM	Peak Integrated by Software
SSTDICC050	BP013674.D	Pyridine	Christian	2/1/2023 9:23:52 AM	Jagrut	2/1/2023 5:46:11 PM	Peak Integrated by Software
SSTDICC060	BP013675.D	Acenaphthene	Christian	2/1/2023 2:25:19 PM	Jagrut	2/1/2023 5:46:15 PM	Peak Integrated by Software
SSTDICC060	BP013675.D	Benzaldehyde	Christian	2/1/2023 2:25:19 PM	Jagrut	2/1/2023 5:46:15 PM	Peak Integrated by Software
SSTDICC060	BP013675.D	Pyridine	Christian	2/1/2023 2:25:19 PM	Jagrut	2/1/2023 5:46:15 PM	Peak Integrated by Software
SSTDICC080	BP013676.D	Acenaphthene	Christian	2/1/2023 2:25:21 PM	Jagrut	2/1/2023 5:46:19 PM	Peak Integrated by Software
SSTDICC080	BP013676.D	Pyridine	Christian	2/1/2023 2:25:21 PM	Jagrut	2/1/2023 5:46:19 PM	Peak Integrated by Software
SSTDICV040	BP013677.D	Acenaphthene	Christian	2/1/2023 2:25:22 PM	Jagrut	2/1/2023 5:46:24 PM	Peak Integrated by Software
PB150378BS	BP013684.D	Acenaphthene	Christian	2/1/2023 2:25:29 PM	Jagrut	2/1/2023 5:46:40 PM	Peak Integrated by Software
PB150378BS	BP013684.D	Benzaldehyde	Christian	2/1/2023 2:25:29 PM	Jagrut	2/1/2023 5:46:40 PM	Peak Integrated by Software

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	BP013123	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB150378BS	BP013684.D	Benzyl Alcohol	Christian	2/1/2023 2:25:29 PM	Jagrut	2/1/2023 5:46:40 PM	Peak Integrated by Software
PB150378BS	BP013684.D	Caprolactam	Christian	2/1/2023 2:25:29 PM	Jagrut	2/1/2023 5:46:40 PM	Peak Integrated by Software

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF011923

Review By	Christian	Review On	1/20/2023 4:18:26 PM		
Supervise By	Jagrut	Supervise On	1/20/2023 5:07:11 PM		
SubDirectory	BF011923	HP Acquire Method	BNA_F	HP Processing Method	Bf011923

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10813,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF132139.D	19 Jan 2023 10:46	CG\JU	Ok
2	SSTDICC2.5	BF132140.D	19 Jan 2023 11:21	CG\JU	Ok
3	SSTDICC005	BF132141.D	19 Jan 2023 11:53	CG\JU	Ok,M
4	SSTDICC010	BF132142.D	19 Jan 2023 12:26	CG\JU	Ok
5	SSTDICC020	BF132143.D	19 Jan 2023 12:59	CG\JU	Ok
6	SSTDICCC040	BF132144.D	19 Jan 2023 13:32	CG\JU	Ok,M
7	SSTDICC050	BF132145.D	19 Jan 2023 14:05	CG\JU	Ok,M
8	SSTDICC060	BF132146.D	19 Jan 2023 14:38	CG\JU	Ok,M
9	SSTDICC080	BF132147.D	19 Jan 2023 15:11	CG\JU	Ok,M
10	SSTDICV040	BF132148.D	19 Jan 2023 15:44	CG\JU	Ok
11	PB150317BL	BF132149.D	19 Jan 2023 16:23	CG\JU	Ok
12	PB150317BS	BF132150.D	19 Jan 2023 17:30	CG\JU	Ok,M
13	PB150317BSD	BF132151.D	19 Jan 2023 18:03	CG\JU	Ok,M
14	SP6108	BF132152.D	19 Jan 2023 18:36	CG\JU	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012023

Review By	Christian	Review On	1/23/2023 9:32:40 AM				
Supervise By	Jagrut	Supervise On	1/23/2023 10:45:37 AM				
SubDirectory	BF012023	HP Acquire Method	BNA_F		HP Processing Method	Bf011923	

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10813,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF132153.D	20 Jan 2023 09:28	CG\JU	Ok
2	SSTDCCC040	BF132154.D	20 Jan 2023 09:59	CG\JU	Ok,M
3	PB150196BL	BF132155.D	20 Jan 2023 10:31	CG\JU	Ok
4	N3980-02	BF132156.D	20 Jan 2023 11:07	CG\JU	Ok
5	N3980-02	BF132157.D	20 Jan 2023 12:09	CG\JU	Not Ok
6	N3980-02	BF132158.D	20 Jan 2023 13:04	CG\JU	Ok
7	N3980-08	BF132159.D	20 Jan 2023 13:37	CG\JU	Not Ok
8	N3980-08	BF132160.D	20 Jan 2023 14:09	CG\JU	Ok,M
9	N3980-08	BF132161.D	20 Jan 2023 15:02	CG\JU	Ok,M
10	SSTDCCC040	BF132162.D	20 Jan 2023 15:35	CG\JU	Ok,M
11	DFTPP	BF132163.D	20 Jan 2023 16:08	CG\JU	Ok
12	SSTDCCC040	BF132164.D	20 Jan 2023 16:40	CG\JU	Ok,M
13	PB150261BL	BF132165.D	20 Jan 2023 17:13	CG\JU	Ok
14	PB150261BS	BF132166.D	20 Jan 2023 17:50	CG\JU	Ok,M
15	O1160-01	BF132167.D	20 Jan 2023 18:23	CG\JU	Ok
16	O1160-01MS	BF132168.D	20 Jan 2023 18:56	CG\JU	Ok,M
17	O1160-01MSD	BF132169.D	20 Jan 2023 19:30	CG\JU	Ok,M
18	O1233-02	BF132170.D	20 Jan 2023 20:03	CG\JU	Ok
19	O1233-02MS	BF132171.D	20 Jan 2023 20:35	CG\JU	Ok,M
20	O1233-02MSD	BF132172.D	20 Jan 2023 21:08	CG\JU	Ok,M
21	O1214-06	BF132173.D	20 Jan 2023 21:41	CG\JU	Ok,M
22	O1233-07	BF132174.D	20 Jan 2023 22:13	CG\JU	Ok
23	O1232-01	BF132175.D	20 Jan 2023 22:46	CG\JU	Ok

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012023

Review By	Christian	Review On	1/23/2023 9:32:40 AM		
Supervise By	Jagrut	Supervise On	1/23/2023 10:45:37 AM		
SubDirectory	BF012023	HP Acquire Method	BNA_F	HP Processing Method	Bf011923

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10813,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	O1232-02	BF132176.D	20 Jan 2023 23:19	CG\JU	Not Ok
25	O1232-08	BF132177.D	20 Jan 2023 23:51	CG\JU	Ok
26	O1233-03	BF132178.D	21 Jan 2023 00:23	CG\JU	Ok
27	O1233-04	BF132179.D	21 Jan 2023 00:56	CG\JU	Ok
28	O1233-05	BF132180.D	21 Jan 2023 01:28	CG\JU	Ok
29	O1233-09	BF132181.D	21 Jan 2023 02:00	CG\JU	Ok
30	O1233-11	BF132182.D	21 Jan 2023 02:33	CG\JU	Dilution
31	SSTDCCC040	BF132183.D	21 Jan 2023 03:05	CG\JU	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG122722

Review By	Christian	Review On	12/28/2022 9:12:21 AM				
Supervise By	Jagrut	Supervise On	12/28/2022 2:11:00 PM				
SubDirectory	BG122722	HP Acquire Method	BNA_G		HP Processing Method	bg122722	

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10810,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG056125.D	27 Dec 2022 14:13	CG/JU	Ok
2	SSTDICC2.5	BG056126.D	27 Dec 2022 14:55	CG/JU	Ok
3	SSTDICC005	BG056127.D	27 Dec 2022 15:36	CG/JU	Ok,M
4	SSTDICC010	BG056128.D	27 Dec 2022 16:17	CG/JU	Ok,M
5	SSTDICC020	BG056129.D	27 Dec 2022 16:58	CG/JU	Ok,M
6	SSTDICCC040	BG056130.D	27 Dec 2022 17:40	CG/JU	Ok
7	SSTDICC050	BG056131.D	27 Dec 2022 18:21	CG/JU	Ok,M
8	SSTDICC060	BG056132.D	27 Dec 2022 19:01	CG/JU	Ok,M
9	SSTDICC080	BG056133.D	27 Dec 2022 19:42	CG/JU	Ok,M
10	SSTDICV040	BG056134.D	27 Dec 2022 20:24	CG/JU	Ok,M
11	PB149828BL	BG056135.D	27 Dec 2022 21:46	CG/JU	Ok
12	PB149912BL	BG056136.D	27 Dec 2022 22:27	CG/JU	Ok

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG012023

Review By	Christian	Review On	1/23/2023 9:34:21 AM				
Supervise By	Jagrut	Supervise On	1/23/2023 11:03:53 AM				
SubDirectory	BG012023	HP Acquire Method	BNA_G	HP Processing Method	bg122722		

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10813,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG056362.D	20 Jan 2023 11:01	CG/JU	Ok
2	SSTDCCC040	BG056363.D	20 Jan 2023 11:44	CG/JU	Ok,M
3	PB150307TB	BG056364.D	20 Jan 2023 12:25	CG/JU	Ok
4	O1217-02	BG056365.D	20 Jan 2023 13:13	CG/JU	Ok
5	O1217-15	BG056366.D	20 Jan 2023 13:53	CG/JU	Ok
6	O1220-05	BG056367.D	20 Jan 2023 14:34	CG/JU	Ok
7	O1220-02	BG056368.D	20 Jan 2023 15:20	CG/JU	Ok
8	O1239-01	BG056369.D	20 Jan 2023 16:01	CG/JU	Ok
9	O1239-01MS	BG056370.D	20 Jan 2023 16:43	CG/JU	Ok,M
10	O1239-01MSD	BG056371.D	20 Jan 2023 17:24	CG/JU	Ok,M
11	O1232-06	BG056372.D	20 Jan 2023 18:05	CG/JU	Ok,M
12	O1232-05	BG056373.D	20 Jan 2023 18:47	CG/JU	Ok
13	O1237-01	BG056374.D	20 Jan 2023 19:28	CG/JU	Ok
14	O1232-10	BG056375.D	20 Jan 2023 20:09	CG/JU	Ok
15	O1240-01	BG056376.D	20 Jan 2023 20:51	CG/JU	Ok,M
16	O1234-01	BG056377.D	20 Jan 2023 21:32	CG/JU	Dilution
17	O1229-01	BG056378.D	20 Jan 2023 22:13	CG/JU	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG012423

Review By	Christian	Review On	1/25/2023 10:30:24 AM		
Supervise By	Jagrut	Supervise On	1/25/2023 10:55:31 AM		
SubDirectory	BG012423	HP Acquire Method	BNA_G	HP Processing Method	bg122722

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10813,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG056396.D	24 Jan 2023 9:57	CG/JU	Ok
2	SSTDCCC040	BG056397.D	24 Jan 2023 10:39	CG/JU	Ok,M
3	PB150335BL	BG056398.D	24 Jan 2023 11:20	CG/JU	Ok
4	O1152-01	BG056399.D	24 Jan 2023 12:06	CG/JU	Ok,M
5	O1190-13	BG056400.D	24 Jan 2023 12:47	CG/JU	Ok,M
6	SSTDCCC040	BG056401.D	24 Jan 2023 13:34	CG/JU	Ok,M
7	DFTPP	BG056402.D	24 Jan 2023 14:15	CG/JU	Ok
8	SSTDCCC040	BG056403.D	24 Jan 2023 14:59	CG/JU	Ok,M
9	PB150385BL	BG056404.D	24 Jan 2023 15:40	CG/JU	Ok
10	O1260-22	BG056405.D	24 Jan 2023 16:25	CG/JU	Ok
11	O1260-22MS	BG056406.D	24 Jan 2023 17:07	CG/JU	Ok,M
12	O1260-22MSD	BG056407.D	24 Jan 2023 17:48	CG/JU	Ok,M
13	O1260-01	BG056408.D	24 Jan 2023 18:29	CG/JU	Ok,M
14	O1260-16	BG056409.D	24 Jan 2023 19:10	CG/JU	Ok
15	O1260-19	BG056410.D	24 Jan 2023 19:51	CG/JU	Ok
16	O1260-07	BG056411.D	24 Jan 2023 20:32	CG/JU	Ok
17	O1266-01	BG056412.D	24 Jan 2023 21:13	CG/JU	Ok,M
18	O1190-01	BG056413.D	24 Jan 2023 21:54	CG/JU	Ok
19	O1232-07	BG056414.D	24 Jan 2023 22:35	CG/JU	Ok,M
20	O1256-01DL	BG056415.D	24 Jan 2023 23:16	CG/JU	Ok,M
21	O1254-01	BG056416.D	24 Jan 2023 23:57	CG/JU	Ok
22	O1268-01	BG056417.D	25 Jan 2023 00:38	CG/JU	Ok
23	O1253-01	BG056418.D	25 Jan 2023 1:18	CG/JU	Ok,M

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG012423

Review By	Christian	Review On	1/25/2023 10:30:24 AM		
Supervise By	Jagrut	Supervise On	1/25/2023 10:55:31 AM		
SubDirectory	BG012423	HP Acquire Method	BNA_G	HP Processing Method	bg122722

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10813,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP012323

Review By	Christian	Review On	1/24/2023 10:15:33 AM		
Supervise By	Jagrut	Supervise On	1/24/2023 10:33:07 AM		
SubDirectory	BP012323	HP Acquire Method	BNA_P	HP Processing Method	bp012323

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10812,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP013544.D	23 Jan 2023 10:51	CG/JU	Ok
2	SSTDICC2.5	BP013545.D	23 Jan 2023 11:25	CG/JU	Ok
3	SSTDICC005	BP013546.D	23 Jan 2023 12:00	CG/JU	Ok,M
4	SSTDICC010	BP013547.D	23 Jan 2023 12:34	CG/JU	Ok,M
5	SSTDICC020	BP013548.D	23 Jan 2023 13:08	CG/JU	Ok
6	SSTDICCC040	BP013549.D	23 Jan 2023 13:42	CG/JU	Ok
7	SSTDICC050	BP013550.D	23 Jan 2023 14:17	CG/JU	Ok
8	SSTDICC060	BP013551.D	23 Jan 2023 14:51	CG/JU	Ok,M
9	SSTDICC080	BP013552.D	23 Jan 2023 16:01	CG/JU	Ok,M
10	SSTDICV040	BP013553.D	23 Jan 2023 18:39	CG/JU	Ok
11	PB150389BL	BP013554.D	23 Jan 2023 19:14	CG/JU	Ok
12	PB150341BL	BP013555.D	23 Jan 2023 19:48	CG/JU	Ok
13	PB150389BS	BP013556.D	23 Jan 2023 20:22	CG/JU	Ok,M
14	PB150341BS	BP013557.D	23 Jan 2023 20:56	CG/JU	Ok
15	PB150338BL	BP013558.D	23 Jan 2023 21:30	CG/JU	Ok
16	PB150338BS	BP013559.D	23 Jan 2023 22:04	CG/JU	Ok,M
17	PB150338BSD	BP013560.D	23 Jan 2023 22:38	CG/JU	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP012423

Review By	Christian	Review On	1/25/2023 10:53:20 AM		
Supervise By	Jagrut	Supervise On	1/25/2023 5:44:02 PM		
SubDirectory	BP012423	HP Acquire Method	BNA_P	HP Processing Method	bp012323

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10812,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP013561.D	24 Jan 2023 09:20	CG/JU	Ok
2	SSTDCCC040	BP013562.D	24 Jan 2023 09:53	CG/JU	Ok,M
3	PB150368TB	BP013563.D	24 Jan 2023 10:28	CG/JU	Ok
4	O1239-02	BP013564.D	24 Jan 2023 11:09	CG/JU	Ok
5	O1233-10	BP013565.D	24 Jan 2023 11:43	CG/JU	Ok
6	O1232-02	BP013566.D	24 Jan 2023 12:17	CG/JU	Ok
7	O1221-02	BP013567.D	24 Jan 2023 12:51	CG/JU	Ok
8	O1214-18	BP013568.D	24 Jan 2023 13:25	CG/JU	Ok
9	O1214-19	BP013569.D	24 Jan 2023 14:00	CG/JU	Ok
10	DFTPP	BP013570.D	24 Jan 2023 14:38	CG/JU	Ok
11	SSTDCCC040	BP013571.D	24 Jan 2023 15:13	CG/JU	Ok
12	PB150378BL	BP013572.D	24 Jan 2023 15:50	CG/JU	Ok
13	O1255-02	BP013573.D	24 Jan 2023 16:28	CG/JU	Not Ok
14	O1252-03	BP013574.D	24 Jan 2023 17:02	CG/JU	Not Ok
15	O1190-02	BP013575.D	24 Jan 2023 17:36	CG/JU	Ok
16	O1190-02MS	BP013576.D	24 Jan 2023 18:11	CG/JU	Ok,M
17	O1190-02MSD	BP013577.D	24 Jan 2023 18:45	CG/JU	Ok,M
18	O1190-04	BP013578.D	24 Jan 2023 19:19	CG/JU	Ok,M
19	O1255-01	BP013579.D	24 Jan 2023 19:53	CG/JU	Ok
20	O1260-10	BP013580.D	24 Jan 2023 20:27	CG/JU	Ok
21	O1232-09	BP013581.D	24 Jan 2023 21:02	CG/JU	Ok
22	O1190-14	BP013582.D	24 Jan 2023 21:36	CG/JU	Ok,M
23	O1252-01	BP013583.D	24 Jan 2023 22:10	CG/JU	Ok

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP012423

Review By	Christian	Review On	1/25/2023 10:53:20 AM		
Supervise By	Jagrut	Supervise On	1/25/2023 5:44:02 PM		
SubDirectory	BP012423	HP Acquire Method	BNA_P	HP Processing Method	bp012323

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10812,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	O1232-03	BP013584.D	24 Jan 2023 22:44	CG/JU	Ok
25	O1190-12	BP013585.D	24 Jan 2023 23:18	CG/JU	Ok,M
26	O1232-04	BP013586.D	24 Jan 2023 23:52	CG/JU	Ok
27	O1260-04	BP013587.D	25 Jan 2023 00:27	CG/JU	Ok
28	O1244-01	BP013588.D	25 Jan 2023 01:01	CG/JU	Ok
29	O1260-13	BP013589.D	25 Jan 2023 01:35	CG/JU	Ok
30	O1233-11DL	BP013590.D	25 Jan 2023 02:09	CG/JU	Ok

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP013123

Review By	Christian	Review On	2/1/2023 2:25:59 PM		
Supervise By	Jagrut	Supervise On	2/1/2023 5:46:58 PM		
SubDirectory	BP013123	HP Acquire Method	BNA_P	HP Processing Method	bp013123

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10816,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP013668.D	31 Jan 2023 10:47	CG/JU	Ok
2	SSTDICC2.5	BP013669.D	31 Jan 2023 11:21	CG/JU	Ok
3	SSTDICC005	BP013670.D	31 Jan 2023 11:55	CG/JU	Ok,M
4	SSTDICC010	BP013671.D	31 Jan 2023 12:30	CG/JU	Ok,M
5	SSTDICC020	BP013672.D	31 Jan 2023 13:04	CG/JU	Ok
6	SSTDICCC040	BP013673.D	31 Jan 2023 13:38	CG/JU	Ok
7	SSTDICC050	BP013674.D	31 Jan 2023 14:12	CG/JU	Ok,M
8	SSTDICC060	BP013675.D	31 Jan 2023 14:47	CG/JU	Ok,M
9	SSTDICC080	BP013676.D	31 Jan 2023 15:56	CG/JU	Ok,M
10	SSTDICV040	BP013677.D	31 Jan 2023 17:04	CG/JU	Ok,M
11	PB150507BL	BP013678.D	31 Jan 2023 17:39	CG/JU	Ok
12	PB150555BS	BP013679.D	31 Jan 2023 18:13	CG/JU	Ok,M
13	PB150555BL	BP013680.D	31 Jan 2023 18:47	CG/JU	Ok
14	PB150507BS	BP013681.D	31 Jan 2023 19:21	CG/JU	Ok,M
15	PB150507BSD	BP013682.D	31 Jan 2023 19:56	CG/JU	Ok,M
16	PB150501BL	BP013683.D	31 Jan 2023 20:30	CG/JU	Not Ok
17	PB150378BS	BP013684.D	31 Jan 2023 21:04	CG/JU	Ok,M
18	PB150501BS	BP013685.D	31 Jan 2023 21:38	CG/JU	Not Ok

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF011923

Review By	Christian	Review On	1/20/2023 4:18:26 PM		
Supervise By	Jagrut	Supervise On	1/20/2023 5:07:11 PM		
SubDirectory	BF011923	HP Acquire Method	BNA_F	HP Processing Method	Bf011923

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10813,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF132139.D	19 Jan 2023 10:46		CG\JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF132140.D	19 Jan 2023 11:21		CG\JU	Ok
3	SSTDICC005	SSTDICC005	BF132141.D	19 Jan 2023 11:53	Compound #9,32,41,54,,65,,85 removed from 5ppm	CG\JU	Ok,M
4	SSTDICC010	SSTDICC010	BF132142.D	19 Jan 2023 12:26	Compound #26,32,48,54,65,80,84,87,92 Kept on LR and Compound#85 Kept on QR	CG\JU	Ok
5	SSTDICC020	SSTDICC020	BF132143.D	19 Jan 2023 12:59		CG\JU	Ok
6	SSTDICCC040	SSTDICCC040	BF132144.D	19 Jan 2023 13:32	The Calibration is Good For both 8270 DOD and 625.1 Method.	CG\JU	Ok,M
7	SSTDICC050	SSTDICC050	BF132145.D	19 Jan 2023 14:05		CG\JU	Ok,M
8	SSTDICC060	SSTDICC060	BF132146.D	19 Jan 2023 14:38	Compound #26 removed from 60ppm	CG\JU	Ok,M
9	SSTDICC080	SSTDICC080	BF132147.D	19 Jan 2023 15:11	Compound #09,26,45 removed from 80ppm	CG\JU	Ok,M
10	SSTDICV040	ICVBF011923	BF132148.D	19 Jan 2023 15:44		CG\JU	Ok
11	PB150317BL	PB150317BL	BF132149.D	19 Jan 2023 16:23		CG\JU	Ok
12	PB150317BS	PB150317BS	BF132150.D	19 Jan 2023 17:30		CG\JU	Ok,M
13	PB150317BSD	PB150317BSD	BF132151.D	19 Jan 2023 18:03		CG\JU	Ok,M
14	SP6108	SP6108	BF132152.D	19 Jan 2023 18:36	8270/625 SPIKE	CG\JU	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012023

Review By	Christian	Review On	1/23/2023 9:32:40 AM		
Supervise By	Jagrut	Supervise On	1/23/2023 10:45:37 AM		
SubDirectory	BF012023	HP Acquire Method	BNA_F	HP Processing Method	Bf011923

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10813,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF132153.D	20 Jan 2023 09:28		CG\JU	Ok
2	SSTDCCC040	SSTDCCC040	BF132154.D	20 Jan 2023 09:59		CG\JU	Ok,M
3	PB150196BL	PB150196BL	BF132155.D	20 Jan 2023 10:31		CG\JU	Ok
4	N3980-02	LOQ-SOIL-02-QT3-202	BF132156.D	20 Jan 2023 11:07	LOQ-SOIL 5ppm	CG\JU	Ok
5	N3980-02	LOQ-SOIL-02-QT3-202	BF132157.D	20 Jan 2023 12:09	LOQ-SOIL 10ppm -Recovery fails For certain compounds	CG\JU	Not Ok
6	N3980-02	LOQ-SOIL-02-QT3-202	BF132158.D	20 Jan 2023 13:04	LOQ-SOIL 10ppm	CG\JU	Ok
7	N3980-08	LOQ-WATER-02-QT3-2	BF132159.D	20 Jan 2023 13:37	LOQ-WATER-5ppm - Recovery of 2-Nitrophenol biased high	CG\JU	Not Ok
8	N3980-08	LOQ-WATER-02-QT3-2	BF132160.D	20 Jan 2023 14:09	LOQ-WATER-10ppm	CG\JU	Ok,M
9	N3980-08	LOQ-WATER-02-QT3-2	BF132161.D	20 Jan 2023 15:02	LOQ-WATER-5ppm	CG\JU	Ok,M
10	SSTDCCC040	SSTDCCC040EC	BF132162.D	20 Jan 2023 15:35		CG\JU	Ok,M
11	DFTPP	DFTPP	BF132163.D	20 Jan 2023 16:08		CG\JU	Ok
12	SSTDCCC040	SSTDCCC040	BF132164.D	20 Jan 2023 16:40		CG\JU	Ok,M
13	PB150261BL	PB150261BL	BF132165.D	20 Jan 2023 17:13		CG\JU	Ok
14	PB150261BS	PB150261BS	BF132166.D	20 Jan 2023 17:50		CG\JU	Ok,M
15	O1160-01	B-04-SB02	BF132167.D	20 Jan 2023 18:23		CG\JU	Ok
16	O1160-01MS	B-04-SB02MS	BF132168.D	20 Jan 2023 18:56		CG\JU	Ok,M
17	O1160-01MSD	B-04-SB02MSD	BF132169.D	20 Jan 2023 19:30		CG\JU	Ok,M
18	O1233-02	B-P34A	BF132170.D	20 Jan 2023 20:03		CG\JU	Ok

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012023

Review By	Christian	Review On	1/23/2023 9:32:40 AM		
Supervise By	Jagrut	Supervise On	1/23/2023 10:45:37 AM		
SubDirectory	BF012023	HP Acquire Method	BNA_F	HP Processing Method	Bf011923

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10813,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	O1233-02MS	B-P34AMS	BF132171.D	20 Jan 2023 20:35		CG\JU	Ok,M
20	O1233-02MSD	B-P34AMSD	BF132172.D	20 Jan 2023 21:08		CG\JU	Ok,M
21	O1214-06	TJRC-011723-B3-10-20	BF132173.D	20 Jan 2023 21:41		CG\JU	Ok,M
22	O1233-07	B-P37B	BF132174.D	20 Jan 2023 22:13		CG\JU	Ok
23	O1232-01	B-P17A	BF132175.D	20 Jan 2023 22:46		CG\JU	Ok
24	O1232-02	B-P17B	BF132176.D	20 Jan 2023 23:19	Bad Injection	CG\JU	Not Ok
25	O1232-08	B-P35A	BF132177.D	20 Jan 2023 23:51		CG\JU	Ok
26	O1233-03	B-P34B	BF132178.D	21 Jan 2023 00:23		CG\JU	Ok
27	O1233-04	B-P36A	BF132179.D	21 Jan 2023 00:56		CG\JU	Ok
28	O1233-05	B-P36B	BF132180.D	21 Jan 2023 01:28		CG\JU	Ok
29	O1233-09	B-P38B	BF132181.D	21 Jan 2023 02:00		CG\JU	Ok
30	O1233-11	B-P38C	BF132182.D	21 Jan 2023 02:33	Need 5X	CG\JU	Dilution
31	SSTDCCC040	SSTDCCC040EC	BF132183.D	21 Jan 2023 03:05		CG\JU	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG122722

Review By	Christian	Review On	12/28/2022 9:12:21 AM		
Supervise By	Jagrut	Supervise On	12/28/2022 2:11:00 PM		
SubDirectory	BG122722	HP Acquire Method	BNA_G	HP Processing Method	bg122722

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10810,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG056125.D	27 Dec 2022 14:13		CG/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG056126.D	27 Dec 2022 14:55		CG/JU	Ok
3	SSTDICC005	SSTDICC005	BG056127.D	27 Dec 2022 15:36		CG/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG056128.D	27 Dec 2022 16:17		CG/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG056129.D	27 Dec 2022 16:58		CG/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG056130.D	27 Dec 2022 17:40	The Calibration is Good For 8270 DOD and Not good for 625.1 Method	CG/JU	Ok
7	SSTDICC050	SSTDICC050	BG056131.D	27 Dec 2022 18:21		CG/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG056132.D	27 Dec 2022 19:01		CG/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG056133.D	27 Dec 2022 19:42		CG/JU	Ok,M
10	SSTDICV040	ICVBG122722	BG056134.D	27 Dec 2022 20:24		CG/JU	Ok,M
11	PB149828BL	PB149828BL	BG056135.D	27 Dec 2022 21:46		CG/JU	Ok
12	PB149912BL	PB149912BL	BG056136.D	27 Dec 2022 22:27		CG/JU	Ok

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG012023

Review By	Christian	Review On	1/23/2023 9:34:21 AM		
Supervise By	Jagrut	Supervise On	1/23/2023 11:03:53 AM		
SubDirectory	BG012023	HP Acquire Method	BNA_G	HP Processing Method	bg122722

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10813,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG056362.D	20 Jan 2023 11:01		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG056363.D	20 Jan 2023 11:44		CG/JU	Ok,M
3	PB150307TB	PB150307TB	BG056364.D	20 Jan 2023 12:25		CG/JU	Ok
4	O1217-02	BORING-4	BG056365.D	20 Jan 2023 13:13		CG/JU	Ok
5	O1217-15	BORING-2	BG056366.D	20 Jan 2023 13:53		CG/JU	Ok
6	O1220-05	TP-G	BG056367.D	20 Jan 2023 14:34		CG/JU	Ok
7	O1220-02	MH-8	BG056368.D	20 Jan 2023 15:20		CG/JU	Ok
8	O1239-01	BORING-3	BG056369.D	20 Jan 2023 16:01		CG/JU	Ok
9	O1239-01MS	BORING-3MS	BG056370.D	20 Jan 2023 16:43		CG/JU	Ok,M
10	O1239-01MSD	BORING-3MSD	BG056371.D	20 Jan 2023 17:24		CG/JU	Ok,M
11	O1232-06	B-P19A	BG056372.D	20 Jan 2023 18:05		CG/JU	Ok,M
12	O1232-05	B-P18B	BG056373.D	20 Jan 2023 18:47		CG/JU	Ok
13	O1237-01	COMP-1-2-3A	BG056374.D	20 Jan 2023 19:28		CG/JU	Ok
14	O1232-10	DUP01	BG056375.D	20 Jan 2023 20:09		CG/JU	Ok
15	O1240-01	TR-05-011923	BG056376.D	20 Jan 2023 20:51		CG/JU	Ok,M
16	O1234-01	EO-02-11923	BG056377.D	20 Jan 2023 21:32	Need 10X	CG/JU	Dilution
17	O1229-01	OK-02-011923	BG056378.D	20 Jan 2023 22:13		CG/JU	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG012423

Review By	Christian	Review On	1/25/2023 10:30:24 AM		
Supervise By	Jagrut	Supervise On	1/25/2023 10:55:31 AM		
SubDirectory	BG012423	HP Acquire Method	BNA_G	HP Processing Method	bg122722

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10813,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG056396.D	24 Jan 2023 9:57		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG056397.D	24 Jan 2023 10:39		CG/JU	Ok,M
3	PB150335BL	PB150335BL	BG056398.D	24 Jan 2023 11:20		CG/JU	Ok
4	O1152-01	TOPSOIL-STMWTR-DE	BG056399.D	24 Jan 2023 12:06		CG/JU	Ok,M
5	O1190-13	WS-1D	BG056400.D	24 Jan 2023 12:47		CG/JU	Ok,M
6	SSTDCCC040	SSTDCCC040EC	BG056401.D	24 Jan 2023 13:34		CG/JU	Ok,M
7	DFTPP	DFTPP	BG056402.D	24 Jan 2023 14:15		CG/JU	Ok
8	SSTDCCC040	SSTDCCC040	BG056403.D	24 Jan 2023 14:59		CG/JU	Ok,M
9	PB150385BL	PB150385BL	BG056404.D	24 Jan 2023 15:40		CG/JU	Ok
10	O1260-22	TP-28	BG056405.D	24 Jan 2023 16:25		CG/JU	Ok
11	O1260-22MS	TP-28MS	BG056406.D	24 Jan 2023 17:07		CG/JU	Ok,M
12	O1260-22MSD	TP-28MSD	BG056407.D	24 Jan 2023 17:48		CG/JU	Ok,M
13	O1260-01	TP-21	BG056408.D	24 Jan 2023 18:29		CG/JU	Ok,M
14	O1260-16	TP-26	BG056409.D	24 Jan 2023 19:10		CG/JU	Ok
15	O1260-19	TP-27	BG056410.D	24 Jan 2023 19:51		CG/JU	Ok
16	O1260-07	TP-23	BG056411.D	24 Jan 2023 20:32		CG/JU	Ok
17	O1266-01	VNJ-219	BG056412.D	24 Jan 2023 21:13		CG/JU	Ok,M
18	O1190-01	PE-1	BG056413.D	24 Jan 2023 21:54		CG/JU	Ok
19	O1232-07	B-P19B	BG056414.D	24 Jan 2023 22:35		CG/JU	Ok,M

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG012423

Review By	Christian	Review On	1/25/2023 10:30:24 AM		
Supervise By	Jagrut	Supervise On	1/25/2023 10:55:31 AM		
SubDirectory	BG012423	HP Acquire Method	BNA_G	HP Processing Method	bg122722

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10813,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	O1256-01DL	OR-02-012023DL	BG056415.D	24 Jan 2023 23:16		CG/JU	Ok,M
21	O1254-01	HR-04-012023	BG056416.D	24 Jan 2023 23:57		CG/JU	Ok
22	O1268-01	TR-06-012323	BG056417.D	25 Jan 2023 00:38		CG/JU	Ok
23	O1253-01	SU-04-012023	BG056418.D	25 Jan 2023 1:18		CG/JU	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP012323

Review By	Christian	Review On	1/24/2023 10:15:33 AM		
Supervise By	Jagrut	Supervise On	1/24/2023 10:33:07 AM		
SubDirectory	BP012323	HP Acquire Method	BNA_P	HP Processing Method	bp012323

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10812,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP013544.D	23 Jan 2023 10:51		CG/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP013545.D	23 Jan 2023 11:25		CG/JU	Ok
3	SSTDICC005	SSTDICC005	BP013546.D	23 Jan 2023 12:00	Compound #32,41,56,65,70 removed from 5ppm	CG/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP013547.D	23 Jan 2023 12:34		CG/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP013548.D	23 Jan 2023 13:08	Compound #41,48,51,53,56,57,62,70 kept on LR and Compound#26,32,54,65 kept on QR	CG/JU	Ok
6	SSTDICCC040	SSTDICCC040	BP013549.D	23 Jan 2023 13:42	The Calibration is Good For 8270 DOD and Not good for 625.1 Method	CG/JU	Ok
7	SSTDICC050	SSTDICC050	BP013550.D	23 Jan 2023 14:17		CG/JU	Ok
8	SSTDICC060	SSTDICC060	BP013551.D	23 Jan 2023 14:51	Compound #9 removed from 60ppm	CG/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP013552.D	23 Jan 2023 16:01	Compound #09,26,42,54,56,57,62,80 removed from 80ppm	CG/JU	Ok,M
10	SSTDICV040	ICVBP012323	BP013553.D	23 Jan 2023 18:39		CG/JU	Ok
11	PB150389BL	PB150389BL	BP013554.D	23 Jan 2023 19:14		CG/JU	Ok
12	PB150341BL	PB150341BL	BP013555.D	23 Jan 2023 19:48		CG/JU	Ok
13	PB150389BS	PB150389BS	BP013556.D	23 Jan 2023 20:22		CG/JU	Ok,M
14	PB150341BS	PB150341BS	BP013557.D	23 Jan 2023 20:56		CG/JU	Ok
15	PB150338BL	PB150338BL	BP013558.D	23 Jan 2023 21:30		CG/JU	Ok

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP012323

Review By	Christian	Review On	1/24/2023 10:15:33 AM		
Supervise By	Jagrut	Supervise On	1/24/2023 10:33:07 AM		
SubDirectory	BP012323	HP Acquire Method	BNA_P	HP Processing Method	bp012323

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10812,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

16	PB150338BS	PB150338BS	BP013559.D	23 Jan 2023 22:04		CG/JU	Ok,M
17	PB150338BSD	PB150338BSD	BP013560.D	23 Jan 2023 22:38		CG/JU	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP012423

Review By	Christian	Review On	1/25/2023 10:53:20 AM		
Supervise By	Jagrut	Supervise On	1/25/2023 5:44:02 PM		
SubDirectory	BP012423	HP Acquire Method	BNA_P	HP Processing Method	bp012323

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10812,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP013561.D	24 Jan 2023 09:20		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP013562.D	24 Jan 2023 09:53		CG/JU	Ok,M
3	PB150368TB	PB150368TB	BP013563.D	24 Jan 2023 10:28		CG/JU	Ok
4	O1239-02	BORING-3	BP013564.D	24 Jan 2023 11:09		CG/JU	Ok
5	O1233-10	WC-38	BP013565.D	24 Jan 2023 11:43		CG/JU	Ok
6	O1232-02	B-P17B	BP013566.D	24 Jan 2023 12:17		CG/JU	Ok
7	O1221-02	MW-11-0118	BP013567.D	24 Jan 2023 12:51		CG/JU	Ok
8	O1214-18	TJRC-011823-GW	BP013568.D	24 Jan 2023 13:25		CG/JU	Ok
9	O1214-19	TJRC-011823-GW-DUP	BP013569.D	24 Jan 2023 14:00		CG/JU	Ok
10	DFTPP	DFTPP	BP013570.D	24 Jan 2023 14:38		CG/JU	Ok
11	SSTDCCC040	SSTDCCC040	BP013571.D	24 Jan 2023 15:13		CG/JU	Ok
12	PB150378BL	PB150378BL	BP013572.D	24 Jan 2023 15:50		CG/JU	Ok
13	O1255-02	BORING-1	BP013573.D	24 Jan 2023 16:28	com# 57,65, biased High in the CCC. ANALYZE AGAIN	CG/JU	Not Ok
14	O1252-03	MH-9	BP013574.D	24 Jan 2023 17:02	com# 57 biased High in the CCC.	CG/JU	Not Ok
15	O1190-02	PE-1D	BP013575.D	24 Jan 2023 17:36		CG/JU	Ok
16	O1190-02MS	PE-1DMS	BP013576.D	24 Jan 2023 18:11		CG/JU	Ok,M
17	O1190-02MSD	PE-1DMSD	BP013577.D	24 Jan 2023 18:45		CG/JU	Ok,M
18	O1190-04	PE-3	BP013578.D	24 Jan 2023 19:19		CG/JU	Ok,M

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP012423

Review By	Christian	Review On	1/25/2023 10:53:20 AM		
Supervise By	Jagrut	Supervise On	1/25/2023 5:44:02 PM		
SubDirectory	BP012423	HP Acquire Method	BNA_P	HP Processing Method	bp012323

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10812,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	O1255-01	BORING-1	BP013579.D	24 Jan 2023 19:53		CG/JU	Ok
20	O1260-10	TP-24	BP013580.D	24 Jan 2023 20:27		CG/JU	Ok
21	O1232-09	B-P35B	BP013581.D	24 Jan 2023 21:02		CG/JU	Ok
22	O1190-14	WS-2	BP013582.D	24 Jan 2023 21:36		CG/JU	Ok,M
23	O1252-01	MH-9	BP013583.D	24 Jan 2023 22:10		CG/JU	Ok
24	O1232-03	WC-17	BP013584.D	24 Jan 2023 22:44		CG/JU	Ok
25	O1190-12	WS-1	BP013585.D	24 Jan 2023 23:18		CG/JU	Ok,M
26	O1232-04	B-P18A	BP013586.D	24 Jan 2023 23:52		CG/JU	Ok
27	O1260-04	TP-22	BP013587.D	25 Jan 2023 00:27		CG/JU	Ok
28	O1244-01	VNJ-223	BP013588.D	25 Jan 2023 01:01		CG/JU	Ok
29	O1260-13	TP-25	BP013589.D	25 Jan 2023 01:35		CG/JU	Ok
30	O1233-11DL	B-P38CDL	BP013590.D	25 Jan 2023 02:09		CG/JU	Ok

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP013123

Review By	Christian	Review On	2/1/2023 2:25:59 PM		
Supervise By	Jagrut	Supervise On	2/1/2023 5:46:58 PM		
SubDirectory	BP013123	HP Acquire Method	BNA_P	HP Processing Method	bp013123

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10816,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP013668.D	31 Jan 2023 10:47		CG/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP013669.D	31 Jan 2023 11:21		CG/JU	Ok
3	SSTDICC005	SSTDICC005	BP013670.D	31 Jan 2023 11:55	Compound #32,41,54,56,65 removed from 5ppm	CG/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP013671.D	31 Jan 2023 12:30		CG/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP013672.D	31 Jan 2023 13:04	Compound #26,32,48,51,53,54,57,62,65 Kept on LR and Compound# 09 kept on QR	CG/JU	Ok
6	SSTDICCC040	SSTDICCC040	BP013673.D	31 Jan 2023 13:38	The calibration is Good For 8270 DOD and Not good for 625.1 Method.	CG/JU	Ok
7	SSTDICC050	SSTDICC050	BP013674.D	31 Jan 2023 14:12		CG/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP013675.D	31 Jan 2023 14:47		CG/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP013676.D	31 Jan 2023 15:56	Compound #9 removed from 80ppm	CG/JU	Ok,M
10	SSTDICV040	ICVBP013123	BP013677.D	31 Jan 2023 17:04		CG/JU	Ok,M
11	PB150507BL	PB150507BL	BP013678.D	31 Jan 2023 17:39		CG/JU	Ok
12	PB150555BS	PB150555BS	BP013679.D	31 Jan 2023 18:13		CG/JU	Ok,M
13	PB150555BL	PB150555BL	BP013680.D	31 Jan 2023 18:47		CG/JU	Ok
14	PB150507BS	PB150507BS	BP013681.D	31 Jan 2023 19:21		CG/JU	Ok,M
15	PB150507BSD	PB150507BSD	BP013682.D	31 Jan 2023 19:56		CG/JU	Ok,M
16	PB150501BL	PB150501BL	BP013683.D	31 Jan 2023 20:30	Surrogate Fail	CG/JU	Not Ok
17	PB150378BS	PB150378BS	BP013684.D	31 Jan 2023 21:04		CG/JU	Ok,M

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP013123

Review By	Christian	Review On	2/1/2023 2:25:59 PM		
Supervise By	Jagrut	Supervise On	2/1/2023 5:46:58 PM		
SubDirectory	BP013123	HP Acquire Method	BNA_P	HP Processing Method	bp013123

STD. NAME	STD REF.#
Tune/Reschk	SP6029
Initial Calibration Stds	SP6099,SP6098,SP6097,SP6096,SP6095,SP6094,SP6093,SP6092
CCC	SP6095
Internal Standard/PEM	S10816,10ul/1000ul sample
ICV/I.BLK	SP6101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	PB150501BS	PB150501BS	BP013685.D	31 Jan 2023 21:38	already ran	CG/JU	Not Ok

M : Manual Integration

CHEMTECH

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/23/2023

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 01/20/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:30
Out Date: 01/21/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: %SOLIDS-OVEN

QC: LB123747

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g)(B)	Dish+Dry Sample Wt(g)(C)	% Solid	Comments
O1229-01	OK-02-011923	1	1.12	8.72	9.84	8.73	87.3	
O1229-02	OK-02-011923-EPH-2	2	1.12	8.72	9.84	8.73	87.3	
O1230-01	BBC	3	1.15	8.45	9.6	9.47	98.5	
O1231-01	BBC	4	1.19	8.53	9.72	9.57	98.2	
O1232-01	B-P-17A	18	1.15	8.78	9.93	9.00	89.4	
O1232-02	B-P-17B	19	1.15	8.41	9.56	8.46	86.9	
O1232-03	WC-17	20	1.13	8.64	9.77	9.03	91.4	
O1232-04	B-P-18A	21	1.13	8.57	9.7	8.63	87.5	
O1232-05	B-P-18B	22	1.15	8.83	9.98	9.22	91.4	
O1232-06	B-P-19A	23	1.12	8.57	9.69	8.68	88.2	
O1232-07	B-P-19B	24	1.18	8.35	9.53	8.53	88.0	
O1232-08	B-P-35A	25	1.13	8.62	9.75	9.00	91.3	
O1232-09	B-P-35B	26	1.17	8.53	9.7	9.13	93.3	
O1232-10	DUP01	27	1.15	8.80	9.95	9.08	90.1	
O1233-02	B-P34A	28	1.13	8.76	9.89	8.6	85.3	
O1233-03	B-P34B	29	1.13	8.71	9.84	9.03	90.7	
O1233-04	B-P36A	30	1.16	8.75	9.91	9.00	89.6	
O1233-05	B-P36B	31	1.13	8.84	9.97	9.12	90.4	
O1233-06	B-P37A	32	1.18	8.60	9.78	8.74	87.9	
O1233-07	B-P37B	33	1.18	8.38	9.56	8.18	83.5	
O1233-08	B-P38A	34	1.12	8.66	9.78	8.85	89.3	
O1233-09	B-P38B	35	1.15	8.81	9.96	8.26	80.7	
O1233-10	WC-38	36	1.18	8.59	9.77	8.47	84.9	
O1233-11	B-P38C	37	1.15	8.82	9.97	8.73	85.9	
O1234-01	EO-02-11923	5	1.14	8.82	9.96	8.72	85.9	
O1234-02	EO-02-11923	6	1.12	8.54	9.66	8.48	86.2	
O1235-04	12X52	7	1.12	7.08	8.2	6.57	77.0	
O1235-05	12X53	8	1.16	5.17	6.33	5.91	91.9	

CHEMTECH

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/23/2023

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 01/20/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:30
Out Date: 01/21/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: %SOLIDS-OVEN

QC: LB123747

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g)(B)	Dish+Dry Sample Wt(g)(C)	% Solid	Comments
O1235-06	12X54	9	1.11	8.50	9.61	5.73	54.4	
O1235-07	12X55	10	1.13	8.43	9.56	7.14	71.3	
O1237-01	COMP-1-2-3A	11	1.18	8.72	9.9	9.24	92.4	
O1237-02	3A	12	1.13	8.44	9.57	9.33	97.2	
O1238-01	RBRB22281-OILY-DEBRIS	13	1.00	1.00	2.00	2.00	100.0	OILY DEBRIS
O1239-01	BORING-3	14	1.17	8.73	9.9	8.29	81.6	
O1239-03	BORING-3-EPH-2	15	1.13	8.64	9.77	8.31	83.1	
O1240-01	TR-05-011923	16	1.18	8.50	9.68	8.38	84.7	
O1240-02	TR-05-011923-EPH-2	17	1.17	8.67	9.84	8.73	87.2	
O1241-01	34326-FRONT	38	1.00	1.00	2.00	2.00	100.0	PILC REEL
O1241-02	34326-BACK	39	1.00	1.00	2.00	2.00	100.0	PILC REEL
O1241-03	34327-FRONT	40	1.00	1.00	2.00	2.00	100.0	PILC REEL
O1241-04	34327-BACK	41	1.00	1.00	2.00	2.00	100.0	PILC REEL
O1241-05	34328-FRONT	42	1.00	1.00	2.00	2.00	100.0	PILC REEL
O1241-06	34328BACK	43	1.00	1.00	2.00	2.00	100.0	PILC REEL
O1241-07	343269-FRONT	44	1.00	1.00	2.00	2.00	100.0	PILC REEL
O1241-08	34329-BACK	45	1.00	1.00	2.00	2.00	100.0	PILC REEL
O1243-01	TJRC-11823-B4-0-10	60	1.12	8.65	9.77	8.54	85.8	
O1243-02	TJRC-11823-B4-0-10	61	1.14	8.45	9.59	8.02	81.4	
O1243-03	TJRC-11823-B4-10-20	62	1.15	8.81	9.96	8.85	87.4	
O1243-04	TJRC-11823-B4-10-20	63	1.17	8.57	9.74	8.16	81.6	
O1243-05	TJRC-11923-B4-20-30	64	1.15	8.75	9.9	8.28	81.5	
O1243-06	TJRC-11923-B4-20-30	65	1.13	8.70	9.83	8.43	83.9	
O1243-07	TJRC-11923-B4-30-40	66	1.16	8.77	9.93	8.29	81.3	
O1243-08	TJRC-11923-B4-30-40	67	1.14	8.83	9.97	8.47	83.0	
O1244-01	VNJ-223	46	1.12	8.62	9.74	8.59	86.7	
O1244-02	VNJ-223	47	1.16	8.80	9.96	8.62	84.8	
O1248-05	SVOC-GPC-BLANK	50	1.00	1.00	2.00	2.00	100.0	

CHEMTECH

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/23/2023

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 01/20/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:30
Out Date: 01/21/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: %SOLIDS-OVEN

QC: LB123747

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g)(B)	Dish+Dry Sample Wt(g)(C)	% Solid	Comments
O1248-06	PEST-GPC-BLANK	51	1.00	1.00	2.00	2.00	100.0	
O1248-07	PEST-GPC-BLANK-SPIKE	52	1.00	1.00	2.00	2.00	100.0	
O1248-08	PCB-GPC-BLANK	53	1.00	1.00	2.00	2.00	100.0	
O1248-09	PCB-GPC-BLANK-SPIKE	54	1.00	1.00	2.00	2.00	100.0	
O1248-10	SVOC-GPC2-BLANK	55	1.00	1.00	2.00	2.00	100.0	
O1248-11	PEST-GPC2-BLANK	56	1.00	1.00	2.00	2.00	100.0	
O1248-12	PEST-GPC2-BLANK-SPIKE	57	1.00	1.00	2.00	2.00	100.0	
O1248-13	PCB-GCP2-BLANK	58	1.00	1.00	2.00	2.00	100.0	
O1248-14	PCB-GCP2-BLANK-SPIKE	59	1.00	1.00	2.00	2.00	100.0	
O1251-01	COMP-1	68	1.13	8.43	9.56	8.44	86.7	
O1251-03	EPH-1	69	1.11	8.51	9.62	8.47	86.5	
O1251-05	TOT-VOC-1	70	1.00	1.00	2.00	2.00	100.0	no jar
O1251-06	TOT-VOC-2	71	1.00	1.00	2.00	2.00	100.0	no jar
O1251-07	COMP-2	72	1.12	8.74	9.86	8.75	87.3	
O1251-09	EPH-2	73	1.14	8.80	9.94	8.8	87.0	
O1251-11	TOT-VOC-3	74	1.00	1.00	2.00	2.00	100.0	no jar
O1251-12	TOT-VOC-4	75	1.00	1.00	2.00	2.00	100.0	no jar
O1252-01	MH-9	48	1.14	8.84	9.98	9.47	94.2	
O1252-02	MH-9-EPH	49	1.12	8.46	9.58	8.67	89.2	
O1253-01	SU-04-012023	79	1.12	8.47	9.59	8.99	92.9	
O1253-02	SU-04-012023-EPH-2	80	1.18	8.69	9.87	9.17	91.9	
O1254-01	HR-04-012023	81	1.13	8.66	9.79	9.09	91.9	
O1254-02	HR-04-012023-EPH-2	82	1.16	8.69	9.85	8.95	89.6	
O1255-01	BORING-1	76	1.18	8.61	9.79	8.32	82.9	
O1255-03	BORING-1-EPH-2	77	1.11	8.78	9.89	8.35	82.5	
O1256-01	OR-02-012023	83	1.15	8.81	9.96	9.09	90.1	
O1256-02	OR-02-012023-EPH-2	84	1.1	8.87	9.97	8.66	85.2	

CHEMTECH

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/23/2023

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 01/20/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:30
Out Date: 01/21/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: %SOLIDS-OVEN

QC: LB123747

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
O1258-01	WASTE-VOA-2	78	1.12	8.58	9.7	8.62	87.4	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 123747

WorkList Name : %1-012023 **WorkList ID :** 166715 **Department :** Wet-Chemistry **Date :** 01-20-2023 09:10:27

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
01/24/2023	Solid	O1229-01	Percent Solids	Cool 4 deg C	PSEG05	N11	OK-02-011923	01/19/2023	Chemtech -SO
01/24/2023	Solid	O1229-02	Percent Solids	Cool 4 deg C	PSEG05	N11	OK-02-011923-EPH-2	01/19/2023	Chemtech -SO
01/26/2023	Solid	O1230-01	Percent Solids	Cool 4 deg C	EART12	N11	BBC	01/19/2023	Chemtech -SO
01/26/2023	Solid	O1231-01	Percent Solids	Cool 4 deg C	EART12	N11	BBC	01/19/2023	Chemtech -SO
01/26/2023	Solid	O1232-01	Percent Solids	Cool 4 deg C	loui01	N11	B-P-17A	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1232-02	Percent Solids	Cool 4 deg C	loui01	N11	B-P-17B	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1232-03	Percent Solids	Cool 4 deg C	loui01	N11	WC-17	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1232-04	Percent Solids	Cool 4 deg C	loui01	N11	B-P-18A	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1232-05	Percent Solids	Cool 4 deg C	loui01	N11	B-P-18B	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1232-06	Percent Solids	Cool 4 deg C	loui01	N11	B-P-19A	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1232-07	Percent Solids	Cool 4 deg C	loui01	N11	B-P-19B	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1232-08	Percent Solids	Cool 4 deg C	loui01	N11	B-P-35A	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1232-09	Percent Solids	Cool 4 deg C	loui01	N11	B-P-35B	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1232-10	Percent Solids	Cool 4 deg C	loui01	N11	DUP01	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1233-02	Percent Solids	Cool 4 deg C	loui01	N11	B-P34A	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1233-03	Percent Solids	Cool 4 deg C	loui01	N11	B-P34B	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1233-04	Percent Solids	Cool 4 deg C	loui01	N11	B-P36A	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1233-05	Percent Solids	Cool 4 deg C	loui01	N11	B-P36B	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1233-06	Percent Solids	Cool 4 deg C	loui01	N11	B-P37A	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1233-07	Percent Solids	Cool 4 deg C	loui01	N11	B-P37B	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1233-08	Percent Solids	Cool 4 deg C	loui01	N11	B-P38A	01/18/2023	Chemtech -SO

Date/Time 01.20.23 15:45

Raw Sample Received by: JD (WC)

Raw Sample Relinquished by: JD (CSM)

Date/Time 01.20.23 17:25

Raw Sample Received by: JD CSM

Raw Sample Relinquished by: JD (WC)

123747

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-012023 **WorkList ID :** 166715 **Department :** Wet-Chemistry **Date :** 01-20-2023 09:10:27

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
01/26/2023	Solid	O1233-09	Percent Solids	Cool 4 deg C	loui01	N11	B-P38B	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1233-10	Percent Solids	Cool 4 deg C	loui01	N11	WC-38	01/18/2023	Chemtech -SO
01/26/2023	Solid	O1233-11	Percent Solids	Cool 4 deg C	loui01	N11	B-P38C	01/18/2023	Chemtech -SO
01/24/2023	Solid	O1234-01	Percent Solids	Cool 4 deg C	PSEG05	N11	EO-02-11923	01/19/2023	Chemtech -SO
01/24/2023	Solid	O1234-02	Percent Solids	Cool 4 deg C	PSEG05	N11	EO-02-11923	01/19/2023	Chemtech -SO
01/28/2023	Solid	O1235-04	Percent Solids	Cool 4 deg C	ATCE02	N11	12X52	01/18/2023	Chemtech -SO
01/28/2023	Solid	O1235-05	Percent Solids	Cool 4 deg C	ATCE02	N11	12X53	01/18/2023	Chemtech -SO
01/28/2023	Solid	O1235-06	Percent Solids	Cool 4 deg C	ATCE02	N11	12X54	01/18/2023	Chemtech -SO
01/28/2023	Solid	O1235-07	Percent Solids	Cool 4 deg C	ATCE02	N11	12X55	01/18/2023	Chemtech -SO
01/24/2023	Solid	O1237-01	Percent Solids	Cool 4 deg C	PSEG03	N12	COMP-1-2-3A	01/19/2023	Chemtech -SO
01/24/2023	Solid	O1237-02	Percent Solids	Cool 4 deg C	PSEG03	N12	3A	01/19/2023	Chemtech -SO
01/24/2023	Solid	O1238-01	Percent Solids	Cool 4 deg C	PSEG03	N12	RBRB22281-OILY-DEBRIS	01/19/2023	Chemtech -SO
01/26/2023	Solid	O1239-01	Percent Solids	Cool 4 deg C	PSEG03	N12	BORING-3	01/19/2023	Chemtech -SO
01/26/2023	Solid	O1239-03	Percent Solids	Cool 4 deg C	PSEG03	N12	BORING-3-EPH-2	01/19/2023	Chemtech -SO
01/24/2023	Solid	O1240-01	Percent Solids	Cool 4 deg C	PSEG05	N12	TR-05-011923	01/19/2023	Chemtech -SO
01/24/2023	Solid	O1240-02	Percent Solids	Cool 4 deg C	PSEG05	N12	TR-05-011923-EPH-2	01/19/2023	Chemtech -SO
01/27/2023	Solid	O1241-01	Percent Solids	Cool 4 deg C	PSEG03	N11	34326-FRONT	01/20/2023	Chemtech -SO
01/27/2023	Solid	O1241-02	Percent Solids	Cool 4 deg C	PSEG03	N11	34326-BACK	01/20/2023	Chemtech -SO
01/27/2023	Solid	O1241-03	Percent Solids	Cool 4 deg C	PSEG03	N11	34327-FRONT	01/20/2023	Chemtech -SO
01/27/2023	Solid	O1241-04	Percent Solids	Cool 4 deg C	PSEG03	N11	34327-BACK	01/20/2023	Chemtech -SO
01/27/2023	Solid	O1241-05	Percent Solids	Cool 4 deg C	PSEG03	N11	34328-FRONT	01/20/2023	Chemtech -SO

Date/Time 01.20.23 15:45

Raw Sample Received by: JP (WC)

Raw Sample Relinquished by: JD CSM)

Date/Time 01.20.23 17:25

Raw Sample Received by: JD CSM)

Raw Sample Relinquished by: JP (WC)

UB 123747

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-012023 **WorkList ID :** 166715 **Department :** Wet-Chemistry **Date :** 01-20-2023 09:10:27

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
01/27/2023	Solid	O1241-06	Percent Solids	Cool 4 deg C	PSEG03	N11	34328BACK	01/20/2023	Chemtech -SO
01/27/2023	Solid	O1241-07	Percent Solids	Cool 4 deg C	PSEG03	N11	343269-FRONT	01/20/2023	Chemtech -SO
01/27/2023	Solid	O1241-08	Percent Solids	Cool 4 deg C	PSEG03	N11	34329-BACK	01/20/2023	Chemtech -SO
01/28/2023	Solid	O1243-01	Percent Solids	Cool 4 deg C	ENTE01	N11	TJRC-11823-B4-0-10	01/18/2023	Chemtech -SO
01/28/2023	Solid	O1243-02	Percent Solids	Cool 4 deg C	ENTE01	N11	TJRC-11823-B4-0-10	01/18/2023	Chemtech -SO
01/28/2023	Solid	O1243-03	Percent Solids	Cool 4 deg C	ENTE01	N11	TJRC-11823-B4-10-20	01/18/2023	Chemtech -SO
01/28/2023	Solid	O1243-04	Percent Solids	Cool 4 deg C	ENTE01	N11	TJRC-11823-B4-10-20	01/18/2023	Chemtech -SO
01/29/2023	Solid	O1243-05	Percent Solids	Cool 4 deg C	ENTE01	N11	TJRC-11823-B4-20-30	01/19/2023	Chemtech -SO
01/29/2023	Solid	O1243-06	Percent Solids	Cool 4 deg C	ENTE01	N11	TJRC-11823-B4-20-30	01/19/2023	Chemtech -SO
01/29/2023	Solid	O1243-07	Percent Solids	Cool 4 deg C	ENTE01	N11	TJRC-11823-B4-30-40	01/19/2023	Chemtech -SO
01/29/2023	Solid	O1243-08	Percent Solids	Cool 4 deg C	ENTE01	N11	TJRC-11823-B4-30-40	01/19/2023	Chemtech -SO
01/27/2023	Solid	O1244-01	Percent Solids	Cool 4 deg C	PSEG03	N11	VNJ-223	01/20/2023	Chemtech -SO
01/27/2023	Solid	O1244-02	Percent Solids	Cool 4 deg C	PSEG03	N11	VNJ-223	01/20/2023	Chemtech -SO
01/23/2023	Solid	O1248-05	Percent Solids	Cool 4 deg C	CHEM02	N11	SVOC-GPC-BLANK	01/13/2023	Chemtech -SO
01/23/2023	Solid	O1248-06	Percent Solids	Cool 4 deg C	CHEM02	N11	PEST-GPC-BLANK	01/13/2023	Chemtech -SO
01/23/2023	Solid	O1248-07	Percent Solids	Cool 4 deg C	CHEM02	N11	PEST-GPC-BLANK-SPIKE	01/13/2023	Chemtech -SO
01/23/2023	Solid	O1248-08	Percent Solids	Cool 4 deg C	CHEM02	N11	PCB-GPC-BLANK	01/13/2023	Chemtech -SO
01/23/2023	Solid	O1248-09	Percent Solids	Cool 4 deg C	CHEM02	N11	PCB-GPC-BLANK-SPIKE	01/13/2023	Chemtech -SO
01/23/2023	Solid	O1248-10	Percent Solids	Cool 4 deg C	CHEM02	N11	SVOC-GPC2-BLANK	01/13/2023	Chemtech -SO
01/23/2023	Solid	O1248-11	Percent Solids	Cool 4 deg C	CHEM02	N11	PEST-GPC2-BLANK	01/13/2023	Chemtech -SO
01/23/2023	Solid	O1248-12	Percent Solids	Cool 4 deg C	CHEM02	N11	PEST-GPC2-BLANK-SPIKE	01/13/2023	Chemtech -SO

Date/Time 01.20.23 15:45

Raw Sample Received by: JP (WC)

Raw Sample Relinquished by: JD CSM

Date/Time 01.20.23 17:25

Raw Sample Received by: JD CSM

Raw Sample Relinquished by: JP (WC)

1P223747

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-012023 **WorkList ID :** 166715 **Department :** Wet-Chemistry **Date :** 01-20-2023 09:10:27

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
01/23/2023	Solid	O1248-13	Percent Solids	Cool 4 deg C	CHEM02	N11	PCB-GCP2-BLANK	01/13/2023	Chemtech -SO
01/23/2023	Solid	O1248-14	Percent Solids	Cool 4 deg C	CHEM02	N11	PCB-GCP2-BLANK-SPIKE	01/13/2023	Chemtech -SO
01/25/2023	Solid	O1251-01	Percent Solids	Cool 4 deg C	SOUN03	N11	COMP-1	01/20/2023	Chemtech -SO
01/25/2023	Solid	O1251-03	Percent Solids	Cool 4 deg C	SOUN03	N11	EPH-1	01/20/2023	Chemtech -SO
01/25/2023	Solid	O1251-05	Percent Solids	Cool 4 deg C	SOUN03	N11	TOT-VOC-1	01/20/2023	Chemtech -SO
01/25/2023	Solid	O1251-06	Percent Solids	Cool 4 deg C	SOUN03	N11	TOT-VOC-2	01/20/2023	Chemtech -SO
01/25/2023	Solid	O1251-07	Percent Solids	Cool 4 deg C	SOUN03	N11	COMP-2	01/20/2023	Chemtech -SO
01/25/2023	Solid	O1251-09	Percent Solids	Cool 4 deg C	SOUN03	N11	EPH-2	01/20/2023	Chemtech -SO
01/25/2023	Solid	O1251-11	Percent Solids	Cool 4 deg C	SOUN03	N11	TOT-VOC-3	01/20/2023	Chemtech -SO
01/25/2023	Solid	O1251-12	Percent Solids	Cool 4 deg C	SOUN03	N11	TOT-VOC-4	01/20/2023	Chemtech -SO
01/27/2023	Solid	O1252-01	Percent Solids	Cool 4 deg C	PSEG03	N11	MH-9	01/20/2023	Chemtech -SO
01/27/2023	Solid	O1252-02	Percent Solids	Cool 4 deg C	PSEG03	N11	MH-9-EPH	01/20/2023	Chemtech -SO
01/25/2023	Solid	O1253-01	Percent Solids	Cool 4 deg C	PSEG05	N13	SU-04-012023	01/20/2023	Chemtech -SO
01/25/2023	Solid	O1253-02	Percent Solids	Cool 4 deg C	PSEG05	N13	SU-04-012023-EPH-2	01/20/2023	Chemtech -SO
01/26/2023	Solid	O1254-01	Percent Solids	Cool 4 deg C	PSEG05	N11	HR-04-012023	01/20/2023	Chemtech -SO
01/26/2023	Solid	O1254-02	Percent Solids	Cool 4 deg C	PSEG05	N11	HR-04-012023-EPH-2	01/20/2023	Chemtech -SO
01/27/2023	Solid	O1255-01	Percent Solids	Cool 4 deg C	PSEG03	N11	BORING-1	01/20/2023	Chemtech -SO
01/27/2023	Solid	O1255-03	Percent Solids	Cool 4 deg C	PSEG03	N11	BORING-1-EPH-2	01/20/2023	Chemtech -SO
01/25/2023	Solid	O1256-01	Percent Solids	Cool 4 deg C	PSEG05	N11	OR-02-012023	01/20/2023	Chemtech -SO
01/25/2023	Solid	O1256-02	Percent Solids	Cool 4 deg C	PSEG05	N11	OR-02-012023-EPH-2	01/20/2023	Chemtech -SO
01/23/2023	Solid	O1258-01	Percent Solids	Cool 4 deg C	RMJE02	N11	WASTE-VOA-2	01/20/2023	Chemtech -SO

Date/Time 01.20.23 15:45
Raw Sample Received by: JP (WC)
Raw Sample Relinquished by: JD CSM

Date/Time 01.20.23 17:25
Raw Sample Received by: JD CSM
Raw Sample Relinquished by: JP (WC)

CHEMTECH

EXTRACTION LOGPAGE

PB150378

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	01/20/2023
Matrix :	Solid			**Extraction Start Time :**	12:30
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	01/20/2023
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	15:30
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6066
Surrogate	1.0ML	100/150 PPM	SP6088
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2293
Baked Na2SO4	N/A	EP2279
Sand	N/A	E2865
Methylene Chloride	N/A	E3459
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial lot# 2200532.

KD Bath ID:	N/A	**Envap ID:**	NE VAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/20/23	RP (Ext Lab)	CG Svcs Lab
15:35	**Preparation Group**	**Analysis Group**

CHEMTECH

EXTRACTION LOGPAGE

PrepBatch ID : PB150378

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 01/20/2023

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB150378BL	SBLK378	SVOC-PAH	30.01	N/A	ritesh	RUPESH	1			U1-1
PB150378BS	SLCS378	SVOC-PAH	30.02	N/A	ritesh	RUPESH	1			2
O1232-01	B-P-17A	SVOC-TCL BNA -20	30.07	N/A	ritesh	RUPESH	1			3
O1232-02	B-P-17B	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1			4
O1232-03	WC-17	SVOC-PAH	30.03	N/A	ritesh	RUPESH	1			5
O1232-04	B-P-18A	SVOC-TCL BNA -20	30.08	N/A	ritesh	RUPESH	1			6
O1232-05	B-P-18B	SVOC-TCL BNA -20	30.06	N/A	ritesh	RUPESH	1			U4-1
O1232-06	B-P-19A	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1			2
O1232-07	B-P-19B	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1			3
O1232-08	B-P-35A	SVOC-TCL BNA -20	30.08	N/A	ritesh	RUPESH	1			4
O1232-09	B-P-35B	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1			5
O1232-10	DUP01	SVOC-TCL BNA -20	30.09	N/A	ritesh	RUPESH	1			6
O1233-02	B-P34A	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1			U5-1
O1233-02MS	B-P34AMS	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1			2
O1233-02MSD	B-P34AMSD	SVOC-TCL BNA -20	30.07	N/A	ritesh	RUPESH	1			3
O1233-03	B-P34B	SVOC-TCL BNA -20	30.09	N/A	ritesh	RUPESH	1			4
O1233-04	B-P36A	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1			5
O1233-05	B-P36B	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1			6
O1233-06	B-P37A	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1			U6-1
O1233-07	B-P37B	SVOC-TCL BNA -20	30.08	N/A	ritesh	RUPESH	1			2
O1233-08	B-P38A	SVOC-TCL BNA -20	30.10	N/A	ritesh	RUPESH	1			3
O1233-09	B-P38B	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1			4
O1233-10	WC-38	SVOC-PAH	30.07	N/A	ritesh	RUPESH	1		Gasoline Smell	5
O1233-11	B-P38C	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1		Gasoline Smell	6

* **Extracts relinguished on the same date as received.**

1/20/23

WORKLIST(Hardcopy Internal Chain)

WorkList Name : O1232S **WorkList ID :** 166739 **Department :** Extraction **Date :** 01-20-2023 12:20:59

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
01/26/2023	Solid	O1232-01	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P-17A	01/18/2023	8270E
01/26/2023	Solid	O1232-02	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P-17B	01/18/2023	8270E
01/26/2023	Solid	O1232-03	SVOC-PAH	Cool 4 deg C	loui01	N11	WC-17	01/18/2023	8270E
01/26/2023	Solid	O1232-04	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P-18A	01/18/2023	8270E
01/26/2023	Solid	O1232-05	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P-18B	01/18/2023	8270E
01/26/2023	Solid	O1232-06	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P-19A	01/18/2023	8270E
01/26/2023	Solid	O1232-07	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P-19B	01/18/2023	8270E
01/26/2023	Solid	O1232-08	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P-35A	01/18/2023	8270E
01/26/2023	Solid	O1232-09	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P-35B	01/18/2023	8270E
01/26/2023	Solid	O1232-10	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	DUP01	01/18/2023	8270E
01/26/2023	Solid	O1233-02	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P34A	01/18/2023	8270E
01/26/2023	Solid	O1233-03	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P34B	01/18/2023	8270E
01/26/2023	Solid	O1233-04	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P36A	01/18/2023	8270E
01/26/2023	Solid	O1233-05	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P36B	01/18/2023	8270E
01/26/2023	Solid	O1233-06	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P37A	01/18/2023	8270E
01/26/2023	Solid	O1233-07	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P37B	01/18/2023	8270E
01/26/2023	Solid	O1233-08	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P38A	01/18/2023	8270E
01/26/2023	Solid	O1233-09	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P38B	01/18/2023	8270E
01/26/2023	Solid	O1233-10	SVOC-PAH	Cool 4 deg C	loui01	N11	WC-38	01/18/2023	8270E
01/26/2023	Solid	O1233-11	SVOC-TCL BNA -20	Cool 4 deg C	loui01	N11	B-P38C	01/18/2023	8270E

Date/Time 01/20/23 12:25
Raw Sample Received by: RJ (Cool Log)
Raw Sample Relinquished by: CP SM

Date/Time 01/20/23 12:55
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (Cool Log)

CHEMTECH

SHIPPING DOCUMENTS

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2022022
Maryland	296
New Hampshire	255422
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-23-16